

Strata[®] ***DK***

Digital Business Telephone Solutions

System Record Sheets

DK14

Software Release 3.1

DK40i

Software Release 4.1

DK424

**Software Release 4.1
and ACD**

Strata DK

General End User Information

The Strata DK Digital Business Telephone System is registered in accordance with the provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

FCC Requirements

Means of Connection: The Federal Communications Commission (FCC) has established rules which permit the Strata DK system to be connected directly to the telephone network. Connection points are provided by the telephone company—connections for this type of customer-provided equipment will not be provided on coin lines. Connections to party lines are subject to state tariffs.

Incidence of Harm: If the system is malfunctioning, it may also be disrupting the telephone network. The system should be disconnected until the problem can be determined and repaired. If this is not done, the telephone company may temporarily disconnect service. If possible, they will notify you in advance, but, if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Service or Repair: For service or repair, contact your local Toshiba telecommunications distributor. To obtain the nearest Toshiba telecommunications distributor in your area, call Toshiba America Information Systems, Inc., Telecommunication Systems Division in Irvine, CA (949) 583-3700.

Telephone Network Compatibility: The telephone company may make changes in its facilities, equipment, operations, and procedures. If such changes affect the compatibility or use of the Strata DK system, the telephone company will notify you in advance to give you an opportunity to maintain uninterrupted service.

Notification of Telephone Company: Before connecting a Strata DK system to the telephone network, the telephone company may request the following:

1. Your telephone number.
2. FCC registration number:
 - ♦ Strata DK may be configured as a Key or Hybrid telephone system. The appropriate configuration for your system is dependent upon your operation of the system.
 - ♦ If the operation of your system is only manual selection of outgoing lines, it may be registered as a Key telephone system.
 - ♦ If your operation requires automatic selection of outgoing lines, such as dial access, Least Cost Routing, Pooled Line Buttons, etc., the system must be registered as a Hybrid telephone system. In addition to the above, certain features (tie Lines, Off-premises Stations, etc.) may also require Hybrid telephone system registration in some areas.
 - ♦ If you are unsure of your type of operation and/or the appropriate FCC registration number, contact your local Toshiba telecommunications distributor for assistance.
DK14 and DK40i
Key system: **CJ6MLA-74479-KF-E**
Hybrid: **CJ6MLA-74478-MF-E**
DK424
Hybrid: **CJ69XA-10243-MF-E**
Key system: **CJ69XA-10242-KF-E**
PBX: **CJCHN-22757-PF-E**
3. Ringer equivalence number: 0.3B. The ringer equivalence number (REN) is useful to determine the quantity of devices which you may connect to your telephone line and still have all of those devices ring when your number is called. In most areas, but not all, the sum of the RENs of all devices connected to one line should not exceed five (5.0B). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to ascertain the maximum REN for your calling area.

4. Network connection information USOC jack required: RJ1CX, RJ2EX, RJ2GX, RJ48C, RJ48X, RJ11, RJ14C, RJ21X (see Network Requirements in this document). Items 2, 3 and 4 are also indicated on the equipment label.

Radio Frequency Interference

Warning: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the manufacturer's instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case, the user, at his/her own expense, will be required to take whatever measures may be required to correct the interference.

This system is listed with Underwriters Laboratory.

UL Requirement: If wiring from any telephone exits the building or is subject to lightning or other electrical surges, then secondary protection is required. Secondary protection is also required on DID, OPS, and tie lines. (Additional information is provided in this manual.)



Important Notice — Music-On-Hold

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CP01, Issue 8, Part I Section 14.1

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the Equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION! Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

CP01, Issue 8, Part I Section 14.2

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The terminal on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the Devices does not exceed 5.

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Introduction

These record sheets enable you to program the Strata DK14, DK40i, and DK424 digital business telephone systems. They are intended for qualified service technicians and system programmers. At the time of this printing, this book contains Release 4.1 information for the DK424. It also contains some pre-release information for software beyond Release 4.1.

Important! *Information beyond Release 4.1 is preliminary and given prior to product release. Be careful when using this information as the software will change and updates/additions will be required upon final release.*

Record sheets and detailed information about each program can be found in the *Strata DK Programming Manual*. The DK Installation and Maintenance Manual also contains useful information. Both of these books can also be found on the Strata DK Library CD-ROM.


Organization

This manual is organized as follows for your convenience:

- ♦ **Chapter 1 – Initialization & Test** includes information for initializing and test programs.
- ♦ **Chapter 2 – System & Station** includes programming information for the entire system and individual stations.
- ♦ **Chapter 3 – Toll Restriction** includes programming information for Toll Restriction.
- ♦ **Chapter 4 – Least Cost Routing** includes programming information for Least Cost Routing.
- ♦ **Chapter 5 – Automatic Call Distribution** includes ACD programming for DK424 (ACD does not apply to the RCTUA processor).
- ♦ **Chapter 6 – ISDN** includes programming instructions and record sheets for Integrated Systems Digital Networking features for the DK424 and DK40i.
- ♦ **Chapter 7 – E911** includes programming information for connecting the DK424 to Enhanced 911 CAMA trunks.

The programs in each chapter are given in numerical order (except Initialization and Test which is given in order of importance). The “*” programs are located behind the program of the same name (e.g., Program *09 follows Program 09).

Conventions

Conventions	Description
Note	Elaborates specific items or references other information. Within some tables, general notes apply to the entire table and numbered notes apply to specific items.
Important!	Calls attention to important instructions or information.
CAUTION!	Advises you that hardware, software applications, or data could be damaged if the instructions are not followed closely.
WARNING!	Alerts you when the given task could cause personal injury or death.
[DN]	Represents any Directory Number button, also known as an extension or intercom number.
[PDN]	Represents any Primary Directory Number button (the extension number for the telephone).
[SDN]	Represents any Secondary appearance of a PDN. A PDN which appears on another telephone is considered an SDN.
[PhDN]	Represents any Phantom Directory Number button (an additional DN).
Arial Bold	Represents telephone buttons.
Courier	Shows a computer keyboard entry or screen display.
“Type”	Indicates entry of a string of text.
“Press”	Indicates entry of a single key. For example: Type prog then press Enter .
Plus (+)	Shows a multiple PC keyboard or phone button entry. Entries without spaces between them show a simultaneous entry. Example: Esc + Enter . Entries with spaces between them show a sequential entry. Example: # + 5 .
Tilde (~)	Means “through.” Example: 350 ~ 640 Hz frequency range.
➤	Denotes the step in a one-step procedure.
➤	Denotes a procedure.
	Used in a programming sequence to denote a variable LED button. A number on the black button represents a specific LED button.
• • •	Indicates continuation of a series of numbers entered.
See Figure 10	Grey words within the printed text denote cross-references. In the electronic version of this document (Library CD-ROM or FYI Internet download), cross-references appear in blue hypertext.

Related Documents/Media

Note Some documents listed here may appear in different versions on the CD-ROM, FYI or in print. To find the most current version, check the version/date in the Publication Information on the back of the document's title page.

The following documents and CD-ROMS can be used to reference further information about the Strata DK systems.

- ♦ **Digital Telephone User Guide** provides all the procedures necessary to operate Toshiba-proprietary digital telephones, including Liquid Crystal Display (LCD) features. It also includes instructions for using the add-on module/DSS console.
- ♦ **Digital Telephone Quick Reference Guide** provides a quick reference for frequently-used digital telephone features.
- ♦ **Digital Single Line Telephone User Guide** provides all the procedures necessary to operate Toshiba-proprietary digital single line telephones.
- ♦ **Electronic Telephone User Guide** explains all the procedures necessary to operate Toshiba-proprietary electronic telephones, including all LCD features. Does not apply to the Strata DK14 system. It also includes instructions for using the electronic DSS console.
- ♦ **Electronic Telephone Quick Reference Guide** provides a quick reference for frequently-used electronic telephone features. Does not apply to the Strata DK14 system.
- ♦ **Standard Telephone User Guide** explains all the procedures necessary to operate rotary dial and push-button standard telephones.
- ♦ **Strata AirLink External Wireless Handset User Guide** shows how to use the wireless handset configured to standard ports of the Strata DK telephone system and many non-Toshiba systems.
- ♦ **Strata AirLink External Wireless Quick Reference Guide** contains instructions for operation of commonly used Strata AirLink External Wireless Handset features.
- ♦ **Strata AirLink Integrated Wireless Handset User Guide** shows how to use the wireless handset configured to digital ports of the Strata DK telephone system.
- ♦ **Strata AirLink Integrated Wireless Quick Reference Guide** contains instructions for operation of commonly used Strata AirLink Integrated Wireless Handset features.
- ♦ **System Administrator Guide** gives instructions for the System Administrator to manage the system. Contains instructions for Station Relocation, System Speed Dial, and other features only activated by the System Administrator.
- ♦ **PC/Data Interface User Guide** explains all the procedures necessary to operate stand-alone data interface units while in the data mode for printer sharing and modem pooling. Also provides instructions on connecting to a Personal Computer with Telephone Application Programming Interface (TAPI).
- ♦ **Cordless Telephone User Guide** provides instructions on using the DKT2004-CT cordless digital telephone as a single unit or in conjunction with a digital telephone.
- ♦ **PC-DKT User Guide** provides installation and operation information for the Personal Computer Digital Key Telephone system.
- ♦ **Strata DK Feature Description Manual** describes each feature associated with the Strata DK424, DK40i and DK14. Also provides descriptions of compatible Toshiba-proprietary telephones and peripherals.

- ♦ **Keyprint 2000 User Guide** provides instructions for the Keyprint 2000 software printing package which allows you to print and store custom button label keystrips for Strata DK 2000-series 10-button or 20-button digital telephones, 20-button add-on modules, and 60-button digital DSS consoles.
- ♦ **Strata DK Programming Manual** provides all instructions necessary to program the system and system record sheets, including ACD.
- ♦ **Strata DK Installation & Maintenance Manual** provides installation instructions for configuring and installing the Strata DK14, DK40i and DK424. It also includes T1/DS-1 interface installation and configuration instructions, as well as fault finding flowcharts to troubleshoot the systems. An ACD Section provides instructions for installing ACD into the Strata DK424.
- ♦ **Strata AirLink External Wireless System Installation Guide** provides step-by-step hardware and software installation instructions. It includes examples of system configurations, information on performing a site survey, and troubleshooting techniques.
- ♦ **Hospitality Management Information System (HMIS) General Description** provides an overall view of the system's hardware, software, applications and features. The HMIS is a PC-based solution, designed to meet the specific operational needs of small- to medium-sized hotel/motels and includes both the PC and software.
- ♦ **Hospitality Management Information System (HMIS) User Guide** describes the product's many software features and gives step-by-step instructions for using them.
- ♦ **Strata DK Library CD-ROM** enables you to view, print, navigate and search publications for Strata DK14, DK40 and DK424 digital business telephone systems. It also includes Strata DK424 ACD Documentation, including the *DK424 Call Center Solutions General Description*, *ACD Agent Guide*, *ACD Supervisor's Guide*. ACD Installation and Programming instructions are included in the *Strata DK Installation and Maintenance Manual* and *Programming Manual*.
- ♦ **Strata DK HMIS CD-ROM** contains a copy of all HMIS documentation/bulletins and enables you to view, print, navigate and search publications.
- ♦ **StrataControl CD-ROM** contains the StrataControl software, that enables viewing, downloading, editing, and uploading Strata DK programmed data on a PC. This software also provides a method of creating custom lists and user guides based on information from the Strata DK system. The CD-ROM contains the *StrataControl User Guide*.
- ♦ **DKQuote CD-ROM** contains the DKQuote application and the DKQuote User Guide, that shows how to use this interactive software to assist you with Strata DK Systems configuration and pricing worksheets.
- ♦ **DKAdmin/DKBackup CD-ROM** includes the programs that let you easily and quickly custom program and/or update the Strata DK14/DK40/DK424 with a user-friendly PC display. The CD-ROM also contains the *DKAdmin/DKBackup User Guide*, that explains how to use the DKAdmin/DKBackup interactive software applications. The current version does not work with DK40i.

The following documentation and media applies to the Strata DK424 system only.

- ♦ **Strata DK424 Call Center Solutions General Description** provides a system overview, including hardware and feature information. Highlights the technology employed in operating the ACD Strata DK424 system.
- ♦ **ACD Agent Guide** describes the ACD agent feature operation along with step-by-step procedures for using features.
- ♦ **ACD Supervisor Guide** provides instruction on how to use the ACD supervisor features.

- ♦ **Insight DK CD-ROM** which includes training, all Insight DK documentation, Insight DK software and the upgrade to Insight DK Plus, and Demo software.
- ♦ **Insight DK Installation Guide** explains how to set up the network, install the server software, install clients and explains how the data files are organized.
- ♦ **Insight DK Supervisor Guide** provides instructions for using the Strata DK Insight and Insight DK Plus MIS for the Supervisor of a call center. Instructions for creating and using Real Time Displays, Reports, Alarms, and Wallboards are also included.
- ♦ **Insight DK inView Quick Reference Guide** provides instructions for viewing and customizing the on-screen wallboard and large character views of the real time call center data.
- ♦ **PC Attendant Console User Guide** explains the procedures necessary to operate the PC Attendant Console.
- ♦ **PC Attendant Console Quick Reference Guide** provides a quick reference for frequently-used PC Attendant Console features.
- ♦ **Call Center Viewer User Guide** describes how to install and operate the Call Center Viewer application on a PC. It explains how to view and customize ACD group and agent status information.
- ♦ **Software MIS (SMIS) Supervisor Manual** provides descriptions, examples, and instructions on using the Software MIS application.

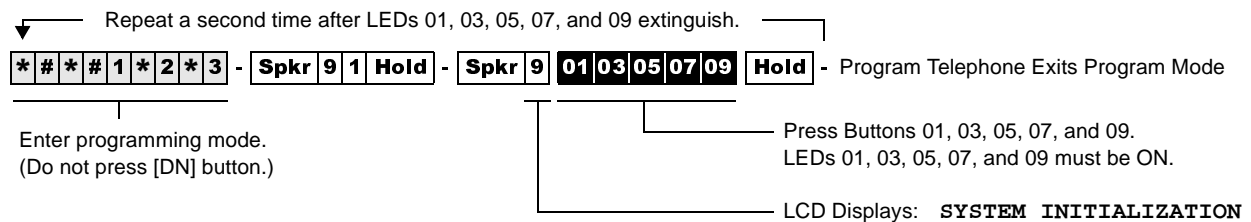
For authorized users, Internet site FYI (<http://fyi.tsd.toshiba.com>) contains all current Strata DK documentation and enables you to view, print, and download current publications.

Program 91-9 – System Initialization

Processor Type: DK14, DK40i, All RCTUs

Program Type: Initialization

Initialized Default: See individual programs

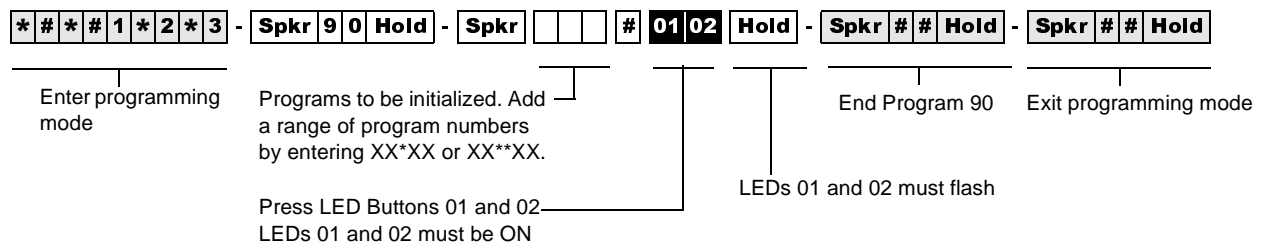


Program 90 – Initialize Programs 00~*99

Processor Type: DK14, DK40i, All RCTUs

Program Type: Initialization

Initialized Default: See individual programs

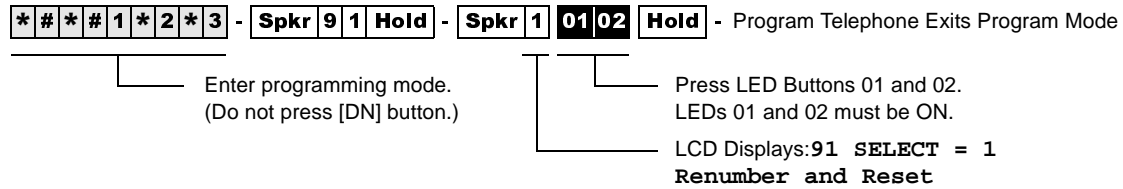


Program 91-1 – Automatic PCB Recognition and Port Renumber

Processor Type: DK14, DK40i, All RCTUs

Program Type: Initialization

Initialized Default: None

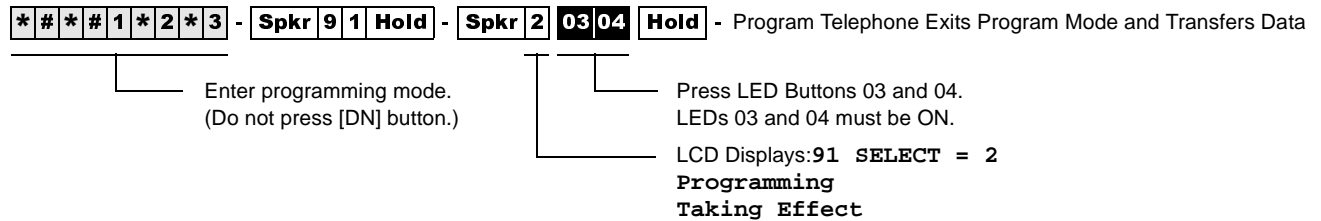


Program 91-2 – Data Transfer from Temporary Memory to Working Memory

Processor Type: DK14, DK40i, All RCTUs

Program Type: Initialization

Initialized Default: See individual programs

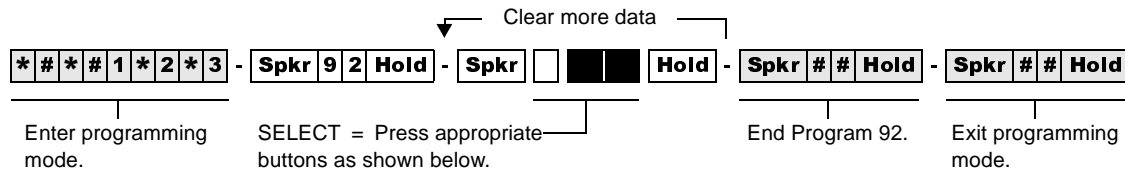


Program 92 – Initializing Misc. Backup RAM

Processor Type: DK14, DK40i, All RCTUs

Program Type: Initialization - Includes: Initializing Speed Dial Number, VM ID Codes, Character Message Memory, Timed Reminders, Digital Telephone Volume, Called ID, ANI, and Call Forward Backup RAM

Initialized Default: See individual programs



- 1** **01 03** Clears Station Speed Dial, Voice Mail ID Codes, and LCD memos assigned to Station Speed Dial numbers.
- 2** **01 04** Clears System Speed Dial and LCD memos assigned to System Speed Dial numbers.
- 3** **02 03** Clears Character Message Memory (Station and System) and User Name/Number Display.
- 4** **02 04** Clears Timed Reminders.
- 5** **01 05** Resets digital telephone volume levels to initialized settings, specifically, speaker volume levels for Internal Calls [DN], Tone/BGM, Busy Override (muted ring), and Ring volume to approximately mid-range on all DKTs. Program 92-5 does not affect digital telephone handset receiver volume levels. Use Program 27 to set off-hook digital telephone handset receiver volume levels.

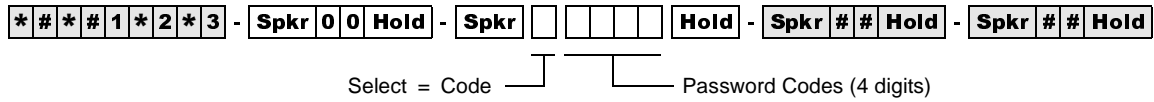
- 9** **03 04** **Hold** Power OFF 5 seconds; then Power ON Clears Call Forward and Message Waiting Memory (all stations). Program 92-9 does not affect Call Forward External or Fixed Call Forward settings.

Program 00 – Part 1: Software Check

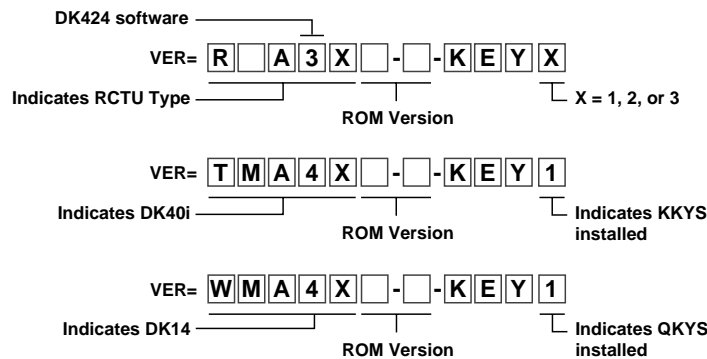
Processor Type: DK14, DK40i, All RCTUs

Program Type: Test - Includes: Remote Maintenance Security Code Assignments

Initialized Default: None



Select = Code	Item	Password or S/W Check Codes	LCD Display
0	ROM Version (not programmable)		Version =
1	1st Level Password		Password =
2	2nd Level Password		Password =
8	Software RAM Checksum (not programmable)		Sum =
9	Power Cycle Counter (not programmable)		Counter =



1830

DKT LCD Display	RCTU Type
WMA4	DK14
TMA4	DK40i
RAA3X	RCTUA3
RBA3X	RCTUBA3/RCTUBB3
RCA3X	RCTUC3/D3
REA3X	RCTU E3/F3

Key Type	Description
KEY 1	AA: Indicates built-in Auto Attendant software (RKYS1, KKYS, or QKYS installed).
KEY 2	ACD: Indicates Automatic Call Distribution software and AA (RKYS2 installed).
KEY 3	ACD/MIS: Indicates Automatic Call Distribution, Management Information System Software, plus AA and ACD (RKYS3 installed).

Program 00 – Part 2: Processor RAM Test

Processor Type: DK14, DK40i, All RCTUs

Program Type: Test - Includes: Remote Maintenance Security Code Assignments

Initialized Default: None

General RAM Test

##1*2*3 - Spkr 0 0 Hold - Spkr 5 1 01 03 Hold - Tests RAM (15 seconds downtime)

Programming Telephone LCD Displays: _____
 GENERAL RAM TEST

Display General RAM Test Results

##1*2*3 - Spkr 0 0 Hold - Spkr 5 2 - Programming Telephone LCD Displays:

DK424

TEST 1 X=OK Y=OK

or...

TEST 1 X=NG Y=NG
 X=00000 X=00000

DK14/DK40i

TEST 1 =OK

or...

TEST 1 =NG

Where:

X = RCTUA, RCTUBA, RCTUC

Y = RCTUD3, RCTUF

OK = RAM is good

NG = RAM is defective

An X=NG or Y=NG RAM test result indicates a defective RCTU PCB; change the appropriate (X or Y) RCTU PCB and retest RAM on the newly installed RCTU.

Replace the DK14 KSU or DK40i Base KSU if Test 1=NG.

Backup RAM Test

##1*2*3 - Spkr 0 0 Hold - Spkr 6 1 - 02 04 - Hold - RCTU Tests RAM (15 seconds downtime)

Programming Telephone LCD Displays: _____
 BACKUP RAM TEST

Initialization & Test

Program 00 – Part 2: Processor RAM Test

Display Backup RAM Test Results

##1*2*3 - Spkr 00 Hold - Spkr 62 - Programming Telephone LCD Displays:

DK424

TEST 2 X=OK Y=OK

or...

TEST 2 X=NG Y=NG
X=00000 X=00000

DK14/DK40i

TEST 1 =OK

or...

TEST 2 =NG

Where:

X = RCTUA, RCTUBA, RCTUC

Y = RCTUD3, RCTUF

OK = RAM is good

NG = RAM is defective

An **X=NG** or **Y=NG** RAM test result indicates a defective RCTU PCB; change the appropriate (X or Y) RCTU PCB and retest RAM on the newly installed RCTU.

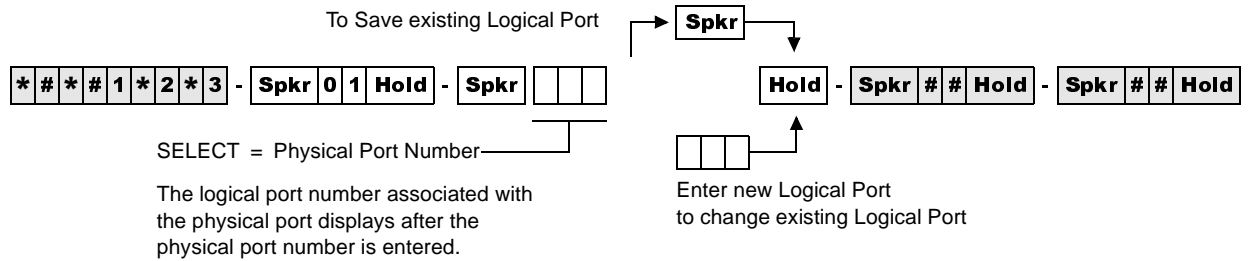
Replace the DK14 or DK40i Base KSU if **Test 1=NG**.

Program 01 – Station Logical Port Display and/or Change

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Logical port number = physical port number
 Program 90, 91-1, or 91-9 initializes Program 01



Processor	[PDN] Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

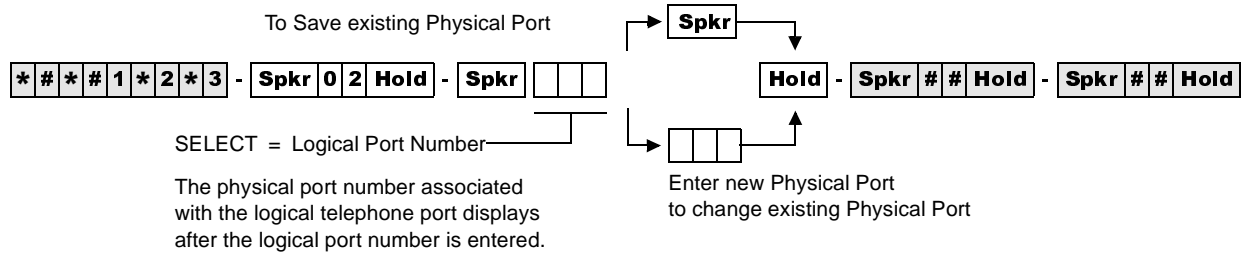
Processor	[PDN] Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Program 02 – Station Physical Port Display and/or Change

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Logical port number = physical port number
Program 90, 91-1, or 91-9 initializes Program 02



Processor	[PDN] Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	[PDN] Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Program 03 for DK14 – Slot Assignments

When DK14 is powered ON, Program 03 automatically assigns the correct codes for installed PCBs. No record sheet is needed. Refer to the following table for PCB slot and slot code information:

DK14 Base KSU

	WMAU	DKU	COU and QCDU2	QSTU2	None
Slot Number	00	11	12	13	14
PCB Code	91 or 92	62	11	00 or 31	00
PCB Type	QRCU3				
Options		OCA/DIU			
Station Numbers		000-007		008-009	
CO Line Numbers			001-004		

Notes

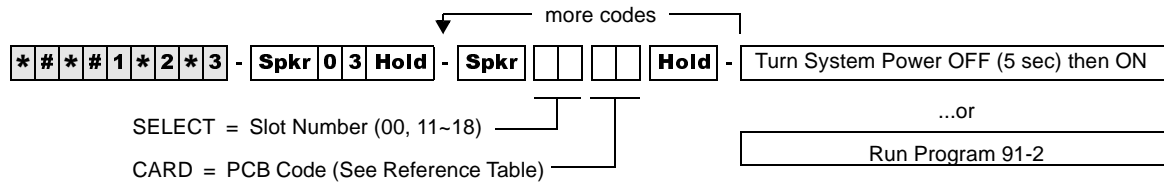
- In the DK14 software: QCDU2 digital ports are considered to be installed in slot 11. QCDU2 CO lines are considered to be installed in slot 12.
- opt=QRCU3
- opt=Always assigns 8 ports (000~007), digital ports (OCA/DIU). No DSS allowed.
- Always assigns 4 CO lines
- Always assigns 2 ports (008, 009) standard telephone ports

Program 03 for DK40i – Flexible PCB Slot Assignments

Processor Type: *DK40i*

Program Type: *System*

Initialized Default: *PCB codes of PCBs installed prior to running Program 91-1 or Program 91-9 Code 00 for empty slots (15-18), Base KSU has codes for PCBs*



DK40i Base KSU

	TMAU2	DKU	TBSU, TCOU or TDDU	KSTU2	TCIU2
Slot Number	00	11	12	13	14
PCB Code	91, 92 or 98	62 or 64	00, 11, 16, or 77	00 or 31	00 or 81
PCB Type					
Options					
Station/BRI Port Numbers					
CO/DID/BRI Line Numbers					

PCB Code Reference Table

PCB Fixed Slot	Code	Ports/Type
Common Control	91	None
Common Control w/K4RCU3	92	4 DTMF/ABR
Common Control w/K5RCU or K5RCU2	98	5 DTMF/ABR
PIOU/PIOUS/RSSU/PEPU	41	None
PEKU	21	8 EKT
PEKU with EOCU	22	8 EKT
PEKU with DSS	23	8 EKT
PEKU with EOCU, DSS	24	8 EKT
PESU	25	2 SLT/4 EKT
PESU with EOCU	26	
KSTU2/RSTU2/Stratagy DK	31	4 SLT/8 SLT/8VM
TCOU/PCOU/RCOU/RGLU2	11	4/CO
RCOU + RCOS	17	8 Loop CO
Base Unit DKT CKTs, PDKU, and RWIU	61	8 DKT
Base Unit DKT CKTs & PDKU w/ DIU or SP-OCA	62	8 DKT
Base Unit DKT CKTs and PDKU with DSS (w/ or w/o DIU or SP-OCA)	64	8 DKT
KCDU	65	2/CO, 4 DKT
KCDU SP-OCA or DIU	66	2/CO, 4 DKT
RDSU (RSTS)	27	4 DKT/4 SLT
RDSU (RSTS) with DIU or SP-OCA	28	4 DKT/4 SLT
RDDU/TDDU	16	4 DID Lines
REMU	13	4 Tie Lines
RCIU2/RCIS/TCIU2	81	4 or 8 Caller ID
TBSU or RBSU	77	2 BRI S/T
RBSU/RBSS	78	4 BRI S/T
TSIU		No Code Required
None	00	None

