



SENNHEISER

Sennheiser Rack Receiver Module Help File

Sennheiser, AV clients (Crestron)



SENNHEISER RACK RECEIVER V2.03.01 MODULE HELP

Module name	Sennheiser Rack Receiver v2.03.01.umc, SennheiserRackReceiver_2_03_01.usp, SennheiserClient.clz
Version	2.03.01
Description	This document defines the common Crestron module interface for the Sennheiser Rack Receiver unit.
Maintainer	Sennheiser
Parameters	<p>IP Address <i>Ip address of device to connect and control</i></p> <p>ModuleNumber <i>If multiple modules of the same device are used, increment this so that each module is unique.</i></p>
Inputs	<p>Pass-Thru-In, Serial <i>Used to pass any string into the main module. Improper formatting may result in errors.</i></p> <p>Subscribe, Digital <i>Creates a connection to the Sennheiser Processor module and allows child module to accept incoming data.</i></p> <p>Pair, Digital <i>Sets the SLDW into Pair mode.</i></p> <p>Identify, Digital <i>Sets the SLDW into Identify mode.</i></p> <p>Brightness, Analog <i>Sets the Brightness level of the Front LED screen on the SLDW.</i></p> <p>Mute_Switch_Enable, Digital <i>Pulse to Enable the Mute Switch. Doing this will allow the connected unit to use the mute switch on the device.</i></p> <p>Mute_Switch_Disable, Digital <i>Pulse to Disable the Mute Switch. Doing this will disable the connected unit from using the mute switch on the device.</i></p> <p>Mute_Switch_Toggle Digital <i>Pulse to toggle the mute switch state.</i></p> <p>Audio_LowCut_Enable, Digital <i>Pulse to Enable the Audio LowCut Setting.</i></p> <p>Audio_LowCut_Disable, Digital <i>Pulse to Disable the Audio LowCut Setting.</i></p> <p>Audio_LowCut_Toggle Digital <i>Pulse to toggle the Audio LowCut state.</i></p> <p>Audio_Equalizer_Preset, Analog <i>Sets the current Audio Equalizer Preset. (0 Off, 1 Female Speech, 2 Male Speech, 3 Media, 4 Custom).</i></p> <p>Audio_Level_Tracking Digital <i>High to track the Audio Level dB changes in real time, Low to disable the tracking of Level dB. *This is because there is alot of data coming back when this is enabled.</i></p> <p>Battery_Lifetime_Tracking Digital <i>High to track the Battery Lifetime changes in real time. Low to disable the tracking of battery lifetime. *This is because there is a lot of data coming back when this is enabled.</i></p> <p>LED_Active_Enable, Digital</p>

	<p><i>Pulse to Enable the LED on the connected device Setting.</i></p> <p>LED_Active_Disable, Digital <i>Pulse to Disable the LED on the connected device Setting.</i></p> <p>LED_Active_Toggle Digital <i>Pulse to toggle the LED on the connected device state.</i></p>
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Outputs	<p>Pass-Thru-Out, Serial Used to display any data from the main processor that is not part of the main module.</p> <p>Communicating_Fb, Digital Will go High when the module has successfully established a response from the process module. Will go low if 5 commands fail.</p> <p>Pairing_Fb, Digital Will go High when the device is in Pairing mode.</p> <p>Identify_Fb, Digital Will go High when the device is in Identify mode.</p> <p>Device_Product, Serial Displays the Product type in serial form: "CHG4N".</p> <p>Device_Name, Serial Displays the Name given to the device in serial form.</p> <p>Device_Group, Serial Displays the Group Name given to the device in serial form.</p> <p>Device_Serial_Number, Serial Displays the Serial Number given to the device in serial form.</p> <p>Device_Firmware, Serial Displays the Firmware version running on the device in serial form.</p> <p>Device_State, Analog Displays the State of the SLDW receiver unit. (0 Normal, 1 Pairing, 2 Receiver Update, 3 Transmitter Update, 4 Transmitter Update Confirmation, 5 Transmitter Update Failed).</p> <p>Errors, Serial Displays any errors encountered from the device in serial form.</p> <p>Warnings, Serial Displays any warnings in serial form.</p> <p>Brightness_Fb, Analog Displays the current Brightness level of the LED front screen.</p> <p>Mute_Switch_Enabled_Fb, Digital Goes high if the mute switch is enabled.</p> <p>Mute_Switch_Disabled_Fb, Digital Goes high if the mute switch is not enabled.</p> <p>Audio_LowCut_Enabled_Fb, Digital Goes high if the Audio LowCut is enabled.</p> <p>Audio_LowCut_Disabled_Fb, Digital Goes high if the Audio LowCut is not enabled.</p> <p>Audio_Equalizer_Preset_Fb, Analog Displays the current Audio Equalizer Preset. (0 Off, 1 Female Speech, 2 Male Speech, 3 Media, 4 Custom).</p> <p>CONNECTED DEVICE</p> <p>Device_Type, Analog Displays the currently paired device type. (0 Handheld, 1 Bodypack, 2 Tablestand, 3 Boundary).</p> <p>Mute_is_Active_Fb, Digital Goes high if the connected device's mute switch is active.</p> <p>Audio_Level_dB, Analog Displays the current dB level of the connected device. (signed integer -60 to 0. Will display as -60 when no device is connected).</p>
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	<p>Audio_LowCut_Disabled_Fb, Digital Goes high if the Audio LowCut is not enabled.</p> <p>Audio_LowCut_Disabled_Fb, Digital Goes high if the Audio LowCut is not enabled.</p> <p>Battery_Bars, Analog Displays how many battery bars the device currently has. (1-6).</p> <p>Battery_Gauge, Analog Displays in percent how much battery life the device currently has. (0%-100%).</p> <p>Battery_Lifetime, Analog Displays the battery life left. (displayed in seconds)</p> <p>RF_Quality_Fb, Analog Displays the RF Quality when a device is connected. (0%-100%)</p> <p>LED_Active_Disabled_Fb, Digital Goes high if the LED of the connected device is not enabled.</p> <p>LED_Active_Disabled_Fb, Digital Goes high if the LED of the connected device is not enabled.</p>																					
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Advisories/ remarks																						
Dependencies	<i>SennheiserProcessor.usp, Sennheiser Rack Receiver v2.03.01.umc, SennheiserRackReceiver_2_03_01.usp, SennheiserClient.clz</i>																					
Processor support	<i>2-Series, not currently supported. 3-Series, support.</i>																					