Serial Commands

The RAV 600 and RAV 900 accept serial commands through the telnet, RS-232 serial port or USB. The commands in this manual pertain only to the RAV 600 and RAV 900. RS-232 serial port protocol is 9,600, 19,200, 38,400, 57,600 (default) or 115,200 baud; 8 bits, 1 stop bit, no parity.

Conventions

The following typographic conventions are used in this document to describe the different serial commands. Use the Command structure section and the examples as a guide when creating your serial commands.

Convention	Description
<X>	Parameters enclosed in < > indicate a mandatory parameter.
[X]	Parameters enclosed in [ ] indicate an optional parameter.
1-8	Parameters separated by a hyphen (-) indicate a range between the values.
4,7,9	Parameters separated by a comma (,) indicate a list of available values.
BAUD	Words in uppercase bold indicate command text.
DEVICE	Indicates the device type and device ID.

Command structure

Commands can be either UPPERCASE or lowercase. Also, extra spaces or tabs between arguments in text commands are allowed. Return values are always uppercase. In order for a command to be recognized by the serial port, the command must be terminated by a carriage return.

The structure of serial commands is as follows: #TYPE DEVICE COMMAND [X][X]

#	indicates the start of a command line
DEVICE	represents the device type and device number
COMMAND	is the command text
[X][X]	represents any additional options in the order that they appear in the command descriptions that follow
*	placed in the Type ID or Device ID fields, the command applies to all units or all devices respectively.

Example

A command to disable automatic gain control for Mic 2 on a RAV 600 device "0" will have the command line: #90 AGC 2 M 0. In this command line, 9=RAV 600, 0=unit 0, AGC=command, 2=channel, M=Mic input group, 0=off state. If a command calls for a "null" value, leave a blank in the command line. For example, "#90 AGC 2 M" will return the current AGC state of Mic 2 on device 90.

Command responses will have a carriage return line feed. For example, #90 AGC 2 M 0 carriage return line feed.

Groups and channels

The following tables define the relationship between alpha and numeric representations. Text commands use the alpha designation, and binary commands use the numeric. In addition, different groups have different allowable channel ranges.

Group	Alpha	Number	RAV 900 Channel Range	RAV 600 Channel Range
Unknown		0	N/A	N/A
Outputs	O	2	1 – 3 1 is Record Out 2 is Line Out 3 is Speaker Out	1 – 3 1 is Record Out 2 is Line Out 3 is Speaker Out
Microphone Pod	M	3	1 – 3	1 – 3
Line Inputs	L	7	1 – 2 1 is Playback In 2 is Line In	1 – 2 1 is Playback In 2 is Line In
Unit	U	9	0 for Unit Values 1 for Log	0
Matrix	X	11	0	0
	S	13	Phonebook	0
	N	15	2 for HTML skin 3 for Firmware 4 for Directory 5 for Firmware Data	1
Transmit	T	16	1	1
Receive	R	17	1	1
Local Camera	V	19	Sony Mode: 1–7 Canon Mode: 1–9	Sony Mode: 1–7 Canon Mode: 1–9

Type and device IDs

Type ID	Unit type	Device ID range
0x8	RAV 900	0x0
0x9	RAV 600	0x0

Meter type definitions

Alpha	Numeric	Level position for Mic Pods	Level position for Line Inputs	Level position for Outputs	Level position for Telco Transmits	Level position for Telco Receives
A	2	Maximum level of the three microphones on the pod after processing	Level after PEQ and gain	Level after PEQ and gain	Level after gain	Level after gain adjustment
R	5	Echo Return Loss	N/A	N/A	N/A	N/A
E	6	Echo Return Loss	N/A	N/A	N/A	N/A
T	7	ERL + ERLE	N/A	N/A	N/A	N/A

Serial command error codes

Error number	Text message	Explanation/Solution
1	Memory error	The box is out of internal memory. Power cycle the box.
2	No command found	A command was not found in the string.
3	Unknown command	A command was executed on a different device type that this box response can not display. The command dictionary needs to be updated.
4	Not implemented	The command is not implemented.
5	Argument error	The command had an argument that was out of range.
6	Unknown command	The command is unknown to this unit.
7	Bad checksum	The binary command's checksum is wrong.
8	Camera not responding	A preset or macro failed to program because it is too large or because its command list contained an invalid command.
11	Command too big	The binary command is too large.

