R T S TW

RTS™

R T S Two **W**ire **S**eries

i n n o v a t i n g   t h e   f u t u r e   o f   c o m m u n i c a t i o n s

Communications is the backbone of virtually every successful operation, and the bane of those that fail. Reliability, durability and flexibility are the factors that count. RTS TW's innovative intercom systems have been the industry standard "can't fail" communications system for over 30 years. Our patented two channel on standard microphone cable technology offers RTS users a distinct competitive advantage. With countless installations in Studio Broadcast, Remote Production, Board Rooms, Theaters, Arenas, Military Installations, Stadiums, Training Facilities and many others, RTS is the time proven technology that professionals rely on to stay connected. With our vast industry and engineering experience we understand your needs. That's why at RTS we are innovating the future of communications for you.

M A S T E R
S T A T I O N S

RTS Two Wire Series

RTS™ Series 800 Master Stations have been the industry standard of advanced professional party line communication systems for over 25 years. With their flexible configurations, ease of use and legendary reliability, they are the elite core communications control tool. RTS Master Stations are installed in major broadcast and industrial application venues world wide. With unparalleled industry acceptance there is no other product that offers this level of comprehensive communications control with virtually no learning curve.

R T S 8 0 3

12 Channel fully programmable master station. The successor to the industry standard 802, the 803 is the top of the line station for advanced party line system communications control. Features individual front panel listen adjusts, expanded preset capability and user selected VOX operation. Fully programmable from the front panel, the 803 can be programmed to operate in 4 wire mode with full IFB and ISO options. Standard offerings include six programmable group set up buttons, call light and remote mic off functions. Many differing options may be added for further versatility and user customization.

R T S 8 1 0

10/5 Channel master station. Available from the factory in two communications configurations, the 810 is flexible and affordable. Operating in CL (conference line) mode the 810 supports 10 distinct intercom channels. In CTL (Control Talk Listen) mode the 810 supports five distinct intercom lines with full control of talk and listen variables. Features the ability to simultaneously talk to all channels via a convenient "All Talk" button for system paging. Optional panel microphone is available. Speaker sold separately.

FOR MORE INFORMATION
CALL 1-877-863-4169

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P S 3 1

System power supply. Provides three independent powered output channels at 32VDC up to 1.5 amps, program audio inputs and full system status indicators. Features unique circuitry that protect outputs from short circuit conditions with automatic and instantaneous recovery when short is removed. Powers an average of 15 stations per channel for a total of 45. Packaged in a 2 RU by 1 rack all metal housing with a verity of output connectors for multiple-channel configurations.

P S 1 5

System power supply. Provides two independent output channels, one powered at 32VDC up to 1 amp and one "dry" and program audio. Features unique circuitry that protect outputs from short circuit conditions with automatic and instantaneous recovery when short is removed. Powers an average of 15 stations. Packaged in 1/2 rack by 1 RU all metal housing for added durability.

B P 3 2 5

Two channel, binaural, portable beltpack headset station. Features a user programmable microprocessor assisted interface for the highest degree of flexibility and versatility. Allows stereo (split-feed) or mono operation. Includes individual talk/listen buttons, program input with level adjust, A4F/A5F headset connectors, remote mic off feature and call light in a rugged, high impact polycarbonate case.
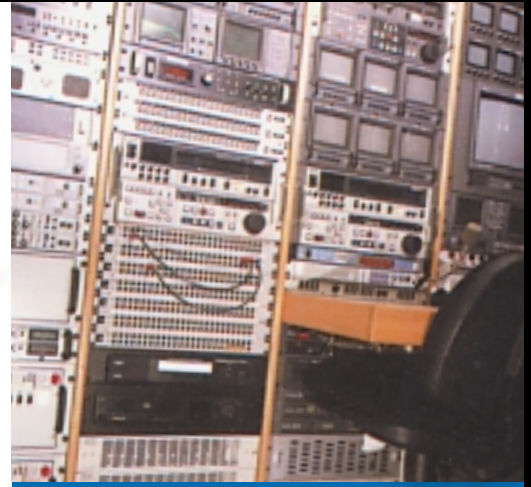
B P 3 5 0

Two channel, portable beltpack headset station. Features a user programmable microprocessor assisted interface. Allows mono operation. Includes channel select button, remote mic off feature, separate talk button and call light in a extruded aluminum case.