DK40i Expansion KSU

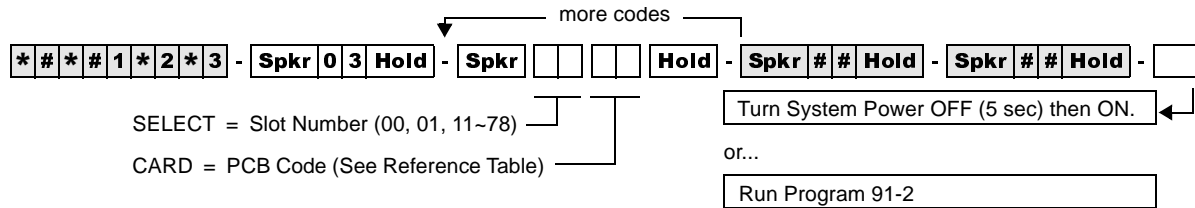
Cabinet Label	04	05	06	07
Slot Number	15	16	17	18
PCB Code				
PCB Type				
Options				
Station/BRI Port Numbers				
CO/Tie/DID/BRI Line Numbers				

Program 03 for DK424 – Flexible PCB Cabinet Slot Assignments

Processor Type: All RCTUs

Program Type: System

Initialized Default: PCB codes of PCBs installed prior to running Programs 91-1 or 91-9;
Code 00 for empty slots



DK424 Base Cabinet 1

Slot Number	00 (R11)	01 (RCTU)	S11	S12	S13	S14	S15	S16
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 2

Slot Number	S21	S22	S23	S24	S25	S26	S27	S28
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 3

Slot Number	S31	S32	S33	S34	S35	S36	S37	S38
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 4

Slot Number	S41	S42	S43	S44	S45	S46	S47	S48
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 5

Slot Number	S51	S52	S53	S54	S55	S56	S57	S58
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 6

Slot Number	S61	S62	S63	S64	S65	S66	S67	S68
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 Expansion Cabinet 7

Slot Number	S71	S72	S73	S74	S75	S76	S77	S78
PCB Code								
PCB Type								
Options								
Station/Tie/DID/ISDN Port Numbers								
CO/Tie/DID/ISDN Line Numbers								

DK424 PCB Codes

PCB	Code	Ports/Type
RCOU, RGLU2	11	4 Gnd./Loop Lines
RCOU/RCOS	17	8 Loop CO Lines
RDDU	16	4 DID Lines/4 Stations
REMU	13	4 Tie Lines/4 Stations
PEKU	21	8 Stations
PEKU (EOCU)	22	8 Stations
PEKU w/DSS	23	8 Stations
PEKU (DSS, EOCU)	24	8 Stations
PESU	25	6 Stations
PESU (OCA)	26	6 Stations
RDSU/RSTS	27	8 Stations
RDSU/RSTS (OCA, DIU)	28	8 Stations
RSTU2	31	8 Stations
PIOU, PIOUS/ RSSU, PEPU	41	Remote Maintenance (TTY)
PIOU/PIOUS/RSSU	42	MIS for ACD (TTY)
PIOU/PIOUS/RSSU	43	SMDI VM Interface (TTY)
PDKU2, RWIU	61	8 Stations
PDKU2 (OCA, DIU)	62	8 Stations
PDKU2 (DSS, OCA, DIU)	64	8 Stations

PCB	Code	Ports/Type
RDTU	71	8 T1 Channels
RDTU	72	16 T1 Channels
RDTU	73	24 T1-channels
RCTU	91	None
RCTU (with 4-CKT RRCS)	92	None
RCTU (with 8-CKT RRCS)	93	None
RCTU (with 12-CKT RRCS)	94	None
NONE	00	00
RATU	51	4 Stations
RSIU	49	I/O Interface
RCIU2/RCIS	81	8 CKT, Caller ID
Stratagy DK	31	8 VM Ports
RBUU without RBUS	75	2 U Interfaces (4 stations/4 CO lines)
RBUU with RBUS	76	4 U Interfaces (8 stations/8 CO lines)
RBSU without RBSS	77	2 S/T Interfaces (4 stations/4 CO lines)
RBSU with RBSS	78	4 S/T Interfaces (8 stations/8 CO lines)
RPTU Interface Card	79	PRI Interface (24 CO lines)

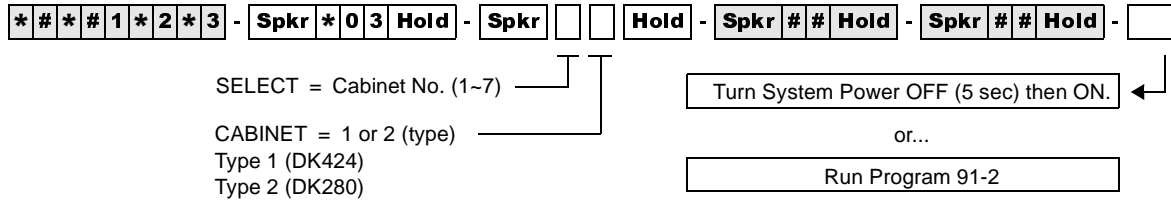
See the following text for specific installation rules on the above PCBs.

Program *03 for DK424 – Cabinet Type Identification

Processor Type: RCTUE/F only

Program Type: System

Initialized Default: All cabinets = 1



SELECT = (Cabinet No. 1~7)	Cabinet Type (1 or 2)
1 (Base)	
2 (1st Expansion)	
3 (2nd Expansion)	
4 (3rd Expansion)	
5 (4th Expansion)	
6 (5th Expansion)	
7 (6th Expansion)	1 only

Expansion Cabinet Universal PCB Slot Availability

Case 1

RCTUE/F in DK424 Base Cabinet with MBJU removed

Expansion Cabinet (max 6)	Universal PCB Slots
DK424	1~8 available
DK280	1~6 available

Case 2

RCTUE/F in DK280 Base Cabinet

Expansion Cabinet (max 5)	Universal PCB Slots
DK424	1~6 available
DK280	1~6 available

Program 04 – Station Logical Port [PDN] Assignment

Processor Type: *DK14, DK40i, All RCTUs*
Program Type: *Station*
Initialized Default: *See [PDNs] in the record sheets*

DK14 Record Sheet

* # * # 1 * 2 * 3 - Spkr 0 4 Hold - Spkr # Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number(s) [PDN] (1~4 digits)
 (see table below)

Physical Ports	Modular Jack Location Record	Logical Ports	[PDNs] (Initialized)	Port Type for Different Base Configurations			
				KSU	1st QCDU2	2nd QCDU2	QSTU2
000		000	(10)	4 - Digital Telephone Ports			
001		001	(11)				
002 ¹		002 ¹	(12)				
003 ¹		003 ¹	(13)				
004		004	(14)		2 - Digital Telephone Ports		
005		005	(15)				
006		006	(16)			2 - Digital Telephone Ports	
007		007	(17)				
008		008	(18)				2 - Standard Telephone Ports
009 ²		009 ²	(19)				

1. Supports a Digital Telephone or a DDCB Door Phone Control Box.
2. Supports Alternate Background Music (BGM).

System & Station

DK40i Record Sheet

*	#	*	#	1	*	2	*	3	-	Spkr	0	4	Hold	-	Spkr				#						Hold	-	Spkr	#	#	Hold	-	Spkr	#	#	Hold
---	---	---	---	---	---	---	---	---	---	------	---	---	------	---	------	--	--	--	---	--	--	--	--	--	------	---	------	---	---	------	---	------	---	---	------

SELECT = Station Logical Port Number(s) _____ [PDN] (1~4 digits)
 (see table below)

Logical Ports (Initialized)
--

Important! Refer to Chapter 2 – DK40i Configuration before installing PCBs in slots 15~18.

Expansion Slot Configuration Record: Slot 15 _____ Slot 16 _____ Slot 17 _____ Slot 18 _____

Physical Ports	Modular Jack Location Record	Logical Ports	[PDNs] (Initialized)	Port Type for Different Base Configurations						
				TCOU or TDDU	TCOU, TBSU or TDDU+KSTU2	TBSU	TBSU+KSTU2			
000		000	(10)	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11 8 - Digital Telephone Ports	Base Slot 11			
001		001	(11)							
002		002	(12)							
003		003	(13)							
004		004	(14)							
005		005	(15)							
006		006	(16)							
007		007	(17)							
008		008	(18)	Expansion Slots 15~18	Base Slot 13 4 KSTU2 Ports	Base Slot 12*	Base Slot 12*			
009		009	(19)			TBSU CKT 1 2 Ports	TBSU CKT 1 2 Ports			
010		010	(20)		Expansion Slots 15~18	Expansion Slots 15~18	Base Slot 12* TBSU CKT 2 2 Ports	Base Slot 12* TBSU CKT 2 2 Ports		
011		011	(21)				Expansion Slots 15~18	Expansion Slots 15~18	Expansion Slots 15~18	Expansion Slots 15~18
012		012	(22)							
013		013	(23)							
014		014	(24)							
015		015	(25)							
016		016	(26)							
017		017	(27)							
018		018	(28)							
019		019	(29)							
020		020	(30)							
021		021	(31)							
022		022	(32)							
023		023	(33)							
024		024	(34)							
025		025	(35)							
026		026	(36)							
027		027	(37)							

Note Expansion slots 15~18: See DK40i Configuration tables in Chapter 2 of the Strata DK Installation and Maintenance Manual.
 *If TBSU circuits that are set as station-side in Program *60, use two station ports per circuit. TBSU circuits that are set to line-side do not use station ports.

DK424 Record Sheet

* # * # 1 * 2 * 3 - Spkr 0 4 Hold - Spkr [] [] [] # [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number(s) Press [PDN] or Button LED 01 to erase (1~4 digits)

Processor	[PDN] Port Range	Initialized [PDNs]	DISA Port	Reserved for Special Functions
RCTUA	000~031	200~231	039	032~039
RCTUBA/BB	000~079	200~279	089	080~089
RCTUC/D	000~239	200~239	249	240~249
RCTUE/F	000~335	100~435	344	336~349

Physical Ports	Modular Jack Location Record	Logical Ports	[PDN]	Cabinet and Slot Number	Physical Ports	Modular Jack Location Record	Logical Ports	[PDN]	Cabinet and Slot Number
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____
				Cabinet: _____ Slot: _____					Cabinet: _____ Slot: _____

System & Station

Program *04 – [PhDN] and Distributed Hunt [DN] Assignments For Internal and Tie Line Calls

Processor Type: DK14, DK40i, all RCTUs

Program Type: Station

Initialized Default: See the legend below



SELECT = [PhDN] or DH [DN] Port Number
(see table below)

To erase existing [PDNs], enter XXX *XXX
(low port * high port). Adding a new range of
[PDNs] cannot be done in this manner.

[PhDN] or DH [DN] assigned to port number
(1-4 digits, see table below)

Press LED Button 01 to erase [PhDNs] and
DH[DNs].

Processor	[PhDN] Port Range	Initialized [PhDN]	DH [DN] Port Range	Initialized DH [DN]
DK14	500-509	50-59	900-915	850-865
DK40i	500-527	50-77	900-915	850-865
RCTUA	500-531	500-531	900-915	850-865
RCTUBA/BB	500-579	500-579	900-915	850-865
RCTUC/D	500-739	500-739	900-915	850-865
RCTUE/F	500-835	450-785	900-915	850-865

[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)	[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)	[PhDN] or DH [DN] Port XXX	Initialized [PhDN] or DH [DN] (YYYY)

Program 05 – Flexible Access Code Numbering

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: See record sheet

* # * # 1 * 2 * 3 - Spkr 0 5 Hold - Spkr [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Access Code (1-9)
See the table below for standard access codes.

SPECIAL DIAL = New Access Codes

The first digit of access codes can be replaced by 2 digits.

Press LED Button 01 to enter blanks.

Default Access Code	Features Affected (N/A = Not Affected/ Cannot Change)	New Access Codes
0	Unused	
1	Voice First/Tone First (Dial 1-N/A) Door Phones: (#151-#159; #161-#163) IMDU or RMDS Access: DK424 and DK40i (#19) Default [PDNs] and Park Orbits (see Program 04)	Station LCD Messages (10-19-N/A) Station Speed Dial (100-139-N/A) RCTUE/F Station Speed Dial Set (10-49-N/A) RCTUA, BA/BB, C/D
2	Default [PDNs] and Park Orbits (see Program 04) Busy Override (Dial 2-N/A) Do Not Disturb Override (Dial 2-N/A)	ACD Ports (*04, *09, 71) Off-hook Call Announce (2-N/A) RCTUE/F System Speed Dial (200-999)
3	Default [PDNs] and Park Orbits (see Program 04) Executive Override (Dial 3-N/A) All Call Voice Page (#30) All Call Voice Page with External Spkrs (#39) RCTUE/F Ext Page Zones #351-#358	RCTUA-C/D External Page Zones 1-4 (#35-#38) Group Page (Internal) (#311-#318) Park + Page (Cnf+#331) Park Pick Up [DN]+#331 (see Program *05) Park + Hold (Cnf+#332)
4	Default [PDNs] and Park Orbits (see Program 04) Default [PhDNs] (see Program *04) Automatic Callback (Dial 4-N/A) CO Line Queuing (Dial 4-N/A) Station Number Display (#401) Port Number Display (#402) Hold (#41) Hold Pickup (#42) Automatic Busy Redial (Conf + #44) Automatic Busy Redial Cancel (Int + #44) Message Waiting Answer (#408) from INT, [PDN], or [PhDN] Display [PDN], [SDN], or [PhDN] on LCD (#407) Emergency Call to Attendant Console (#400) Standard telephone Redial (44) or dial # for feature access code Flash (Cnf + #45) Account Code Input (Cnf + #46)	T.R. Override/T. Class Code Input (Cnf + #47) BGM Over Stations ON (#481) BGM Over Stations OFF (#480) BGM Over External Speakers ON (#491)(Station Port 000 only) BGM Over External Speakers OFF (#490)(Station Port 000 only) Cancel Message Waiting at Station (#409) from [PDN] or [PhDN] Retrieve Message Waiting (#408) Access Code/Speed Dial Prefix (44 or #) To store a CO line or feature access code in Speed Dial memory from rotary phones or phones without the Speed Dial and Redial buttons, enter 44 + 7XXX instead of # + 7XXX. Start Trace #489 (Station Port 000 only) Stop Trace #488 (Station Port 000 only) Cancel Auto Call Back (#43)

System & Station

System & Station

Program 05 – Flexible Access Code Numbering

Default Access Code	Features Affected (N/A = Not Affected/ Cannot Change)	New Access Codes
5	<p>Call Pickup Station (#5+Station No.), Ringing CO or DID line (#59)</p> <p>Directed Pickup of CO Line on Hold (#5+#7 XXX, XXX = 001~200),</p> <p>Pick-up External Page (#5 + #30 or for Zone Page #5+#35~#38)</p> <p>#5#79 Pick up Tandem Connection (Release 3.2 and above)</p>	<p>Selected Group Pickup (#5+#320~#339)</p> <p>Own Group(s) Pickup (#5+#34)</p> <p>Pickup Ringing Line (#59)</p> <p>[DN] Pickup #5#2+XXX (XXX=[PDN] or [PhDN], DK Release 3.1 and above)</p> <p>Verified Account Codes (DK14, DK40i, RCTUA~C/D: Speed Dial + 50; RCTUE/F Speed Dial + 050)</p>
6	<p>Call Forward (#601, #602, #603, #604)</p> <p>Timed Reminder (#605~#609)</p> <p>M/W for Voice Mail ON (#63+Station No.)</p> <p>M/W for Voice Mail OFF (#64+Station No.)</p> <p>Voice Mail ID Code Set (Call Fwd, #656)</p> <p>Voice Mail ID Code Set (Ans. MW, #657)</p> <p>LCD Message Set (#68)</p> <p>DKT Mute Ring Adjust (#6101)</p> <p>DKT Ring Level Adjust (#6102)</p> <p>Port Swap/Station Relocation OFF (#6281)</p> <p>Station Relocation ON (#6282)</p> <p>Logical Port Swap ON (#6283)</p> <p>Call Forward Ext Set or Remote Change Code (#670)</p> <p>Date Set (#651)</p> <p>Time Set (#652)</p> <p>Weekday Set (#653)</p>	<p>T.R. Override Code Change (#654, #655)</p> <p>System Speed Dial</p> <p>(N/A 600~699 RCTUB, RCTUBA/BB, & RCTUC/D)</p> <p>System Speed Dial Set (N/A 60~99 - DK14, DK40i and RCTUA)</p> <p>LCD User Name (#621-Set, #620-Reset, TR dial plan Set #650 +6267 +7/8/9 Change)</p> <p>DISA Security Code Change (#658)</p> <p>Verified Account Code Change (#659)</p> <p>Set LCD Messages (#68)</p> <p>System LCD Messages (N/A 60-99)</p> <p>Traveling Class Code 1~8 Change (#691~#698)</p> <p>Logical Port Swap (#627 + Destination Intercom No.)</p> <p>Physical Port Calling (#629 + Physical Port No.)</p> <p>Message Waiting Set/Cancel (N/A) (7) (77)</p> <p>Night Lock Password Change (#622)</p>
7	<p>CO Line Outgoing Calls (#7001~#7200)</p> <p>To store a CO line or feature access code in Speed Dial memory from rotary telephones or telephones without the Speed Dial and Redial buttons, enter 44 + 7XXX instead of # + 7XXX.</p>	
8	<p>CO Group Outgoing Calls (801~816)</p>	<p>Default Distributed Hunt [DNs] (850~ 865)</p> <p>See Program *04</p>
9	<p>Least Cost Routing or CO Group (9), Distributed Hunt Group Prog *04 Port Ref. (900~915)</p>	

Program *05 – Call Park Pickup Abbreviated Dialing

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Blank

##1*2*3 - Spkr *05 Hold - Spkr 1 [] [] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = 1 _____ DATA = 1 or 2 digit abbreviated dialing for Call Park Pickup.

SELECT = Call Park type:
 1 = Change #331 Call Park Pickup Code
 2 = Change #332 Call Park Pickup Code

It is only necessary to change one code, but each code can be changed to the same or

Program 09 – Built-in Auto Attendant Prompt / Station Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System and ACD

Initialized Default: Blank

##1*2*3 - Spkr 09 Hold - Spkr [] [] [] [] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Prompt _____ AUTO ATT DIAL = (1-4 digits)
 Press prompt number offered to caller. First or second digit. Enter the station numbers, [PDNs], [PhDNs], DH [DNs], or #4 plus the ACD Group No. which will receive Auto Attendant calls. Could be * if establishing the first digit.

Press LED Button 01 to delete data.

Dialed Digit (Menu Prompts)	Station Number [PDN]	Department, Division, Etc.
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		

System & Station

System & Station

Program *09 – [PDN], [PhDN], DH, ACD or Modem DID Ext. Assignments

Program *09 – [PDN], [PhDN], DH, ACD or Modem DID Ext. Assignments

Processor Type: See legend below

Program Type: Station

Initialized Default: See legend below

* # * # 1 * 2 * 3 - Spkr * 0 9 Hold - Spkr [][][] # [][][] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Port No. (see legend) _____ DIAL = DID Extension Number (1-4 digits)

To add a port range, enter XXX*XXX (low port * high port). (Do not press # after entering a port range.) Then enter the lowest DID Ext. number as the first Ext. number in the range.

Press LED Button 01 to erase extension numbers.

Processor	[PDN] Port Range	[PDN] Ext. #	[PhDN] Port Range	[PhDN] Ext. #	DH Group Ports	DH Ext. # Default	ACD Port #	ACD Ext. #	RMDS/IMDU Modem Port	Modem [PhDN] Ext. #
DK14	000-009	10~19	500-509	50-59	900-915	Blank	N/A	N/A	N/A	N/A
DK40i	000-027	10-37	500-527	50-77	900-915	Blank	N/A	N/A	031	41
RCTUA	000-031	200-231	500-531	500-531	900-915	Blank	N/A	N/A	035	235
RCTUBA/BB	000-079	200-279	500-579	500-579	900-915	Blank	090-097	290-297	085	285
RCTUC/D	000-239	200-439	500-739	500-739	900-915	Blank	250-265	450-465	245	445
RCTUE/F	000-335	100-435	500-835	450-785	900-915	Blank	345-360	850-865	340	840

[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1-4 Digits)

[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1-4 Digits)

[PDN], [PhDN], DH, ACD or Modem Port	[PDN], [PhDN], DH, ACD or Modem Port DID Ext. # (1-4 Digits)

Program 10-1 – System Assignments, Part 1 of 3

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: LEDs 07, 08, 09, 16, 18, 19 and 20 are ON

* # * # 1 * 2 * 3 - Spkr 1 0 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 Light the LED Buttons that are marked with an X in the table below.

Button/ LED	X	LED ON	LED OFF
20		Two-CO Line Conference/Allowed	Not Allowed Two-CO line Conference must be allowed for Tandem Line, DISA, CF-EXT, and DNIS external routing operation. Also See Program 15, Code 5.
19		Conference/Allowed	Not Allowed
18		Ring Detect Time-Normal	Ring Detect Time-Short Rings
17		Station to Station Call Volume PAD (-8db)	No Station to Station Call PAD
16		BRI Standard Initialization (2 TEIs)	None (TEI = 0)
15-13		Not Used	Not Used
12		ABR Cycles/10 times	15 times
11		ABR Redial time/30 sec.	1 min.
10		System Speed Dial Override, Toll Restriction	Restricted
09		Exclusive Hold/Allowed	Not Allowed
08		Alternate Point Answer	Transfer Privacy
07		Ring Transfer of CO Line Allowed	Not Allowed If Ring Transfer is allowed, set Ring Transfer Recall time in Program 37; if ring transfer is not allowed (LED 07 OFF), the station recalls immediately if transfer is attempted.
06		CO Line Repeat Ringing	Standard Ring Standard ring pattern is 1 sec. on, 3 sec. off.
05		Incoming Call Abandon 8 sec.	6 sec.
04		CO Line DTMF Signal Time 160 msec.	80 msec. LED 04 DTMF Signal Time applies to manual and speed dial tones sent out of the system via CO lines. This applies when dialing from any Toshiba telephone, including the 2000-series Digital Telephone. LED 04 does not apply to Call Forward or Voice Mail ID DTMF tones sent to voice mail ports. (See Program 10-2, LED 06, for tones sent to Voice Mail ports.)
03		Dial Pulse Make Ratio 33%	40%
02		0.45 or 1.5 sec. per Program 42-0	CO Line Re-seize guard time 0.45 CO line guard time is the time interval the system requires to release a CO line and re-seize it. If LED 02 is off, all lines are set with 0.45 second guard time; if LED is on, guard time is 0.45 or 1.5 seconds per Program 42-0.
01		Tone First (from SLTs, DKTs and EKTs)	Voice First (from SLTs, DKTs and EKTs) This applies to [PDNs] not [PhDNs]; [PhDNs] are always tone first.

System & Station

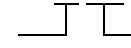
Program 10-2 – System Assignments, Part 2 of 3

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: LEDs 02, 14, 15, and 16 are ON

* # * # 1 * 2 * 3 - Spkr 1 0 Hold - Spkr 2 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2  Light the LED Buttons that are marked with an X in the table below.

Button/ LED	X	LED ON	LED OFF
20		Padded DTMF Tone Return When Dialing	DTMF/No DTMF Per Prog 10-2, LED 11
19		External Conference Amp Connected to PEKU	No External Amplifier Connected
18		External Conference Amp Connected to PEKU	No External Amplifier Connected
17		"TRNS" Soft Key—Immediate	"TRNS" Soft Key—Normal
16		Executive Override Warning Tone/ON	Executive Override Warning Tone/OFF
15		External Page included with All Call Page	Not Included - see Button/LED 20 note.
14		Privacy Override/Attendant/Supervised Loop Warning Tone/ON	Privacy/Attendant Supervised Loop Override Warning Tone/OFF
13		Send Auto Callback Camp-on Tone	No Callback Tone. Called party receives notification tone when calling party activates Auto Call Back.
12		CO Line 3 min Beep Tone	No Beep Tone
11		No DTMF Tone Return When Dialing	DTMF tone return when dialing
10		BGM connected to PESU, Circuit 8	EKT connected to PESU, CKT 8
09		BGM connected to PEKU, Circuit 3	EKT connected to PEKU, CKT 3
08		Elapsed Time Display 1 min. After Access or Answer a CO line	Elapsed Time Display 15 sec. After Access or Answer a CO Line
07		Standard Tel. CO Ring per Prog. 10-1, LED 06	Standard Tel. CO Ring Distinctive
06		VM ID Code DTMF Signal Time 80 ms	160 ms
05		Send Music-on-hold.	Send Ringback Tone to the transferred party.
04		MW cancel from VM: RS-232 or dial #64 + [DN]	MW cancel from VM: Automatic When Answer
03		3 Ringing Modes	2 Ringing Modes
02		Hunt/C.F. override from DSS console's phone	Hunt/C.F. override from DSS console
01		Tone First (from DSS Console)	Voice First (from DSS Console) This applies to [PDNs] not [PhDNs]; [PhDNs] are always tone first.

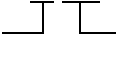
Program 10-3 – System Assignments, Part 3 of 3

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: LEDs 11, 13 and 20 ON, all other LEDs OFF

* # * # 1 * 2 * 3 - Spkr 1 0 Hold - Spkr 3 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 3  Light the LED Buttons that are marked with an X in the table below.

Button/ LED	X	LED ON	LED OFF
20		SMDI Message Desk Number (001) is sent in SMDI packet.	CO line number is sent in SMDI packet.
19		Speed Dial Entry Timeout- 3 minutes	Speed Dial Entry Timeout - 1 minute
18		Auto Attendant: Normal Ringing Pattern After Camp-on	Auto Attendant: Back to Announcement After Camp-on
17		Auto Attendant: Ring Before Disconnect time	Auto Attendant: Ring Before Disconnect time
16		Auto Attendant: Ring Before Disconnect time	Auto Attendant: Ring Before Disconnect time
15		Auto Attendant: Sends MOH to Caller	Auto Attendant: Sends RBT to Caller
14		SMDI-Bellcore Standard VM Interface, per LED 09 Below	Not used
13		SMDI-Station Number Digit Length (HEX-8)	SMDI-Station Number Digit Length (HEX-0)
12		SMDI-Station Number Digit Length (HEX-4)	SMDI-Station Number Digit Length (HEX-0)
11		SMDI-Station Number Digit Length (HEX-2)	SMDI-Station Number Digit Length (HEX-0)
10		SMDI-Station Number Digit Length (HEX-1)	SMDI-Station Number Digit Length (HEX-0)
09		Bellcore Standard 1985 Version (1-space)	Bellcore Standard 1985 Version (2-space)
08		Caller ID/ANI numbers are sent out the SMDI port	Caller ID/ANI numbers are not sent out the SMDI port.
07			
06			
05			
04		PEKU Ports 33, 34-Amp, connected (RCTUBA/BB or higher)	PEKU Ports 33, 34-stations connected
03		PEKU Ports 25, 26-Amp, connected	PEKU Ports 25, 26-stations connected
02		PEKU Ports 17, 18-Amp, connected	PEKU Ports 17, 18-stations connected
01		PEKU Ports 09, 10-Amp, connected	PEKU Ports 09, 10-stations connected

System & Station

Program *10 – Enhanced 911 Operation

Processor Type: DK14, DK40i, all RCTUs

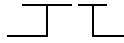
Program Type: System

Initialized Default: See each program

Programs *10-11 and *10-12 – E911 Standard Telephone Ports Assignment

Initialized Default: Blank

##1*2*3 - Spkr * 1 0 Hold - Spkr [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

First E911 Port = 11  E911 RSTU/KSTU2 Port Number

Second E911 Port = 12

	E911 RSTU/KSTU2/QSTU2 Port Number
First Standard Port	
Second Standard Port	

Program *10-91 – E911 Interdigital Time

Initialized Default: 15 seconds

##1*2*3 - Spkr * 1 0 Hold - Spkr [] [] [] Hold - Spkr # # Hold - Spkr # # Hold


Interdigit Timer = 91  01-15 seconds

Interdigit Timer		seconds
------------------	--	---------

Program *10-92 – E911 Pause Before Send Timer

Initialized Default: 0 - No pause

##1*2*3 - Spkr * 1 0 Hold - Spkr [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Pause Timer = 92  0 = No pause
1 = 1.5 second pause
2 = 3 second pause

Pause Timer		seconds
-------------	--	---------

Program 12 – System Assignments, Basic Timing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default:

Program Timing	
Code 1	15 secs.
Code 3	1
Code 4	2
Code 5	0
Code 8	1
Code 9	4

* # * # 1 * 2 * 3 - Spkr 1 2 Hold - Spkr [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1, 3-5, 8, 9
Enter program code from the table below.

DATA = Enter ring down time (00-60)

SELECT CODE = Enter the 1 digit code which corresponds to the time listed in the table below.

For Program Codes 8 and 9, the LCD responds with LINE TIME =, instead of SELECT CODE =.

Program Code	Function	Code	Time	Required Code
1	Standard Telephone Ring Down Timer (Release 4.0)	XX	XX = 2 digits. 00-60 secs.	
3	Pause Timing (Speed Dial)	1	1.5 sec	
		2	3.0 sec.	
4	Flash Timing	1	0.5 sec.	
		2	2.0 sec. (Not used in U.S.)	
		4	0.2 sec.	
5	Pause After Flash (Voice Path Delay)	0	no pause	
		1	1.5 sec.	
		2	3.0 sec.	
8	DNIS Ext. Network, External Call Forward, and DISA Disconnect Timer for Loop Start Lines	0	no disconnect timer	
		1	4 min. disconnect	
		2	10 min. disconnect	
		3	20 min. disconnect	
9	QRCU3/K4RCU3/RRCS DTMF Inter-digital Release Time (Standard Phone)	1-9	1-9 secs.	