RAV serial commands

Command	Function
AA	Selects/reports setting of auto answer
AARINGS	Selects/reports setting of the number of rings to auto answer
ACONN	Selects/reports status of audible connect/disconnect indication
AD	Selects/reports setting of auto disconnect
AEC	Selects/reports acoustic echo canceller setting
AECREF	Enables/disables or reports current status of AEC reference
AGC	Selects/reports AGC
BATTERYLVL	Reports battery level on remote
BAUD	Selects/reports the baud rate of the serial port
CALLDUR	Indicates how long a call has lasted
CAMBAUD	Selects/reports baud rate of camera control port
CAMCTRLMODE	Sets/reports camera control port mode
CAMFLOW	Selects/reports flow control of camera control port
CAMMOVE	Sends command to move the camera on the camera control port
CAMPRESET	Executes camera preset
CAMPRESETSET	Sets current position of camera as preset
CAMPRESETSET2	Sets/reports current camera preset
CAMPOSITION	Sets/reports current position of camera on the camera control port
CAMSWITCHLAG	Set the switch time lag for voice tracking
CAMTRACK	Selects/reports camera voice-tracking mode
CAMZOOM	Sets/reports current zoom of camera on the camera control port
CLEAREFFECT	Enables/disables or reports current status of clear effect
CLOCK	Sets/reports current time
COUNTRY	Sets/reports country for compliance
DEFAULT	Sets the unit to default
DEVICE	Selects/reports manufacturer identification label
DEVICETYPE	Enables /disables or reports the current type of device connected to an input or output
DIAL	Dials DTMF sequence or reports last sequence dialed
DID	Selects/reports device ID
ENETADDR	Selects/reports IP address of the Ethernet port
ENETDHCP	Selects/reports use of DHCP of the Ethernet port
ENETDNSA	Selects/reports DNS server IP address of the Ethernet port
ENETDNX	Selects/reports use of the DNS of the Ethernet port
ENETGATE	Selects/reports default gateway of the Ethernet port
ENETSUBN	Selects/reports subnet mask of the Ethernet port
EQ	Enables/disables or reports current status of equalization
EQSEL	Enables/disables or reports current status of equalization
FLOW	Selects/reports the flow control of the serial port
GAIN	Changes/reports gain for a channel
GATE	Reports gate status of microphones
GREPORT	Selects/reports gate status report frequency
HOOK	Sends a hook flash
HOOKD	Selects/reports hook flash duration

Command	Function
LABEL	Selects/reports label of specified channel or unit
LOCALNUM	Sets/reports current value of local number
LVL	Reports in, out or processor level
LVLREPORT	Selects/reports level status
LVLREPORTEN	Enables/disables level reporting
MANUFACTURER	Selects/reports manufacturer identification label
MICCAMPRESET	Associate a microphone with a camera preset
MTRX	Selects/reports matrix routing of an in to out
MUTE	Sets/reports mute status
NCSEL	Enables/disables or reports current status of noise cancellation
PBDIAL	Dials speed dial number by name
PHONEBOOKADD	Saves entry in the phonebook
PHONEBOOKCNT	Queries number of entries in phonebook
PHONEBOOKDEL	Deletes an entry in the phonebook
PHONEBOOKREAD	Queries an entry in the phonebook
REDIAL	Redials last number called
RESET	Resets the unit
RFFREQ	Sets/reports frequency for RF link to remote
RING	Indicates a ringing line
RINGERLVL	Selects/reports audible ring level
RINGERSEL	Sends/reports audible ring melody
RINGERTEST	Plays current audible ringer melody
SILENCEPRST	Associates camera preset with silence for voice tracking
SPEEDDIAL	Dials speed dial number by speed dial number
STEREOMIX	Enables/disables or reports stereo mix status
SYSCHECKS	Initiates system checks
TE	Selects/reports hook status
TELCOLVLCTRL	Selects/reports setting of Telco TX level control
UID	Reports unit ID (read only)
VER	Reports unit version (read only)
VOLUME	Changes/reports the gain for the output channel

AA - Auto Answer Enable/ Disable

This command selects/reports the setting of auto answer.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 28
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **AA** <Channel> [Value]

AARINGS - Number of Rings to Auto Answer On

This command selects/reports the setting of the number of rings to auto answer.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	2 or 4	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 31
*NUMBER OF ARGUMENT*S: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **AARINGS** <Channel> [Value]

ACONN - Audible Connect / Disconnect Indication

This command selects/reports the status of the audible connect/disconnect indication.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 96
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ACONN** <Channel> [Value]

