



SENNHEISER

Sennheiser EW-DX Module Help File

Sennheiser, AV clients (Crestron)



SENNHEISER EW-DX V1.00.01 MODULE HELP

Module name	Sennheiser EW-DX v1.00.01.umc, SennheiserEWDX_1_00_01.usp, SennheiserClient.clz
Version	1.00.01
Description	This document defines the common Crestron module interface for the Sennheiser EW-DX unit.
Maintainer	Sennheiser
Parameters	<p>IP Address Ip address of device to connect and control</p> <p>ModuleNumber If multiple modules of the same device are used, increment this so that each module is unique.</p>
Inputs	<p>Pass-Thru-In, Serial Used to pass any string into the main module. Improper formatting may result in errors.</p> <p>Subscribe, Digital Creates a connection to the Sennheiser Processor module and allows child module to accept incoming data.</p> <p>RX[1~4]</p> <p>RX[x]_Audio_Level_Tracking Digital 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.</p> <p>RX[x]_Mute_State_Enable, Digital Pulse to Enable the Mute State. Doing this will mute the connected device.</p> <p>RX[x]_Mute_State_Disable, Digital Pulse to Disable the Mute State. Doing this will unmute the connected device</p> <p>RX[x]_Mute_State_Toggle Digital Pulse to toggle the mute state.</p> <p>RX[x]_RF_Signal_Tracking Digital High to track the RF Signal Level changes in real time, Low to disable the tracking of Level. *This is because there is alot of data coming back when this is enabled.</p>

TX[x]_Battery_Lifetime_Tracking Digital

High to track the Battery Lifetime changes in real time.

Low to disable the tracking of battery lifetime.

*This is because there is alot of data coming back when this is enabled.

TX[x]_LowCut_Enable, Digital

Pulse to Enable the Audio LowCut Setting.

TX[x]_LowCut_Disable, Digital

Pulse to Disable the Audio LowCut Setting.

TX[x]_LowCut_Toggle Digital

Pulse to toggle the Audio LowCut state.

Outputs

Pass-Thru-Out, Serial

Used to display any data from the main processor that is not part of the main module.

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.

Device_Product, Serial

Displays the Product type in serial form: "EW-DX".

Device_Name, Serial

Displays the Name given to the device in serial form.

Device_Location, Serial

Displays the Location Name given to the device in serial form.

Device_Serial_Number, Serial

Displays the Serial Number given to the device in serial form.

Device_Firmware, Serial

Displays the Firmware version currently running on the device in serial form.

Device_Ports, Analog

Displays the type of the EW-DX receiver unit. (0 default , 2 -2 Port, 4 - 4 Port).

Errors, Serial

Displays any errors encountered from the device in serial form.

Warnings, Serial

Displays any warnings in serial form.

RX[1~4]

RX[x]_Name, Serial

Displays the Name given to the RX channel device in serial form.

RX[x]_Audio_Level_Tracking_Fb, Digital

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.

RX[x]_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).

RX[x]_Mute_State_Enabled_Fb, Digital

Goes high if the mute state is enabled.

RX[x]_Mute_State_Disabled_Fb, Digital

Goes high if the mute state is not enabled.

RX[x]_RF_Signal_Tracking_Fb, Digital

High to track the RF Signal Level changes in real time,

Low to disable the tracking of Level.

*This is because there is a lot of data coming back when this is enabled.

	<p>RX[x]_RF_Signal_Fb, Analog Displays the RF Quality when a device is connected. (0%-100%)</p> <p>RX[x]_RF_Frequency, Serial Displays the RF Frequency when a device is connected.</p> <p>RX[x]_TX_Active, Digital Will go High when the device is active and connected.</p> <p>TX[x]_Name, Serial Displays the Name given to the TX channel device in serial form.</p> <p>TX[x]_Device_Type_Shift, Analog Displays the currently paired device type. (0 Handheld, 1 Bodypack, 2 Tablestand, 3 Boundary).</p> <p>TX[x]_Capsule_Info, Serial Displays the Capsule information if available fo the connected device.</p> <p>RX[x]_Battery_Lifetime_Tracking_Fb ,Digital High to track the Battery Lifetime changes in real time. Low to disable the tracking of battery lifetime. *This is because there is alot of data coming back when this is enabled.</p> <p>TX[x]_Battery_Lifetime, Analog Displays the battery life left. (displayed in seconds)</p> <p>TX[x]_Battery_Gauge, Analog Displays in percent how much battery life the device currently has. (0%-100%).</p> <p>TX[x]_Battery_Type, Analog Displays the battery type for the connected device.</p> <p>TX[x]_LowCut_Enabled_Fb, Digital Goes high if the Audio LowCut is enabled.</p> <p>TX[x]_LowCut_Disabled_Fb, Digital Goes high if the Audio LowCut is not enabled.</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>12/15/22</td> <td>Initial structure.</td> </tr> <tr> <td>1.00.01</td> <td>01/29/23</td> <td>Added ModuleNumber parameter</td> </tr> </tbody> </table>	Version	Date	Remarks	1.00.00	12/15/22	Initial structure.	1.00.01	01/29/23	Added ModuleNumber parameter
Version	Date	Remarks								
1.00.00	12/15/22	Initial structure.								
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Advisories/ remarks										
Dependencies	<i>SennheiserProcessor.usp, Sennheiser EW-DX v1.00.01umc, SennheiserEWDX._1_00_01usp, SennheiserClient.clz</i>									
Processor support	2-Series, not currently supported. 3-Series, supported.									