B P 3 1 8

Single channel, portable beltpack headset station. Features a user programmable microprocessor assisted interface. Includes talk button, remote mic off feature and call light in a extruded aluminum case.

P O W E R
S U P P L I E S

Power supplies are the heart of party line intercom systems. They supply operating voltage to beltpacks and many user stations. Unique short circuit reset circuitry design and unparalleled mechanical engineering ensures reliable trouble-free operation for years to come. With all of the things you have to worry about, your power supplies shouldn't be one of them.

B E L T P A C K S

Utilizing the latest in space age materials, RTS beltpacks are mechanically engineered to be brutally rugged and dependable. Unique audio circuitry is perfect for either high or low noise environments while maintaining maximum voice intelligibility.

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U   S   E   R
S   T   A   T   I   O   N   S

RTS™ User Stations employ a unique modular design that enables a few station types to be configured into a multitude of communications solutions. Rugged and dependable RTS User stations form the widest variety of stationary communications stations in the industry. RTS User Stations are the perfect choice for a wide range of applications regardless of what physical profile is required.

M   C   E   3   2   5

Programmable 4 Channel user station. Features a user programmable microprocessor assisted interface for the highest degree of flexibility and versatility. Unique modular design supports five different package arrangements. Includes microphone limiter circuit, two powerful headphone amps, silent channel-select switching, VOX operation GPI out, IFB/ISO and simplified operational controls. User can talk independently or simultaneously on either two, three, or four channels. Part of RTS's unique modular packaging system in 1/2 rack by 1 RU metal housing for added durability.

M   C   S   3   2   5

Modular speaker. Can be combined with MCE-325 and MRT-327 to provide speaker station operation. Part of RTS's unique modular packaging system in 1/2 rack by 1 RU metal housing for added durability.

M   R   T   3   2   7

2 Channel select user station. Unique modular design supports five different package arrangements. Inherent operational simplicity makes the MRT-325 a perfect choice for a wide variety of intercom applications. Features microphone limiter circuit, separate headphone and speaker amps and silent channel-select switching. Packaged in 1/2 rack by 1 RU metal housing for added durability.

R   M   3   2   5

2 Channel binaural headset station. Unique modular design supports five different package arrangements. Features Stereo (split feed) operation, microphone limiter circuit, two powerful headphone amps and simplified operational controls including individual volume adjusts. Packaged in 1/2 rack by 1 RU metal housing for added durability.

L M S 3 2 5

Line monitor speaker station. Part of RTS's unique modular packaging system. Features a full range 5 Watt speaker and power amp, dual channel inputs from TW or separate program inputs and volume control. Packaged in 1/2 rack by 1 RU metal housing for added durability and magnetically shielded for use near video monitors.

S P K 3 0 0 L

2 Channel select portable speaker user station. Can be used as a "public" listen box via built in speaker or privately through the headset connection. Features channel select switch, call light, speaker on/off switch and dual purpose volume control. Packaged in a rugged all metal housing perfect for table-top operation.

C M 3 0 0 L

2 Channel select console mount user station. Features microphone limiter circuit, separate dynamic and carbon microphone input and silent channel-select switching. Solid metal front and open back for console mounting.
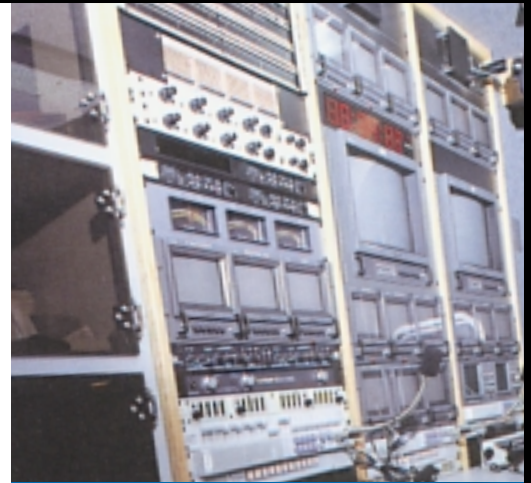
W M 3 0 0 L

2 Channel select wall mount headset station. Features channel select switch, call light and headset volume control. Fits in standard 2-gang outlet box.