AD - Auto Disconnect Enable/ Disable

This command selects/reports the setting of auto disconnect.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Off	
			1 = Loop Drop	
			2 = Call Progress	
			3 = Loop Drop + Call Progress	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 29
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **AD** <Channel> [Value]

AEC - Acoustic Echo Canceller enable/ disable

This command selects/reports the setting of Acoustic Echo Canceller.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group And Channels	
Group	Group	1	3 (M)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 27
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **AEC** <Channel> [Value]

AECREF - Acoustic Echo Cancellation Reference

This command enables/disables or reports the current status of the AEC reference.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	1 - 3	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 68
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **AECREF** [Value]

AGC - Automatic Gain Control

This command selects/reports the setting of automatic gain control.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group And Channels	
Group	Group	1	3 (M)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 1
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: *DEVICE* **AGC** <Channel> <Group> [Value]

BATTERYLVL - Battery Level

This command reports the battery level on the remote. If the batteries run low, this command will automatically be sent out reporting the low indication.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = battery level unavailable	
			1 = Lowest	
			2	
			3	
			4	
			5 = Highest	
			(Null to query in text.)	

BINARY FORM DETAILS

COMMAND ID: 65
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM DEVICE **BATTERYLVL** [Value]

BAUD - Baud Rate

This command selects/reports the baud rate of the serial port.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	9600, 19200, 38400,	
			57600,115200	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 2
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **BAUD** [Value]

⚠️ **Attention**: If you are connected to the RAV unit through the serial port, you will need to reboot the unit before the baud rate and flow control changes take place. If you are connected to the RAV unit through the USB port, changes are made instantly.

CALLDUR - Call Duration

This command indicates how long a call has lasted. If no call is in session, this will report 0. At the time of call termination, this command will automatically be sent out reporting the duration.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group And Channels	
Group	Group	1	17 (R)	
Reserved		2	0	
Duration	String	8	String of format	
			HR:MN:SS	

BINARY FORM DETAILS

COMMAND ID: 63
NUMBER OF ARGUMENTS: 3
ARGUMENT FORM: <Channel><Group><Reserved><Duration>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CALLDUR** <Channel> <Duration>

CAMBAUD - Camera Control Baud Rate

This command selects/reports the baud rate of the camera control serial port.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	2400, 9600, 19200, 38400	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 60
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMBAUD** [Value]

CAMCTRLMODE - Camera Control Port Mode

This command sets/reports the camera control port mode.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Sony	
			1 = Canon	
			(Null to Query in Text)	

BINARY FORM DETAILS

COMMAND ID: 50
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMCTRLMODE** [Value]

CAMFLOW - Camera Control Flow Control

This command selects/reports the flow control of the camera control serial port on the unit.
Hardware flow control is implemented using DTR and DSR.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 61
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMFLOW** [Value]

CAMMOVE - Move the Camera

This command sends commands to move the camera on the camera control port. There is no query
for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group And Channels	
Group	Group	1	19 (V)	
Value	Unsigned Integer	2	0 = Stop	
			1 = Pan Right	
			2 = Pan Left	
			3 = Tilt Up	
			4 = Tilt Down	
			5 = Zoom In	
			6 = Zoom Out	

BINARY FORM DETAILS

COMMAND ID: 49
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMMOVE** <Channel Group> [Value]

CAMPRESET - Camera Preset

Executes a camera preset. There is no query for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	1 - 10	

BINARY FORM DETAILS

COMMAND ID: 51
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMPRESET** [Value]

CAMPRESETSET - Camera Preset Setup

This command sets the current position of a camera as a camera preset. There is no query for this
command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Preset	Unsigned Integer	2	1 - 10	
Channel	Channel	1	See Group and Channels	
Group	Group	1	19 (V)	
Label	String	16		

BINARY FORM DETAILS

COMMAND ID: 52
NUMBER OF ARGUMENTS: 5
ARGUMENT FORM: <Preset><Channel><Group><Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMPRESETSET** <Preset Channel Group Label>

CAMPRESETSET2 - Camera Preset Setup 2

This command sets or reports the current camera preset.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Preset	Unsigned Integer	2	1 - 10	
Channel	Channel	1	See Group and Channels	
Group	Group	1	19 (V)	
Pan Angle	Signed Float	2	If Sony, -100 to 100.	Degrees
			If Canon, -100 to 100.	
			(NULL to Query in Text)	
Tilt Angle	Signed Float	2	If Sony, -25 to 25.	Degrees
			If Canon, -30 to 90.	
Zoom Angle	Signed Float	4	If Sony, 6.6 to 65.	Degrees
			If Canon, 3 to 47.5.	
Label	String	16		