Program 13 – Defining the Message Center

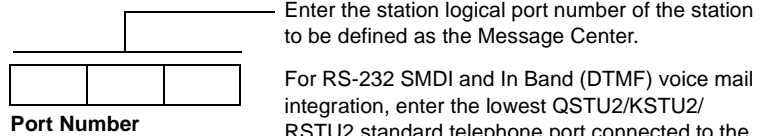
Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: No port assigned

*	#	*	#	1	*	2	*	3	-	Spkr	1	3	Hold	-	Spkr	1				Hold	-	Spkr	#	#	Hold	-	Spkr	#	#	Hold
---	---	---	---	---	---	---	---	---	---	------	---	---	------	---	------	---	--	--	--	------	---	------	---	---	------	---	------	---	---	------

SELECT = 1  PORT = Station Logical Port Number



Enter the station logical port number of the station to be defined as the Message Center.

For RS-232 SMDI and In Band (DTMF) voice mail integration, enter the lowest QSTU2/KSTU2/RSTU2 standard telephone port connected to the VM device (see notes below.)

Port Number

--	--	--

Program 15 – Ground/Loop/Tie/DID Line Options

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All LEDs are OFF



SELECT = Program Code

LED Buttons = CO line

Press **Scroll** to advance or **Page** to go back.

Specify CO line by setting LEDs as defined by the table below. When you are finished, all LEDs with an "X" should be lit.

To advance the CO line range, press **Scroll** located beneath the LCD. Press **Page** for a lower range.

Processor Type	CO Line Range
DK14	001-004
DK40i	001-012
RCTUA	001-016

Processor Type	CO Line Range
RCTUBA/BB	001-048
RCTUC/D	001-144
RCTUE/F	001-200

Program Code	Program	LED ON	LED OFF	Line																			
				LED																			
				01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
0	CPC on AR VM Calls and Voice Calls	Detect	Ignore																				
1	CO/DID/Tie Line Signal	DP	DTMF																				
2	CO/DID/Tie Dial Pulse Rate (Pulse per sec.)	20 PPS	10 PPS																				
3	AR Hold	Detect	Ignore																				
4	AR Timing	Crossbar 95 msec.	ESS (electronic) 450 msec.																				
5	Tandem CO Line Connection with Station Dropout	Enabled	Not Enabled																				
7	Forced Account Code	Enabled	Not Enabled																				
8	Operation After CO Line Flash	No DTMF receiver After Flash	DTMF receiver After Flash																				

System & Station

Program *15 – CO Line Tenant Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All CO lines assigned to Tenant 1

##1*2*3 - Spkr *15 Hold - Spkr [][] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = CO Line Number _____ TENANT = Assign the CO line to a tenant (see legend below)
 To add a line range, enter XXX*XXX (low port * high port).

Processor Type	CO Line Range	Tenants Supported	Processor Type	CO Line Range	Tenants Supported
DK14	001-004	2	RCTUBA/BB	001-048	4
DK40i	001-012	2	RCTUC/D	001-144	4
RCTUA	001-016	2	RCTUE/F	001-200	4

CO Line	Tenant Group			
	1	2	3	4

CO Line	Tenant Group			
	1	2	3	4

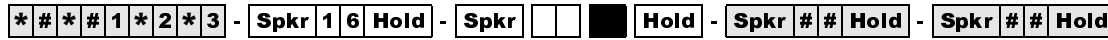
CO Line	Tenant Group			
	1	2	3	4

Program 16 – Assign CO Line Groups (or Dial 9)

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All CO lines assigned to the Dial 9 group



SELECT = CO Line Group (see legend)

LED Buttons = CO line

Only enter the last two digits of the CO line Group, or enter **00** for Dial 9 group.

Specify CO line by setting LEDs as defined by the table below. When you are finished, all LEDs with an "X" should be lit.

Press **Scroll** to advance or **Page** to go back.

To advance the CO line range, press **Scroll** located beneath the LCD. Press **Page** for a lower range.

Processor Type	CO Line Range	CO Line Groups
DK14	001~004	01~04
DK40i	001~012	01~08
RCTUA	001~016	01~08

Processor Type	CO Line Range	CO Line Groups
RCTUBA/BB	001~048	01~08
RCTUC/D	001~144	01~16
RCTUE/F	001~200	01~16

LED	Line Number	CO Line Groups														Dial 9(00)	
20																	
19																	
18																	
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	
09																	
08																	
07																	
06																	
05																	
04																	
03																	
02																	
01																	

System & Station

Program 17 – DID/Tie Line Options

Processor Type: DK40i, All RCTUs

Program Type: System

Initialized Default: LED 01/02 OFF, LED 03/04 ON

* # * # 1 * 2 * 3 - Spkr 1 7 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

Enter Line No. that will be DID or Tie line. _____ Light LED Buttons 01~08 as noted in table below

To add a port range, enter XXX*XXX (low port * high port).

Line Numbers:

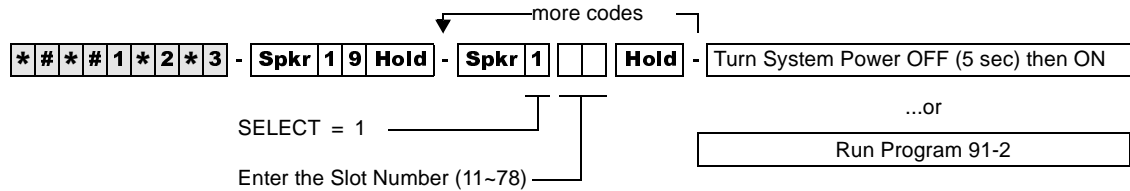
LED/Button	X	LED ON	LED OFF
09, 10, and 14~20		Not used at this time.	
08		DID/Tie line DTMF digits with * tones	DID/Tie line DTMF digits without * tones
07		DID/Tie line receives ANI and routes per Programs 71 and 72	DID/Tie line does not receives ANI (DID Program *09 and Tie Program 04)
06		Telephone LCD priority is ANI	Telephone LCD priority is DNIS
05		DID/Tie line routes per DNIS assignments: (Programs 71 and 72)	DID/Tie line routes per Non-DNIS assignments: (DID Program *09 and Tie Program 04)
04		DID/Tie no second dial tone	DID/Tie second dial tone
03		DID line Auto Camp-on busy	DID line no Camp-on busy
02		Wink Start for Tie or DID	Immediate Start for Tie or DID
01		Page and Voice Announce on incoming Tie line Page access for Tie/DID DNIS lines	No Page and Voice Announce on incoming Tie line No Page access for Tie/DID DNIS lines

Program 19 – Alternate Background Music Source Slot Assignment

Processor Type: DK40i, All RCTUs (not used for DK14. See Program 10-2, LED 10)

Program Type: System

Initialized Default: Slot 11

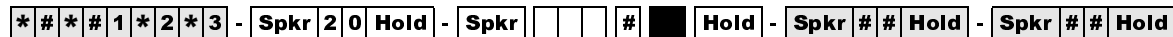


Program 20 – Computer and Data Interface Unit Configuration

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: LED 17 ON, all others OFF



SELECT = PDKU/PDSU Station Logical Port Number that is connected to PDIU-DS or to DKT with PDIU-DI or RPCI-DI

LED Buttons 01~06 define data port type; LED Buttons 17~20 assign data port to security group.

Processor Type	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor Type	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

DK40i Base, PDKU, RDSU, KCDU Digital Port Number

--	--	--

LED	X	LED ON	LED OFF
20		Data Security Group 4	Not Included
19		Data Security Group 2	Not Included
18		Data Security Group 3	Not Included
17		Data Security Group 1	Not Included
12~16	Not Used		
11		RPCI-DI DNIS Sent	RPCI-DI DNIS Not Sent
10		RPCI-DI Caller ID/ANI Sent	RPCI-DI Caller ID/ANI Not Sent
07~09	Not Used		
06		DTR Pulse with Data Release	No DTR Pulse
05		Auto Pause Behind PBX	No Auto Pause
04		PDIU-DS Connected	PDIU-DI/RPCI-DI Connected
03		PDIU-DS to Modem Connection	PDIU-DS to other type DCE or DTE
02		AT Commands and Result Codes	AT Commands Only
01		PDIU-DS or RPCI Connected	No PDIU-DS or RPCI Connected

Program 21 – Modem Pool Port Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Blank

* # * # 1 * 2 * 3 - Spkr 2 1 Hold - Spkr [] [] # [] [] Hold - Spkr # # Hold - Spkr # # Hold

Digital Station Logical Port
Number (see notes below)

Standard Telephone Modem Port
Number (see notes below)

Processor Type	Port Range
DK14	008-009
DK40i	008-027
RCTUA	008-031

Processor Type	Port Range
RCTUBA/BB	008-079
RCTUC/D	008-239
RCTUE/F	008-335

	Logical Port No.		
Assignment 1			
Assignment 2			
Assignment 3			
Assignment 4			
Assignment 5			
Assignment 6			
Assignment 7			
Assignment 8			
Assignment 9			
Assignment 10			

Modem Port No.	

System & Station

Program 22 – RPCI and DIU Station Hunting for Data Calls

Processor Type: DK14, DK40i, All RCTU's

Program Type: Station

Initialized Default: Does not assign "hunt-to" ports to any port

##1*2*3 - **Spkr** 22 **Hold** - **Spkr** # **Hold** - **Spkr** ## **Hold** - **Spkr** ## **Hold**

SELECT = Port Number (see legend below)

HUNT TO = (see legend below)

Enter the RPCI/DIU digital port number of the "hunt-from" station.

Enter the "hunt-to" RPCI/DIU digital port number.

Enter the port number(s) to which class of service must be assigned. To add a port range, enter XXX*XXX (low port * high port).

LED Button 01 deletes a digit from the "hunt-to" port.

Processor Type	Port Range
DK14	000-007
DK40i	000-027
RCTUA	000-031

Processor Type	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port	Hunt From Port	Hunt To Port

Program 23 – Built-in Auto Attendant (AA) Primary Announcement Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: No ports assigned

* # * # 1 * 2 * 3 - Spkr 2 3 Hold - Spkr Hold - Spkr # # Hold

SELECT = 1-4 AUTO ATT 1 NO. = Port

Select the Auto Attendant device (digital announcer).

Enter the standard station logical port number to which the device will be assigned.

Processor Type	Port Range	Processor Type	Port Range
DK14	008-009	RCTUBA/BB	008-079
DK40i	008-027	RCTUC/D	008-239
RCTUA	008-031	RCTUE/F	008-335

Announcement Device	Port Number
1	
2	
3	
4	

System & Station

Program 24 – Built-in AA Secondary Announcement Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: No ports assigned

* # * # 1 * 2 * 3 - Spkr 2 4 Hold - Spkr Hold - Spkr # # Hold

SELECT = 1-4 AUTO ATT 2 NO. = Port

Select the Auto Attendant device (digital announcer).

Enter the standard station logical port number to which the device will be assigned.

Note See Program 23 legend for port ranges.

Announcement Device	Port Number
1	
2	
3	
4	

Program 25-1 – Built-in AA Incoming Call Overflow Time

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *20 seconds before overflow*

*** # * # 1 * 2 * 3 - Spkr 2 5 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold**

SELECT = 1 AATT TIME = Seconds before overflowing

Enter the number of seconds, 12~24.

Program 27 – DKT Handset/Headset Receiver Volume Level

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *VR=2*

* * * * 1 * 2 * 3 - Spkr 2 7 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

Digital Telephone Logical Port Number

VR = Enter volume level 1-4
Default volume level is 2.

Total DKT Volume Range (VR)

Lowest Volume | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Highest Volume

Set VR 1-4 for initial off-hook handset receiver volume level; VR resets to programmed level (1-4) after each call (on-hook/off-hook). Each level is equivalent to a 2dB change.

Processor Type	Port Range
DK14	000-007
DK40i	000-027
RCTUA	000-031

Processor Type	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port	VR Level

Port	VR Level

Port	VR Level

Port	VR Level

Program 28 – DSS Console/Attendant Telephone Assignments

Processor Type: DK40i, All RCTUs

Program Type: Station

Initialized Default: Assigns Console #1 to Attendant Telephone #1; Console #2 to Attendant Telephone #2; etc.

* # * # 1 * 2 * 3 - Spkr 2 8 Hold - Spkr Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1~8 _____ DSS ATT = 1~8

Enter the DSS console number.

Enter the attendant digital or electronic telephone number.

Digital DSS consoles (DDSS) should be assigned to digital telephones, and electronic consoles (HDSS) should be assigned to electronic telephones.

Processor	DSS Consoles	HDSS Consoles
DK14	0	0
DK40i	1-3	1-3
RCTUA	1-3	1-3
RCTUBA/BB	1-4	1-4
RCTUC/D	1-8	1-8
RCTUE/F	1-8	1-8

DDSS PDKU/HDSS PEKU PCBs (Lowest to Highest)	DDSS/HDSS Console Number	Attendant DKT/EKT Number (1~8)
Low Slot Number:	1	
Slot Number:	2	
Slot Number:	3	
Slot Number:	4	
Slot Number:	5	
Slot Number:	6	
Slot Number:	7	
High Slot Number:	8	

System & Station

Program 29-1~8 – DSS Console and Number Button Assignments

Processor Type: DK40i, All RCTUs

Program Type: Station

Initialized Default: See "Program 29 - Initialized Default DSS Console Button Assignments" on [Page 41](#)



SELECT = DDSS/HDSS console number 1~8

DDSS/HDSS LED Button Group 1~3
Each console has three groups of 20 LED buttons.

DKT LEDs 01~20
Press the DKT LED that is in the same position as the console button being assigned. The LED lights and the LCD displays the console button's number.

CODE =
Assign Speed Dial, trunk access, or DSS access to this button chosen. See code table below.

The **Night Transfer** and **All Call Page** buttons may be changed to **DSS, Line (CO)** or **SD** buttons, but they may not be reassigned to other button locations.

Initialized key assignments are shown following the Program 29 System Record Sheets.

Code Table and Legend

Button Type	Code
All Call	489
Night Transfer 1	439
Night Transfer 2	440
Night Transfer 3	441
Night Transfer 4	442

Processor	Personal Speed Dial Bin Numbers	System Speed Dial Bin Numbers	CO Line Range	DSS Button Range
DK40i	* 10~ * 49	* 60~ * 99	001~012	#000~#027
RCTUA	* 10~ * 49	* 60~ * 99	001~016	#000~#031
RCTUBA/BB	* 10~ * 49	* 600~ * 699	001~048	#000~#079
RCTUC/D	* 10~ * 49	* 600~ * 699	001~144	#000~#239
RCTUE/F	* 100~ * 139	* 200~ * 999	001~200	#000~#335

Console Number _____

Group Number 1	
Button/Code	Button/Code
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Group Number 2	
Button/Code	Button/Code
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Group Number 3	
Button/Code	Button/Code
10	20
09	19
08	18
07	17
06	16
05	15
04	14
03	13
02	12
01	11

Program 29 - Initialized Default DSS Console Button Assignments

Group 1

DSS Button No.	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#000	#000	#000
02	#001	#001	#001
03	#002	#002	#002
04	#003	#003	#003
05	#004	#004	#004
06	#005	#005	#005
07	#006	#006	#006
08	#007	#007	#007
09	#008	#008	#008
10	#009	#009	#009
11	#010	#010	#010
12	#011	#011	#011
13	#012	#012	#012
14	#013	#013	#013
15	#014	#014	#014
16	#015	#015	#015
17	#016	#016	#016
18	#017	#017	#017
19	#018	#018	#018
20	#019	#019	#019

Group 2

DSS Button No	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#020	#020	#020
02	#021	#021	#021
03	#022	#022	#022
04	#023	#023	#023
05	#024	#024	#024
06	#025	#025	#025
07	#026	#026	#026
08	#027	#027	#027
09	*10	#028	#028
10	*11	#029	#029
11	*12	#030	#030
12	*13	#031	#031
13	*14	*10	#032
14	*15	*11	#033
15	*16	*12	#034
16	*17	*13	#035
17	*18	*14	#036
18	*19	*15	#037
19	*20	*16	#038
20	*21	*17	#039

Group 3

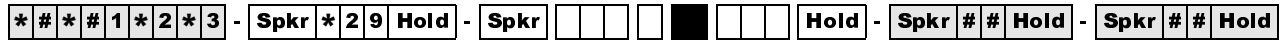
DSS Button No	DK40	RCTUA	RCTUB RCTUC/D RCTUE/F
01	*22	*18	#040
02	*23	*19	#041
03	*24	*20	#042
04	*25	*21	#043
05	*26	*22	#044
06	*27	*23	#045
07	*28	*24	#046
08	*29	*25	#047
09	*30	*26	#048
10	*31	*27	#049
11	*32	*28	#050
12	*33	*29	#051
13	*34	*30	#052
14	*35	*31	#053
15	*36	*32	#054
16	*37	*33	#055
17	*38	*34	#056
18	*39	*35	#057
19	AC (489)	AC (489)	AC (489)
20	NT 1 (439)	NT 1 (439)	NT 1 (439)

Program *29 – Add-on Modules Button Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: See “Program 29 - Add-on Modules Button Assignments” on Page 3-74



Enter the station logical port of the telephone which will have buttons assigned to its attached Add-on.

Enter the Add-on Module which will have buttons assigned to it (0, 1, or 2). Enter 0 when removing ADMs.

CODE= See the Code Table below.

LED 01~20 Press the LED that is in the same position as the Add-on Module button being assigned.

Processor	Personal Speed Dial Bin Numbers	System Speed Dial Bin Numbers	CO Line Range	DSS Button Range
DK14	* 10~* 49	* 60~* 99	001~004	#000~#009
DK40i	* 10~* 49	* 60~* 99	001~008	#000~#027
RCTUA	* 10~* 49	* 60~* 99	001~016	#000~#031
RCTUBA/BB	* 10~* 49	* 600~* 699	001~048	#000~#079
RCTUC/D	* 10~* 49	* 600~* 699	001~144	#000~#239
RCTUE/F	* 100~* 139	* 200~* 999	001~200	#000~#335

Port _____

Add-on Module 1				Add-on Module 2			
Button	Code	Button	Code	Button	Code	Button	Code
10		20		10		20	
09		19		09		19	
08		18		08		18	
07		17		07		17	
06		16		06		16	
05		15		05		15	
04		14		04		14	
03		13		03		13	
02		12		02		12	
01		11		01		11	

Port _____

Add-on Module 1				Add-on Module 2			
Button	Code	Button	Code	Button	Code	Button	Code
10		20		10		20	
09		19		09		19	
08		18		08		18	
07		17		07		17	
06		16		06		16	
05		15		05		15	
04		14		04		14	
03		13		03		13	
02		12		02		12	
01		11		01		11	

Processor	ADMs	Number of System Speed Dial Numbers	Number of Personal Speed Dial Numbers
DK14	8	40	40
DK40i	12	40	40
RCTUA	12	40	40
RCTUBA/BB	40	100	40
RCTUC/D	120	100	40
RCTUE/F	200	800	40

Button Assignments

Add-on Module 1 Button No.	DK14	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	#000	#000	#000	#000
02	#001	#001	#001	#001
03	#002	#002	#002	#002
04	#003	#003	#003	#003
05	#004	#004	#004	#004
06	#005	#005	#005	#005
07	#006	#006	#006	#006
08	#007	#007	#007	#007
09	#008	#008	#008	#008
10	#009	#009	#009	#009
11	* 10	#010	#010	#010
12	* 11	#011	#011	#011
13	* 12	#012	#012	#012
14	* 13	#013	#013	#013
15	* 14	#014	#014	#014
16	* 15	#015	#015	#015
17	* 16	#016	#016	#016
18	* 17	#017	#017	#017
19	* 18	#018	#018	#018
20	* 19	#019	#019	#019

Add-on Module 2 Button No.	DK14	DK40i	RCTUA	RCTUB RCTUC/D RCTUE/F
01	* 20	#020	#020	#020
02	* 21	#021	#021	#021
03	* 22	#022	#022	#022
04	* 23	#023	#023	#023
05	* 24	#024	#024	#024
06	* 25	#025	#025	#025
07	* 26	#026	#026	#026
08	* 27	#027	#027	#027
09	* 28	* 10	#028	#028
10	* 29	* 11	#029	#029
11	* 30	* 12	#030	#030
12	* 31	* 13	#031	#031
13	* 32	* 14	* 10	#032
14	* 33	* 15	* 11	#033
15	* 34	* 16	* 12	#034
16	* 35	* 17	* 13	#035
17	* 36	* 18	* 14	#036
18	* 38	* 19	* 15	#037
19	* 39	* 20	* 16	#038
20	* 40	* 21	* 17	#039

System & Station

Program 30 – Station Class of Service

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: LEDs 01, 05 and 07 for all ports

* # * # 1 * 2 * 3 - Spkr 3 0 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number(s)
 Enter the port numbers to which class of service must be assigned. To add a port range, enter XXX*XXX (low port * high port).

Light LEDs for the port specified in the last step. All LEDs marked with an "X" in the table below should be lit.

Processor Type	Port Range	DISA Port
DK14	000-009	010
DK40i	000-027	035
RCTUA	000-031	039

Processor Type	Port Range	DISA Port
RCTUBA/BB	000-079	089
RCTUC/D	000-239	249
RCTUE/F	000-335	344

Feature	LED	Port									
SLT/ISDN Terminal "#" Dial	20										
Privacy Override	19										
Executive Override	18										
DND Override	17										
Change TR Traveling Class Code	16										
Change Verified Account Code	15										
Verified Account Codes	14										
	13										
SLT-Hook Flash Anti-Bounce Guard	12										
Dial Pulse - DTMF OFF	11										
Change DISA Security Code	10										
Change TR Override Code	09										
Forced Account Code	08										
OCA Automatic (originating OCA)	07										
ABR Access	06										
Speed Dial Allowed	05										
#5#30 Pickup AC Page Only (Release 3.2 and higher)	04										
Microphone Button on at Start of Call	03										
MIC Button Locked	02										
Speakerphone	01										

Program *30 – Telephone Group Page Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: All LEDs OFF

* # * # 1 * 2 * 3 - Spkr * 3 0 Hold - Spkr # Hold - Spkr # # Hold - Spkr # # Hold

Enter the station logical port which will be assigned to page a group or groups. To add a port range, enter XXX*XXX (low port * high port).

Press LED Buttons 01~08 to light LEDs for the port specified in the last step. In the table below, "X" all LED Buttons which should be lit.

Processor Type	Port Range	Number of Page Groups
DK14	000-007	4
DK40i	000-027	4
RCTUA	000-031	4

Processor Type	Port Range	Number of Page Groups
RCTUBA/BB	000-079	4
RCTUC/D	000-239	8
RCTUE/F	000-335	8

Feature	LED	Port															
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Page Group H	08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group G	07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group F	06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group E	05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group D	04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group C	03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group B	02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page Group A	01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Shaded groups apply to RCTUC/D and RCTUE/F only.

System & Station

Program 31 – Station Class of Service

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: LED 10 ON for Ports 000~119; LED 11~13 ON for all ports.

##1*2*3 - Spkr 3 1 Hold - Spkr # Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Station Logical Port Number(s)
Enter the port numbers to which class of service must be assigned.

Light LED Buttons for the port specified in the last step. All LED Buttons marked with an "X" in the table below should be lit.

Processor Type	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor Type	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Feature	LED	Port									
Toshiba Stratagy/VP (B + Station No.)	20										
Toshiba Stratagy/VP (B No Station)	19										
Executive & Privacy Override Blocking	18										
End/End Signal Rcv (VM)	17										
Receive VM ID Code	16										
Toshiba Stratagy/VP Integration (A/D)	15										
Handset OCA	14										
Handset OCA Warning Tone	13										
Pooled Line Key - No Flash if No Ring	12										
Busy Override Tone - Continuous	11										
All Call Page Allowed - EKTs/DKTs	10										
VM (No Conference)	09										
VM Group 4 (does not apply to DK14)	08										
VM Group 3 (does not apply to DK14)	07										
VM Group 2	06										
VM Group 1	05										
VM to VM Call Blocking Called/Calling	04										
OCA Enabled (To Receive)	03										
Handsfree No Warning Tone	02										
Handsfree Disabled	01										

Program *31 – Group Pickup Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: All LEDs OFF

* # * # 1 * 2 * 3 - Spkr * 3 1 Hold - Spkr # Hold - Spkr # # Hold - Spkr # # Hold

Station Logical Port Number

Enter the station logical port which will be assigned to a pickup group or groups. To add a port range, enter XXX*XXX (low port * high port).

Light LED Buttons for the port specified in the last step. In the table below, mark an "X" for all LED Buttons which should be lit.

Processor Type	Port Range	Pickup Groups
DK14	000-009	8
DK40i	000-027	16
RCTUA	000-031	20

Processor Type	Port Range	Pickup Groups
RCTUBA/BB	000-079	20
RCTUC/D	000-239	20
RCTUE/F	000-335	20

Pickup Group	LED	Port													
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pickup Group 20	20														
Pickup Group 19	19														
Pickup Group 18	18														
Pickup Group 17	17														
Pickup Group 16	16														
Pickup Group 15	15														
Pickup Group 14	14														
Pickup Group 13	13														
Pickup Group 12	12														
Pickup Group 11	11														
Pickup Group 10	10														
Pickup Group 9	09														
Pickup Group 8	08														
Pickup Group 7	07														
Pickup Group 6	06														
Pickup Group 5	05														
Pickup Group 4	04														
Pickup Group 6	03														
Pickup Group 2	02														
Pickup Group 1	01														

System & Station

System & Station

Program 32 – Automatic Preference

Program 32 – Automatic Preference

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Assigns Ringing Code 1 and Automatic Off-hook (Preference) Code 00 for all ports*

* # * # 1 * 2 * 3 - Spkr 3 2 Hold - Spkr [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number

Enter the port number of the station having preference defined. To add a port range, enter XXX*XXX (low port * high port).

DATA = Ringing Code

0 = Disable Ringing Line Preference
 1 = Enable Ringing Line Preference

Automatic Preference Code:

00 = No selection

01 = [PDN]

02 = Lowest CO, Tie, or DID line

11-26 = 01-16 Line groups

(See legend below for maximum line groups.)

Processor Type	Port Range Port Reference Number	Number of CO Line Groups
DK14	000-007	01-04
DK40i	000-027	01-08
RCTUA	000-031	01-08

Processor Type	Port Range Port Reference Number	Number of CO Line Groups
RCTUBA/BB	000-079	01-08
RCTUC/D	000-239	01-16
RCTUE/F	000-335	01-16

Port Number	Ringing Code	Automatic Preference Code

Port Number	Ringing Code	Automatic Preference Code

Program *32 – RS-232 Voice Mail Message Center Port

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Blank

* # # # 1 * 2 * 3	-	Spkr * 3 2 Hold	-	Spkr	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	#	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Hold	-	Spkr # # Hold	-	Spkr # # Hold
-------------------	---	-----------------	---	------	---	---	---	---	---	---	---	------	---	---------------	---	---------------

SELECT = Station Logical Port Number
 (see ranges below)

Enter the port number having a Message Center assigned. Enter all station ports using the same Voice Mail machine.

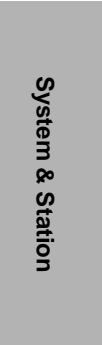
To add a port range, enter XXX*XXX
 (low port * high port).

VM PORT = Voice Mail Message Port

Enter the Voice Mail Message Center Port number (see ranges below) that should be assigned to each station.

Enter the lowest KSTU2, QSTU2 or RSTU2 port number that is connected to the VM machine.

If VM ports are assigned to a Distributed Hunt (DH) Group in Program *40, enter the port number of the first DH Group member, not the DH Group port (900~915). See example following



Processor Type	Port Range
DK14	008~009
DK40i	008~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port	MW Center Port

Port	MW Center Port

Port	MW Center Port

Port	MW Center Port

Program *32 Overview

This program assigns which Voice Mail Message Center port number will be called when a station user presses the flashing **Msg** button. When using SMDI or DTMF voice mail integration, the Voice Mail Port Message Center must be assigned for each station. The Message Center port must be the lowest voice mail standard telephone port in the Program 31 Voice Mail Group. It is normally the same port for all stations.

Program 33 – [PDN]/ [PhDN] Station Hunting (Voice Calls Only)

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Blank

##1*2*3 - Spkr 3 3 Hold - Spkr [][] # [][] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = [PDN] or [PhDN] Port Reference Number of the “hunt-from” station.

To add a port range, enter XXX*XXX (low port * high port).

HUNT TO = [PDN] or [PhDN] Port Reference Number of the “hunt-to” station.

Press LED Button 01 to delete digit from the “hunt-to” port.

Processor	[PDN] Port Range	[PhDN] Port Range
DK14	000~009	500~509
DK40i	000~027	500~527
RCTUA	000~031	500~531

Processor	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	000~079	500~579
RCTUC/D	000~239	500~739
RCTUE/F	000~335	500~835

Hunt From	Hunt To

Hunt From	Hunt To

Hunt From	Hunt To

Hunt From	Hunt To

Program *33 – [PhDN] Owner Telephone Assignment

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *Blanks (no data)*

* # * # 1 * 2 * 3 - Spkr * 3 3 Hold - Spkr [][][] # [][][] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = [PhDN] Port Reference Number Enter the [PhDN] Port Reference Number. Enter the [PDN] Owner Station Logical Port Number.

Processor	[PhDN] Port Reference Number	[PDN] Port Range		Processor	[PhDN] Port Reference Number	[PDN] Port Range
DK14	500-509	000-009		RCTUBA/BB	500-579	000-079
DK40i	500-527	000-027		RCTUC/D	500-739	000-239
RCTUA	500-531	000-031		RCTUE/F	500-835	000-335

[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number	[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number	[PhDN] Port Reference Number	Owner Telephone (Program 04) Port Number

System & Station

Program 34 – Hold Recall Timing

Program 34 – Hold Recall Timing

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Assigns a Hold Recall Time of 032 seconds to all ports

##1*2*3 - Spkr 3 4 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Station Logical Port Number

HUNT TIME = Seconds

Enter the port number having its Hold Recall Time defined.

Enter the number of seconds the system will wait (three digits).

To add a port range, enter XXX*XXX (low port * high port).

Enter 000 for no Hold Recall. Enter 011~160 for 11 to 160 seconds.