W M S 3 0 0 L

2 Channel select wall mount speaker user station. Can be used as a "public" listen box via built in speaker or privately through the headset connection. Features channel select switch, call light, speaker on/off switch and dual purpose volume control. Fits in standard 4-gang outlet box.

U S E R
S T A T I O N S

RTS User Stations are able to access between 2 and 4 channels (depending on model) with enhanced user friendly front panel interfaces that make operation simple. Unique circuit design and surface mount technology make RTS User Stations the most reliable and flexible communications control stations in the world. Speech intelligibility, easy access to multiple channels and flexible configurations make RTS User Stations the choice of communications professionals world wide.

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R T S   T W
I F B / I S O

IFB, or Interrupt Fold (sometimes Feed) Back is predominately a television broadcast term used to describe the process of cueing talent while they are on air. RTS™ IFB equipment is designed with a modular approach that meets the needs of not only large television networks, but also can be configured for any one way communications need. With multiple program audio sources, individual or simultaneous interrupts and rugged durability, the RTS series of IFB and ISO products is perfect for any talent cueing need.

4 0 0 1

4 Channel IFB Control station. Controls up to 4 separate talent feeds plus 1 stage announce send. Features two distinct audio sends per IFB channel for interrupt/non-interrupt or multiple program feeds. Optional on board microphone available for stand alone operation. Optional rack kit is also available.

4 0 0 2

8 Channel IFB Control station. Controls up to 8 separate talent feeds plus 2 stage announce sends. Features two distinct audio sends per IFB channel for interrupt/non-interrupt or multiple program feeds. Optional on board microphone available for stand alone operation. Optional rack kit is also available.

4 0 0 3

12 Channel IFB Control station. Controls up to 12 separate talent feeds plus 3 stage announce sends. Features two distinct audio sends per IFB channel for interrupt/non-interrupt or multiple program feeds. Optional on board microphone available for stand alone operation. 1 RU for convenient rack mounting.

4 0 1 0

Central IFB electronics station. Contains all necessary control functions and electronics including line power, to provide the active link between the 4001, 4002 and 4003 control stations and the 4030 and IFB-325 user stations.

4 0 3 0

Listen only IFB Earset™ station. Contains electronics to provide a stereo audio signal to the user. Features individual volume controls in an extruded aluminum case.

I F B 3 2 5

Listen only IFB Earset™ station. Provides a mono (either interrupt or non/interrupt selected at 4010) audio signal to the user. Can be used on a standard RTS TW intercom line as a listen only station. Features volume control in an extruded aluminum case.
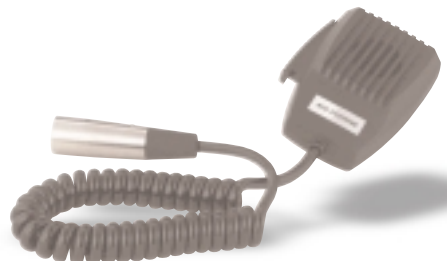
S S A 4 2 4

Provides 2 independent channels of 2 wire (TW) to 4 wire hybrids in a 1/2 rack wide by 1 RU package. The TW interface is suitable for balanced and unbalanced systems, allowing RTS party line or Matrix systems to interface to virtually ANY party-line intercom system in use today. Option card allows translation of call lights and two-way radio interfacing. Easy to read front panel level meters make matching audio levels simple, and the RTS advanced DSP hybrid eliminates all need for manual nulling, even under varying loads.

S S A 3 2 4

Provides 2 independent channels of 2 wire (TW) to 4 wire hybrids in a 1/2 rack wide by 1 RU package. The TW interface is suitable for balanced and unbalanced systems, allowing RTS party line systems to interface to virtually ANY party-line intercom system in use today. Features system to system level, duck and null adjusts with front panel headset connector for use during setup. Option card allows translation of call lights and two-way radio interfacing.

M C P 7

Hand-held microphone with 6 pin connector. Used with MCE-325 and SPK-300 user stations. Ergonomic designs fits comfortably in user's hand. Requires a modular speaker station for headset free use.

R T S   T W
I N T E R F A C E S

RTS interfaces feature a unique multifaceted design concept that enables them to be used for multiple interface requirements. Part of RTS's modular design concept, RTS interfaces are rugged, reliable and extremely flexible. Each interface has an ergonomically designed front panel user interface for unparalleled ease of use and convenient rear connections to make any communications transition simple.

