



PSM1000

Command Strings

Third-party command strings for Shure PSM1000 monitoring system.
Version: 1 (2019-l)

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PSM1000

Command Strings

PSM[®] 1000

Connecting to an AMX or Crestron System

Connection: Ethernet (TCP/IP; select "Client" in the AMX/Crestron program)

Port: 2202

The following messages can be used to communicate with an AMX or Crestron unit across an Ethernet connection.

Message Types

The control system sends the following command messages:

SET	Sent from the control system to the Shure device to change the value of a parameter. Used to set the parameter to a specific value. Once a <i>SET</i> command is sent, the Shure device sends back a <i>REPORT</i> string with the current resultant setting.
GET	Gets the current value of a parameter. Once a <i>GET</i> command is sent, the Shure device will send back a <i>REPORT</i> string with the current setting.
REPORT	Reports the current value for a parameter. The <i>REPORT</i> string is sent from the Shure device to the Control system in response to a <i>SET</i> or <i>GET</i> command. The <i>REPORT</i> string is also sent when the value of the parameter is changed on the Shure device.

Syntax

All messages sent and received are ASCII characters.

- Each message begins with a "<" followed by a space.
- Each message ends with a space followed by an ">"
- Each message is terminated by a carriage return and line feed (CRLF). The control system may need to enter the hex value, equivalent to 0x0D0A. Please see the control system user guide for information on entering carriage returns.
- If the message is a box parameter, there should be no channel number in the string.

Example Messages

Example Messages for Channel Parameters

- < GET 1 FREQUENCY >
- < REPORT 1 FREQUENCY 578000 >

Example Messages for Box Parameters

- < SET DEVICE_NAME Shure >
- < REPORT DEVICE_NAME Shure >

Command Response Table

	COMMAND	RESPONSE
View Transmitter Name	GET DEVICE_NAME	REPORT DEVICE_NAME vvvvvvv
Set Channel Name	SET x CHAN_NAME vvvvvvv	REPORT x CHAN_NAME vvvvvvv
Get Channel Name	GET x CHAN_NAME	REPORT CHAN_NAME vvvvvvv
Set Audio Level	SET x AUDIO_IN_LVL vvv	REPORT x AUDIO_IN_LVL vvv
View Audio Level	GET x AUDIO_IN_LVL	REPORT x AUDIO_IN_LVL vvv
Set Transmitter Group & Channel	SET x GROUP_CHAN gg,cc	REPORT x FREQUENCY vvvvvvvvv REPORT x GROUP_CHAN gg,ccvv
View Transmitter Group & Channel	GET x GROUP_CHAN	REPORT x GROUP_CHAN gg,cc
Set Transmitter Frequency	SET x FREQUENCY vvvvvvvvv	REPORT x FREQUENCY vvvvvvvvv REPORT x GROUP_CHAN --,--vvv
View Transmitter Frequency	GET x FREQUENCY	REPORT x FREQUENCY vvvvvvvvv
Set RF Tx Level	SET x RF_TX_LVL vvvvv	REPORT x RF_TX_LVL vvvvv
View RF Tx Level	GET x RF_TX_LVL	REPORT x RF_TX_LVL vvvvv
Set RF Mute	SET x RF_MUTE vvv 1 = mute, 0 = unmute	REPORT x RF_MUTE vvv 1 = mute, 0 = unmute
View RF Mute	GET x RF_MUTE 1 = mute, 0 = unmute	REPORT x RF_MUTE vvv 1 = mute, 0 = unmute
Set Audio Tx Mode	SET x AUDIO_TX_MODE vvv 1 = mono, 2 = point to point, 3 = stereo	REPORT x AUDIO_TX_MODE vvv 1 = mono, 2 = point to point, 3 = stereo
View Audio Tx Mode	GET x AUDIO_TX_MODE	REPORT x AUDIO_TX_MODE vvv 1 = mono, 2 = point to point, 3 = stereo
Set Audio Input Line Level	SET x AUDIO_IN_LINE_LVL vvv 0 = off (Aux), 1 = on (Line)	REPORT x AUDIO_IN_LINE_LVL vvv 0 = off (Aux), 1 = on (Line)
View Audio Input Line Level	GET x AUDIO_IN_LINE_LVL	REPORT x AUDIO_IN_LINE_LVL vvv 0 = off (Aux), 1 = on (Line)
Set Metering Rate	SET x METER_RATE vvvvvvvvv 0 = off, value in milliseconds	REPORT x METER_RATE vvvvvvvvv 0 = off, value in milliseconds
View Metering Rate	GET x METER_RATE	REPORT x METER_RATE vvvvvvvvv 0 = off, value in milliseconds
Audio Meter Level	REPORT x AUDIO_IN_LVL_L vvvvvvvv	REPORT x AUDIO_IN_LVL_L vvvvvvvv REPORT x AUDIO_IN_LVL_R vvvvvvvv