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port	Seconds	Port	Seconds	Port	Seconds	Port	Seconds

Program *34 – Station Class Of Service

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: LED 01 ON for all ports

* # * # 1 * 2 * 3 - Spkr * 3 4 Hold - Spkr # Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number

Enter the port number(s) being defined.

To add a port range, enter XXX*XXX
(low port * high port).

LED = Select LEDs to light for the port specified in the last step. Mark an "X" in the table below for all LEDs which should be lit.

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Feature	LED	Port												
	20													
	19													
	18													
	17													
	16													
	15													
	14													
	13													
	12													
	11													
	10													
	09													
	08													
	07													
	06													
	05													
	04													
	03													
	02													
Camp-on Tone to standard telephone, DKT, or EKT handset/Spkr	01													

System & Station

Program 35 – Station Class of Service

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: LED 01, 02, 04, 05, 16 are ON, all other LEDs OFF.

##1*2*3 - Spkr 3 5 Hold - Spkr # Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Station Logical Port Number

Enter the port number(s) being defined.

To add a port range, enter XXX*XXX
(low port * high port).

LED = Select LEDs to light for the port specified in the last step. Mark an "X" in the table below for all LEDs which should be ON.

Processor	Port Range	Maximum LCD Phones With Personal Messages
DK14	000~009	8
DK40i	000~027	16
RCTUA	000~031	16

Processor	Port Range	Maximum LCD Phones With Personal Messages
RCTUBA/BB	000~079	32
RCTUC/D	000~239	96
RCTUE/F	000~335	96

Feature	LED	Port											
Busy Station Transfer	20												
Busy Station Ringing	19												
Automatic Hold	18												
DKT 2000 Telephone Continuous DTMF Tones OFF	17												
No CF/NA Handsfree or OCA	16												
Not used	15												
Toll Restriction After Answer	14												
Toll Restriction After Answer	13												
Not used	12~07												
Disable Hold Display Scrolling (Release 3.2 and higher)	06												
LCD Personal Message (10~19) Allowed	05												
Message Waiting (RCV)	04												
Message Waiting Lamp Standard. Telephones	03												
LCD Type/32-ON/12-OFF	02												
LCD Display	01												

Program 36 – Fixed Call Forward

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Does not assign a Fixed Call Forward location to any port

##1*2*3 - Spkr 3 6 Hold - Spkr [][] # [][] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Station Logical Port Number

FORWARD TO TEL = Port Number

Enter the port number of the station that needs a Fixed Call Forward location assigned.

Enter the port number of the [PDN], [PhDN] or DH [DN] that will be call forwarded to when the **Fixed Call Forward** button is pressed.

To add a port range, enter XXX*XXX (low port * high port).

[PhDNs] or DH [DNs] can be entered with DK Release 3.2 and above software only.

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
DK14	000~009	500~509	900~915
DK40i	000~027	500~527	900~915
RCTUA	000~031	500~531	900~915

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
RCTUBA/BB	000~079	500~579	900~915
RCTUC/D	000~239	500~739	900~915
RCTUE/F	000~335	500~835	900~915

Port	Forward to Tel Port

Port	Forward to Tel Port

Port	Forward to Tel Port

Port	Forward to Tel Port

Program *36 – System NT Button Lock Password Changing Station Assignment

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: 000

* # * # 1 * 2 * 3 - Spkr * 3 6 Hold - Spkr [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Tenant Number 1~4

DATA = Station port designated as Night Transfer Lock Password Change Station for selected tenant.

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Tenant Number	NT Lock Station or Console Port
1	
2	
3	
4	

Program *37 – Park Recall Timing

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Assigns Ring Transfer Recall Time of 32 seconds to all ports

***** **#** ***** **#** **1** ***** **2** ***** **3** - **Spkr** ***** **3** **7** **Hold** - **Spkr** [] [] [] **#** [] [] [] **Hold** - **Spkr** **#** **#** **Hold** - **Spkr** **#** **#** **Hold**

SELECT = Station Logical Port Number

PARK TIME = Seconds

Enter the port number having its Park Recall Time assigned.

Enter the number of seconds the system will wait (three digits). Enter 011~999 for 11 to 999 seconds.

To add a port range, enter XXX*XXX (low port * high port).

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port	Seconds

Port	Seconds

Port	Seconds

Port	Seconds

Program 38 – Digital and Electronic Telephone Keystrip Type

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Assigns Code 31 to all ports

Important!

If you only want to view Program 38 data, do not press **Hold**, press **Spkr**. Pressing **Hold** will change Program 39 assignments.

Spkr

...or

* # * # 1 * 2 * 3 - **Spkr** 3 8 **Hold** - **Spkr** [] [] # [] [] **Hold** - **Spkr** # # **Hold** - **Spkr** # # **Hold**

SELECT = Port Number

Enter the port number of the station that needs a keystrip defined.

To add a port range, enter XXX*XXX

BUTTON MENU = Code

Enter the appropriate code:

Code 21 = 10-button telephone

Code 31 = 20-button (A) telephone

Code 32 = 20-button (B) telephone

Code 33 = 20-button (C) telephone

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port	Button Menu

Port	Button Menu

Port	Button Menu

Port	Button Menu

System & Station

Assignments for 2000-Series Digital Telephone Keystrips

Speed Dial ¹
Do Not Disturb
Line 7
Line 6
Line 5
Line 4
Line 3
Line 2
Line 1
[PDN]

Code 21 – 10-Button

Line 9	Speed Dial ¹
Line 8	Do Not Disturb
Line 7	SD 14
Line 6	SD 13
Line 5	SD 12
Line 4	SD 11
Line 3	SD 10
Line 2	Line 12
Line 1	Line 11
[PDN]	Line 10

DK424 and DK40i
Code 32 – 20-Button (B)

SD10	Flash
Line 8	Do Not Disturb
Line 7	Speed Dial
Line 6	Redial
Line 5	Speed Dial Pause
Line 4	SD 15
Line 3	SD 14
Line 2	SD 13
Line 1	SD 12
[PDN]	SD 11

DK424
Code 33 – 20-Button (C)
(Keystrip not provided, but can be assigned)

All Call Voice Page (for DK40i only) ...or Line 9	Speed Dial ¹
Line 8	Do Not Disturb
Line 7	Line 17 ²
Line 6	Line 16
Line 5	Line 15
Line 4	Line 14
Line 3	Line 13
Line 2	Line 12
Line 1	Line 11
[PDN]	Line 10

Code 31 (Default) – 20-Button (A)

SD14	Speed Dial ¹
SD13	Do Not Disturb
SD12	SD 22
SD11	SD 21
SD10	SD 20
Line 4	SD 19
Line 3	SD 18
Line 2	SD 17
Line 1	SD 16
[PDN]	SD 15

DK14
Code 32 – 20-Button (B)

Line 9	Flash
Line 8	Do Not Disturb
Line 7	Speed Dial
Line 6	Redial
Line 5	Speed Dial Pause
Line 4	Line 12
Line 3	Line 11
Line 2	Line 10
Line 1	
[PDN]	

DK40i
Code 33 – 20-Button (C)

Assignments for 1000-Series Digital Telephone Keystrips

CO15	CO16	CO17	DND	SDS
CO10	CO11	CO12	CO13	CO14
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 31 (Default) – 20-Button (A)

SD12	SD13	SD14	DND	SDS
CO10	CO11	CO12	SD10	SD11
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 32 – 20-Button (B)

PAU	RDL	SDS	DND	FLASH
SD11	SD12	SD13	SD14	SD15
CO5	CO6	CO7	CO8	CO9
[PDN]	CO1	CO2	CO3	CO4

Code 33 – 20-Button (C)

Assignments for Electronic Telephone Keystrips

MW/FL ¹
Do Not Disturb
CO7
CO6
CO5
CO4
CO3
CO2
CO1
[PDN]

Code 21 – 10-Button

CO9	MW/FL ¹
CO8	Do Not Disturb
CO7	CO17 ²
CO6	CO16
CO5	CO15
CO4	CO14
CO3	CO13
CO2	CO12
CO1	CO11
[PDN]	CO10

Code 31 (Default) – 20-Button (A)

CO9	MW/FL ¹
CO8	Do Not Disturb
CO7	SD14
CO6	SD13
CO5	SD12
CO4	SD11
CO3	SD10
CO2	CO12
CO1	CO11
[PDN]	CO10

Code 32 – 20-Button (B)

SD10	MW/FL ¹
CO8	Do Not Disturb
CO7	SDS
CO6	RDL
CO5	PAU
CO4	SD15
CO3	SD14
CO2	SD13
CO1	SD12
[PDN]	SD11

Code 33 – 20-Button (C)

1. The **Speed Dial** button is the same as the **SDS** or **REP** buttons in previous Strata systems (Program 39, Code 97). Also, if changing PEKU PCBs (electronic telephone) to PDKU PCBs (digital telephone), or vice versa, always check that the **Speed Dial** or **MW/FL** button is set appropriately in Program 39.
2. This button is initialized as **SD10** with RCTUA since there are only 16 CO lines.

System & Station

Program 38 – Digital and Electronic Telephone Keystrip Type

10	30, 50, 70 90, 110, 130, 150, 170, 190	9	20	40, 60, 80 100, 120, 140, 160, 180, 200	9
09	29, 49, 69 89, 109, 129, 149, 169, 189	8	19	39, 59, 79 99, 119, 139, 159, 179, 199	8
08	28, 48, 68 88, 108, 128, 148, 168, 188	7	18	38, 58, 78 98, 118, 138, 158, 178, 198	7
07	27, 47, 67 87, 107, 127, 147, 167, 187	6	17	37, 57, 77 97, 117, 137, 157, 177, 197	6
06	26, 46, 66 86, 106, 126, 146, 166, 186	5	16	36, 56, 76 96, 116, 136, 156, 176, 196	5
05	25, 45, 65 85, 105, 125, 145, 165, 185	4	15	35, 55, 75 95, 115, 135, 155, 175, 195	4
04	24, 44, 64 84, 104, 124, 144, 164, 184	3	14	34, 54, 74 94, 114, 134, 154, 174, 194	3
03	23, 43, 63 83, 103, 123, 143, 163, 183	2	13	33, 53, 73 93, 113, 133, 153, 173, 193	2
02	22, 42, 62 82, 102, 122, 142, 162, 182	1	12	32, 52, 72 92, 112, 132, 152, 172, 192	1
01	21, 41, 61 81, 101, 121, 141, 161, 181	0	11	31, 51, 71 91, 111, 131, 151, 171, 191	0

16, 36, 56, 76 96, 116, 136, 156, 176, 196	17, 37, 57, 77 97, 117, 137, 157, 177, 197	18, 38, 58, 78 98, 118, 138, 158, 178, 198	19, 39, 59, 79 99, 119, 139, 159, 179, 199	20, 40, 60, 80 100, 120, 140, 160, 180, 200
11, 31, 51, 71 91, 111, 131, 151, 171, 191	12, 32, 52, 72 92, 112, 132, 152, 172, 192	13, 33, 53, 73 93, 113, 133, 153, 173, 193	14, 34, 54, 74 94, 114, 134, 154, 174, 194	15, 35, 55, 75 95, 115, 135, 155, 175, 195
06, 26, 46, 66 86, 106, 126, 146, 166, 186	07, 27, 47, 67 87, 107, 127, 147, 167, 187	08, 28, 48, 68 88, 108, 128, 148, 168, 188	09, 29, 49, 69 89, 109, 129, 149, 169, 189	10, 30, 50, 70 90, 110, 130, 150, 170, 190
01, 21, 41, 61 81, 101, 121, 141, 161, 181	02, 22, 42, 62 82, 102, 122, 142, 162, 182	03, 23, 43, 63 83, 103, 123, 143, 163, 183	04, 24, 44, 64 84, 104, 124, 144, 164, 184	05, 25, 45, 65 85, 105, 125, 145, 165, 185



1843

1000-series digital telephone strip - shows programming button/LED assignment locations. Shown as reference only - not available as an individual strip.

LED Buttons and CO line numbers (01~20)

Last digit of EK port number for programs with a format like *71, *72, and *73

CO line numbers (21~200)

2000-series digital telephone strip - supplied with each *Strata DK Programming Manual* and each Documentation Package that ships with the system. Can also be used with 6000- and 6500-series electronic telephones.

Note Button numbers 01~200 on electronic telephones (6000, 6500 series, etc.) are in the same position as shown on the 2000-series digital telephone programming keystrip.

Program *38 – Standard Telephone Ring-Down Destination

Processor Type: Release 4.0 and higher RCTUs

Program Type: Station

Initialized Default: Does not assign Ring Down Destination to any port

*****#1*2*3** - **Spkr** *3**8 Hold** - **Spkr** [][] **#** [][] **Hold** - **Spkr** # **# Hold** - **Spkr** # **# Hold**

SELECT = Standard Telephone Logical Port Number

FORWARD TO TEL = Port Number

Enter the port number of the station that needs a Ring Down Destination assigned.

Enter the port number of the [PDN], [PhDN] or DH [DN] that should ring when the Ring-Down Timer (Program 12-1) expires.

To add a port range, enter XXX*XXX (low port * high

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
DK14	N/A	N/A	900-915
DK40i	N/A	N/A	900-915
RCTUA	000-031	500-531	900-915

Processor	[PDN] Port Range	[PhDN] Port Range	DH Group Ports
RCTUBA/BB	000-079	500-579	900-915
RCTUC/D	000-239	500-739	900-915
RCTUE/F	000-335	500-835	900-915

Port	Forward to Tel Port

Port	Forward to Tel Port

Port	Forward to Tel Port

Port	Forward to Tel Port

Program 39 – Flexible Button Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: See Program 38

* # * # 1 * 2 * 3 - Spkr 3 9 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Port Number [] [] []
 Enter the port number(s) to which class of service must be assigned.
 To add a port range, enter XXX*XXX (low port * high port).

Code [] [] []
 Press LED Button to be defined.

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Port No. _____	10 <input type="checkbox"/>	LCD <input type="checkbox"/>	
	20 <input type="checkbox"/>	DIU <input type="checkbox"/>	
Location:			
Button	Code	Button	Code
10		20	
09		19	
08		18	
07		17	
06		16	
05		15	
04		14	
03		13	
02		12	
01		11	

Directory Number Button Assignments



Enter the logical port number of the telephone that will be assigned a [DN] button.

Press the telephone button to which the [DN] button should be assigned.

...or

YYY = the Program 04 Port Number (000~336) of the [DN] that should be assigned. If YYY=XXX, then the [DN] is the [PDN]; if YYY does not = XXX, then the [DN] is an [SDN].

ZZZ = the Program *04 Port Number (500~835) of the [PhDN] that should be assigned.

Button Type	Button Labels	Code	Notes
Primary Directory Numbers [PDNs] 4-Maximum of same [PDN] per telephone	[PDN] NNNN - 1, Highest button [PDN] NNNN - 2, next highest [PDN] NNNN - 3, next highest [PDN] NNNN - 4, Lowest button	##YYY ##YYY ##YYY ##YYY	YYY = the Program 04 station logical port number of the [DN] that should appear as a [PDN]. YYY should be the same port number as the port number (XXX) of the telephone to which the [PDN] is assigned. NNNN is the actual [DN] assignment for Port YYY in Program 04.
Secondary Directory Numbers [SDNs] 16 total [PDNs] + [SDNs]; 4-Maximum of same [SDN] per telephone	[SDN] NNNN - 1, Highest button [SDN] NNNN - 2, next highest [SDN] NNNN - 3, next highest [SDN] NNNN - 4, Lowest button	##YYY ##YYY ##YYY ##YYY	YYY = the Program 04 station logical port number of the [DN] that should appear as a [SDN]. YYY should not be the same port number as the port number (XXX) of the telephone on which the [SDN] is assigned. NNNN is the actual DN assignment for Port YYY in Program 04.
Phantom Directory Numbers [PhDNs] 8-Maximum unique [PhDNs] 1-Maximum of same [PhDN] per telephone	[PhDN] NNNN	##ZZZ	ZZZ = the Program *04 Port ref. number of the [PhDN]. NNNN is the actual [DN] assignment for Port ZZZ in Program *04. Each [PhDN] must have an owner telephone assigned in Program *33. If an owner is not assigned, the [PhDN] can originate but cannot receive calls.
Phantom Directory Number Message Waiting button [PhDN] 4- maximum [PhDN/MW] per telephone	[PhDN/MW] - 1 Lowest [PhDN] [PhDN/MW] - 2 Next Highest [PhDN/MW] - 3 Next Highest [PhDN/MW] - 4 Highest [PhDN]	423 424 425 426	Message Waiting Key for [PhDNs] assigned to telephone. Telephone must be assigned as [PhDN] owner in Program *33 to allow it to be equipped with a [PhDN/MW] button.

Directory Number Programming Example

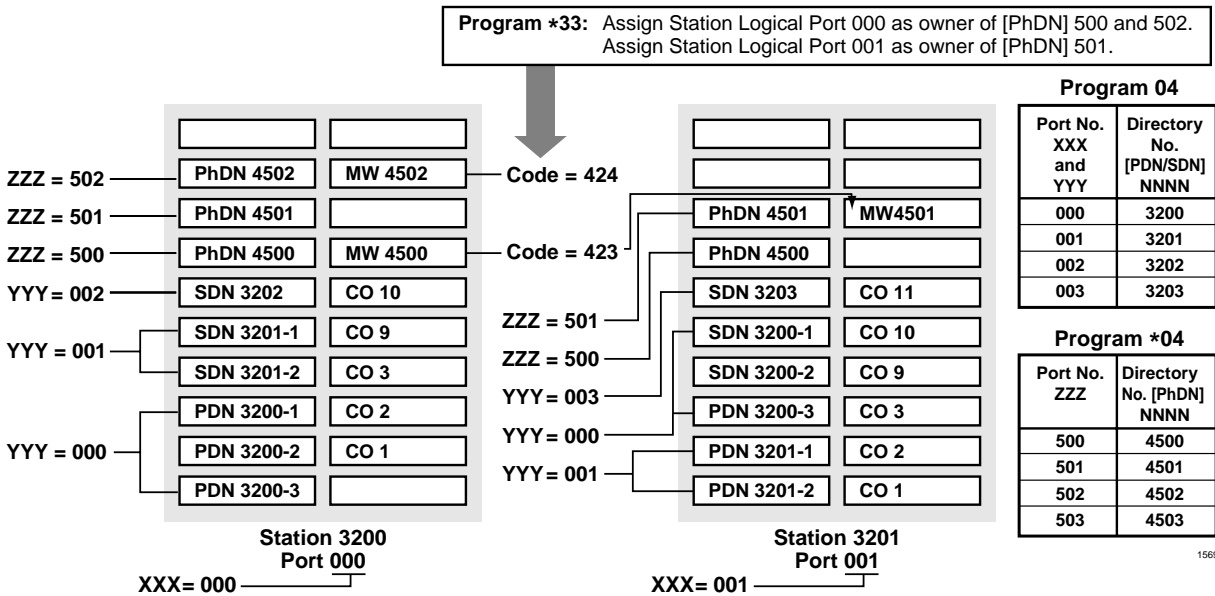


Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones

Button Function	Button Labels	Code	Notes
Account Code	Account Code or ACCNT	450	Allows a Voluntary Account Code entry.
Alarm ¹	Alarm Reset or ALRM	477	Resets alarm condition system-wide.
Alert Signaling (see following pages) ¹			
All Call Voice Page	All Call Page or AC	489	Pages up to 120 idle electronic or digital telephones over speaker.
Automatic Busy Redial	Auto Busy Redial or ABR	470	Sets ABR of busy outgoing number.
Automatic Callback Busy	Auto Callback or ACB	494	Sets ACB for station recalled by busy line.
Background Music ¹	Tel Set Music or BGM	478	Turns BGM ON or OFF through station speaker.
Call Forward All Calls	Call Frwd All Calls or CFAC	487	All calls forward to selected station.
Call Forward A.C. Fixed	Call Frwd to: or CFF	486	Forwards all calls to pre-defined destination. See Program 36.
Call Forward Busy	Call Frwd Busy or CFB	459	Forwards calls to selected station if station is busy.
Call Forward Busy/No Answer	Call Frwd Busy/NAAns or CFB/NA	457	Forwards calls to selected station if station is busy or does not answer.
Call Forward External	Call Frwd External or CF-EXT	460	Forward calls externally.
Call Forward No Answer	Call Frwd No Answer or CFNA	458	Forwards calls to selected station if station does not answer.
Call Park ²	Park in Orbit or PARK (R3)	464	Call Park Only.
Call Park LCD Display ¹	Park Orbit Display or CPD (R3)	465	CP Display Button and Mode 64 can be used interchangeably. Displays call parked via telephone LCD.
Call Park and Page	Call Park/Page or CP/PG (R3)	463	Parking and Paging Park Pickup.
Call Pickup (Directed)	Directed Pickup or PKUP	484	Picks up ringing or held intercom, trunk calls, and page.
Call Pickup Tenant 4 ³	PKUP 4	435	Picks up tenant's ringing CO calls. See Program *15 for Tenant Group assignments.
Call Pickup Tenant 3 ³	PKUP 3	436	
Call Pickup Tenant 2 ³	PKUP 2	437	
Call Pickup Tenant 1 ³	PKUP 1	438	
Call Pickup (Group) ²	Group Pickup	480	Picks up a call to any group to which station is assigned in *31.
Unanswered Caller ID and/or ANI Stored Number Auto Dial ¹	Lost Call Auto Dial (R3) or LCAD	462	Will Auto Dial a Caller ID and/or Automatic Number Identification (ANI) telephone number that was stored in station Caller ID/ANI memory.

Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones (continued)

Button Function	Button Labels	Code	Notes
CO Line Appearance	Line 1~200 or CO 001~CO 200	001~200	CO line access of appearing calls.
Data ¹	Data Call or DATA	456	Used to place data call.
Data Release ¹	Data Release or DRLS	454	Releases data call.
Direct Station Selection	DSS	#000~#239	Assigns DSS hotline keys to port number.
Directory Numbers (see following pages)			
Do Not Disturb ⁴	Do Not Disturb or DND	498	Prevents calls to station.
Door Lock 0 ~4 (DDCB/HDCB) ¹	Unlock Door 0 or DRLK 0 Unlock Door 1 or DRLK 1 Unlock Door 2 or DRLK 2 Unlock Door 3 or DRLK 3 Unlock Door 4 or DRLK 4	471 472 473 474 475	Momentarily unlocks door (3 or 6 seconds). See Program 77-1 and 77-2.
Handset Off-Hook Call Announce ¹	HS-OCA	468	Activates 2-way voice path to Off-Hook Call Announce caller. (R3)
ISDN Sub-address	Sub-address	467	Separates the called party's ISDN sub-address from the called party number. The # digit performs this function on standard telephones.
ISDN Start	Start	469	Initiates DK to send dialed digits to the ISDN network when this button is pressed from a digital or electronic telephone. Program *63-2 invokes the same function when the Dial Timer expires. Also see Tone Button in this table.
LCD Message Select	LCD Msg Select or LCD M	481	Begins LCD message selection.
Message Waiting and Flash	Msg Wait, Flash or MW/FL	499	Provides message waiting LED for EKT and Flash Button.
Microphone Cutoff ⁵	Microphn Cut-off or MCO	488	Sets microphone ON/OFF for incoming handsfree Directory Number [DN] calls.
Modem ¹	Modem or MODEM	455	Used to reserve modem in modem pool.
Night Transfer Tenant 1 ³	Night Transfer1 or NT1	439	Sets Tenant CO line DAY/NIGHT ring mode.
Night Transfer Tenant 2 ³	Night Transfer2 or NT2	440	
Night Transfer Tenant 3 ³	Night Transfer3 or NT3	441	
Night Transfer Tenant 4 ³	Night Transfer4 or NT4	442	
Night Transfer Lock Tenant 1	Night Lock1 or NT1 L1	431	Available with RCTUA3, RCTUBA3/RCTUBB3 or RCTUC/D3 Release 3 or above only. Used to lock system ringing mode: DAY, DAY2, NIGHT See Programs 74 and *36 for NT Lock Password assignments.
Night Transfer Lock Tenant 2	Night Lock2 or NT2 L2	432	
Night Transfer Lock Tenant 3	Night Lock3 or NT3 L3	433	
Night Transfer Lock Tenant 4	Night Lock4 or NT4 L4	434	
Pause ¹	Spd Dial Pause or PAU	495	Sets pause in Speed dial See Program 12-3.
Pause (Long) ¹	Spd Dial Lng Pause or PAU/L	493	Sets a 10-second pause in Speed Dial.
Pooled Line	Pooled Line Grp or PL	301~316	Multiple CO line may appear under one button.
Privacy	Privacy On Line or PRIV	453	Prevents Privacy Override (not Executive Override).
Privacy Release	Privacy Release or PRV RLS	479	Changes station Privacy mode to Non-private for CO lines.
Redial Last Number (# Button)	Redial or RDL	496	Redials the last number.
Release to Idle	Release Call or RLS	476	Releases current call and makes station idle.
Release and Answer	Release and Ans or RLS/ANS	466	Simulates On-hook/Off-hook operation to release an existing call and answer new incoming/ringing call.
Save Last Dialed Number	Save Last Number on SAVE	485	Saves last number dialed for future speed dial.
Speed Dial Select (* Button) ⁶	Speed Dial or SDS	497	Begins speed dial selection.
Station Speed Dial Codes ⁶	SD (All DK systems)		Reserves button for station speed dial. Station Speed Dial code ranges vary per processor:
		* 10~* 49	DK14, DK40i, RCTUA
		* 10~* 49	RCTUBA/BB, RCTUC/D
		* 100~* 139	RCTUE/F

Table 1 Feature Button Codes for Digital, Electronic, and Strata AirLink Wireless Telephones (continued)

Button Function	Button Labels	Code	Notes
System Speed Dial Codes ⁶	SD		Speed dial number set by station port 000. System Speed Dial code ranges vary per processor:
		*60~ *99	DK14, DK40i, RCTUA
		*600~ *699	RCTUBA/BB, RCTUC/D
		*200~ *999	RCTUE/F
Tone ¹	Tone Dial Select or TONE	490	CO dial signals set to tone or pulse.

1. Unavailable to Strata AirLink handsets (RWIU/WWIS interface).
2. Picks up calls to telephones in any call pickup group to which the telephone is assigned in Program *31.
3. See Program *15 for Tenant Group assignments.
4. The Strata AirLink handset (RWIU/WWIS interface) displays DND, but no warning tone is enabled for Executive or Busy Override.
5. The Strata AirLink handset (RWIU/WWIS interface) has mute only.
6. Both wireless system handsets (RWIU and Base Station Interface Adapter) only have an internal memory Speed Dial capability.

The Strata AirLink “call” button is set using Program 39, key 01. It must be set as the PDN of the handset.

Strata AirLink handset buttons 1~6 when used with the FCN button are set using Program 39, keys 02~07 respectively.

Alert Signal Button Assignments

* # * # 1 * 2 * 3 - Spkr 3 9 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Enter the logical port number of the telephone that will be assigned an **Alert Signal** button.

YYY = the Program 39 code for the **Alert Signal** button that should be installed.

Press the telephone button to which **Alert Signal** should be assigned.

Station Number: _____

Alert Signal Button		Button Number (01~20)	Speed Dial Number	Alert Signal Button Partner Station Number
No.	Code			
1	427			
2	428			
3	429			
4	430			

Station Number: _____

Alert Signal Button		Button Number (01~20)	Speed Dial Number	Alert Signal Button Partner Station Number
No.	Code			
1	427			
2	428			
3	429			
4	430			

Program *41 for DK424 – T1 Assignment Series (Part 1)

Processor Type: RCTUBA/BB, RCTUC/D and RCTUE/F

Program Type: System

Initialized Default: See each program

Program *41-1 – T1 Span (RDTU) Frame and Line Code Assignments

Initialized Default: LED 01 and LED 02 OFF for all T1 span lines

* # * # 1 * 2 * 3 - Spkr * 4 1 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 _____
 Select the RDTU being programmed (1-8) _____
 _____ LEDs 01 and 02
 Set as described below.

T1 Span	Extended Superframe LED 01 ON	Superframe LED 01 OFF	B8ZS LED 02 ON	AMI Code LED 02 OFF
1 RDTU				
2 RDTU				
3 RDTU				
4 RDTU				
5 RDTU				
6 RDTU				
7 RDTU				
8 RDTU				

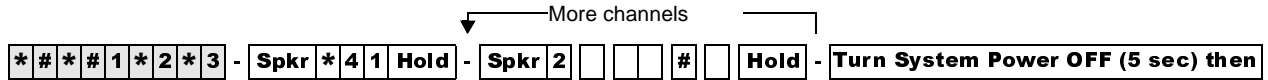
System & Station

System & Station

Program *41 for DK424 – T1 Assignment Series (Part 1)

Program *41-2 – T1 Channel Assignments

Initialized Default: 1 = Loop Start



SELECT = 2

Enter the RDTU being programmed (1~8).

Enter the RDTU channel number (01~24) to be assigned a line type.

To add a port range, enter XXX*XXX (low port * high port).

or...

Run Program 91-2

Enter the line type to be assigned to the RDTU channel:

- 1 = Loop Start (initialized) 4 = Tie (Wink)
- 2 = Ground Start 5 = DID (immediate)
- 3 = Tie (immediate) 6 = DID (Wink)

See Programs 17 and 71 for other Tie/DID assignments;

See Program *17 and Program *09 for other DID assignments.

Processor	Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

RDTU: _____ Slot: _____

RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

RDTU: _____ Slot: _____

RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

RDTU: _____ Slot: _____

RDTU Channel No.	Line Type
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Program *41-3 – T1 Span Transmit Level Pad Assignments

Initialized Default: 5 (-6dB)

* # * # 1 * 2 * 3 - Spkr * 4 1 Hold - Spkr 3 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 3 ————
 Enter the RDTU being programmed (1-8).
 Enter one of the following pad codes for the transmission of path:

RDTU No.	1	2	3	4	5	6	7	8
PAD Code								

- 1 = +6 dB pad
- 2 = +3 dB pad
- 3 = 0 dB pad
- 4 = -3 dB pad
- 5 = -6 dB pad (Initialized: PAD_S = 5)
- 6 = -9 dB pad
- 7 = -12 dB pad
- 8 = -15 dB pad

Program *41-4 – T1 Span Receive Level Pad Assignments

Initialized Default: 4 (-3dB)

* # * # 1 * 2 * 3 - Spkr * 4 1 Hold - Spkr 4 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 4 ————
 Enter the RDTU being programmed (1-8).
 Enter one of the following pad codes for the transmission of path:

RDTU No.	1	2	3	4	5	6	7	8
PAD Code								

- 1 = +6 dB pad
- 2 = +3 dB pad
- 3 = 0 dB pad
- 4 = -3 dB pad
- 5 = -6 dB pad (Initialized: PAD_R = 4)
- 6 = -9 dB pad
- 7 = -12 dB pad
- 8 = -15 dB pad

Program *42 for DK424 – T1 Assignment Series (Part 2)

See “Program *42 – Clock Source” on Page 162.

