



# SENNHEISER

## Sennheiser SLDW Module Help File

Sennheiser, AV clients (Crestron)



## SENNHEISER SLDW V2.01.00 MODULE HELP

Module name	Sennheiser SLDW v2.01.00.umc, SennheiserSLDW_2_01_00.usp, SennheiserClient.clz
Version	2.01.00
Description	This document defines the common Crestron module interface for the Sennheiser SLDW unit.
Maintainer	Sennheiser
Inputs	<p><b>Pass-Thru-In, Serial</b> Used to pass any string into the main module. Improper formatting may result in errors.</p> <p><b>Subscribe, Digital</b> Creates a connection to the Sennheiser Processor module and allows child module to accept incoming data.</p> <p><b>Pair, Digital</b> Sets the SLDW into Pair mode.</p> <p><b>Identify, Digital</b> Sets the SLDW into Identify mode.</p> <p><b>Mute_Switch_Enable, Digital</b> Pulse to Enable the Mute Switch. Doing this will allow the connected unit to use the mute switch on the device.</p> <p><b>Mute_Switch_Disable, Digital</b> Pulse to Disable the Mute Switch. Doing this will disable the connected unit from using the mute switch on the device.</p> <p><b>Mute_Switch_Toggle Digital</b> Pulse to toggle the mute switch state.</p> <p><b>Audio_LowCut_Enable, Digital</b> Pulse to Enable the Audio LowCut Setting.</p> <p><b>Audio_LowCut_Disable, Digital</b> Pulse to Disable the Audio LowCut Setting.</p> <p><b>Audio_LowCut_Toggle Digital</b> Pulse to toggle the Audio LowCut state.</p> <p><b>Audio_Level_Tracking Digital</b> High to track the Audio Level dB changes in real time, Low to disable the tracking of Level dB. *This is because there is a lot of data coming back when this is enabled.</p> <p><b>Battery_Lifetime_Tracking Digital</b> 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.</p> <p><b>Audio_Equalizer_Preset, Analog</b> Sets the current Audio Equalizer Preset. (0 Off, 1 Female Speech, 2 Male Speech, 3 Media, 4 Custom).</p>

Outputs	<p><b>Pass-Thru-Out, Serial</b> Used to display any data from the main processor that is not part of the main module.</p> <p><b>Communicating_Fb, Digital</b> Will go High when the module has successfully established a response from the process module. Will go low if 5 commands fail.</p> <p><b>Pairing_Fb, Digital</b> Will go High when the device is in Pairing mode.</p> <p><b>Identify_Fb, Digital</b> Will go High when the device is in Identify mode.</p> <p><b>Device_Product, Serial</b> Displays the Product type in serial form: "CHG4N".</p> <p><b>Device_Name, Serial</b> Displays the Name given to the device in serial form.</p> <p><b>Device_Group, Serial</b> Displays the Group Name given to the device in serial form.</p> <p><b>Device_State, Analog</b> 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><b>Errors, Serial</b> Displays any errors encountered from the device in serial form.</p> <p><b>Warnings, Serial</b> Displays any warnings in serial form.</p> <p><b>Mute_Switch_Enabled_Fb, Digital</b> Goes high if the mute switch is enabled.</p> <p><b>Mute_Switch_Disabled_Fb, Digital</b> Goes high if the mute switch is not enabled.</p> <p><b>Audio_LowCut_Enabled_Fb, Digital</b> Goes high if the Audio LowCut is enabled.</p> <p><b>Audio_LowCut_Disabled_Fb, Digital</b> Goes high if the Audio LowCut is not enabled.</p> <p><b>Audio_Equalizer_Preset_Fb, Analog</b> Displays the current Audio Equalizer Preset. (0 Off, 1 Female Speech, 2 Male Speech, 3 Media, 4 Custom).</p> <p><b>CONNECTED DEVICE</b></p> <p><b>Device_Type, Analog</b> Displays the currently paired device type. (0 Handheld, 1 Bodypack, 2 Tablestand, 3 Boundary).</p> <p><b>Mute_is_Active_Fb, Digital</b> Goes high if the connected device's mute switch is active.</p> <p><b>Audio_Level_dB, Analog</b> Displays the current dB level of the connected device. (signed integer -60 to 0. Will display as -60 when no device is connected).</p> <p><b>Audio_LowCut_Disabled_Fb, Digital</b> Goes high if the Audio LowCut is not enabled.</p> <p><b>Audio_LowCut_Disabled_Fb, Digital</b> Goes high if the Audio LowCut is not enabled.</p> <p><b>Battery_Bars, Analog</b> Displays how many battery bars the device currently has. (1-6).</p>
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	<p><b>Battery_Gauge, Analog</b>  <i>Displays in percent how much battery life the device currently has. (0%-100%).</i></p> <p><b>Battery_Lifetime, Analog</b>  <i>Displays the battery life left. (displayed in seconds)</i></p> <p><b>RF_Quality_Fb, Analog</b>  <i>Displays the RF Quality when a device is connected. (0%-100%)</i></p>															
Version History	<table border="1"> <thead> <tr> <th>Version</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1.00.00</td> <td>010415</td> <td>Initial structure.</td> </tr> <tr> <td>1.01.00</td> <td>240820</td> <td>Recompile with new Crestron Databases</td> </tr> <tr> <td>2.00.00</td> <td>100920</td> <td>Changes to backend to reduce the amount of serial data in simpl windows</td> </tr> <tr> <td>2.01.00</td> <td>140721</td> <td>Adding Pair, identify and sound profile features</td> </tr> </tbody> </table>	Version	Date	Remarks	1.00.00	010415	Initial structure.	1.01.00	240820	Recompile with new Crestron Databases	2.00.00	100920	Changes to backend to reduce the amount of serial data in simpl windows	2.01.00	140721	Adding Pair, identify and sound profile features
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Advisories/ remarks																
Dependencies	<i>SennheiserProcessor.usp, Sennheiser SLDW v2.01.00.umc, SennheiserSLDW_2_01_00.usp, SennheiserClient.clz</i>															
Processor support	<i>2-Series, not currently supported. 3-Series, support.</i>															