



# SENNHEISER

## Sennheiser EW-DX Module Help File

Sennheiser, AV clients (Crestron)



### SENNHEISER EW-DX V1.01.00 MODULE HELP

Module name	Sennheiser EW-DX v2.00.00.umc, SennheiserEWDX_2_00_00.usp, SennheiserClient.clz
Version	2.00.00
Description	This document defines the common Crestron module interface for the Sennheiser EW-DX unit.
Maintainer	Sennheiser
Parameters	<b>IP Address</b> Ip address of device to connect and control

	<p><b>ApiPassword</b>  Password to use for the API Access.</p>
Inputs	<p><b>Pass-Thru-In, Serial</b>  Used to pass a string command to add or remove a subscription.  Format: XXX:YYY  where XXX is either ADD, or REMOVE.  YYY is the api command  example: /api/device/site  “ADD:/api.device/site”  “REMOVE:/api.device/site”</p> <p><b>Debug, Digital</b>  Set to high to enable debugging in console. Set low to disable.</p> <p><b>Start_Subscriptions, Digital</b>  Pulse to start the subscription tracking.</p> <p><b>Stop_Subscriptions, Digital</b>  Pulse to stop the subscription tracking.</p> <p><b>RX[1~4]</b></p> <p><b>RX[x]_Identify_Enable, Digital</b>  Pulse to Enable the Identify mode.</p> <p><b>RX[x]_Identify_Disable, Digital</b>  Pulse to Disable the Identify mode.</p> <p><b>RX[x]_Identify_Toggle Digital</b>  Pulse to toggle the Identify mode state.</p> <p><b>RX[x]_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 alot of data coming back when this is enabled.</p> <p><b>RX[x]_Mute_State_Enable, Digital</b>  Pulse to Enable the Mute State. Doing this will mute the connected device.</p> <p><b>RX[x]_Mute_State_Disable, Digital</b>  Pulse to Disable the Mute State. Doing this will unmute the connected device</p> <p><b>RX[x]_Mute_State_Toggle Digital</b>  Pulse to toggle the mute state.</p>

	<p><b>RX[x]_RF_Signal_Tracking Digital</b></p> <p>High to track the RF Signal Level changes in real time, Low to disable the tracking of Level.</p> <p>*This is because there is alot of data coming back when this is <b>enabled.</b></p>
--	--

Outputs	<p><b><i>Pass-Thru-Out, Serial</i></b>  Used to display any data from the main processor that is not part of the main module.</p> <p><b><i>Debug_Fb, Digital</i></b>  While high debugging will appear in console.</p> <p><b><i>Communicating_Fb, Digital</i></b>  Will go High when the module has succesfully established a response from the process module. Will go low if 5 commands fail.</p> <p><b><i>Device_Product, Serial</i></b>  Displays the Product type in serial form: "EW-DX".</p> <p><b><i>Device_Name, Serial</i></b>  Displays the Name given to the device in serial form.</p> <p><b><i>Device_Location, Serial</i></b>  Displays the Location Name given to the device in serial form.</p> <p><b><i>Device_Position, Serial</i></b>  Displays the Position Name given to the device in serial form.</p> <p><b><i>Device_Serial_Number, Serial</i></b>  Displays the Serial Number given to the device in serial form.</p> <p><b><i>Device_Firmware, Serial</i></b>  Displays the Firmware version currently running on the device in serial form.</p> <p><b><i>Device_Channels, Analog</i></b>  Displays the type of the EW-DX receiver unit. (0 default , 2 -2 Port, 4 - 4 Port).</p> <p><b><i>Warnings, Serial</i></b>  Displays any warnings encountered from the device in serial form.</p> <p><b><i>Status, Serial</i></b>  Displays any statuses in serial form.</p> <p><b><i>RX[1~4]</i></b></p> <p><b><i>RX[x]_Name, Serial</i></b>  Displays the Name given to the RX channel device in serial form.</p> <p><b><i>RX[x]_Identify_Enabled_Fb, Digital</i></b>  Goes high if the Identify mode state is enabled.</p> <p><b><i>RX[x]_Identify_Disabled_Fb, Digital</i></b>  Goes high if the Identify mode state is not enabled.</p> <p><b><i>RX[x]_Audio_Level_Tracking_Fb, Digital</i></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 alot of data coming back when this is enabled.</p> <p><b><i>RX[x]_Audio_Level_dB, Analog</i></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><i>RX[x]_Mute_State_Enabled_Fb, Digital</i></b></p>
---------	--

	<p><i>Goes high if the mute state is enabled.</i></p> <p><b><i>RX[x]_Mute_State_Disabled_Fb, Digital</i></b> <i>Goes high if the mute state is not enabled.</i></p> <p><b><i>RX[x]_RF_Signal_Tracking_Fb, Digital</i></b></p> <p>High to track the RF Signal Level changes in real time, Low to disable the tracking of Level.</p> <p>*This is because there is alot of data coming back when this is enabled.</p> <p><b><i>RX[x]_RF_Signal_Fb, Analog</i></b> <i>Displays the RF Quality when a device is connected. (0%-100%)</i></p> <p><b><i>RX[x]_RF_Frequency, Serial</i></b> <i>Displays the RF Frequency when a device is connected.</i></p> <p><b><i>RX[x]_TX_Active, Digital</i></b> <i>Will go High when the device is active and connected.</i></p> <p><b><i>RX[x]_TX_Name, Serial</i></b> <i>Displays the Name given to the TX channel device in serial form.</i></p> <p><b><i>RX[x]_TX_Identify_Enabled_Fb, Digital</i></b> <i>Goes high if the TX Identify state is enabled.</i></p> <p><b><i>RX[x]_TX_Identify_Disabled_Fb, Digital</i></b> <i>Goes high if the TX Identify state is not enabled.</i></p> <p><b><i>RX[x]_TX_Type_Name, Serial</i></b> <i>Displays the Name given to the TX type of device in serial form.</i></p> <p><b><i>RX[x]_TX_Capsule_Info, Serial</i></b> <i>Displays the Capsule information if available fo the connected device.</i></p> <p><b><i>RX[x]_TX_Battery_Lifetime, Analog</i></b> <i>Displays the battery life left. (displayed in seconds)</i></p> <p><b><i>RX[x]_TX_Battery_Gauge, Analog</i></b> <i>Displays in percent how much battery life the device currently has. (0%-100%).</i></p> <p><b><i>TX[x]_Battery_Type, Serial</i></b> <i>Displays the battery type for the connected device.</i></p> <p><b><i>RX[x]_TX_Mute_State_Enabled_Fb, Digital</i></b> <i>Goes high if the TX mute state is enabled.</i></p> <p><b><i>RX[x]_TX_Mute_State_Disabled_Fb, Digital</i></b> <i>Goes high if the TX mute state is not enabled.</i></p> <p><b><i>RX[x]_TX_LowCut, Serial</i></b> <i>Audio LowCut is serial string.</i></p>			
Version History	<table><tr><th>Version</th><th>Date</th><th>Remarks</th></tr></table>	Version	Date	Remarks
Version	Date	Remarks		

	2.00.00	05/05/25	Initial structure for SSCv2 api	
Advisories/ remarks				
Dependencies	<i>SennheiserProcessor.usp, Sennheiser EW-DX v2.00.00umc, SennheiserEWDX._2_00_00usp, SennheiserSSE.dll, SennheiserEWDX.dll</i>			
Processor support	<i>2-Series, not currently supported. 3-Series, not currently supported. 4-Series, supported.</i>			