Program *50 – Caller ID Circuit Assignments to CO Line PCBs

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: No RCIU/RCIS circuits assigned

* # * # 1 * 2 * 3 - Spkr * 5 0 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Processor	CO Line Range
DK14	001-004
DK40i	001-012
RCTUA	001-016
RCTUBA/BB	001-048
RCTUC/D	001-144
RCTUE/F	001-200

Run Program 91-2

System power must be cycled or Program 91-2 must be run after completing *50 data entry to transfer data from temporary memory to working memory.

CIUNO = RCIU/RCISU Caller ID circuit number (001-200) or use LED Button 01 to erase data. For DK14, enter the Caller ID interface box line number (001-004).

Any Caller ID circuit can be assigned to any analog ground or loop start CO line circuit. Circuit numbers do not have to match.

CO Line Number	RCIU/RCIS Circuit Number Assigned	CO Line Number	RCIU/RCIS Circuit Number Assigned	CO Line Number	RCIU/RCIS Circuit Number Assigned

Program *51 – Station Memory Allocation for Storing Caller ID/ANI Numbers on Abandoned/ Unanswered Calls

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: No memory for all ports

* # * # 1 * 2 * 3 - Spkr * 5 1 Hold - Spkr [] [] [] # [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Processor	Station Ports
DK14	000-007
DK40i	000-027
RCTUA	000-031
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

To add a port range, enter
XXX*XXX (low port * high port).

BUF = 000, 010, 020, 030, 040, 060, 070, 080, 090 or 100.

This is the number of telephone numbers that can be stored at the designated port(s). The maximum Caller ID/ANI numbers that can be stored per telephone is 100.

IDL = Total number of Caller ID/ANI Telephone Numbers Available in each system

DK14	200
DK40i	200
RCTUA	200
RCTUBA/BB	400
RCTUC/D	1000
RCTUE/F	2000

Station Logical Port Number	Memory Allocation (100 max each)	Station Logical Port Number	Memory Allocation (100 max each)	Station Logical Port Number	Memory Allocation (100 max each)

System & Station

Program 58 – DK424 Attendant Console Series (Part 1)

Processor Type: RCTUBA/BB, RCTUC/D and RCTUE/F

Program Type: Station

Initialized Default: see each program

Program 58-1 – Attendant Console Overflow Timer

Initialized Default: 32 seconds



SELECT = 1 — DATA = 011-999 seconds
DATA =

Program 58-2 – Attendant Console Display Type

Initialized Default: All LEDs OFF



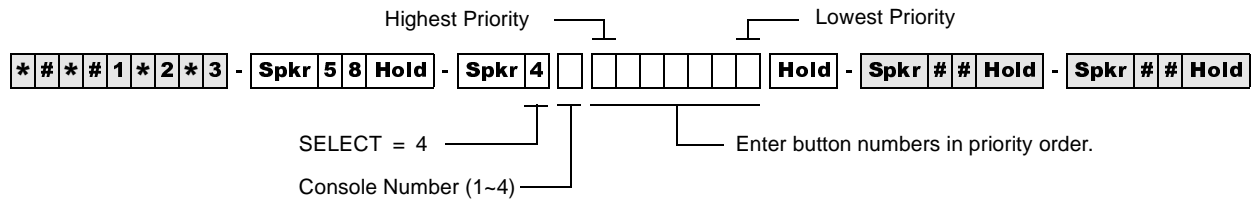
SELECT = 2 — LED Button 01 ON for EL or OFF for EGA display
Console Number (1-4) — LED Button 02 ON sets Answer Button operation for First In/First Out (FIFO) or priority per Program 58-4
LED Button 03 ON sets Attendant Console Call Waiting Tone

Attendant Console	Button 01 LED		Button 02 LED		Button 03 LED	
	ON (EL)	OFF (EGA)	ON (FIFO)	OFF (58-4)	ON (Call Waiting Tone)	OFF (No Call Waiting Tone)
1						
2						
3						
4						

System & Station

Program 58-4 – Attendant Console Answer Button Priority Assignments

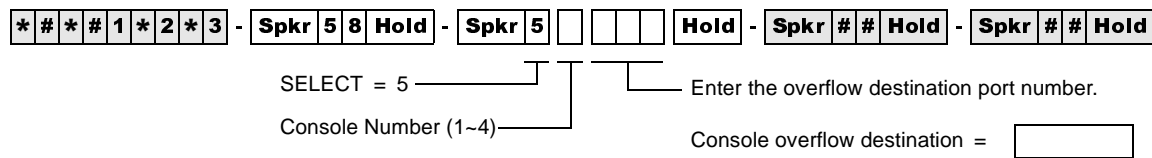
Initialized Default: 0, 1, 2, 3, 4, 5, 6



Button Name	Park-RC	Trans RC	Hold-RC	In-Trans	LINE	In Dial "O"	[PDN]
Button Number	0	1	2	3	4	5	6

Program 58-5 – Attendant Console Overflow Destination Assignments

Initialized Default: Blank



Processor	[PDN] Port Range	Max. Consoles
RCTUBA/BB	000-079	2
RCTUC/D	000-239	4
RCTUE/F	000-335	4

Program 59 – Attendant Console Flexible Button Codes

Processor Type: RCTUBA/BB, RCTUC/D, RCTUE/F

Program Type: Station

Initialized Default: Given throughout this section



Attendant Console (1-4)

1 = Left
2 = Right

DATA = Button Code
See legend.

Press LED Buttons 01-12 on Programming Telephone to enter data for corresponding console button.

Codes (Left Buttons 1-12)

Split (295)	Join Loop (239)	Sup. Loop (296)
In-Emrg (261)	In-DN (257)	In-Dial "0" (262)
In-Trans (258)	Trans-RC (260)	Hold-RC (259)
In-LG3 (243)	In-LG2 (242)	In-LG1 (241)

Codes (Right Buttons 1-12)

Conf (297)	Overflow (299)	Night (439)
Redial (496)	Spdial (497)	SD13 (*13)
BLF (298)	Out Dial (294)	SD12 (*12)
Attd Call (000)	SD10 (*10)	SD11 (*11)

Console 1

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 2

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 3

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Console 4

Left

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Right

10		11		12	
07		08		09	
04		05		06	
01		02		03	

Table 2 Required PC Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Conference	Conf	297	Starts conference calls.
Hold Recall	Hold-RC	259	Held calls recall on this button.
Incoming Dial "0"	In-Dial "0"	262	Dial "0" calls ring in on this button.
Incoming Directory Number	In-DN	257	Incoming calls to the console DN ring on this button. The console [DN] is the Prog 04 assignment of the Prog 04 console port number.
Incoming Ring Transfer	In-Trans	258	Receive call transfer.
Join-Loop	Join-Loop	293	Connects any held call to an existing call.
Out Dial	Out Dial	294	Switches ATTD consoles dial pad from digital to tone mode.
Redial Last Number (# Button)	Redial or RDL	496	Redials the last number.
Release to Idle	Release Call or RLS	476	Releases current call and makes station idle.
Speed Dial Select (* Button)	Speed Dial or SDS	497	Begins speed dial selection.
Split Call	Split	295	Allows attendant to talk to either party separately on a conference call.
Supervised Loop	Sup Loop	296	Places call on attendant hold loop key so attendant can supervise call.
Transfer Recall	Trans-RC	260	No answer transferred calls, recall on this button.
Attendant Call	Attd Call	000	Can originate calls on this button. The Attendant Call LED is lit red any time the attendant talk path is connected.

Table 3 Recommended PC Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Display BLF	BLF	298	Displays BLF on CRT or EL display.
Incoming Emergency	In-Emrg	261	Indicates to all consoles an incoming emergency call.
Message Waiting/Flash	Msg Wait, Flash or MW/FL	499	Indicates a message from station or VM device to Attendant. Disconnects and recalls dial tone on CO line; accesses Centrex or PBX features; enters pause or flash during speed dial programming.
Overflow	Overflow	299	Places console in the call overflow mode.
Park Recall	Park-RC	263	Parked calls recall on this button.

Table 4 Incoming Line Group Button Assignments

In-LG1~241	In-LG5~245	In-LG9~249	In-LG13~253
In-LG2~242	In-LG6~246	In-LG10~250	In-LG14~254
In-LG3~243	In-LG7~247	In-LG11~251	In-LG15~255
In-LG4~244	In-LG8~248	In-LG12~252	In-LG16~256

Table 5 Optional Attendant Console Button Codes

Button Function	Button Labels	Code	Notes
Alarm	Alarm Reset or ALRM	477	Resets alarm condition system-wide.
Call Pickup Tenant 1~Call Pickup Tenant 4	PKUP 1~PKUP 4	435~438	Picks up tenant 3's ringing CO calls.
CO Line Appearance	Line 1~48 Line 1~144 Line 1~200	001~048 001~144 001~200	CO line access of appearing calls. CO line ranges vary according to processor: RCTUBA/BB RCTUC/D RCTUE/F
Door Lock 0~Door Lock 4 (DDCB/HDCB)	DRLK 0~4	471~475	Momentarily unlocks door (3 or 6 seconds). The PC attendant activates these options when these buttons are assigned.
Emergency Page Access	Emrg Page	292	Activates ALL CALL Paging to telephone speakers (not EXTR Page). Overrides any existing ALL CALL page.
Night Transfer Tenant 1~Tenant 4	Night Transfer1 or NT1~Night Transfer4 or NT4	439~442	Sets Tenant 1 CO line DAY/NIGHT ring mode.
Privacy	Privacy On Line or PRIV	453	Prevents Privacy Override (not Executive Override).
Privacy Release	Privacy Release or PRV RLS	479	Changes station Privacy mode to Non-private for CO lines.
Pause	Spd Dial Pause or PAU	495	Sets pause in Speed dial (see Program 12-3.)
Pause (Long)	Spd Dial Lng Pause or PAU/L	493	Sets a 10-second pause in Speed Dial.
Unanswered Caller ID and/or ANI Stored Number Auto Dial	Lost Call Auto Dial or LCAD	462	Will Auto Dial a Caller ID and/or Automatic Number Identification (ANI) telephone number that was stored in station Caller ID/ANI memory.

Table 6 Additional Feature Button Codes

Button Function	Button Labels	Code	Notes
Account Code	Account Code or ACCNT	450	Allows a Voluntary Account Code to be entered.
Alert Signaling	Alert 1~4	427~430	Console can alert another station but another station cannot alert the console. See Program 39 for more information.
All Call Voice Page	All Call Page or AC	489	Pages up to 120 idle electronic or digital telephones over speaker.
Automatic Busy Redial	Auto Busy Redial or ABR	470	Sets ABR of busy outgoing number.
Automatic Callback Busy	Auto Callback or ACB	494	Sets ACB for station recalled by busy line.
Call Forward All Calls	Call Frwd All Calls or CFAC	487	All calls forward to selected station.
Call Forward A.C. Fixed	Call Frwd to: or CFF	486	Forwards all calls to pre-defined destination. See Program 36.
Call Forward Busy	Call Frwd Busy or CFB	459	Forwards calls to selected station if station is busy.
Call Forward Busy/ No Answer	Call Frwd Busy/NAAns or CFB/NA	457	Forwards calls to selected station if station is busy or does not answer.
Call Forward External	Call Frwd External or CF-EXT	460	Forward calls externally.
Call Forward No Answer	Call Frwd No Answer or CFNA	458	Forwards calls to selected station if station does not answer.
Call Park	Park in Orbit or PARK	464	Call Park Only.
Call Park LCD Display	Park Orbit Display or CPD	465	CP Display Button and Mode 64 can be used interchangeably. Displays call parked via telephone LCD.
Call Park and Page	Call Park/Page or CP/PG	463	Parking and Paging Park Pickup.
Call Pickup (Directed)	Directed Pickup or PKUP	484	Picks up ringing or held intercom, trunk calls, and page.
Call Pickup (Group)4	Group Pickup	480	Picks up a call to any group to which station is assigned in *31.
Do Not Disturb	Do Not Disturb or DND	498	Prevents calls to station.
ISDN Sub-address	Sub-address	467	Separates the called party's ISDN sub-address from the called party number. The # digit performs this function on standard telephones.
ISDN Start	Start	469	Initiates DK to send dialed digits to the ISDN network when this button is pressed from a digital or electronic telephone. Program *63-2 invokes the same function when the Dial Timer expires. Also see Tone Button in this table.
LCD Message Select	LCD Msg Select or LCD M	481	Begins LCD message selection.

Table 6 Additional Feature Button Codes (continued)

Button Function	Button Labels	Code	Notes
Night Transfer Lock Tenant 1~Night Transfer Lock Tenant 4	Night Lock1 or NT1 L1~Night Lock4 or NT4 L4	431~434	Used to lock system ringing mode: DAY, DAY2, NIGHT See Programs 74 and *36 for NT Lock Password assignments.
Release and Answer	Release and Ans and RLS/ANS	466	Simulates On-hook/Off-hook operation to release an existing call and answer new incoming/ringing call.
Save Last Dialed Number	Save Last Number or SAVE	485	Saves last number dialed for future speed dial.
Station Speed Dial Codes	SD	*10~*49 *10~*49 *100~*139	Reserves button for station speed dial for the following processors: RCTUBA/BB RCTUC/D RCTUE/F
System Speed Dial Codes	SD	*600~*699 *600~*699 *200~*999	Speed dial number is set by station port 000. RCTUBA/BB RCTUC/D RCTUE/F
Tone	Tone Dial Select or TONE	490	CO dial signals set to tone or pulse. For ISDN applications, after the user presses the Tone Dial Select button, any digits dialed after it will be sent using DTMF tones.

Program 60-1 – SMDR Data Output Options

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: LED 01 OFF

* # * # 1 * 2 * 3 - Spkr 6 0 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 Light the LED Buttons that are marked with an X in the table below.

LED/Button	X	LED ON	LED OFF
20			
19			
18			
17			
16			
15			
14			
13			
12			
11			
10			
09			
08			
07			
06			
05			
04			
03			
02			
01		Caller ID, ANI and DNIS data will be sent from the system SMDR port	Account code data will be sent from the system SMDR port

Program 60-2~7 – SMDR Output/Account Code Digit Length

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Item 2: 10 seconds
 Item 3: SMDR output is enabled for answered incoming/outgoing calls
 Item 4: a 6-digit length is assigned to all Forced/Voluntary Account Codes
 Item 7: 21 digits



SELECT = 2-7 (Item) ——— See table below.
 Make a selection from the table below.

Item	Description	Data
2	SMDR Threshold Time 0 = 1 second 1 = 10 seconds	Time
3	SMDR Output when a call is completed 0 = Outgoing Only 1 = Incoming and Outgoing	SMDR COR
4	Forced/Voluntary Account Code Digit Length 04-15 (See Program 69 for Verified Account Codes) Digits are verified per Program 30, Button/LED 14 and Program 69	Account
5	SMDR Printout Options Toll Dial: 0 = All Calls (item 3, printout outgoing call only is still available) 1 = Dial "0" calls only 2 = Dial "1" calls only 3 = Dial "00" calls only 4 = Dial "1", "0" calls only 5 = Dial "1", "00" calls only	Toll Dial Data
6	DISA Security Code 01-15 digits, may be changed from station, per Program 30 If a security code is not programmed, outgoing trunk access via DISA will not require a security code when dialing.	Data Button 01 = blank Button 02 is wild card (any digit from 1-9)
7	Credit Card Call Digit Length, 01-30 digits (see Program 43)	Credit Number of digits required when "0" is the first digit dialed; if this number of digits is not dialed, the system will disconnect the call after 20 seconds. "0" is counted as a digit. Example: 0 + 714 + 583 - 3700 = 11 digits; 11 should be programmed as a minimum in this case.

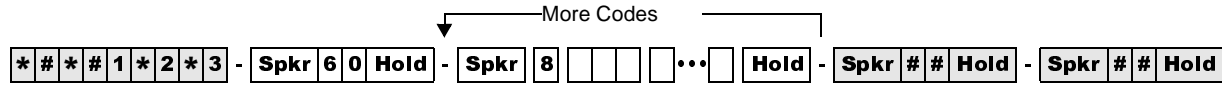
System & Station

Program 60-8 – Call Forward External (Remote Change, Security) ID Code

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: No digits



SELECT = 8
 Telephone port number to which the CF Ext ID (security) code will be assigned.

DATA = ID code (1-15 digits)
 When entering less than 15 digits, enter digits, then press Hold.
 LED Button 01 = blanks, erases data
 LED Button 02 = a wild card (can be any digit from 1-9)

Processor	[PDN] Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	[PDN] Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Telephone Port Number	CF/EKT ID Code (1-15 digits)

Telephone Port Number	CF/EKT ID Code (1-15 digits)

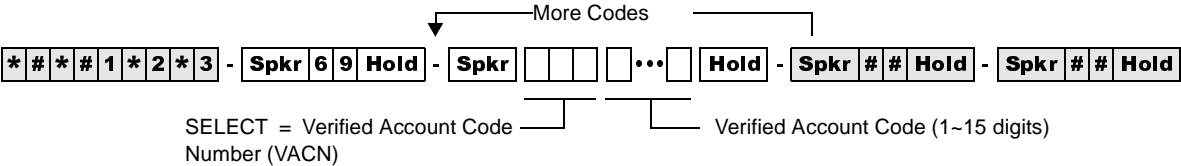
Telephone Port Number	CF/EKT ID Code (1-15 digits)

Program 69 – Verified Account Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Blank



Processor	VACN
DK14	000~299
DK40i	000~299
RCTUA	000~299

Processor	VACN
RCTUBA/BB	000~299
RCTUC/D	000~299
RCTUE/F	000~499

Name	VACN (3-digit)	Verified Account Code (1~15 digits)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

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Program 70 – Verified Account Code Toll Restriction Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: 000 for all VACNs



SELECT = Verified Account Code Number (VACN)

DATA = VAC Digit Restriction
 0 = No Digit Restriction
 1 = Digit Restriction

VAC Restrict Code (00-10)

00 =No Station Toll Restriction

01 =Area Code Toll Restriction

02 =Area Code Toll Restriction and 0 or 1 as 1st (or 2nd digit)

03 =Class 1 T.R.07 = Class 5 T.R.

Processor	VACN
DK14	000-299
DK40i	000-299
RCTUA	000-299

Processor	VACN
RCTUBA/BB	000-299
RCTUC/D	000-299
RCTUE/F	000-499

VACN	VAC Digit Restrict Code	VAC Restrict Code

VACN	VAC Digit Restrict Code	VAC Restrict Code

VACN	VAC Digit Restrict Code	VAC Restrict Code

Program 71 DNIS

Processor Type: DK40i, all RCTUs
 Program Type: System
 Initialized Default: All Programs blank

DNIS Addresses

Processor	DNIS Address	ANI Address
DK14	NA	NA
DK40i	000~199	199
RCTUA	000~199	199

Processor	DNIS Address	ANI Address
RCTUBA/BB	000~349	349
RCTUC/D	000~499	499
RCTUE/F	000~499	499

Program 71-0: DID / Tie / DNIS / ANI Lines

* # * # 1 * 2 * 3 - Spkr 7 1 Hold - Spkr 0 [] [] [] [] [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

DNIS Address (see legend above) ————— DNIS Number (2~5 digits)

Press LED Button 01 to blank out data.

Program 71-1~3: DNIS Number and ANI Line Routing Assignments

* # * # 1 * 2 * 3 - Spkr 7 1 Hold - Spkr [] [] [] [] [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Enter 1, 2, or 3 —————

- 1 = Day Ring Assignment
- 2 = Day2 Ring Assignment
- 3 = Night Ring Assignment

Ringing Destination (see legend below)

Use LED Button 01 to blank out data.

DNIS Address (see legend above)

For ANI-only lines, enter address (only one assignment is provided for ANI lines without DNIS, see legend above).

DNIS/ANI Routing Destinations

Route to Ports	[PDN]	[PhDN]	DH [DN]	ACD	IMDU/RMDS	Network Table
DK40i	0000~0027	0500~0527	0900~0915	NA	#031	#300~#399
RCTUA	0000~0031	0500~0531	0900~0915	NA	#035	#300~#399
RCTUBA/BB	0000~0079	0500~0589	0900~0915	#090~#097	#085	#300~#499
RCTUC/D	0000~0239	0500~0739	0900~0915	#250~#265	#245	#300~#599
RCTUE/F	0000~0335	0500~0835	0900~0915	#345~#360	#340	#400~#699

All Processors: External Page = #039
 All processors except RCTUE/F: Night Ring Over External Page = #271
 Night Ring Over External Page for RCTUE/F = #366

Program 71-4: DNIS and ANI Only Lines Voice Mail ID Assignments

* # * # 1 * 2 * 3 - Spkr 7 1 Hold - Spkr 4 [] [] [] [] [] [] [] [] ... [] [] [] [] [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

DNIS Address (see legend above) ————— VM ID Code

Important! DNIS VM ID codes operate with in-band DTMF tone VM integration only; not with SMDI VM integration.

Enter VM ID code that should be sent to Voice Mail when the selected DNIS number Call-Forwards or rings directly to Voice Mail (1~16 digits).

Press LED Button 02 to enter *
 Press LED Button 03 to enter #
 Press LED Button 04 to enter Pause

Program *71~*73 – [DN] to [DN], Tie to [DN], and DID to [DN] Ringing Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: [PDNs] are programmed to immediately ring their respective telephones in Program *71; no other default ringing assignments are made.

* # * # 1 * 2 * 3 - Spkr * 7 Hold - Spkr # EK Button Hold - Spkr # # Hold

Enter:
 1 = Immediate Ring
 2 = Delay 1 Ring (12 sec. delay)
 3 = Delay 2 Ring (24 sec. delay)
 To add a port range, enter
 XXX*XXX (low port * high port).

Press the button associated with the telephones (EKs) that should ring when the selected [DN] is called.
 Port Reference Number of that should ring [PDN] or [PhDN]
 Press **Scroll** to advance or **Page** to go back.
 Press Vol▲ to turn all LEDs ON.
 Press Vol▼ to turn all LEDs OFF.

Processor	[PDN] Port	[PhDN] Port
DK14	000-009	500-509
DK40i	000-027	500-527
RCTUA	000-031	500-531

Processor	[PDN] Port	[PhDN] Port
RCTUBA/BB	000-079	500-589
RCTUC/D	000-239	500-739
RCTUE/F	000-335	500-835

[DN] Port Reference Number	EK Telephone Ports (The Program 04 [PDN] port number of the telephones that should ring.)

Program 72 – DNIS Number Network Table Assignments

Processor Type: *DK40i, All RCTUs*

Program Type: *System*

Initialized Default: *Blank*

*** # * # 1 * 2 * 3** - **Spkr 7 2 Hold** - **Spkr** [] [] [] **...** [] [] **Hold** - **Spkr # # Hold** - **Spkr # # Hold**

Network Table Number

Line Access Code and Network Telephone Number (1-27 digits)

Any type line can be accessed (ground, loop, Tie, and/or DID) to send a DNIS call back out over the telephone network.

Press LED Button 02 to enter *****.
 Press LED Button 03 to enter **#**.

Route to Ports	Network Table Number	Total DNIS Network Number
DK14	NA	NA
DK40i	300-399	100
RCTUA	300-399	100

Route to Ports	Network Table Number	Total DNIS Network Number
RCTUBA/BB	300-499	200
RCTUC/D	300-599	300
RCTUE/F	400-699	300

Network Table Number	Ground / Loop / Tie / DID Line Access Code and Network Telephone Number

Network Table Number	Ground / Loop / Tie / DID Line Access Code and Network Telephone Number

Program 74 – System NT Button Lock Password

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Port 000 for all tenants

* # * # 1 * 2 * 3 - Spkr 7 4 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

Tenant Number (1~4) DATA = Night Lock Password for selected Tenant (4-digits)

Tenant Number	NT Lock Password (4 Digits)			
1				
2				
3				
4				

System & Station

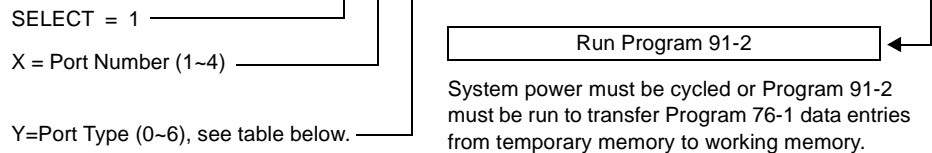
Program 76-1(X-Y) WSIU, TSIU and RSIU / RSIS / RMDS Transmission Rates

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Port 1 (Type 1), Ports 2~4 (Type 0)

* # * # 1 * 2 * 3 - Spkr 7 6 Hold - Spkr 1 [] [] Hold - Spkr # # Hold - Spkr # # Hold



Port Number	Port Type (0~6)
1	
2	
3	
4	

Program 76-2 (X-Z) – WSIU, TSIU and RSIU / RSIS / RMDS Transmission Rates

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All ports 2400 bps

* # * # 1 * 2 * 3 - Spkr 7 6 Hold - Spkr 2 [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2 ——— Z=Transmission Rate (1~4):
 X=Port (1~4) ———

1 = 9600 bps
 2 = 4800 bps
 3 = 2400 bps
 4 = 1200 bps

Port Number (x)	Data Transmission Rate (z)
1	
2	
3	
4	
	Total
	Note Total must be ≤ 9600 bps.

Program 77-1 – Peripheral Options (Door Phones) RSIU / RSIS / RMDS, PIOUS/PIOUS / IMDU, PEPU

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All LEDs are OFF



SELECT = 1 Light the LED Buttons that are marked with an X in the table below.

LED/ Button	X	LED ON	LED OFF
20		Door Lock Time/6 seconds	Door Lock Time/3 seconds
19		Port 028/DDCB 4 or HDCB 4 (DK424)	Port 028/Telephone (DK424)
18		Port 020/DDCB 3 or HDCB 3 (DK40i/DK424)	Port 020/Telephone (DK40i/DK424)
17		Port 012/DDCB 2 or HDCB 2 (DK424) Port 012/DDCB 2 or HDCB 2 (DK40i Expansion Unit) Port 003/DDCB 2 (DK14)	Port 012/Telephone (DK40i Expansion Unit, DK424). Port 003/Telephone (DK14).
16		Port 004/DDCB 1 or HDCB 1 (DK424) Port 004/DDCB 1 (DK40i) Port 002/DDCB 1 (DK14)	Port 004/Telephone (DK40i, DK424). Port 002/Telephone (DK14).
15		RMDS Modem Protocol CCIT (2400 bps)	RMDS Modem Protocol Bell212A (1200 bps)
14		RMDS/IMDU Modem (DN #19)/Enabled	RMDS/IMDU Modem (DN #19)/Disabled
10		Enable DKAdmin/Backup ACK/NAC Protocol	Disable DKAdmin/Backup ACK/NAC Protocol
08		Door Phone Ring on External Page in Night Mode	No Ring on External Page in Night Mode
07		Door Lock Relay Enabled	External Page Relay Enabled
06		NT Relay with NT1 and NT2 Button and Ringing CO Line	NT Relay Steady with NT1 Button (DK424 only)
05		MOH Relay Enabled	NT Relay Enabled
04		—	—
03		—	—
02		LED 02 applies to DK14/DK40i only. LED 01 has priority.	External Page on Base Unit Relay Enabled
01		LED 01 applies to DK14/DK40i only. MOH on Base Unit Relay Enabled	NT on Base Unit Relay Enabled

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Program 77-2 – Door Phone Busy Signal/Door Lock Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: All LEDs are OFF

* # * # 1 * 2 * 3 - Spkr 7 7 Hold - Spkr 2 ████ Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2  Light the LED Buttons that are marked with an X in the table below.

LED/ Button	X	LED ON	LED OFF
20		One Door Phone Ring	Five Door Phone Rings
19		—	—
18		—	—
17		—	—
16		DDCB4/HDCB4 B-jack is Lock Control #4 (DK424)	B is connected to Door Phone 4B
15		Door phone 4C Busy Out	No Busy Signal
14		Door phone 4B Busy Out	No Busy Signal
13		Door phone 4A Busy Out	No Busy Signal
12		DDCB4/HDCB3 B-jack is Lock Control #3 (DK40i/ DK424)	B is connected to Door Phone 3B
11		Door phone 3C Busy Out	No Busy Signal
10		Door phone 3B Busy Out	No Busy Signal
09		Door phone 3A Busy Out	No Busy Signal
08		DDCB4/HDCB2 B-jack is Lock Control #2 (DK424) DDCB2 B-jack is Lock Control #2 (DK40i, DK14)	B is connected to Door Phone 2B
07		Door phone 2C Busy Out	No Busy Signal
06		Door phone 2B Busy Out	No Busy Signal
05		Door phone 2A Busy Out	No Busy Signal
04		DDCB4/HDCB1 B-jack is Lock Control #1 (DK424) DDCB1 B-jack is Lock Control #2 (DK40i, DK14)	B is connected to Door Phone 1B
03		Door phone 1C Busy Out	No Busy Signal
02		Door phone 1B Busy Out	No Busy Signal
01		Door phone 1A Busy Out	No Busy Signal

Program 77-3 – Night Ringing Over PIOU External Page Zones

Processor Type: DK40i, All RCTUs

Program Type: System

Initialized Default: Zones 1~4 assigned to tenant 1

* # * # 1 * 2 * 3 - Spkr 7 7 Hold - Spkr 3 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 3
Enter a PIOU external page zone relay (1~4).

Enter the tenant (1~4) to be assigned with the zone entered in the preceding step.

These assignments apply to ground and loop start lines only; they do not apply to DID and Tie lines.