FOR PRODUCT SPECIFICATIONS
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R T S   T W

ACCESSORIES

RTS™ TW intercom systems with their modular design and flexible, ergonomic user interfaces are the most versatile party line intercom system in the world. RTS accessories are additional products that are designed to make implementing your RTS system convenient and trouble free. Like all RTS products our full line of intercom accessories is built to withstand the rigors of daily industry use and offer worry-free operation for years to come.

BOP220

Break out panel, I/O connector transition assembly. Provides a convenient interface between a SAP-1626 (25 pair 50 pin) and up to 20 user stations or strings of stations (3 pin XLR male).
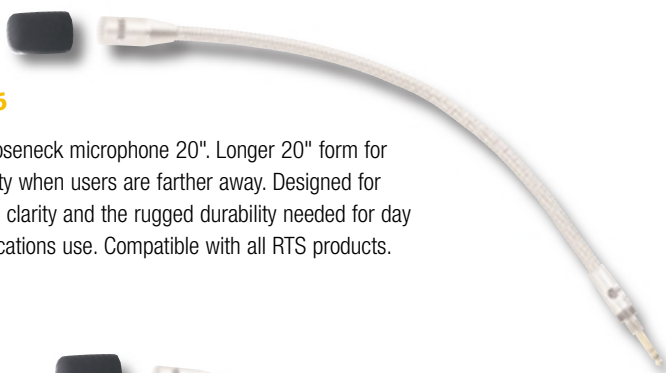
4012

System interconnect, 50 pin to 3 pin XLR connector transition assembly. Used with the 800 Series master stations. Translates the 50 pin connectors to 12 3-pin XLR male connectors. Additional connectors are provided to apply power to XLR connectors.
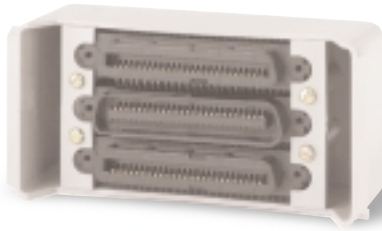
MCP6

Panel mount gooseneck microphone 20". Longer 20" form for better intelligibility when users are farther away. Designed for excellent speech clarity and the rugged durability needed for day to day communications use. Compatible with all RTS products.

MCP5

Panel mount gooseneck microphone 12". Shorter 12" form for close in applications. Designed for excellent speech clarity and the rugged durability needed for day to day communications use. Compatible with all RTS products.

4 0 2 2

1 x 2 25 pair, 50 pin passive splitter.
Used to interconnect two 800 Series
master stations or 4000 Series IFB
system control panels.

4 0 2 4

50 pin punch down connecting
block. Used with 800 Series master
stations to allow punch down
connectivity through standard
telecommunications cable.

4 0 2 5 A

1 x 4 25 pair, 50 pin passive splitter.
Used to connect multiple 800 Series
master stations or 4000 Series IFB
systems control panels.

C I A 1 0 0 0

Call light indicator. Available in Black or RTS gray. Features top mounted (standard)
or front mounted (optional) red flashing call light. Offers channel select control,
line and loop connectors, and spring clamp terminals for relay closure output in a
1/2 rack wide by 1 high package. Ideal for high noise applications or when users
cannot monitor headsets full time such as theater or touring sound.

R T S T W
A C C E S S O R I E S

*With a host of interconnection
possibilities, RTS accessories offer a
wide range of connector and form
factor options. Our new CIA-1000
call light indicator allows users to
operate in high noise environments or
in areas where a headset cannot be
worn full time. The CIA-1000 is
just another example of how RTS
designs and builds products to meet
our customers' specific needs. We put
our experience to work for you!*

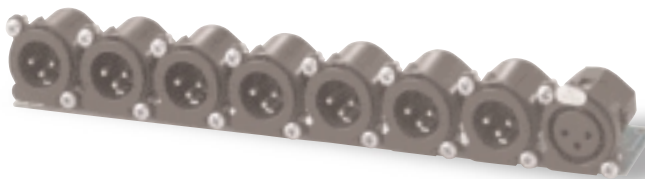FOR PRODUCT SPECIFICATIONS
CALL 1-877-863-4169

T W 5 W

1 x 5 Two channel 3 pin XLR type Passive Splitter.
Features a rugged metal box for portable floor interconnect.

