



SENNHEISER

Sennheiser TCCM Module Help File

Sennheiser, AV clients (Crestron)



SENNHEISER TCCM MODULE HELP

Module name	<i>Sennheiser TCCM v1.00.00.umc, SennTCCM.usp, SennheiserTCC.clz/.dll</i>
Version	<i>1.00.00</i>
Description	This document defines the common Crestron module interface for the Sennheiser TCCM unit.
Maintainer	Sennheiser
Inputs	<p>Pass-Thru-In, Serial <i>Used to pass a string command to add or remove a subscription.</i> <i>Format: XXX:YYY</i> <i>where XXX is either ADD, or REMOVE.</i> <i>YYY is the api command</i> <i>example: /api/device/site</i> <i>“ADD:/api.device/site”</i> <i>“REMOVE:/api.device/site”</i></p> <p>Subscribe, Digital <i>Pulse to start the subscription tracking.</i></p> <p>Unsubscribe, Digital <i>Pulse to stop the subscription tracking.</i></p> <p>Identify, Digital <i>Pulse to set the unit into Identify Mode.</i></p> <p>General Settings</p> <p>Position_Tracking, Digital <i>While high, will actively track the elevation and azimuth, while low, will not update the position levels.</i></p> <p>Exclusion_ZoneX_Active, Digital <i>Sets the Exclusion Zone switch to the On position.</i></p> <p>Exclusion_ZoneX_Inactive, Digital <i>Sets the Exclusion Zone switch to the Off position.</i></p> <p>Exclusion_ZoneX_Toggle, Digital <i>Toggles the state of the Exclusion Zone switch position.</i></p> <p>Priority_Zone_Active, Digital <i>Sets the Priority Zone switch to the On position.</i></p> <p>Priority_Zone Inactive, Digital <i>Sets the Priority Zone switch to the Off position.</i></p> <p>Priority_Zone_Toggle, Digital <i>Toggles the state of the Priority Zone switch position.</i></p> <p>LED_Settings</p> <p>LED_Brightness, Analog <i>Sets the LED Brightness value. (Values 0-5)</i></p>

	<p>LED_Custom_Color_Active, Digital Sets the LED_Custom_Color switch to the On position.</p> <p>LED_Custom_Color_Inactive, Digital Sets the LED_Custom_Color switch to the Off position.</p> <p>LED_Custom_Color_Toggle, Digital Toggles the state of the LED_Custom_Color switch position.</p> <p>LED_Custom_Color, Analog Sets the LED Custom Color value. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)</p> <p>LED_MicOn_Color, Analog Sets the LED MicOn Color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)</p> <p>LED_MicMute_Color, Analog Sets the LED MicMute color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)</p> <p>Audio_Settings</p> <p>Audio_Level_Tracking, Digital While high, will actively track the audio level, while low, will not update the audio level.</p> <p>Mute_Enable, Digital Sets the mute to the On position.</p> <p>Mute_Disable, Digital Sets the mute to the Off position.</p> <p>Mute_Toggle, Digital Toggles the state of the mute position.</p> <p>Audio_EQ_Level_X, Analog Sets the corresponding EQ level value.</p> <p>TruVoiceLift_Active, Digital Sets the TruVoiceLift switch to the On position.</p> <p>TruVoiceLift_Inactive, Digital Sets the TruVoiceLift switch to the Off position.</p> <p>TruVoiceLift_Toggle, Digital Toggles the state of the TruVoiceLift switch position.</p>
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>Identify_Fb, Digital Goes high if the unit is in Identify Mode.</p> <p>Device_Product, Serial Displays the Product type in serial form. "TCCM"</p>

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_Position, Serial

Displays the Position given from the device in serial form.

Device_Serial_Number, Serial

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

Device_Firmware, Serial

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

Errors, Serial

Displays any errors encountered from the device in serial form.

Warnings, Serial

Displays any warnings in serial form.

General_Settings**Position_Tracking_Fb, Digital**

While high, will actively track the elevation and azimuth, while low, will not update the position levels.

Beam_Elevation, Analog

Displays the beam elevation value.

Beam_Azimuth, Analog

Displays the beam azimuth value.

Exclusion_ZoneX_Active_Fb, Digital

High while the Exclusion Zone switch is in the On position.

Exclusion_ZoneX_Inactive_Fb, Digital

High while the Exclusion Zone switch is in the Off position.

Priority_Zone_Active_Fb, Digital

High while the Priority Zone switch is in the On position.

Priority_Zone_Inactive_Fb, Digital

High while the Priority Zone switch is in Off position.

LED_Settings**LED_Brightness_Fb, Analog**

Sets the LED Brightness value. (Values 0-5)

LED_Custom_Color_Active_Fb, Digital

High while the LED_Custom_Color switch to the On position.

LED_Custom_Color_Inactive_Fb, Digital

High while the LED_Custom_Color switch to the Off position.

LED_Custom_Color_Fb, Analog

Reports the LED custom color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)

LED_MicOn_Color, Analog

Sets the LED MicOn color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5.

	<p>YELLOW 6. ORANGE 7. CYAN 8. PINK)</p> <p>LED_MicMute_Color, Analog</p> <p>Sets the LED MicMute color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)</p> <p>Audio_Settings</p> <p>Audio_Level_Tracking_Fb, Digital</p> <p>While high, will actively track the audio level, while low, will not update the audio level.</p> <p>Mute_Enabled, Digital</p> <p>Goes high when the mute is On.</p> <p>Mute_Disabled, Digital</p> <p>Goes high when the mute is Off.</p> <p>Audio_Level_dB, Analog</p> <p>Displays active volume level.</p> <p>Audio_Attenuation, Analog</p> <p>Displays the set attenuation value.</p> <p>Audio_Sensitivity_Threshold, Serial</p> <p>Displays the serial value for sensitivity threshold.</p> <p>Audio_EQ_Level_X_Fb, Analog</p> <p>Displays the corresponding EQ level value.</p> <p>TruVoiceLift_Active_Fb, Digital</p> <p>Goes high when the TruVoiceLift switch is On.</p> <p>TruVoiceLift_Inactive_Fb, Digital</p> <p>Goes high when the TruVoiceLift switch is Off.</p>						
Version History	<table border="1"> <thead> <tr> <th>Version</th> <th>Date (yy/mm/dd)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1.00.00</td> <td>23/08/15</td> <td>Initial structure.</td> </tr> </tbody> </table>	Version	Date (yy/mm/dd)	Remarks	1.00.00	23/08/15	Initial structure.
Version	Date (yy/mm/dd)	Remarks					
1.00.00	23/08/15	Initial structure.					
Advisories/ remarks							
Dependencies	<i>Sennheiser TCCM v1.00.00.umc, SennTCCM.usp, SennheiserTCC.clz/.dll</i>						
Processor support	<p>2-Series, not currently supported.</p> <p>3-Series, not currently supported.</p> <p>4-series, supported</p>						
Notes:	Due to the nature of Server Sent Events (SSE) crestron 4-series is the only platform that supports this module.						