BINARY FORM DETAILS

COMMAND ID: 56
NUMBER OF ARGUMENTS: 7
ARGUMENT FORM: <Preset><Channel><Group><Pan><Tilt><Zoom><Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMPRESETSET2** <Preset>[Channel Group Pan Tilt Zoom Label]

CAMPOSITION - Camera Position

This command sets or reports the current position of the camera on the camera control port.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	19 (V)	
Pan Angle	Signed Float	2	If Sony, -100 to 100.	Degrees
			If Canon, -100 to 100.	
			(NULL to Query in Text)	
Tilt Angle	Signed Float	4	If Sony, -25 to 25.	Degrees
			If Canon, -30 to 30.	

BINARY FORM DETAILS

COMMAND ID: 53
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Channel><Group><Pan Angle><Tilt Angle>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMPOSITON** <Channel Group> [Pan Tilt]

CAMSWITCHLAG - Camera Switch Time Lag

This command set the switch time lag for voice tracking.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Float	4	0.00 - 5.00	S

BINARY FORM DETAILS

COMMAND ID: 76
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMSWITCHLAG** [Value]

CAMTRACK - Camera Track

This command selects/reports the camera voice tracking mode.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 57
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMTRACK** [Value]

CAMZOOM - Camera Zoom

This command sets or reports the current Zoom of the camera on the camera control port.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	19 (V)	
Zoom Angle	Signed Float	2	If Sony, 6.6 to 65.	Degrees
			If Canon, 3 to 47.5.	
			(NULL to Query in Text).	

BINARY FORM DETAILS

COMMAND ID: 54
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Zoom Angle>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CAMZOOM** <Channel Group> [Zoom]

CLEAREFFECT - Clear Effect Wide Band Telco Emulation

This command enables/disables or reports the current status of the clear effect.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (T)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 66
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CLEAREFFECT** <Channel> [Value]

CLOCK - Clock Set

This command sets or reports the current time.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Date	Unsigned Integer	1	1 - 31	
Month	Unsigned Integer	1	1 - 12	
Year	Unsigned Integer	2	2000 - 2099	
			(NULL to Query in Text)	
Hours	Unsigned Integer	1	00 - 23	
Minutes	Unsigned Integer	1	00 - 59	
Seconds	Unsigned Integer	1	00 - 59	
Day of Week	Unsigned Integer	1	1 = Sunday	
			2 = Monday	
			3 = Tuesday	
			4 = Wednesday	
			5 = Thursday	
			6 = Friday	
			7 = Saturday	

BINARY FORM DETAILS

COMMAND ID: 64
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Date><Month><Year><Hours><Minutes><Seconds><Day>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **CLOCK** [Date Month Year Hours Minutes Seconds Day]

COUNTRY - Country Selection

This command sets/reports the country for compliance.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	1 = US / Canada	
			2 = Europe	
			3 = Mexico	
			4 = Australia / New Zealand	
			5 = South Africa	
			6 = Japan	
			7 = Brazil	
			8 = South Korea	
			9 = China	
			10 = Singapore	
			11 = Taiwan	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 40
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **COUNTRY** [Value]

DEFAULT - Default The Unit

Sets the unit to factory defaults. There is no query for this command.

ARGUMENT DETAILS

None

BINARY FORM DETAILS

COMMAND ID: 17
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <0>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **DEFAULT**

⚠ **Attention:** The unit will need to be rebooted after sending the DEFAULT command.

DEVICE - Device Identification Label

This selects/reports the manufacturer identification label of the specific channel.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7(O, M, L)	
Reserved	Unsigned Integer	2	0	
Label	String	32	1 - 32 characters	
			CLEAR = clear the label	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 82
NUMBER OF ARGUMENTS: 9
ARGUMENT FORM: <Channel><Group><Reserved><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **DEVICE** <Channel> <Group> [Value]

DEVICETYPE - Sets the Type of Device connected to an Input or Output

This command enables / disables or reports the current type of device connected to an input or output.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 7 (O, L)	
Value	Unsigned Integer	2	0 = 1 = 2 = 3 = 4 = (NULL to query in text)	

BINARY FORM DETAILS

COMMAND ID: 85
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **DEVICETYPE** <Channel> <Group> [Value]

DIAL - DTMF Dialing

This command dials a DTMF sequence or reports back the last sequence dialed.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Reserved		2	0	
Number	String	44	1 - 44 Chars of '0' - '9', 'A' - 'D', '*', '#', ','	
			(Null to query last number dialed in text)	

✎ **Note:** A "1" equals a two second pause.