T W 7 W

1 x 7 Two channel 3 pin XLR type Passive Splitter. Features a
rugged metal box for portable floor interconnect. Optional rack
mount panel (BOP1000) is available.

S A P 6 1 2

Source assignment panel. Transforms a basic two bus intercom system into a 6
bus system via convenient matrix slide switches. Provides six input channels and
24 output channels. I/O provided via two 1/4 inch, three 3 pin XLR female and
twelve 3 pin XLR male connectors. Contains XLR jacks for RTS power supply.
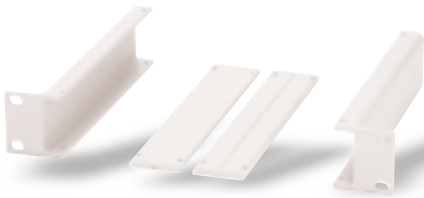
S A P 1 6 2 6

Source assignment panel. Assigns any one of 12 intercom channels and/or three
program audio channels to 26 separate 2-channel user stations via convenient matrix
thumb wheel switches. I/O provided via two 50 pin connectors. Normally used in
conjunction with a BOP-220

R T S   T W
A C C E S S O R I E S

RTS™ source assignment panel accessories are a key element in large, high end TW party line systems. With the ability to turn a standard two bus communications system into a 12 or more bus configuration, SAPs are vital to system expansion. Increasing the number of usable communications busses allows the system to be better tailored to individual user needs.

FOR MORE INFORMATION
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W P 1

Wall plate passive junction box. Male 3 pin XLR connector. Has a standard male XLR3 for convenient interconnect. Black in color.
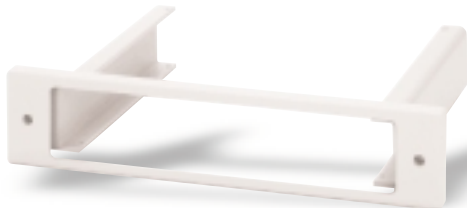
M C P 1

Rack mount kit for 2 main (modular style) components. Comes with 1/4 inch to 1/4 inch link cable.
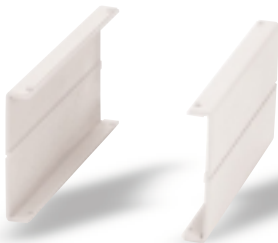
M C P 2

Rack mount kit for 1 main (modular style) component.

M C P 3

Console mount kit for 1 main (modular style) component.

M C P 4

Tandem mount kit for 2 main (modular style) components. Comes with 1/4 inch to 1/4 inch link cable.

M C P 8

Side Channels (1 pair). Used to cover the side slots in the modular series packages.

M O U N T I N G
B R A C K E T S

Mounting brackets are the key to the RTS modular User Station design concept. By choosing the appropriate mounting kit individual user stations can be combined in numerous configurations to meet virtually any communications need. All mounting kits are engineered and built for rugged durability. All metal construction and attention to mechanical design details make all of the RTS mounting kits a worry-free choice for years to come.

FOR PRODUCT SPECIFICATIONS
CALL 1-877-863-4169

For information on any of the products shown in this catalog please

call **1-877-863-4169**

or visit our web site at
www.rtssystems.com

R a d i o C o m™

The new RadioCom™ BTR-300 wireless intercom has improved front-end filtering that allows the BTR-300 to be used in places where other wireless intercoms simply can't function. Additional filtering capabilities and unique channel assignments allow up to four base stations and 16 separate beltpacks to be used together.

The TT-44/TR-34 wireless IFB system provides a wireless link to on-air talent. The TT-44 is a 16 channel synthesized transmitter. The matching TR-34 is a 16 channel tunable receiver designed to be used with standard IFB earpieces.

Break the chains of wired communications with RadioCom wireless communications systems.

Z E U S™

All the power of a digital matrix intercom in a 2 RU package for the price of a party line intercom system. The RTS Zeus™ 2400 DSP Matrix intercom system provides up to 24 channels of CD quality audio. Each channel is capable of supporting any of the RTS line of matrix key panels, or 4 wire inputs and outputs for program and IFB feeds. The Zeus 2400 system comes complete with Zeus-Edit, Windows®-based, full-featured configuration software, providing on-line and off-line configuration capabilities.

Take control of your communications with Zeus DSP matrix intercom systems.

RTS™

Two Wire Intercom Series

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