Tenant	Zone 1	Zone 2	Zone 3	Zone 4
Tenant 1 CO Lines				
Tenant 2 CO Lines				
Tenant 3 CO Lines				
Tenant 4 CO Lines				

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Program 77-4 – RSIU Open Architecture Interface (OAI) Data Output Assignments

Processor Type: All RCTUs (Release 3.2 and above)

Program Type: System

Initialized Default: All LEDs are OFF

* # * # 1 * 2 * 3 - Spkr 7 7 Hold - Spkr 4 ████ Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 4 Light the LED Buttons that are marked with an X in the table below.

LED/ Button	X	LED ON	LED OFF
20			
19			
18			
17			
16			
15			
14			
13			
12			
11			
10			
09			
08			
07			
06			
05			
04			
03			
02		DNIS Number will be sent from OAI port	DNIS Number will not be sent from OAI port
01		Caller ID/ANI will be sent from OAI port	Caller ID/ANI will not be sent from OAI port

Program 78 – CO Line Special Ringing Assignments

Processor Type: DK14, DK40i

Program Type: Station

Initialized Default: All LEDs are OFF

* # * # 1 * 2 * 3 -
 Spkr 7 8 Hold -
 Spkr

Hold -
 Spkr # # Hold -
 Spkr # # Hold

Feature Number 1, 2, 5, or 6 —|
 Code 1~3 —|

CO Line
 Specify CO lines with LED Buttons as defined by the table below. All LEDs with an X should be lit when finished.
 Press **Scroll** to advance or **Page** to go back.

After programming, press:
 Press **Vol▲** to turn all LEDs ON
 Press **Vol▼** to turn all LEDs OFF
Mode + CO line number + # to display and advance

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

Processor	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

Feature Number	Code	Feature Description	Line																					
			LED	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	
1	3	Ring Over External Page during NIGHT mode																						
2	1	DISA CO Line during DAY Mode																						
	2	DISA CO Line during DAY2 Mode																						
	3	DISA CO Line during NIGHT Mode																						
5	1	Ring IMDU or RMDS ¹ Modem during DAY Mode																						
	2	Ring IMDU or RMDS ¹ Modem during DAY2 Mode																						
	3	Ring IMDU or RMDS ¹ Modem during Night Mode																						
6	1	Auto Attendant during DAY Mode ²																						
	2	Auto Attendant during DAY2 Mode ²																						
	3	Auto Attendant during Night Mode ²																						

- 1. RMDS requires RSIU and is available with DK424 only, IMDU requires PIOUS or PIOUS. See Programs 77-1 LED 14, and Program 76 for RMDS. Only one built-in maintenance modem, IMDU or RMDS, will function at a time in DK424.
- 2. If CO lines should ring telephones before the Auto Attendant answers, use Program 81~89 to assign telephones to ring. Do not assign telephones in Program 81~89, if the Auto Attendant should answer on the first ring.

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Program 79 – Door Phone Ringing

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Station*

Initialized Default: *All LEDs are OFF*

* # * # 1 * 2 * 3 - Spkr 7 9 Hold - Spkr # Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Port Number

Enter the port number having Door Phone Ringing assigned.

To specify a port range, enter XXX*XXX (low port * high port).

Light the LED Buttons that are marked with an X in the table below.

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Feature	LED	Ports															
Muted ring to busy DKT/EKT	20																
	19																
	18																
	17																
	16																
	15																
	14																
	13																
Door phone 4C Ring DP12	12																
Door phone 4B Ring DP11	11																
Door phone 4A Ring DP10	10																
Door phone 3C Ring DP9	9																
Door phone 3B Ring DP8	8																
Door phone 3A Ring DP7	7																
Door phone 2C Ring DP6	6																
Door phone 2B Ring DP5	5																
Door phone 2A Ring DP4	4																
Door phone 1C Ring DP3	3																
Door phone 1B Ring DP2	2																
Door phone 1A Ring DP1	1																

DP = Door Phone Program

Program *79 – Door Phone to [DN] Flashing Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: No [DNs] assigned to ring for any door phone

* # * # 1 * 2 * 3 - Spkr * 7 9 Hold [] [] # [] [] Spkr # # Hold - Spkr # # Hold

Door Box Number (1~4) ————
 Door Box Circuit Number (1~3) ————

Enter a [DN] Port Reference
 (Port Number of the [DN] that should flash when the door phone button is pressed.)

[DN] = [PDN] or [PhDN] port (see Legend below)

Processor	[PDN] Port Range	[PhDN] Port Range
DK14	000~009	500~509
DK40i	000~027	500~527
RCTUA	000~031	500~531

Processor	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	000~079	500~579
RCTUC/D	000~239	500~739
RCTUE/F	000~335	500~835

Door Phone Number/Location	Door Phone Box Number	Door Box Circuit Number	[DN] Port Reference Number
1	1	1	
2		2	
3		3	
4	2	1	
5		2	
6		3	
7	3	1	
8		2	
9		3	
10	4	1	
11		2	
12		3	

System & Station

System & Station

Program 80 – EKT and DKT Ringing Tones (CO Line Calls)

Program 80 – EKT and DKT Ringing Tones (CO Line Calls)

Processor Type: DK14, DK40i, All RCTUs

Program Type: Station

Initialized Default: Tone 1 is assigned to all ports

* # * # 1 * 2 * 3 - Spkr 8 0 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number

Enter the telephone port number for which the ringing tone is being defined.

To specify a port range, enter XXX*XXX (low port * high port).

Ringing Tone Code

- 1 = Tone Option 1
- 2 = Tone Option 2
- 3 = Tone Option 3

Ring Tone Option	1	2	3
Incoming Line Call*	500/640 Hz	1200/1500 Hz	800/1000 Hz
Transferred Line Call	540/760 Hz	1300/1780 Hz	880/1180 Hz

*Incoming Line Call distinctive ring tones apply to DID, ground, and loop start CO lines.

Ring tone for internal or [DN] calls, and Tie line incoming calls is

Processor	Port Range
DK14	000-009
DK40i	000-027
RCTUA	000-031

Processor	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port Number	Ringing Tone (Code)		
	Tone 1 (1)	Tone 2 (2)	Tone 3 (3)

Port Number	Ringing Tone (Code)		
	Tone 1 (1)	Tone 2 (2)	Tone 3 (3)

Port Number	Ringing Tone (Code)		
	Tone 1 (1)	Tone 2 (2)	Tone 3 (3)

Program *80 – Call Forward Station Ring Assignment

Processor Type: All RCTUs with Release 3.2 and above

Program Type: Station

Initialized Default: LED 01, 04, and 07 ON for all lines

* # * # 1 * 2 * 3 - Spkr * 8 0 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = CO Line Number

LED buttons = ringing assignment in which calls should Call Forward

To specify a CO line range, enter XXX*XXX (low line * high line).

Processor	CO Line Range
DK14	NA
DK40i	NA
RCTUA	001-016

Processor	CO Line Range
RCTUBA/BB	001-048
RCTUC/D	001-144
RCTUE/F	001-200

System Ring Mode	Call Forward Station Ring Assignment	LED	CO Lines															
Night	Delay 2 (89)	09																
	Delay 1 (88)	08																
	Immediate (87)	07																
Day 2	Delay 2 (86)	06																
	Delay 1 (85)	05																
	Immediate (84)	04																
Day	Delay 2 (83)	03																
	Delay 1 (82)	02																
	Immediate (81)	01																

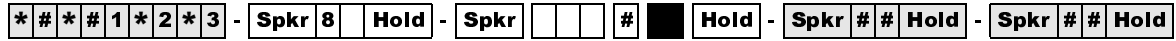
System & Station

Programs 81~89 – Ground/Loop Start/CO Line Station Ringing

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: All LEDs ON for Port 000 (81), Port 001 (87), all other LEDs OFF



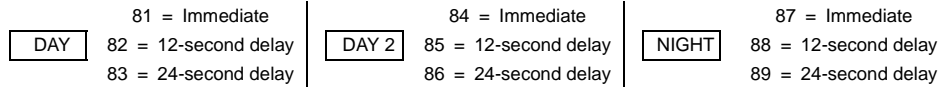
SELECT = 1-9
(for type of ringing)

SELECT = Station or DH port
(see legend below)

LED Buttons = CO line assigned to ring selected station port or DH Group number(s).

Press **Scroll** to advance or **Page** to go back.

Selected trunks ring selected station ports as follows:



Processor	Station Port Range	DH Port	CO Line
DK14	000-009	900-909	001-004
DK40i	000-027	900-915	001-012
RCTUA	000-031	900-915	001-016

Processor	Station Port Range	DH Port	CO Line
RCTUBA/BB	000-079	900-915	001-048
RCTUC/D	000-239	900-915	001-144
RCTUE/F	000-335	900-915	001-200

CO Line	LED	Station or DH Port											
	20												
	19												
	18												
	17												
	16												
	15												
	14												
	13												
	12												
	11												
	10												
	09												
	08												
	07												
	06												
	05												
	04												
	03												
	02												
	01												

Programs *81, *84, and *87 – Ground/Loop Start/CO Line to [DN] LED Flash Assignments

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: CO 018~200 flashes Port 000 (*81) and Port 001 (*87)

##1*2*3 - Spkr * 8 Hold - Spkr # # Hold - Spkr # # Hold

Ringing Assignments

- 1 = Day Ring
- 4 = Day 2 Ring
- 7 = Night Ring

CO line number (see table below)

To add a CO line range, enter XXX * XXX
(low CO line * high CO line).

Station Logical Port Number

Enter the [PDN] or [PhDN] that should flash
LED Button 01 enters blank data.

Processor	CO Line	[PDN] Port Range	[PhDN] Port Range
DK14	001-004	000-009	500-509
DK40i	001-012	000-027	500-527
RCTUA	001-016	000-031	500-531

Processor	CO Line	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	001-048	000-079	500-579
RCTUC/D	001-144	000-239	500-739
RCTUE/F	001-200	000-335	500-835

CO Line Number	Day Ring [DN] (*81)	Day 2 Ring [DN] (*84)	Night Ring [DN] (*87)

CO Line Number	Day Ring [DN] (*81)	Day 2 Ring [DN] (*84)	Night Ring [DN] (*87)

System & Station

Program 93 – CO Line Identification

Processor Type: DK14, DK40i, All RCTUs

Program Type: System

Initialized Default: Blank



SELECT = 1 _____
 LED Button for CO line being named. _____
 To advance the line range, press Scroll.
 Press Page for a lower range.

CO Line Identification
 Enter the CO line identification. (See next page for data entry procedures.)

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

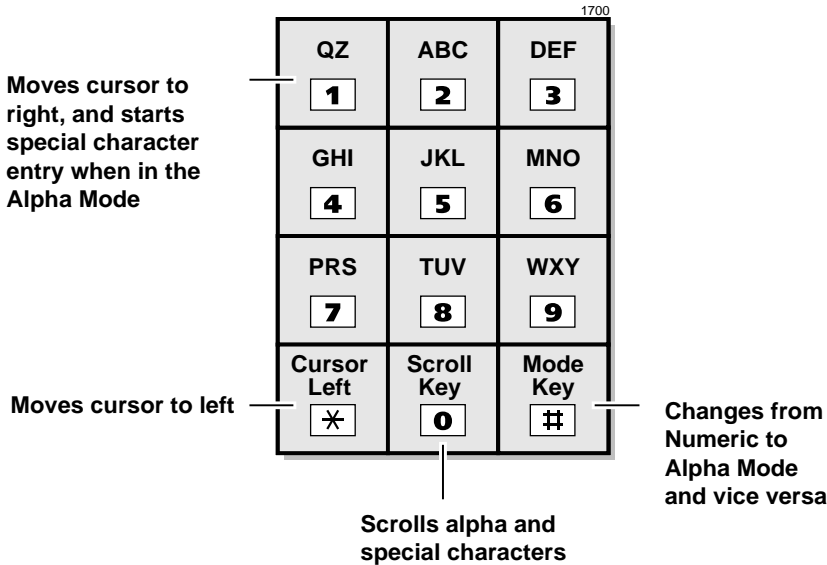
Processor	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

LED	Line	CO Line Identification (16 Characters Max. Enter One per Rectangle)																	
20																			
19																			
18																			
17																			
16																			
15																			
14																			
13																			
12																			
11																			
10																			
09																			
08																			
07																			
06																			
05																			
04																			
03																			
02																			
01																			

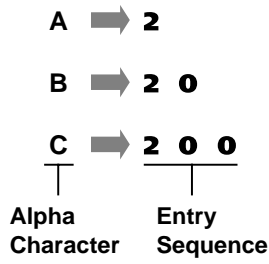
Numeric Mode

0~9 are treated as numerals.
 Dial pad starts in numeric mode. Press # to switch to alpha mode.

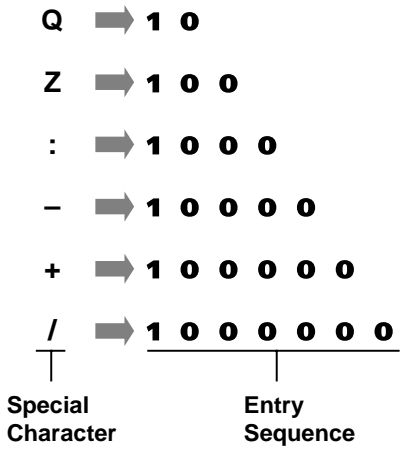
Alpha Mode



Alpha Entry (Example):

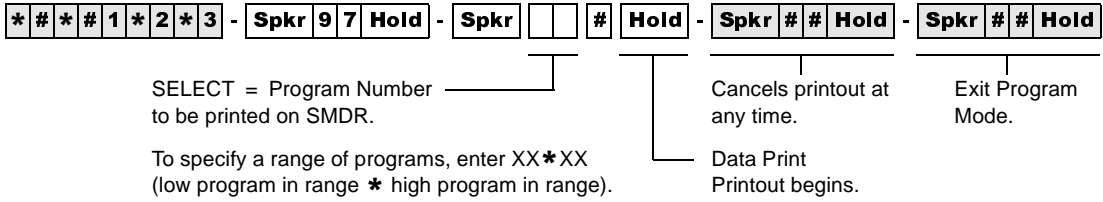


Special Character Entry:



Program 97 – Printing Program Data through SMDR

Processor Type: DK14, DK40i, All RCTUs
Program Type: System
Initialized Default: Prints out customer database



System & Station

System & Station

Program 93 – CO Line Identification

Program 40 – Station CO Line Access

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All LEDs ON for all CO lines (all stations can access all lines)

* # * # 1 * 2 * 3 - Spkr 4 0 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Numbers

To add a port range, enter XXX*XXX (low port * high port).

Press **Scroll** to advance or **Page** to go back.

LED Buttons = CO Lines

Light LEDs for the port(s) that are allowed access.

To turn all CO LEDs ON or OFF, after the port number and # is entered, press **Vol▲** (all LEDs ON) or **Vol▼** (all LEDs OFF).

To check a particular CO line, after the port number is entered, press **Mode** and enter the CO line number, then use the # button to display and advance.

Processor	CO Line Range	[PDN] Port Range	DISA Port
DK14	001-004	000-009	10
DK40i	001-012	000-027	035
RCTUA	001-016	000-031	039

Processor	CO Line Range	[PDN] Port Range	DISA Port
RCTUBA/BB	001-048	000-079	089
RCTUC/D	001-144	000-239	249
RCTUE/F	001-200	000-335	344

CO Line	LED	Port											
	20												
	19												
	18												
	17												
	16												
	15												
	14												
	13												
	12												
	11												
	10												
	09												
	08												
	07												
	06												
	05												
	04												
	03												
	02												
	01												

Program 41 – Station Outgoing Call Restriction

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All LEDs OFF for all CO lines (all stations can access all lines)

* # * # 1 * 2 * 3 - Spkr 4 1 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Numbers

To add a port range, enter XXX*XXX (low port * high port).

Press **Scroll** to advance or **Page** to go back.

After programming, press:

- **Vol▲** to turn all LEDs ON
- **Vol▼** to turn all LEDs OFF
- **Mode** + CO line number, then **#** to display and advance

LED Buttons = CO Lines

Light LEDs for the port(s) that are allowed access.

Processor	CO Line Range	[PDN] Port Range	DISA Port
DK14	001~004	000~009	010
DK40i	001~012	000~027	035
RCTUA	001~016	000~031	039

Processor	CO Line Range	[PDN] Port Range	DISA Port
RCTUBA/BB	001~048	000~079	089
RCTUC/D	001~144	000~239	249
RCTUE/F	001~200	000~335	344

CO Line	LED	Port											
	20												
	19												
	18												
	17												
	16												
	15												
	14												
	13												
	12												
	11												
	10												
	09												
	08												
	07												
	06												
	05												
	04												
	03												
	02												
	01												

Toll Restriction

Program 42-0 – CO Line to PBX/Centrex Connection & Access Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All LEDs OFF for all CO lines. Assigns no access codes to PBX groups.

* # * # 1 * 2 * 3 - Spkr 4 2 Hold - Spkr 0 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 0

Specify CO Lines by setting LED Buttons as defined by the table below.

Press **Scroll** to advance or **Page** to go back.

After programming, press:

- **Vol▲** to turn all LEDs ON
- **Vol▼** to turn all LEDs OFF
- Mode and CO line number, then # to display and advance

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

Processor	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

Button LED	Line (Trunk)	Set Button LEDs	
		Centrex/PBX Connection (LED ON)	Normal (LED OFF)
20			
19			
18			
17			
16			
15			
14			
13			
12			
11			
10			
09			
08			
07			
06			
05			
04			
03			
02			
01			

Program 42-1~8 – PBX/Centrex Access Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Assigns no access codes to PBX groups

* # * # 1 * 2 * 3 - Spkr 4 2 Hold - Spkr [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1~8 PBX Access Code Group
Enter the PBX Group Number 1~8 that needs an access code assigned.

ACCESS CODE = Enter a 2-digit access code for the group, as defined by the table below.

- If access code is single digit, enter the first digit and press LED Button 01 as second digit.
- Press LED Button 01 to delete digit.
- Press LED Button 02 for Wild Card digit (any digit, 0~9). For example, pressing 8 + LED Button 02 allows 80~89.

PBX/Centrex Access Code Number	PBX/Centrex Outgoing CO Line Access Code(s)	
	1st Digit	2nd Digit
1		
2		
3		
4		
5		
6		
7		
8		

Toll Restriction

Program 43 – 0 + Credit Card Dialing Option

Processor Type: DK14, DK40i, All RCTUs

Processor Type: Toll Restriction

Initialized Default: All LEDs OFF

##1*2*3 - Spkr 4 3 Hold - Spkr [] [] # [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Numbers

Press **Scroll** to advance or **Page** to go back.

After programming, press:

- **Vol▲** to turn all LEDs ON
- **Vol▼** to turn all LEDs OFF
- **Mode** + CO line number, then **#** to display and advance

LED Buttons = CO lines

Assigned to allow dial 0+ calls with selected stations.

Processor	CO Line Range	[PDN] Port Range
DK14	001-004	000-009
DK40i	001-012	000-027
RCTUA	001-016	000-031

Processor	CO Line Range	[PDN] Port Range
RCTUBA/BB	001-048	000-079
RCTUC/D	001-144	000-239
RCTUE/F	001-200	000-335

CO Line	LED	Port											
	20												
	19												
	18												
	17												
	16												
	15												
	14												
	13												
	12												
	11												
	10												
	09												
	08												
	07												
	06												
	05												
	04												
	03												
	02												
	01												

Program 44-1~8 – Toll Restriction/Traveling Class Override Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All Classes Blank (no code)

* # * # 1 * 2 * 3 - Spkr 4 4 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Toll Restriction Class 1~8 DATA = Toll Restriction Code for Selected Class (1~4 digits)

Processor	Toll Restriction Class
DK14	1~4
DK40i	1~4
RCTUA	1~4

Processor	Toll Restriction Class
RCTUBA/BB	1~4
RCTUC/D	1~8
RCTUE/F	1~8

Toll Restriction Class SELECT =	DATA = (1~4 Digit Code)
1	
2	
3	
4	
5	
6	
7	
8	

Toll Restriction

Program 44-91~93 – Emergency Bypass of Forced/Verified Account Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Code 91 = 911, Codes 92 and 93 are blank

* # * # 1 * 2 * 3 - Spkr 4 4 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 91~93 to set Emergency Number 1~3
 DATA = Emergency Telephone Number (1~4 digits)
 To enter blanks, press LED Button 01.

Emergency Number (1~3) SELECT =	DATA = (1~4 Digit Telephone Number)
91	911 (default)
92	
93	

If CO lines are behind PBX or Centrex, program the PBX/Centrex outside CO line access code. Example: "9". A pause is automatically inserted following the first 9.

See Programs *45-2 to assign the CO line and access code for behind PBX/Centrex operation.

Also, if the system CO lines are behind Centrex/PBX, the Centrex/PBX CO line access codes must be programmed in front of the emergency telephone number. Example: If the Centrex/PBX access code is "9", then enter 9911 in Program 44-91.

Program 45-1 – LCR/Toll Restriction Dial Plan

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Assigns Dial Plan 7 to the system (current North American Numbering Plan)

* # * # 1 * 2 * 3 - Spkr 4 5 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 DATA = Plan 1-9
 Enter Codes 1-9 to indicate the dial plan for the system.

X	Plan	Toll Restriction/LCR Dial Plans
	9	(101XXXX)+1+NXX+NXX/NXX
	8	(101YXXX)+1+NXX+NXX/NXX
	7	(10XXX)+1+NXX+NXX/NXX
	6	For UK only.
	5	0+ (0+ and universal (Codes 5 and 4) are not used in USA.)
	4	Universal (0+ and universal (Codes 5 and 4) are not used in USA.)
	3	(10XXX)+1+AC+NXX/NXX
	2	(10XXX)+1+AC+NXX/1+NNX
	1	(10XXX)+AC+NXX/1+NNX

Where:

- In NXX and NNX,
 - X = 0-9
 - N = 2-9
- NXX = Office code (interchangeable with area and office codes; second digit can be 0-9)
- NNX = Office code (not interchangeable; second digit cannot be 1 or 0)
- AC = Area Code
- 1+ NNX = 1 may be dialed before office codes
- 10XXX = old 5-digit Carrier Access Codes
- 101YXXX/101XXXX = new 7-digit Carrier Access Codes
- Y = 0, 5 or 6

Toll Restriction

Program 45-2 – Toll Restriction Disable

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All LEDs OFF for all CO lines (all lines apply Toll Restriction)

* # * # 1 * 2 * 3 - Spkr 4 5 Hold - Spkr 2 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2
Press **Scroll** to advance or **Page** to go back.

- After programming, press:
- **Vol▲** to turn all LEDs ON
 - **Vol▼** to turn all LEDs OFF

LEDs/Buttons
Specify CO lines by setting LED Buttons as defined by the table below. All LEDs with an X should be lit when finished.

ON = Disable Toll Restriction

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

Processor	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

LED	CO Line	X
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
09		
08		
07		
06		
05		
04		
03		
02		
01		

LED	CO Line	X
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
09		
08		
07		
06		
05		
04		
03		
02		
01		

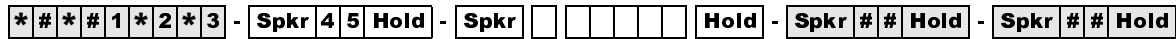
LED	CO Line	X
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
09		
08		
07		
06		
05		
04		
03		
02		
01		

Program 45-3~6 – Special Common Carrier Numbers and Authorization Code Digit Length

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Assigns blank data to Items 3 and 5 and "00" data to Items 4 and 6.



SELECT = Item 3-6
Enter the Item number
3-6 from the table below.

DATA =
First five digits of the SPCC number, or digit length
specified in the table below.

When editing:

- Press # to move cursor.
- Press LED Button 01 to delete or leave a blank.
- Press LED Button 02 to allow all digits to work.

Program 45-8~9 – Toll Restriction Override Code

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Leaves code assignments blank



SELECT = Item 8 or 9
Enter 8 to select Code 1.
Enter 9 to select Code 2.

DATA = Code
Enter 1 to 4-digit code from the table below.
Press LED Button 01 to delete or leave a blank.
Press LED Button 02 to allow all digits to work.

SELECT =	Description	DATA = (1 to 4 Digits)
8 (Code 1)		
9 (Code 2)		

Toll Restriction

Toll Restriction

Program *45-1 (1~4) – Toll Restriction for Office Codes

Program *45-1 (1~4) – Toll Restriction for Office Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Assigns 976 to first office code - blank for other three office codes

* # * # 1 * 2 * 3 - Spkr * 4 5 Hold - Spkr 1 [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 DATA = Office Code (3 digits)
 SELECT = 1~4 Press LED Button 01 to delete a digit.

SELECT =	DATA = Office Code
1	976
2	
3	
4	

Program *45-2 (1~6) – LCR/Toll Restriction Bypass for Special Numbers that Do Not Begin with */#

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All data blank

* # * # 1 * 2 * 3 - Spkr * 4 5 Hold - Spkr 2 [] [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2 DATA = 1~5 Digit Code
 SELECT = 1~6 (that are not subject to toll restriction)

First Digit: 0~9 only
 Non-first Digits: 0~9, *, #

When editing:

- Press LED Button 01 to delete or leave a blank.
- Press LED Button 02 to allow all digits to work.

SELECT =	DATA = 1~5 Digits
1	
2	
3	
4	
5	
6	

Program *45-3 (1~9) – LCR/Toll Restriction Bypass For Special Numbers that Begin with */#

Processor Type: DK14, DK40i; All RCTUs (Release 4.15 applies to DK424 RCTUs only)

Program Type: Toll Restriction

Initialized Default: All data blank



SELECT = 3
SELECT = 1-9

SELECT =	DATA =	OPTION =	OPTION =
1			
2			
3			
4			
5			
6			
7			
8			
9			

OPTION = 0~4 (Release 4.15)
 0 = Code is not valid in ISDN; is valid in analog line
 1 = Privacy Change for ISDN; valid analog line
 2 = Privacy Change for ISDN; not valid analog line
 3 = No Privacy Change for ISDN; valid analog line
 4 = No Privacy Change for ISDN; analog line not valid

OPTION = 0~3
 0 = No Toll Restriction after Special Code
 1 = Toll Restriction after Special Code
 2 = Special Code Restricted
 3 = LCR + Toll Restriction after Special Code (R3.2)

DATA = Digit String (1~3 digits)
 Do not enter * or #.

When editing:

- Press LED Button 01 to end the digit string.
- Press LED Button 02 to allow all digits to work.

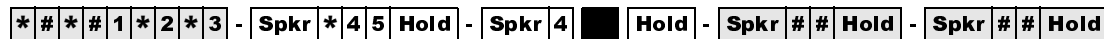
Toll Restriction

Program *45-4 – Special Code Dialing Sequence with LCR

Processor Type: DK424, all RCTUs (Release 4.15 and higher)

Program Type: Toll Restriction and LCR

Initialized Default: All LEDs OFF



SELECT = 4
 Light the LED Buttons that are marked with an X in the table below.

Button/LED	X	LED ON	LED OFF
20~3		Not used.	Not used.
02		Sends the digits from Program *45-3 before the Programs 55-1 Modified Digits Table (MDT) digits.	Sends the Programs 55-1 Modified Digits Table (MDT) digits before the digits from Program *45-3.
01		Inserts a pause into the dialing sequence.	Does not insert a pause into the dialing sequence.

Toll Restriction

Program 46-2~4 – Toll Restriction Allowed/Denied Area Codes by Class

Program 46-2~4 – Toll Restriction Allowed/Denied Area Codes by Class

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Includes all area codes in all classes

* # * # 1 * 2 * 3 - Spkr 4 6 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Toll Restriction Class
(see Legend below)

Enter: 2, 3, 4#

2 = add to memory

3 = Delete from memory

4# = Display allowed codes in
memory (press # to scroll)

DATA = Area Codes

Enter or display area codes.

To add a range, enter XXX*XXX (low area code *
high area code).

Several ranges or individual area codes may be
entered by separating them with the # button.

Processor	Toll Restriction Class
DK14	1-4
DK40i	1-4
RCTUA	1-4

Processor	Toll Restriction Class
RCTUBA/BB	1-4
RCTUC/D	1-8
RCTUE/F	1-8

Class: (Check one) Allowed Denied

DATA = Area Codes						

Class: (Check one) Allowed Denied

DATA = Area Codes						

- Tables with deny box checked do not represent memory. All area codes in memory are allowed.
- International calls may be allowed/denied by entering 011 as the area code. See Program 47 for International Call Restriction by Country Codes.

Program 46-6~8 – Toll Restriction Allowed/Denied Local Office Codes Assigned by Class

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Includes all office codes in all classes

* # * # 1 * 2 * 3 - Spkr 4 6 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Toll Restriction Class
(see Legend below)

Enter: 6, 7, 8#
 6 = add to memory
 7 = Delete from memory
 8# = Display allowed codes in memory (press # to scroll)

DATA = Office Codes
Enter or display office codes.

To add a range, enter XXX*XXX (low office code * high office code).

Several ranges or individual office codes may be entered by separating them with the # button.

Processor	Toll Restriction Class
DK14	1-4
DK40i	1-4
RCTUA	1-4

Processor	Toll Restriction Class
RCTUBA/BB	1-4
RCTUC/D	1-8
RCTUE/F	1-8

Class: [] (Check one) Allowed Denied

DATA = Office Codes						

Class: [] (Check one) Allowed Denied

DATA = Office Codes						

- Tables with deny box checked do not represent memory. All office codes in memory are allowed.
- International calls may be allowed/denied by entering 011 as the area code. See Program 47 for International Call Restriction by Country Codes.

Toll Restriction

Programs 46-10~80 – Toll Restriction Class Parameters

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: All LEDs OFF



Select Class from Legend below.

Turn LEDs 01, 02, 03, or 04 ON to select restriction option.