BINARY FORM DETAILS

COMMAND ID: 30
NUMBER OF ARGUMENTS: 12
ARGUMENT FORM: <Channel><Group><Number>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **DIAL** <Channel> [Number]

DID - Device ID

This command reports the device ID. This command is read-only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	See Type and Device IDs	
			(Null sent in text, Value returned)	

BINARY FORM DETAILS

COMMAND ID: 3
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

ENETADDR - Ethernet port IP address

This command selects/reports the IP address of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	IP Address	4	(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 21

TEXT FORM DETAILS

COMMAND FORM: DEVICE **DID** [Value]

NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETADDR** [Value]

ENETDHCP - Ethernet DHCP Selection

This command selects/reports the use of DHCP of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = On	
			1 = Off	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 25
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETDHCP** [Value]

ENETDNSA - Ethernet DNS Server addresses

This command selects/reports the DNS servers IP addresses of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	IP Address	4	(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 24
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETDNSA** [Value]

ENETDNX - Ethernet DNS Selection

This command selects/reports the use of DNS of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = On	
			1 = Off	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 26
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETDNS** [Value]

ENETGATE - Ethernet default Gateway address

This command selects/reports the default gateway of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	IP Address	4	(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 23
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETGATE** [Value]

ENETSUBN - Ethernet subnet mask

This command selects/reports the Subnet mask of the Ethernet port on the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	IP Address	4	(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 22
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **ENETSUBN** [Value]

EQ - Equalization

This command enables/disables or reports the current status of the equalization on the input or output.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 7 (O, L)	
High Gain	Signed Float	2	-12.00 - 12.00	
			(Null to query in text)	
Mid Gain	Signed Float	2	-12.00 - 12.00	
Low Gain	Signed Float	2	-12.00 - 12.00	

BINARY FORM DETAILS

COMMAND ID: 67
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Channel><Group><High Gain><Mid Gain><Low Gain>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **EQ** <Channel> <Group> [High Mid Low]

EQSEL - Equalization Enable

This command enables/disables or reports the current status of the equalization on the input or output.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 7 (O, L)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(NULL to query in text)	

BINARY FORM DETAILS

COMMAND ID: 74
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **EQSEL** <Channel> <Group> [Value]

FLOW - Flow Control

This command selects/reports the flow control of the serial port on the unit. Hardware flow control is implemented using DTR and DSR.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 4
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **FLOW** [Value]

GAIN - Gain Adjustment

This command changes or reports back the gain for a channel.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7, 16, 17 (O, M, L, T, R)	
Value	Signed Float	2	-99.90 - 99.90 **(Null to query in text)	DB
Absol / Rel	0		A = Absolute R = Relative Null = Relative	

BINARY FORM DETAILS

COMMAND ID: 5
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE GAIN <Channel> <Group> [Value] [Absol/Rel]

> **Note:** Values indicate entry range only. Actual internal range of the gain stage is from -14 to 18. Absolute values will be limited to the internal gain range.

GATE - Gate Status

This command reports the gate status of mics. This command is read-only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Hexadecimal	4	Bits 0 - 8 represent	
			gate status on Mics 1 - 9	
			(Null sent in text, Value returned)	
			Mic 1 = LSB, Mic 2 =MSB	

BINARY FORM DETAILS

COMMAND ID: 6
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **GATE** [Value]

GREPORT - Gate Report

This command selects/reports the mode of gate status reporting.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 7
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **GREPORT** [Value]

HOOK - Hook Flash

This command sends a hook flash. **There is no query for this command.**

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Reserved		2	0	

BINARY FORM DETAILS

COMMAND ID: 32
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Reserved>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **HOOK** <Channel>

HOOKD - Hook Flash Duration

This command selects/reports the hook flash duration.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	50 - 1000	Ms
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 33
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **HOOKD** <Channel> [Value]

LABEL - Label

This selects/reports the label of the specific channel or the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7, 9, 16, 17 (O, M, L, U, T, R)	
Reserved	Unsigned Integer	2	0	
Label	String	32	For group U, 1 - 11 characters	
			All other, 1 - 32 characters	
			If not group U, CLEAR = clear the label	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 8
NUMBER OF ARGUMENTS: 9
ARGUMENT FORM: <Channel><Group><Reserved><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **LABEL** <Channel> <Group> [Value]

LOCALNUM - Local Number

This command sets or reports back the current value of the local number.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Reserved		2	0	
Number	String	16	1 - 16 Chars of '0' - '9', 'A' - 'D', '*', '#', ','	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 59
NUMBER OF ARGUMENTS: 5
ARGUMENT FORM: <Channel><Group><Number>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **LOCALNUM** <Channel> [Number]

LVL - Level

This command reports the level of a channel. This command is read-only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7, 16, 17(O, M, L, T, R)	
Position	Meter Type	2	See MeterTypeDefinitions	
Value	Signed Float	4	-99.99 - 99.99	DB
			(Sent with Null in text,	
			Value returned)	

BINARY FORM DETAILS

COMMAND ID: 9
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Channel><Group><Position><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **LVL** <Channel> <Group> <Position> [Value]

LVLREPORT - Level Report

This command selects/reports the status of level reporting for the specified channel.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7, 16, 17 (O, M, L, T, R)	
Position	Meter Type	2	See MeterTypeDefinitions	
Value	Unsigned Integer	4	0 = Off (Delete from list being reported)	
			1 = On (Add to list being reported)	
			2 = Toggle(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 10
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Channel><Group><Position><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **LVLREPORT** <Channel> <Group> <Position> [Value]

✎ Note: Level reporting for the unit must also be enabled (LVLREPORTEN).

LVLREPORTEN - Level Report Enable

Enables level reporting for the unit.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 = Turn off reporting but leave current list	
			1 = Turn on reporting	
			2 = Turn off reporting and clear the list	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 16
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **LVLREPORTEN** [Value]

MANUFACTURER - Manufacturer Identification Label

This selects/reports the manufacturer identification label of the specific channel.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	2, 3, 7(O, M, L)	
Reserved	Unsigned Integer	2	0	
Label	String	32	1 - 32 characters	
			CLEAR = clear the label	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 81
NUMBER OF ARGUMENTS: 9
ARGUMENT FORM: <Channel><Group><Reserved><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **MANUFACTURER** <Channel> <Group> [Value]

MICCAMPRESET - Mic Camera Preset

This command associates a mic with a camera preset for voice tracking.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	3 (M)	
Value	Unsigned Integer	2	0 to Clear	
			1 - 10	
			(NULL to Query in Text)	

BINARY FORM DETAILS

COMMAND ID: 55
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **MICCAMPRESET** <Channel> [Value]

MTRX - Matrix Routing

This command selects/reports the matrix routing of an input to an output.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Source Channel	Channel	1	See Group and Channels	
Source Group	Group	1	3, 7, 17(M, L, R)	
Destination Channel	Channel	1	Group 3 (M) is only allowed all channels. All other groups cannot have the all channel. (See Group And Channels)	
Destination Group	Group	1	2, 16(O, T)	
Value	Unsigned Integer	4	0 = Cross point off	
			1 = Cross point on	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 11
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Src. Ch.><Src. Gp.><Dest. Ch.><Dest. Gp.><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **MTRX** <Src. Ch.> <Src. Gp.> <Dest. Ch.> <Dest. Gp.> [Value]

MUTE - Mute

This command selects/reports the setting of mute on a channel.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	(all channels only)	
Group	Group	1	3 (M)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 12
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **MUTE** <Channel> <Group> [Value]

NCSEL - Noise Cancellation Select

This command enables/disables or reports the current status of noise cancellation.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	3,17 (M, R)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 62
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **NCSEL** <Channel> <Group> [Value]

PBDIAL - Dial a PB Entry by Name

This command dials a speed dial number by name. There is no query for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Reserved	Unsigned Integer	2	0	
Label	String	16	1 - 16 chars	

BINARY FORM DETAILS

COMMAND ID: 36
NUMBER OF ARGUMENTS: 5
ARGUMENT FORM: <Channe><Group><Reserved><Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **PBDIAL** <Channel> <Label>

PHONEBOOKADD - Adds an Entry to the Phonebook

This command saves an entry in the Phonebook. There is no query. No two entries can share the same label. An argument error will be returned if an entry already has the name. To change an entry, you must first delete it and then add it again. If label is blank, the first 20 characters of the number will be used as the label. Number must not be blank. If an entry already exists with the assigned speed dial it will be overwritten.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Speed Dial	Unsigned Integer	4	0 for not assigned to a speed dial 1 - 19 20 for Conference	
Number	String	44	1 - 44 chars '0' - '9', 'A' - 'D', '*', '#'	
Label	String	16	1 - 16 chars	

BINARY FORM DETAILS

COMMAND ID: 38
NUMBER OF ARGUMENTS: 16
ARGUMENT FORM: <ID><Number><Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **PHONEBOOKADD**