Processor	Toll Restriction Class
DK14	1-4
DK40i	1-4
RCTUA	1-4

Processor	Toll Restriction Class
RCTUBA/BB	1-4
RCTUC/D	1-8
RCTUE/F	1-8

Class Number	Button 01 LED		Button 02 LED		Button 03 LED		Button 04 LED	
	ON	OFF	ON	OFF	ON	OFF	ON	OFF
	Dial 0 Restricted	Dial 0 Allowed	Dial 01 Restricted	Dial 01 Allowed	A/C+555 or 1+A/C+555 Allowed for all A/Cs	555 Allowed or Denied per A/C Restriction Table	Restrict Numbers that contain * or # within the first 4 digits	Allow Numbers that contain * or # within the first 4 digits
1								
2								
3								
4								
5								
6								
7								
8								

Programs 46-11~46-81 – Toll Restriction Class (1~8) Parameters

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Leaves all LEDs OFF



Select Class from Legend below.

Light LED Buttons as required to assign Table to Class.

Processor	Toll Restriction Class	Exception Table
DK14	1~4	8
DK40i	1~4	8
RCTUA	1~4	8

Processor	Toll Restriction Class	Exception Table
RCTUBA/BB	1~4	8
RCTUC/D	1~8	16
RCTUE/F	1~8	16

LED	X	LED ON	LED OFF
20~17		Not Used	
16		Table 16 Area/Office Exception	Not Selected
15		Table 15 Area/Office Exception	Not Selected
14		Table 14 Area/Office Exception	Not Selected
13		Table 13 Area/Office Exception	Not Selected
12		Table 12 Area/Office Exception	Not Selected
11		Table 11 Area/Office Exception	Not Selected
10		Table 10 Area/Office Exception	Not Selected
9		Table 09 Area/Office Exception	Not Selected
8		Table 08 Area/Office Exception	Not Selected
7		Table 07 Area/Office Exception	Not Selected
6		Table 06 Area/Office Exception	Not Selected
5		Table 05 Area/Office Exception	Not Selected
4		Table 04 Area/Office Exception	Not Selected
3		Table 03 Area/Office Exception	Not Selected
2		Table 02 Area/Office Exception	Not Selected
1		Table 01 Area/Office Exception	Not Selected

Toll Restriction

Program 47 – Toll Restriction Exception Office Codes Assigned by Area Codes (Tables 1~16)

Processor Type: DK14, DK40i, All RCTUs

Program Type: Toll Restriction

Initialized Default: Assigns no office codes to tables

SELECT = Exception Table from Legend below.
A new exception table is needed for each area code with office codes that are exceptions to restriction.

AREA CODE =
Enter only one area code per exception table.

* # * # 1 * 2 * 3 - Spkr 4 7 Hold Spkr [] [] 1 [] [] Hold - |

[] Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Exception Table (01~16)

Enter: 2, 3, 4#
2 = add to the exception table
3 = Delete from the exception table
4# = Display the exception table's office codes.

DATA =
Enter or display office code(s).
To add a range, enter XXX *XXX (low office code * high office code).
Several ranges or individual office codes may be entered by separating them with the # button.

Processor	Exception Table
DK14	01~08
DK40i	01~08
RCTUA	01~08

Processor	Exception Table
RCTUBA/BB	01~08
RCTUC/D	01~16
RCTUE/F	01~16

Exception Table: []

Area Code: []

DATA = Record of Exception Office Codes						

Program 48 – Station Toll Restriction Classification

Processor Type: DK14, DK40i, All RCTUs
Program Type: Toll Restriction
Initialized Default: 100 for all ports

* # * # 1 * 2 * 3 - Spkr 4 8 Hold Spkr [] [] # [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Port Number(s)
 Enter the port number(s) of the station(s) being defined.
 To add a port range, enter XXX*XXX (low port * high port).
DATA (0 or 1)
 0 = No digit restriction
 1 = Digit restriction

Station Restriction Code (00~10)
 00 = No Station Toll Restriction
 01 = Area Code toll Restriction and 0 or 1 as 1st digit
 02 = Area Code Toll Restriction and 0 or 1 as 1st digit
 03 = Class 1 07 = Class 5
 04 = Class 2 08 = Class 6
 05 = Class 3 09 = Class 7
 06 = Class 4 10 = Class 8
 If dial "0" credit card calling must be allowed, use Program 43 to assign designated stations/CO lines to allow credit card calling.

Processor	Port Range	Toll Restriction Ports for DISA	Toll Restriction Class
DK14	000-009	010	1-4
DK40i	000-027	035	1-4
RCTUA	000-031	039	1-4

Processor	Port Range	Toll Restriction Ports for DISA	Toll Restriction Class
RCTUBA/BB	000-079	089	1-4
RCTUC/D	000-239	249	1-8
RCTUE/F	000-335	344	1-8

Port No.	Digit Restriction Code	Station Restriction Code

Port No.	Digit Restriction Code	Station Restriction Code

Toll Restriction

Toll Restriction

Program 48 – Station Toll Restriction Classification

Least Cost Routing

4

Program 50-1 – LCR Parameters

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: All LEDs OFF

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 Press LED Buttons for each LCR parameter

LED	ON		OFF	
01		Enable System LCR		No LCR
02		Not Used		Not Used
03		555 LDI Route per Program 50-4		Per Area Code Table
04		Dial Tone After LCR Access		Silent
05		Warning Tone Last Choice Route Number		No Warning Tone
10		No CO Dial Tone After Line Access		CO Dial Tone (R4.15)

Program 50-2 – LCR Home Area Code

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: Leaves the home area code blank

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr 2 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2 DATA = Home (local) area Code

<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------

Least Cost Routing

Programs 50-3 (1~5) – LCR Special Codes

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: 911 in 31, all other codes blank

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 31~35
Enter 31~35 to indicate
the special code.

DATA = Special Code
Enter the code from the table below.

Key 01 = blank

SELECT =	Special Code (4 Digits)	Examples
31		911
32		411
33		
34		
35		

Program 50-4 – LCR Long Distance Information (LDI) Plan Number

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: See the legend below

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr 4 [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 4 DATA = LDI Route Plan (see Legend below)

Processor	LDI Route Plans	LDI Route Plans Default
DK14	01~08	08
DK40i	01~08	08
RCTUA	01~08	08

Processor	LDI Route Plans	LDI Route Plans Default
RCTUBA/BB	01~08	08
RCTUC/D	01~16	16
RCTUE/F	01~16	16

Program 50-5 – LCR Local Call Plan Number

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: See the legend below

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr 5 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 5 DATA = Local Call Plan (see Legend below)

Processor	Local Call Plan Number	Local Call Plan Default
DK14	01~08	08
DK40i	01~08	08
RCTUA	01~08	08

Processor	Local Call Plan Number	Local Call Plan Default
RCTUBA/BB	01~08	08
RCTUC/D	01~16	16
RCTUE/F	01~16	16

Program 50-6 – LCR Dial 0 (Zero) Time-out

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: Assigns an LCR Dial Zero Time-out value of 06

* # * # 1 * 2 * 3 - Spkr 5 0 Hold - Spkr 6 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 6 DATA = Time-out Value

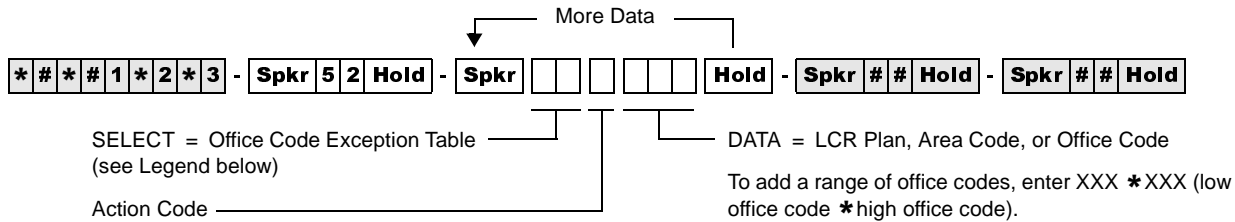
Enter a time-out value from 04~10 seconds long.

Program 52 – LCR Office Code Exceptions for Specified Area Code

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: Leaves all office code tables blank and all tables assigned to LCR Plan (see legend below)



Action Code Function	Action Codes	DATA =
Assign Exception Table to LCR Plan	0	(LCR Plan 01-16):
Assign Area Code to LCR Plan	1	(3-digit Area Code):
Add Office Code to Exception Table	2	(3-digit Office Code):
Delete Office Codes from Exception Table	3	(3-digit Office Code):
Display Office Codes in Exception Table	4# more #	(3-digit Office Code):

Processor	Table Number	LCR Plan	LCR Exception Codes
DK14	01-08	01-08	8
DK40ii	01-08	01-08	8
RCTUA	01-08	01-08	8

Processor	Table Number	LCR Plan	LCR Exception Codes
RCTUBA/BB	01-08	01-08	8
RCTUC/D	01-16	01-16	16
RCTUE/F	01-16	01-16	16

Table Number: []
Area Code: []
LCR Plan: []

Table Number: []
Area Code: []
LCR Plan: []

Table Number: []
Area Code: []
LCR Plan: []

Table Number: []
Area Code: []
LCR Plan: []

Data = Office Code(s)

Data = Office Code(s)

Data = Office Code(s)

Data = Office Code(s)

Least Cost Routing

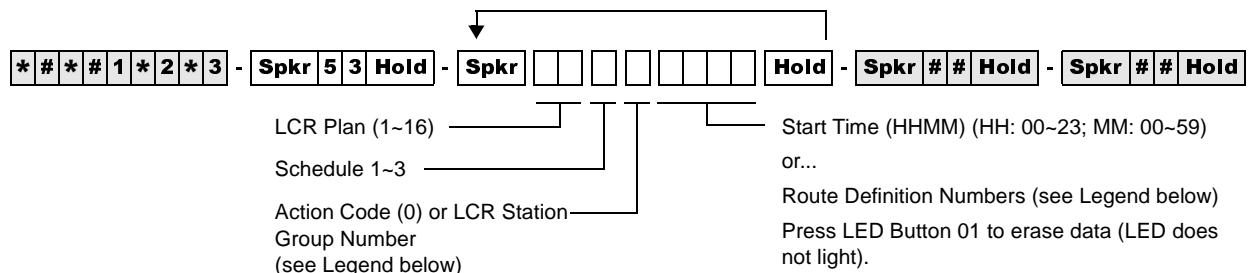
Program 53 – LCR Schedule Assignments for LCR Plans

Program 53 – LCR Schedule Assignments for LCR Plans

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: Assigns starting time as 0000 and Route Definitions as blank for all schedules



Processor	Program 56 LCR Station Groups	Program 54 Route Definition #
DK14	1-4	1-4
DK40i	1-4	1-4
RCTUA	1-4	1-4

Processor	Program 56 LCR Station Groups	Program 54 Route Definition #
RCTUBA/BB	1-4	1-4
RCTUC/D	1-8	1-6
RCTUE/F	1-8	1-6

LCR Plan 01-16	Schedule 1-3	Action Code	Start Time				LCR Plan 01-16	Schedule 1-3	Action Code	Start Time				
			H	H	M	M				H	H	M	M	
		0						0						
		0						0						
		0						0						

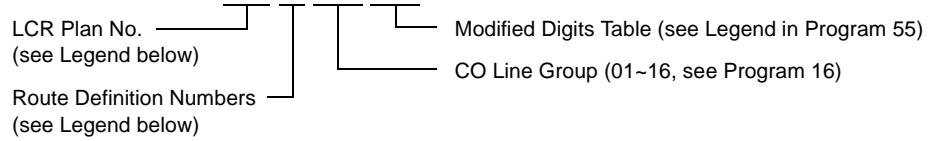
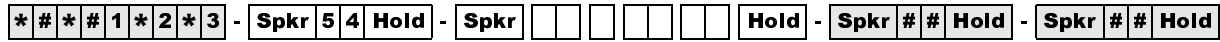
LCR Plan 01-16	Sched. 1-3	Program 56 LCR Station Group (see legend above)	Program 54 Route Definition # (see legend above)				LCR Plan 01-16	Sched. 1-3	Program 56 LCR Station Group (see legend above)	Program 54 Route Definition # (see legend above)			
			1st Pick	2nd Pick	3rd Pick	4th Pick				1st Pick	2nd Pick	3rd Pick	4th Pick

Program 54 – LCR Route Definition Tables

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: 0101



Processor	Route Definition #	Program 16 CO Line Group	Program 55 Modified Digits
DK14	1~4	01~08	01~06
DK40i	1~4	01~08	01~06
RCTUA	1~4	01~08	01~06

Processor	Route Definition #	Program 16 CO Line Group	Program 55 Modified Digits
RCTUBA/BB	1~4	01~08	01~06
RCTUC/D	1~6	01~16	01~12
RCTUE/F	1~6	01~16	01~12

LCR Plan 01~16	Route Definition # (see legend above)	Program 16 CO Line Group (see legend above)	Program 55 Modified Digits (see legend above)	LCR Plan 01~16	Route Definition # (see legend above)	Program 16 CO Line Group (see legend above)	Program 55 Modified Digits (see legend above)

Program 55 – LCR Modified Digits Table

Processor Type: DK14, DK40i, All RCTUs

Program Type: Least Cost Routing

Initialized Default: See each program in the Program 55-X series.

Program 55-0 – Delete Number of Digits From the Front of Dialed Number

Initialized Default: All tables blank

* # * # 1 * 2 * 3 - Spkr 5 5 Hold - Spkr 0 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Modified Digits Table (see Program 55 Legend) FIGURE = Quantity of Digits (00~10) to be deleted.

Program 55-0
Delete Digits Table

Table Number	Quantity of Digits (01~10 max)
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	

Program 55-1 and 2 – Add Digits Before and/or After the Dialed Number

Initialized Default: Leaves all tables blank except Delete Digits, which are all 00



SELECT = Modified Digits Table

CODE = Digits added (up to 22)

- 1 = Add digits in front of number dialed (F-MDT)
- 2 = Add digits at the end of number dialed (E-MDT)
(see Program 55 and *45-4 Legend)

Enter the digits to be added. Pauses may be coded as described in the pause entry reference table below.

Pause Entry Reference (Programs 55-1, 55-2)

Key/LED	Pause (Seconds)	Record Entry	Special Functions
08	16	P8	LED Button 09 (R4.15) ISDN Start Key, LCD = G Key/LED 11: Clear All
07	14	P7	
06	12	P6	Key/LED 10: Convert DP to DTMF, LCD = T
05	10	P5	
04	8	P4	
03	6	P3	Key/LED 12: Code for ISDN Sub-address Separator LCD = S
02	4	P2	
01	2	P1	

Modified Digits Table (MDT) Add to FRONT of Dialed Number (Program 55-1)

Table No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
01																							
02																							
03																							
04																							
05																							
06																							
07																							
08																							
09																							
10																							
11																							
12																							

Modified Digits Table (MDT) Add to END of Dialed Number (Program 55-2)

Table No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
01																							
02																							
03																							
04																							
05																							
06																							
07																							
08																							
09																							
10																							
11																							
12																							

Least Cost Routing

Program 56 – LCR Station Group Assignments

Program 56 – LCR Station Group Assignments

Processor Type: *DK14, DK40i, All RCTUs*

Program Type: *Least Cost Routing*

Initialized Default: *Assigns all stations to Group 1*

* # * # 1 * 2 * 3 - Spkr 5 6 Hold - Spkr [][] # [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Station Logical Port Number(s) Enter LCR Station Group (1~8)
 Enter port numbers of stations being assigned.

To add a port range, enter XXX *XXX (low port * high port).

Processor	Port Range	LCR Station Groups
DK14	000~009	1~4
DK40i	000~027	1~4
RCTUA	000~031	1~4

Processor	Port Range	LCR Station Groups
RCTUBA/BB	000~079	1~4
RCTUC/D	000~239	1~8
RCTUE/F	000~335	1~8

Port Number	LCR Station Group No. (1~8)

Port Number	LCR Station Group No. (1~8)

Port Number	LCR Station Group No. (1~8)

Port Number	LCR Station Group No. (1~8)

Program 03 – RSIU, RSSU, PIOU, PIOUS ACD/MIS Slot Assignments

Initialized Default: *n/a*

* # * # 1 * 2 * 3 - Spkr 0 3 Hold - Spkr Hold Spkr # # Hold - Power OFF (5 sec.) then ON

PIOU, PIOUS, or RSSU Slot Number (12~78)
...or RSIU Slot Number 11

Enter 42 to assign the PIOU, PIOUS, or RSSU
TTY Port as MIS port, or enter 49 to assign RSIU
to slot 11 (see Program 76 if installing RSIU).

Program 03 Overview

This program is for specifying RSIU, RSSU, PIOU, or PIOUS ACD/MIS Slot Assignments.

If MIS output is required for ACD, set Code 42 for the slot in which the RSSU, PIOU or PIOUS is installed, or Code 49 if RSIU is installed in slot 11 (that connects to the SMIS personal computer). If you use RSIU/RSIS for MIS output, you must set the appropriate port for MIS operation/speed using Program 76.

Program 09 – Auto Attendant Prompt/ACD Group Assignments

Initialized Default: *n/a*

* # * # 1 * 2 * 3 - Spkr 0 9 Hold - Spkr [] # 4 [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = Dialed Digit(s)
Menu prompts offered to
caller (1 or 2 digits)

AUTO ATT DIAL = ACD Group No.
Enter the ACD Group numbers which will receive
Auto Attendant calls. Press * if establishing the
first digit of a two digit dialing format.

Processor	ACD Group Numbers
RCTUBA/BB	01-08
RCTUC/D	01-16
RCTUE/F	01-16

Dialed Digit (Menu Prompts)	ACD Group Number	Department, Division, Etc.
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		

Program *09 – ACD Group DID Line Digit Assignments

Initialized Default: See table below



Processor	ACD Group Port Numbers	Default DID/Tie Line Digits
RCTUBA/BB	090-097	290-297
RCTUC/D	250-265	450-465
RCTUE/F	345-360	870-885

ACD Group Number	ACD Group Port Number	DID/Tie Line Digits Assigned (1-4 Digits)

Program 10-4 – ACD/ISDN Parameters

Initialized Default: LEDs 12 and 14 are ON

##1*2*3 - Spkr 1 0 Hold - Spkr 4 Hold - Spkr ## Hold - Spkr ## Hold

SELECT = 4 Light Button/LEDs as defined by the table below. If the X column is checked, the LED should be ON.

Button/ LED	X	LED ON	LED OFF
20			
19			
18			
17			
16			
15			
14		ISDN "Start" access code is sent when the Speed Dial (SDS) button is pressed (initialized).	ISDN Start access code is not sent.
13		Receive 3.1kHz audio calls as speech calls only if a progress indicator is sent.	Always receives 3.1kHz calls.
12		BRI T-Wait ON (initialized)	BRI T-Wait OFF
11		PRI T-Wait ON	PRI T-Wait OFF (initialized)
10			
09			
08			
07			
06			
05			
04		All Agents Unavailable Route: Per Prog. 14-5 (Overflow Point Destination)	All Agents Unavailable Route: Per Prog. 14-6 (After Shift Destination)
03		Agent receives Supervisor Monitor Tone/LCD display when being monitored	Agent does not receive Supervisor Monitor Tone/LCD display when being monitored
02			
01		ACD Mode: Most idle Agent receives next call	ACD Mode: Next Available Agent receives next call

Program 11 – ACD Timing Assignments

Initialized Default: See table below



Code (1-9) ————
 ACD Group No. ————
 Music Timer (1-3) ————
 (used only with Code 5, skip this entry for all other codes)

DATA = Time (min. or sec.)

Processor	ACD Group Numbers
RCTUBA/BB	01-08
RCTUC/D	01-16
RCTUE/F	01-16

Code	Time	Initialized Data	Notes
1	0000-3600 sec.	0030 sec.	0000 = No Overflow
2	000-255 sec.	030 sec.	
3	000-255 sec.	060 sec.	
4	000-120 sec.	001 sec.	
5	000-999 sec.	030 sec.	
6	000-255 sec.	120 sec.	
7	000-600 sec.	240 sec.	
8	00-30 min.	01 min.	00 Disables Alarm Guard Timer; blocks Alarm Reset
9	00-60 min.	00 min.	00 Disables Timer

ACD Group No.	Code 1	Code 2	Code 3	Code 4	Code 5			Code 6	Code 7	Code 8	Code 9
	Queue Overflow Timer	Ring Agent Timer	Wrap-up Timer	RBT before Announce Timer	Connect to Music Timer			Call Waiting Alarm Timer 1	Call Waiting Alarm Timer 2	Alarm Guard Timer	Disconnect of ACD Call Timer
					1	2	3				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

Program 14-0 – Loop/Ground Start Line Direct to ACD Group Assignments

Initialized Default: No CO lines assigned to direct ring to ACD Groups (all LEDs OFF)

##1*2*3 - Spkr 1 4 Hold - Spkr 0 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 0 Light Button/LEDs of CO lines that should be assigned to the ACD Group.
ACD Group No.
Press **Scroll** to advance or Page to go back.

Processor	ACD Group Number	CO Line Range
RCTUBA/BB	01-08	001-048
RCTUC/D	01-16	001-144
RCTUE/F	01-16	001-200

ACD Group No.	ACD CO Line Assignments (Write in CO lines assigned to direct ring each ACD Group on incoming calls.)

Program 14-1 – ACD Agent Identification Code Assignments

Initialized Default: blank

##1*2*3 - Spkr 1 4 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 1 DATA = Agent ID Log in Code (0000-9999)
SELECT = Agent ID No. (000-255) DATA = ACD Group No.

Use the Record Sheet that follows Program 18.

Program *14-1 – Auto Answer with Zip Tone Assigned to Agent ID

Initialized Default: Group Number = 01. Agent ID Code = blank. DATA 0 = No Auto Answer.

##1*2*3 - Spkr *14 Hold - Spkr 1 [][] [] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = 1 _____ | _____ DATA =
 SELECT = Agent ID No. (000~255) _____ | _____ 0 = No Auto Answer
 Press # for single port entry. _____ | _____ 1 = Auto Answer

Use the Record Sheet that follows Program 18.

Program 18 – Agent Names for SMIS/MIS Assignments

Initialized Default: blank

##1*2*3 - Spkr 18 Hold - Spkr [][] [] ... [] Hold - Spkr ## Hold - Spkr ## Hold

SELECT = Agent ID No. (000~255) _____ | _____ DATA = Agent Name (8 characters maximum)

Processor	Agent ID Numbers	ACD Group Numbers	Maximum Number of Agent ID Codes
RCTUBA/BB	000~199	01~08	200
RCTUC/D	000~255	01~16	256
RCTUE/F	000~255	01~16	256

Program *14-1 Auto Answer with Zip Tone	Program 14-1			Program 18 Agent Name (8 characters max.)
	Agent ID Number	ACD Group Number	Agent ID Code (4 digits max.)	

Program 14-2 – ACD Supervisor Passwords

Initialized Default: All blanks

* # * # 1 * 2 * 3 - Spkr 1 4 Hold - Spkr 2 [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2

DATA = Supervisor ID Code (0000-9999)

GROUP = ACD Group No.

Processor	ACD Group Numbers
RCTUBA/BB	01-08
RCTUC/D	01-16
RCTUE/F	01-16

ACD Group Number	Supervisor ID Code	Name

Program *14-2 – DID, Tie, DNIS, ANI Line After Shift/Overflow Substitution Destinations

Initialized Default: Port 000

* # * # 1 * 2 * 3 - Spkr * 1 4 Hold - Spkr 2 [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 2 ——— DATA =
SELECT = ACD Group No. ——— DID/Tie/DNIS/ANI Overflow Substitution

Processor	ACD Group Numbers
RCTUBA/BB	01~08
RCTUC/D	01~16
RCTUE/F	01~16

RCTUBA/BB	RCTUC/D	RCTUE/F	DID/Tie/DNIS/ANI Overflow Substitution Destination
000~079	000~239	000~335	Station or Attendant Console [PDN] Program 04 Port No.
500~579	500~739	500~835	[PhDN] Program *04 Port No.
900~915	900~915	900~915	Distributed Hunt Group Program *04 Port No.

ACD Group Number	Destination

Program 14-3 – Announcement/Music Port and Queue Pattern

Initialized Default: all blanks

* # * # 1 * 2 * 3 - Spkr 1 4 Hold - Spkr 3 [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 3
 Code (1~5)
 ACD Group No.

DATA = Port number of Music or Announcement Source
 Enter blanks with Button/LED 01.

Processor	ACD Group Numbers	Port Numbers
RCTUBA/BB	01-08	000-079
RCTUC/D	01-16	000-239
RCTUE/F	01-16	000-335

Code 1	Enter the RSTU or RSTU2 (or equivalent) port number of the first announcement.
Code 2	Enter the RSTU or RSTU2 (or equivalent) port number of the second announcement if queue pattern has three announcements. (Enter Code 2 assignment only if there are three announcements. Skip to Code 3 if only two announcements are used for the ACD Group queue.
Code 3	Enter the second announcement port for two-announcement queue patterns or enter the third announcement port for three-announcement queue patterns.
Code 4	Enter the RSTU, RSTU2 or PEKU Music Source port number or enter 999 if the music source is a Music-on-Hold (MOH) source.
Code 5	Enter the announcement number (1~3) of the first announcement that should repeat to calls in queue.

ACD Group Number	Code 1 Announcement 1 Port	Code 2 Announcement 2 Port	Code 3 Announcement 2 or 3 Port	Code 4 Music Source Port	Code 5 Repeat Announcement No.

Program 14-5 – Overflow Point and Ring No Answer Routing Destination

Initialized Default: *Overflow point=0, no overflow point*

* # * # 1 * 2 * 3 - Spkr 1 4 Hold - Spkr 5 [] [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 5 ———— DATA = Destination
 SELECT = ACD Group No. ———— SELECT=Overflow Point (1-3)
 =Queue Timer (0)

Processor	ACD Group Numbers	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	01-08	000-079	500-079
RCTUC/D	01-16	000-239	500-739
RCTUE/F	01-16	000-335	500-835

DATA	Destination
OP0, OP1, OP2, OP3	Overflow Point (OP) Destination (Incoming Port 000). Only one OP can be programmed. For No Overflow, select DATA=0.
See [PDN] Port Range	Station or Attendant Console [PDN] Program 04 Port No.
301-316	ACD Group (RCTUBA/BB, RCTUC/D)
401-416	ACD Group (RCTUE/F)
320 (RCTUBA/BB, C/D) 420 (RCTUE/F)	Auto Attendant (DK Built-in)
321 (RCTUBA/BB, C/D) 421 (RCTUE/F)	Normal CO line; Ring assignments not including delayed ringing assignments
See [PhDN] Port Range	[PhDN] Program *04 Port No.
900-915	Distributed Hunt Group Program *04 Port No.

ACD Group No.	Overflow Point	RNA and Overflow Point Destination

ACD Group No.	Overflow Point	RNA and Overflow Point Destination

Program 14-6 – After Shift Service Destination

Initialized Default: Destination = Incoming port 000



SELECT = 6

DATA = Destination

SELECT = ACD Group No.

Processor	ACD Group Numbers	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	01-08	000-079	500-079
RCTUC/D	01-16	000-239	500-739
RCTUE/F	01-16	000-335	500-835

DATA	Destination
See [PDN] Port Range	Station or Attendant Console [PDN] Program 04 Port No.
301-316	ACD Group (RCTUBA/BB, RCTUC/D)
401-416	ACD Group (RCTUE/F)
320 (RCTUBA/BB, C/D) 420 (RCTUE/F)	Auto Attendant (DK Built-in)
321 (RCTUBA/BB, C/D) 421 (RCTUE/F)	Normal CO line; Ring assignments not including delayed ringing assignments
See [PhDN] Port Range	[PhDN] Program *04 Port No.
900-915	Distributed Hunt Group Program *04 Port No.

ACD Group No.	After Shift Destination

Program 14-71 – Queue Size for Alarm, Immediate Assignments

Initialized Default: Queue Size = 010

* # * # 1 * 2 * 3 - Spkr 1 4 Hold - Spkr 7 1 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 71 _____ DATA = Queue Size

SELECT = ACD Group No. _____

Processor	ACD Group Numbers	Queue Size
RCTUBA/BB	01~08	001~048
RCTUC/D	01~16	001~144
RCTUE/F	01~16	001~200

ACD Group No.	Queue Size

Program 14-72 – Queue Size for Alarm 1

Initialized Default: *Queue Size = 010*

*	#	*	#	1	*	2	*	3	-	Spkr	1	4	Hold	-	Spkr	7	2							-	Hold	-	Spkr	#	#	Hold	-	Spkr	#	#	Hold
---	---	---	---	---	---	---	---	---	---	------	---	---	------	---	------	---	---	--	--	--	--	--	--	---	------	---	------	---	---	------	---	------	---	---	------

SELECT = 72 _____ DATA = Queue Size
 SELECT = ACD Group No. _____

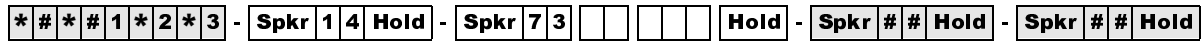
Processor	ACD Group Numbers	Queue Size
RCTUBA/BB	01~08	001~048
RCTUC/D	01~16	001~144
RCTUE/F	01~16	001~200

ACD Group No.	Queue Size

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Program 14-73 – Queue Size for Alarm 2

Initialized Default: *Queue Size = 010*



SELECT = 73
 DATA = Queue Size
 SELECT = ACD Group No.

Processor	ACD Group Numbers	Queue Size
RCTUBA/BB	01~08	001~048
RCTUC/D	01~16	001~144
RCTUE/F	01~16	001~200

ACD Group No.	Queue Size

Program 15 – Ground/Loop/Tie/DID Line Options

If loop start lines are routed to ACD Groups, set each line to automatically release when the CO sends the AR signal after the outside party hangs up. Use Program 15 Code 1 and Code 3 to set auto release detection for each CO line.

See [Page 27](#) for the programming record sheet.

Program 17 – DID/Tie Line Options

If DID/Tie lines must be routed to ACD Groups, use Program 17 to set the appropriate options for each DID/Tie line.

See [Page 30](#) for the programming record sheet.

Program 35 – Station Class of Service

To allow Agent Help (assistance) calls to busy Supervisor telephones, enable Busy-Station-Transfer (LED 20-ON) on Agent telephones and Busy-Station-Ring (LED 19-ON) on Supervisor telephones. Supervisor telephones should have more than one [PDN] (Program 39) to receive Agent Help calls when the Supervisor telephone is busy.

See [Page 54](#) for the programming record sheets.