PHONEBOOKCNT - Queries the Number of Entries in the Phonebook

This command queries the number of entries in the Phonebook. This command is query only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 - 20	

BINARY FORM DETAILS

COMMAND ID: 78
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **PHONEBOOKCNT** <Value>

PHONEBOOKDEL - Deletes an Entry to the Phonebook

This command deletes an entry in the Phonebook. There is no query.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Label	String	16	1 - 16 chars	

BINARY FORM DETAILS

COMMAND ID: 77
NUMBER OF ARGUMENTS: 4
ARGUMENT FORM: <Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **PHONEBOOKDEL** <Label>

PHONEBOOKREAD - Queries A Entry in the Phonebook By Index

This command queries an entry in the Phonebook. This command is query only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Index	Unsigned Integer	2	0 - 19 (Must be less than the Number of PhoneBook Entries)	
Speed Dial	Unsigned Integer	2	0 for not assigned to a speed dial 1 - 1920 for Conference (NULL to query in text)	
Number	String	44	1 - 44 chars '0' - '9', 'A' - 'D', '*', '#'	
Label	String	16	1 - 16 chars	

BINARY FORM DETAILS

COMMAND ID: 79
NUMBER OF ARGUMENTS: 16
ARGUMENT FORM: <Index><Speed Dial><Number><Label>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **PHONEBOOKREAD** <Index>
<Speed dial> <Number> <Label>

REDIAL - Dial the last number again

This command redials the last number. There is no query for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group And Channels	
Group	Group	1	17 (R)	
Reserved		2	0	

BINARY FORM DETAILS

COMMAND ID: 45
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Reserved>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **REDIAL** <Channel>

RESET - Reset

Resets the unit. There is no query for this command.

ARGUMENT DETAILS

None

BINARY FORM DETAILS

COMMAND ID: 20
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <0>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RESET**

RETURN VALUES

The box is reset and the boot up message is displayed.

RFFREQ - RF Frequency Selection

This command sets/reports the frequency for the RF link to the Remote. The remote must be set to the same setting.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	1 - 8	
			For Band 0,	
			1 = 904 MHz	
			2 = 907 MHz	
			3 = 910 MHz	
			4 = 913 MHz	
			5 = 916 MHz	
			6 = 919 MHz	
			7 = 922 MHz	
			8 = 926 MHz	
			For Band 1,	
			1 = 868 MHz	
			2 = 868.333 MHz	
			3 = 868.667 MHz	
			4 = 869 MHz	
			5 = 869.333 MHz	
			6 = 869.667 MHz	
			7 = 870 MHz	
			8 = 868 MHz	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 58
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RFFREQ** [Value]

RING - Ring Indication

This command indicates a ringing line. This command is reportable only. It cannot be queried or set.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Ring cycle has stopped	
			1 = Ring cycle has begun	

BINARY FORM DETAILS

COMMAND ID: 34
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RING** <Channel><Value>

RINGERLVL - Audible Ring Level

This command selects/reports the audible ring level.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Signed Float	2	-12.00 - 4.00 (dB)	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 46
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RINGERLVL** <Channel> [Value]

RINGERSEL - Audible Ring Melody Selection

This command sends/reports the audible ring melody.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	1 - 3	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 35
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RINGERSEL** <Channel> [Value]

RINGERTEST - Audible Ring Melody Test

This command plays the current audible ringer melody. This command is executable only. There is no query.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Reserved	Unsigned Integer	2	0	

BINARY FORM DETAILS

COMMAND ID: 83
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Reserved>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **RINGERTEST** <Channel>

SILENCEPRST - Silence Camera Preset

This command associates a camera preset with silence for voice tracking.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Unsigned Integer	4	0 to Clear	
			1 - 10	
			(NULL to Query in Text)	

BINARY FORM DETAILS

COMMAND ID: 75
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **SILENCEPRST** [Value]

SPEEDDIAL - Speed Dialing

This command dials a speed dial number. There is no query for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	1 - 3334 for Conference	

BINARY FORM DETAILS

COMMAND ID: 37
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **SPEEDDIAL** <Channel> <Value>

STEREOMIX - Sets the Input to be a Stereo Mix

This command enables/disables or reports the stereo mix status of an input.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	7 (L)	
Value	Unsigned Integer	2	0 = On	
			1 = Off	
			2 = Toggle	
			(NULL to query in text)	

BINARY FORM DETAILS

COMMAND ID:	86
NUMBER OF ARGUMENTS:	1
ARGUMENT FORM:	<Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM:	DEVICE **STEREOMIX** <Channel> [Value]