Program 71 – DID/Tie/DNIS/ANI Lines

If DID/Tie/DNIS/ANI lines route to ACD Groups and provide DNIS line features (such as the DNIS name, night/day routing, etc.), use Program 71 to assign the DID/Tie/DNIS digits or ANI lines to route the appropriate ACD Group (see Program 17, LED 05).

Also see [Page 89](#).

Program 39 – Flexible Button Assignments for ACD Telephones

Initialized Default: Logical port number = physical port number
 Program 90, 91-1, or 91-9 initializes Program 02



SELECT = Port Number or Range. _____
 To add a port range, enter
 XXX*XXX (low port * high port)
 Press Button/LED to be defined. _____

CODE = _____
 Enter the appropriate feature code. See the
 Feature Code Table below.

Processor	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	000-079	500-079
RCTUC/D	000-239	500-739
RCTUE/F	000-255	500-835

Toshiba highly recommends that you enter the button keypad names exactly as shown in the left column, since these button names are used in the ACD Agent and Supervisor Guides. The Record Sheet is on [Page 64](#).

ACD Feature Button Designation	Feature Code	Program on Agent Telephone	Program on Supervisor Telephone	Notes
Log In/ Log Out (Agent)	451	X		Used by Agents to Log In/Out. [PhDN] + Log In/Out + ZZZZ (ZZZZ = Agent ID code)
Log in/ Log Out (Supervisor)	451		X	Used by Supervisor to Log In/Out Log In/Out + YYYY (YYYY = Agent ID code)
ACD Call	Program [PhDN] in Program 39	X		Each Agent telephone must have a unique, single-appearing [PhDN] button to receive and originate ACD calls. When the Agent logs into an ACD Group from any single-appearing [PhDN], that [PhDN] is the active ACD Button on the Agent telephone. (Supervisor telephones do not require a unique [PhDN] button unless the Supervisor telephone will be used as an Agent telephone periodically.)
Work Unit	444	X		Enables the Agent to peg an ACD call with an account number that will be sent to a SMIS personal computer and/or SMDR device.
ACD Pickup	446	X	X	Provides ACD call pickup within the Group. The Agent must be logged into the same Group in order to pick up the ACD call. The Pickup call is considered an ACD call on the MIS status report.
Unavailable	452	X		Turns the Agent's availability off and on. While in this mode, the Agent does not receive any new incoming ACD calls.

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Program 39 – Flexible Button Assignments for ACD Telephones

ACD Feature Button Designation	Feature Code	Program on Agent Telephone	Program on Supervisor Telephone	Notes
ACD Help	449	X		Rings a Supervisor [DN] button, enabling an Agent to request assistance while talking on an ACD call. Calls the highest numbered Supervisor telephone or [PDN]
End After Call Work Time	445	X		Manually cancels unused wrap-up time. This enables an Agent to receive another ACD call.
End Of ACD Shift	443		X	Enables the Supervisor to stop new calls from entering the ACD Group queue or from ringing Agents. The End of ACD Shift mode routes new calls to the After Shift destination set in Program 14-6. A Supervisor must be logged in to use this button.
Transfer to ACD Group	Conf/Trn + #406XX	X	X	<p>Program this Speed Dial sequence on telephones that must transfer calls to ACD Groups. This enables one-touch transfer of CO lines (ground/loop start or DID/Tie) to ACD Group XX. XX = ACD Group 01-16.</p> <p>Transfer to an ACD Group is always blind and immediate and does not recall the transferring station.</p> <p>If the ACD Group shift is ended or all Agents are unavailable, the transferred call is routed per the called Group's After Shift or All Agents Unavailable destination.</p>
Monitor ACD Call	447		X	<p>Used by Supervisor to monitor Agent calls (Supervisor telephone only). Enables the Supervisor to listen to any Agent's ACD calls (not non-ACD or PBX calls) by pressing the Monitor ACD Call button and then entering the Agent's ID code.</p> <p>During Agent monitoring, a one-way talk path enables the Supervisor to listen to the Agent/outside party conversation without the Agent/caller hearing the Supervisor.</p> <p>An optional "Call Monitor" tone (dial tone burst) can be sent to the Agent/caller every 15 seconds (see Program 10-4, LED 03) while the Supervisor is monitoring the ACD call. The Agent LCD displays MONITOR BY SUPRV when this option is enabled.</p>
Queue Status	[PDN] + #404XX		X	<p>Program these speed dial buttons on the Supervisor's telephone to enable quick access to Queue Status, Agent Status, and one-touch Supervisor log in.</p> <p>(XX = ACD Group 01-16)</p>
Agent Status	[PDN] + #405XX		X	
Reset Queue Alarm	448		X	Used to reset a queue alarm that is sent to the Supervisor telephone when the number of calls in queue exceeds the limits of queue alarm parameters (see Programs 14-71-73, 14-8, 11-6, and 11-7 for queue alarm parameters).

ACD Feature Button Designation	Feature Code	Program on Agent Telephone	Program on Supervisor Telephone	Notes
Supervisor Call	Program [PDN] in Program 39		X	<p>This is the [PDN] of the Supervisor telephone. Supervisor telephones do not require a unique [PhDN] like Agent telephones.</p> <p>Toshiba recommends programming more than one [PDN] onto Supervisor telephones to enable Agent Help (assistance) calls to ring busy Supervisor telephones.</p> <p>Also program Agents with Busy Station Transfer and Supervisors with Busy Station Ring (see Program 35 BST and BSR).</p>

Speed Dial Codes	Speed Dial Code	Program on Agent Telephone	Program on Supervisor Telephone	Notes
RCTUBA/BB, C/D (station)	* 10~* 49	X	X	All of the above ACD Features can be programmed onto SD buttons or onto speed dial codes. This table shows the range of Station and System Speed Dial Codes by processor.
RCTUBA/BB, C/D (system)	* 600~* 699	X	X	
RCTUE/F (station)	* 100~* 139	X	X	
RCTUE/F (system)	* 200~* 999	X	X	

Automatic Call Distribution

Program 39 – Flexible Button Assignments for ACD Telephones

Program 16 – Assign CO Line Groups

This program assigns CO line groups (or Dial 9 groups). Refer to this program only for BRI lines. Do *not* make changes to trunk groups assigned in

as PRI type. These will be assigned automatically when PRI programming is entered. The system record sheet is on [Page 29](#) of this manual.

Program *16 – ISDN Trunk Group Type Assignment

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI, BRI

Initialized Default: Type 1 (non-ISDN)

* # * # 1 * 2 * 3 - Spkr * 1 6 Hold - Spkr [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = Trunk Group Number

TYPE = 1~3 (see below)

1 - non-ISDN Trunk Group (default)

2 - PRI Trunk Group

3 - BRI Trunk Group

Trunk Groups																Value	Trunk Group Type	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
																	1	Non-ISDN
																	2	Primary Rate Interface (PRI)
																	3	Basic Rate Interface (BRI)

Program *42 – Clock Source

Processor Type: DK40i, All RCTUs (Release 4.0 or higher). For Release 3.1 and earlier programming, see below.

Program Type: System, T1, PRI, BRI

Initialized Default: Blank

* # * # 1 * 2 * 3 - Spkr * 4 2 Hold - Spkr [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1 or 2
 1 - Primary Source
 2 - Secondary Source

Circuit Number
 PRIMARY = or SECONDARY =
 Slot Number (Release 4.0 entry. Not used for release 3.1 or earlier versions.)

Clock Source	Slot Number	Circuit No.
Primary		
Secondary		

Program *42-1 – Primary Timing Reference Assignments (Release 3.1 and earlier)

Initialized Default: Primary = 1, Secondary = 2

* # * # 1 * 2 * 3 - Spkr * 4 2 Hold - Spkr [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1 or 2
 1 - Primary Source
 2 - Secondary Source

RDTU PCB Number (1~8)
 Enter the RDTU PCB number that is connected to the primary reference T1 (span line) clock source.
 Press LED Button 01 (blank) if the DK424 T1 is the master (free run) clock source.

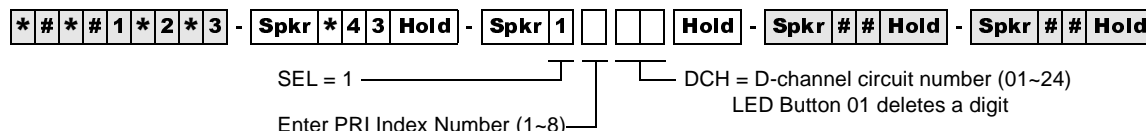
Select	RDTU PCB Number
Primary	
Secondary	

Program *43-1~3 – D-Channel Control and NFAS Assignments

Processor Type: All RCTUs (Release 4.0 or higher)

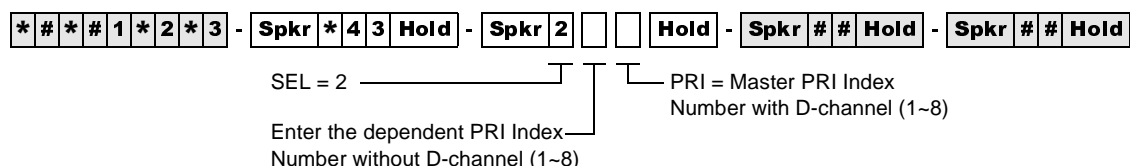
Program Type: System, PRI

Initialized Default: Blank (see Important! below)

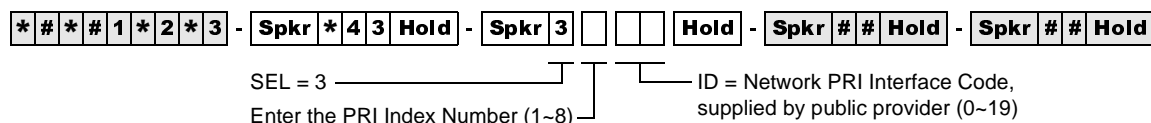


PRI Index	*43-1 D-Channel Circuit No.	*43-2 Master PRI Index	*43-3 Network PRI Interface ID Code

Program *43-2 – Non-Facility Associated Signaling (NFAS) Assignment



Program *43-3 – Network PRI Interface Assignment



Program *44 – BRI Service Profile Identifier (SPID) Parameters

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, BRI

Initialized Default: Blank



SEL = BRI Trunk Number

Enter SPID Value (20 digits max.).
Use Button LED 01 to enter a blank.

DATA = SPID Type (0~2)

- 0 - Non-initializing trunk (NIT)
- 1 - one SPID for the interface
- 2 - one SPID for each B-channel

BRI Trunk Number	SPID Type	SPID Value

Program *60 – BRI Line/Station Operation Assignment

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: System, BRI

Initialized Default: All LEDs OFF

* # * # 1 * 2 * 3 - Spkr * 6 0 Hold - Spkr Hold - Spkr # # Hold - Spkr # # Hold

SEL = Slot No. LEDs 1~4 = Circuits 1~4 (see legend below)

LED	RBSU Circuit	LED ON	LED OFF
1	1	CO Line (TE)	Station Operation (NT) (default)
2	2	CO Line (TE)	
3	3	—	
4	4	—	

Note Power must be cycled OFF, then ON before changes take effect.

LEDs	Slot 1				Slot 2				Slot 3				Slot 4				Slot 5				Slot 6				Slot 7			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1																												
2																												
3																												
4																												



Program *61 – Analog Trunk Services for ISDN

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: see below

*	#	*	#	1	*	2	*	3	-	Spkr	*	6	1	Hold	-	Spkr					#			Hold	-	Spkr	#	#	Hold	-	Spkr	#	#	Hold
---	---	---	---	---	---	---	---	---	---	------	---	---	---	------	---	------	--	--	--	--	---	--	--	------	---	------	---	---	------	---	------	---	---	------

SEL = Type of Service (1~3)

- 1 - Bearer Service
- 2 - Outgoing Call Pad Level
- 3 - Incoming Call Pad Level

Enter the trunk number(s) being defined.
To add a range, enter XXX*XXX (low trunk number * high trunk number).

Enter the Bearer Service:

- 0 = 3.1 kHz Audio
- 1 = Speech (default)

DATA = For *61-2 and *61-3, enter Pad Level (default is 2). See legend below.

Data	Pad Level (db)
0	0
1	-3
2	-6
3	-9

Data	Pad Level (db)
4	-12
5	-15
6	-18
7	+3

Trunk Number	Bearer Service *61-1	Outgoing Pad Level *61-2	Incoming Pad Level *61-3

Program *62 – Non-ISDN Station Bearer Service

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: System, PRI and BRI

Initialized Default: see below



##1*2*3 - Spkr *62 Hold - Spkr [] [] [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1~3
 1 - Bearer Service
 2 - Outgoing Call
 3 - Incoming Call

Station Logical Port Number

DATA = Bearer Service (0 or 1)
 0 - 3.1 kHz Audio (faxes)
 1 - Speech

For options 2 and 3, enter the Pad Level. See legend below.

Enter the port number(s) being defined. To add a port range, enter XXX*XXX (low port * high port).

Data	Pad Level (db)
0	0
1	-3
2	-6
3	-9

Data	Pad Level (db)
4	-12
5	-15
6	-18
7	+3

*62-1 Bearer Service	*62-2 Outgoing Pad Level	*62-3 Incoming Pad Level	Station Ports

Program *63 – ISDN Dialing Parameters

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: System, PRI and BRI

Initialized Default: 4 seconds

##1*2*3 - Spkr * 6 3 Hold - Spkr [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1 or 2 (see table below) DATA = Seconds (see table below)

Select	Timeout Parameter	Value	Comments
1	Sub-address dialing		Value 00 to 10 seconds (default 04)
2	Outdialing		Value 02 to 10 second (default 04)

Program *64-1 – Direct Inward Dialing Parameters

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: LED 01 ON for DID or DNIS programming

##1*2*3 - Spkr * 6 4 - Hold - Spkr 1 [] # [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1 ———— LED 01: ON = Use DID/DNIS tables in Programs *09 or 71
 Enter the trunk group(s) ———— OFF = Use direct ringing tables in Programs 81-89, *81, *84, *87
 To add a range of trunk groups, enter XX*XX (low trunk group * high trunk group)

LED	LED ON	LED OFF
01	Use DID/DNIS for incoming calls.	Direct ring the called station.

Trunk Groups	Ports	LEDs
		01
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

Program *64-2 – Number of DID/DNIS Digits for Trunk Groups

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: System, PRI and BRI

Initialized Default: Blank

* # * # 1 * 2 * 3 - Spkr * 6 4 Hold - Spkr 2 # Hold - Spkr # # Hold - Spkr # # Hold

SEL = 2
Enter Trunk Group Number

DATA = Enter the number of digits to use for incoming call DID digits (2-5)

To add a range of trunk groups, enter XX*XX (low trunk group * high trunk group)

Trunk Groups	Number of DID Incoming Call Digits per Trunk Group
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	



Program *65 – ISDN Channel Group Assignment

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: System, PRI

Initialized Default: All LEDS OFF (see Important! below)

Note Program *65 must be assigned before entering Program*66.

* # * # 1 * 2 * 3 - Spkr * 6 5 Hold - Spkr Hold - Spkr # # Hold - Spkr # # Hold

SEL = Channel Group (1~8)

GRP = Light LEDs to select PRI B-channels for the channel group.

Press **Scroll** to advance or **Page** to go back.

ISDN B-channel Lines	RCTUA	RCTUBA/BB	RCTUC/D	RCTUE/F
PRI (T)	23	47	141	188

Channel Group	CO Line Ports (B-Channels)																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				

Program *66-1 – Channel Group Number Parameters

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank

Note Program *65 must be assigned before entering Program *66. If Program *65 changes, then this program will be affected. Program *66 defaults back to the settings in Program *65.

* # * # 1 * 2 * 3 - Spkr * 6 6 Hold - Spkr 1 [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 1 ————┐
 Enter the ISDN Trunk Group Number —┐
 CHGP = Channel Group Number (1~8)

Trunk Groups															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

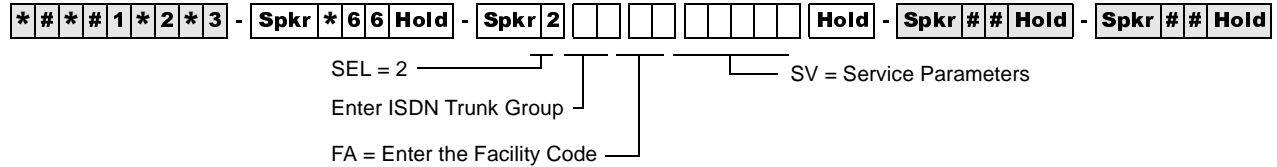


Programs *66-2 and *66-4 – Call-by-Call Trunk Group Codes and Network ID

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank



Trunk Group	Facility Code	Service Parameters	Carrier Code (Prog. *66-4)
1			
2			
3			
4			
5			
6			
7			
8			

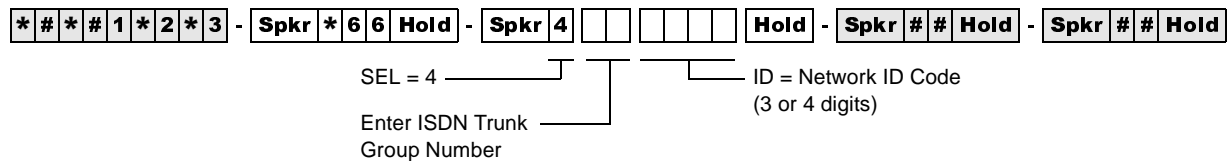
Trunk Group	Facility Code	Service Parameters	Carrier Code (Prog. *66-4)
9			
10			
11			
12			
13			
14			
15			
16			

Program *66-4 Call-by-Call Network ID

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank



Record Sheet

Use the record sheet for Program *66-2.

Program *66-3 – Channel Group/Trunk Parameters

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank

##1*2*3 - Spkr *66 Hold - Spkr 3 [] [] [] Hold - Spkr ## Hold - Spkr ## Hold

SEL = 3 ————
 Enter the ISDN Trunk Group Number (01~16)
 DATA = Light LEDs to assign features. See tables below.

LEDs 03~06 specify the trunk types shown in the following table.

LEDs	POTS	FX	Tie (senderized)	Tie (cutthrough)	OutWATS (IntraLATA)	OutWATS (InterLATA)	InWATS
03		ON			ON	ON	
04			ON	ON	ON	ON	
05							ON
06				ON		ON	

LEDs	Setting	Trunk Groups																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
01	ON: Operator Calls Allowed/ OFF: Not allowed																	
02	ON: Carrier Access allowed OFF: Not allowed																	
03	Trunk Group Type (see above table).																	
04	Trunk Group Type (see above table).																	
05	Trunk Group Type (see above table).																	
06	Trunk Group Type (see above table).																	
07~10	Not Used																	
11	ON: Called Party Number Type Unknown OFF: Standard Called Party Number Type																	
12	ON: DK sends Ringback Tone to Network OFF: No RBT to Network. (Default is ON.)																	
13	ON: DMS CO switches only OFF: Belcore (default is OFF.)																	

ISDN

Program *66-5 – Line Directory Number (LDN) Registration

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: Blank



SEL = 5

Enter the Channel Group

0 = BRI
1-8 = PRI

Enter LDN Index (01~48)

LDN = Listed Directory Number

Use LED Button 01 to enter a blank.
Wild card (*) entries are valid.

Ch. Group	LDN Index	LDN

Ch. Group	LDN Index	LDN

Ch. Group	LDN Index	LDN

Program *66-6 – LDN/Trunk Group to Channel Group Assignments

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: Blank

ISDN

* * * 1 * 2 * 3 - Spkr * 6 6 Hold - Spkr 6 [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 6
Enter the Channel Group Number:
0 = BRI; 1~8 = PRI
Enter the LDN Index (1~48)

GRP = Select ISDN trunk ports for each LDN index.
Press **Page** or **Scroll** for the next CO line ports.

Channel Group	Index	CO Line Ports

Channel Group	Index	CO Line Ports

Channel Group	Index	CO Line Ports

Program *66-7 – LDN/Trunk Group Assignments

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank

* # * # 1 * 2 * 3 -
Spkr * 6 6 Hold -
Spkr 7

Hold -
Spkr # # Hold -
Spkr # # Hold

SEL = 7
Enter the Channel Group Number (1~8)
Enter the LDN Index (1~48).
See Program *66-5

DIR = Trunk Group (1~16).
0 = blank. The lowest POTS trunk group is used.

Channel Group	LDN Index	Trunk Groups															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Program *67-1 – Trunk Group Call Direction

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Both Way

##1*2*3 - Spkr *67 Hold - Spkr 1 [] [] [] Hold - Spkr ## Hold - Spkr ## Hold

SEL = 1 ————
 Enter the Trunk Group
 (01~16)

DIR = Call Direction
 1 = Incoming
 2 = Outgoing
 3 = Both Way

Value	Trunk Groups																Call Direction
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1																	Incoming
2																	Outgoing
3																	Both Way



Program *67-2 – Call Types for ISDN Trunk Group Supported

Processor Type: All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI

Initialized Default: Blank

* * * 1 * 2 * 3 - Spkr * 6 7 Hold - Spkr 2 [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SEL = 2 ————— Turn on LEDs 01~04 to select the call type. See table below.

Enter the Trunk Group (01~16) —————

Enter the Time Zone (1~3) —————

For Rel. 4.0, enter 1

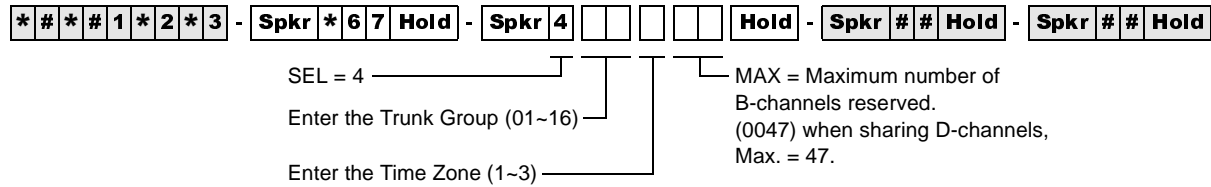
Trunk Groups	Time Zone	Speech LED 01	3.1 kHz Audio LED 02	64 kbps. Data LED 03	56 kbps. Data LED 04
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Program *67-4 – ISDN Trunk Groups Maximum Channel Reservation

Processor Type: All RCTUs (Release 4.1 or higher)

Program Type: Trunk, PRI

Initialized Default: 23 maximum default channels

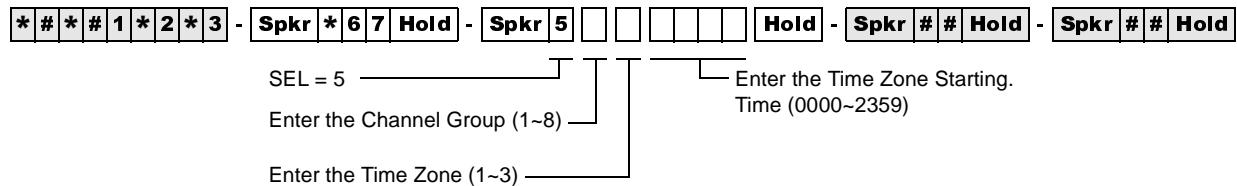


Program *67-5 – Multiple Time Zone Settings

Processor Type: All RCTUs (Release 4.15 or higher)

Program Type: Trunk, PRI

Initialized Default: Default = 0000

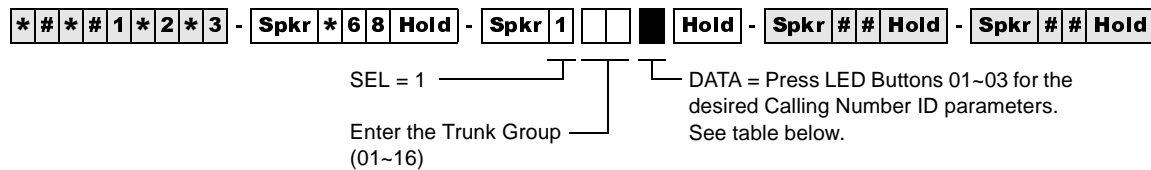


Program *68-1 – Calling Number ID Presentation Parameters

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: all LEDs OFF



LED	Caller ID Setting	Trunk Groups															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Outgoing Caller ID (ON = Allowed / OFF = Not Allowed)																
2	Outgoing Caller ID Status Change: ON = Allowed / OFF = Not Allowed																
3	Incoming Caller ID Source: ON = Network Provided OFF = Caller Provided																

Program *68-2 – Outbound CNIS Parameters

Processor Type: DK40i, All RCTUs (Release 4.0 or higher)

Program Type: Trunk, PRI and BRI

Initialized Default: Blank

* # * # 1 * 2 * 3 -
 Spkr * 6 8 Hold -
 Spkr 2 -
 Spkr # # Hold -
 Spkr # # Hold

SEL = 2
 Enter the Trunk Group (01~16)

CPN = Enter the Calling Party
 Number (CPN) 10 or 11 digits.

Trunk Groups	Calling Party Number
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	



ISDN

*Program *69-2 – Special Number Assignment*

Program *11-0 – E911/CAMA Trunk Assignments

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: all LEDs OFF

* # * # 1 * 2 * 3 - Spkr * 1 1 Hold - Spkr 0 Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 0 Light the LED Buttons that are marked with an X in the table below.
ON=Enabled. OFF=Disabled.

LED/ Button	X	LED ON	LED OFF
11		E911 enabled	E911 disabled
10		CAMA trunk 4 not used	CAMA trunk 4 used
09		CAMA trunk 3 not used	CAMA trunk 3 used
08		CAMA trunk 2 not used	CAMA trunk 2 used
07		CAMA trunk 1 not used	CAMA trunk 1 used
06			
05			
04			
03		No internal notification	Internal notification provided
02		CAMA trunk Control Disconnect	Normal disconnect
01		Seven CESID Digits	Ten CESID Digits

Program *11-1 – CAMA Trunk Group Line Assignments

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: all LEDs OFF

* # * # 1 * 2 * 3 - Spkr * 1 1 Hold - Spkr 1 Hold - Spkr # # Hold - Spkr # # Hold

CAMA Trunk Group (01~08) Line circuit number of CAMA trunk: Turn ON LED of line that corresponds to the CAMA trunk position in the system.

Processor	CO Line Range
DK14	001~004
DK40i	001~012
RCTUA	001~016

Processor	CO Line Range
RCTUBA/BB	001~048
RCTUC/D	001~144
RCTUE/F	001~200

CAMA Trunk Group	CO Line Numbers of CAMA Trunks			
01				
02				
03				
04				
05				
06				
07				
08				

Program *11-2 – CAMA Trunk Group Hunting Assignments

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: Blank

* # * # 1 * 2 * 3 - Spkr * 1 1 Hold - Spkr 2 Hold - Spkr # # Hold - Spkr # # Hold

Hunt from CAMA Trunk Group (01~08) DATA = Hunt to CAMA Trunk Group (01~08)

Hunt from CAMA Trunk Group	Hunt to CAMA Trunk Group
01	
02	
03	
04	
05	
06	
07	
08	

Program *11-5 – CAMA Digits Sent on 911 Calls

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: 911

##1*2*3 - Spkr * 1 1 Hold - Spkr 5 Hold - Spkr ## Hold - Spkr ## Hold

SELECT = 5 CAMA digits sent if user dials 911 (911, 11, 1)
Use LED button 01 to blank out 9 or 91

X (choose 1)	CAMA Digits Sent
	911
	11
	1

Program *11-6 – E911 Interdigital Timer

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: Data, 2 seconds

##1*2*3 - Spkr * 1 1 Hold - Spkr 6 Hold - Spkr ## Hold - Spkr ## Hold

SELECT = 6 DATA = interdigital time delay before routing calls after 9XX (01~15 seconds).
If X=1, timer resets
If X=0, 2~9, digits are routed/sent normally

DATA (01~15 secs.)



Program *11-8 – 911 Special [DN] Notification Assignments

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: Data, Blank

* # * # 1 * 2 * 3 - Spkr * 1 1 Hold - Spkr 8 [] [] [] Hold - Spkr # # Hold - Spkr # # Hold

SELECT = 8 ———— [PDN] or [PhDN] port number that should ring to be notified when 911 is dialed by a station (*71, *72 or *73 required for ringing)

1 = Day Mode ————

4 = Day2 Mode

7 = Night Mode

Processor	[PDN] Port Range	[PhDN] Port Range
DK14	000-009	500-509
DK40i	000-027	500-527
RCTUA	000-031	500-531

Processor	[PDN] Port Range	[PhDN] Port Range
RCTUBA/BB	000-079	500-579
RCTUC/D	000-239	500-739
RCTUE/F	000-335	500-835

Mode	[DN] Port Number
Day	
Day2	
Night	

Program *12 – CESID Station Information

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: Data Blank

*	#	*	#	1	*	2	*	3	-	Spkr	*	1	1	Hold	-	Spkr				X	...	X	Hold	-	Spkr	#	#	Hold	-	Spkr	#	#	Hold
---	---	---	---	---	---	---	---	---	---	------	---	---	---	------	---	------	--	--	--	---	-----	---	------	---	------	---	---	------	---	------	---	---	------

Station Port Number (see legend)

X = Location CESID digits to send on CAMA trunk when station dials 911 (0~10 digits max.) See Program *11, LED 01 for 7 or 10 digits.

Processor Type	Port Range
DK14	008-009
DK40i	008-027
RCTUA	000-031

Processor Type	Port Range
RCTUBA/BB	000-079
RCTUC/D	000-239
RCTUE/F	000-335

Port	Location CESID Digits

Port	Location CESID Digits

Port	Location CESID Digits

Port	Location CESID Digits

Program *13 – Station To CAMA Trunk Group Assignment

Processor Type: All RCTUs (Release 4.0)

Program Type: System

Initialized Default: Data Blank

##1*2*3 - Spkr * 1 3 Hold - Spkr [][] # [][] Hold - Spkr # # Hold - Spkr # # Hold

Station Port Number [][]
(see legend)

E911 Station CAMA Trunk Number (01~08)

Processor Type	Port Range
DK14	008~009
DK40i	008~027
RCTUA	000~031

Processor Type	Port Range
RCTUBA/BB	000~079
RCTUC/D	000~239
RCTUE/F	000~335

Port Number	Station Group

Port	Location Information Digits

Port	Location Information Digits

Port	Location Information Digits