SYSCHECKS - System Checks

Initiates the system checks. There is no query for this command.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
System	Hexadecimal Integer	4	00 - Pod 1	
			01 - Pod 2	
			02 - Pod 3	
			03 - Speaker	
			04 - Telephone	
			05 - Network	
			06 - RF Remote (not implemented)	
			All other bits reserved	
Check	Integer			

BINARY FORM DETAILS

COMMAND ID:	87
NUMBER OF ARGUMENTS:	1
ARGUMENT FORM:	<System Check>

TEXT FORM DETAILS

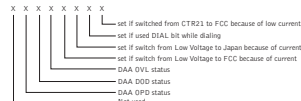|	
COMMAND FORM:	DEVICE **SYSCHECKS** <System Check>

SYSRESULT - System Check Result

This command reports the results of the system check. This command is reportable only. It cannot be queried or set.

ARGUMENT DETAILS

Name	Type	Size	Values
System Check	Hexadecimal Integer	2	06 – Remote (not implemented)
			05 – Network
			04 – Telephone
			03 – Speaker
			02 – Pod 3
			01 – Pod 2
			00 – Pod 1
			All other bits reserved.
Status	Unsigned Integer	2	0 = Fail
			1 = Pass
Message	String	40	For the pods: this message will say if a pod is not connected. If a pod is connected, the message will say which microphones fail. If none fail, the message will say the pod passes. For the speakers: the message will say if the speakers fail. If they, pass but are out of phase, the message will say they are out of phase. Otherwise, the message will say the speakers pass.

For the telephone on hook: the message will report the line voltage, the line current, other results, and if dial tone is detected. For the telephone off hook: the message will report the line current, other results, and if dial tone is detected. The bit mask for the other results is


```
x x x x x x x x
              └─ set if switched from CTR21 to FCC because of low current
            └─── set if used DIAL bit while dialing
          └───── set if switch from Low Voltage to Japan because of current
        └─────── set if switch from Low Voltage to FCC because of current
      └───────── DAA OVL status
    └─────────── DAA DOD status
  └───────────── DAA OPD status
└─────────────── Not used
```

For the network check: the box will report if no IP address is set. If it is set, the box will ping the gateway. The message will say the ping failed if it is not returned in 5 s. Otherwise, the message will report how many seconds it took to return the ping.

BINARY FORM DETAILS

COMMAND ID:	88
NUMBER OF ARGUMENTS:	11
ARGUMENT FORM:	<System Check><Status><Message>

TEXT FORM DETAILS

COMMAND FORM:	DEVICE **SYSRESULT** <System Check> <Status> <Message>

TE - Telco Enable

This command selects/reports the hook status.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 39
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **TE** <Channel> [Value]

TELCOLVLCTRL - Telco TX Level Control Enable/ Disable

This command selects/reports the setting of Telco TX level control.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Channel	Channel	1	See Group and Channels	
Group	Group	1	17 (R)	
Value	Unsigned Integer	2	0 = Off	
			1 = On	
			2 = Toggle	
			(Null to query in text)	

BINARY FORM DETAILS

COMMAND ID: 80
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Channel><Group><Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **TELCOLVLCTRL** <Channel> [Value]

UID - Unit ID

This command reports the unit ID. This command is read-only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Hexadecimal	4	(Sent with a Null, value returned in text)	

BINARY FORM DETAILS

COMMAND ID: 13
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **UID** [Value]

VER - Version

This command reports the version of the unit. This command is read-only.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	String	8	Version of format MM.mm.rr (Sent with a Null in text, value returned)	

BINARY FORM DETAILS

COMMAND ID: 14
NUMBER OF ARGUMENTS: 2
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **VER** [Value]

VOLUME - Volume Adjustment

This command changes or reports back the gain for the output channel set as the EC reference.

ARGUMENT DETAILS

Name	Type	Size	Values	Units
Value	Signed Float	4	-99.90 - 99.90 ** (Null to query in text)	DB
Absol / Rel		0	A = Absolute	
			R = Relative	
			Null = Relative	

BINARY FORM DETAILS

COMMAND ID: 103
NUMBER OF ARGUMENTS: 1
ARGUMENT FORM: <Value>

TEXT FORM DETAILS

COMMAND FORM: DEVICE **VOLUME** [Value] [Absol/Rel]

Note: Values indicate entry range only. Actual internal range of the gain stage is from -14 to 18. Absolute values will be limited to the internal gain range.