



SENNHEISER

Sennheiser TCCM Plus Module Help File

Sennheiser, AV clients (Crestron)



SENNHEISER TCCM PLUS MODULE HELP

Module name	<i>Sennheiser TCCMPlus v2.00.00.umc, SennTCCMPlus_2_00_00.usp, SennheiserTccmPlus.clz/.dll, SennheiserSse.clz/.dll</i>
Version	<i>2.00.00</i>
Description	This document defines the common Crestron module interface for the Sennheiser TCCM Plus unit.
Maintainer	Sennheiser
Inputs	<i>Pass-Thru-In, Serial</i> <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> <i>Subscribe, Digital</i> <i>Pulse to start the subscription tracking.</i> <i>Unsubscribe, Digital</i> <i>Pulse to stop the subscription tracking.</i> <i>Identify, Digital</i> <i>Pulse to set the unit into Identify Mode.</i> <i>General_Settings</i> <i>Position_Tracking, Digital</i> <i>While high, will actively track the elevation and azimuth, while low, will not update the position levels.</i> <i>Exclusion_ZoneX_Active, Digital</i> <i>Sets the Exclusion Zone switch to the On position.</i> <i>Exclusion_ZoneX_Inactive, Digital</i> <i>Sets the Exclusion Zone switch to the Off position.</i> <i>Exclusion_ZoneX_Toggle, Digital</i> <i>Toggles the state of the Exclusion Zone switch position.</i> <i>Priority_Zone_Active, Digital</i> <i>Sets the Priority Zone switch to the On position.</i> <i>Priority_Zone_Inactive, Digital</i> <i>Sets the Priority Zone switch to the Off position.</i> <i>Priority_Zone_Toggle, Digital</i> <i>Toggles the state of the Priority Zone switch position.</i> <i>LED_Settings</i> <i>LED_Brightness, Analog</i>

	Sets the LED Brightness value. (Values 0-5) LED_Custom_Color_Active, Digital Sets the LED_Custom_Color switch to the On position. LED_Custom_Color_Inactive, Digital Sets the LED_Custom_Color switch to the Off position. LED_Custom_Color_Toggle, Digital Toggles the state of the LED_Custom_Color switch position. 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) 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) 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) Audio_Settings Audio_Level_Tracking, Digital While high, will actively track the audio level, while low, will not update the audio level. Mute_Enable, Digital Sets the mute to the On position. Mute_Disable, Digital Sets the mute to the Off position. Mute_Toggle, Digital Toggles the state of the mute position. Audio_EQ_Level_X, Analog Sets the corresponding EQ level value. TruVoiceLift_Active, Digital Sets the TruVoiceLift switch to the On position. TruVoiceLift_Inactive, Digital Sets the TruVoiceLift switch to the Off position. TruVoiceLift_Toggle, Digital Toggles the state of the TruVoiceLift switch position.
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. Identify_Fb, Digital Goes high if the unit is in Identify Mode. Device_Product, Serial

	<i>Displays the Product type in serial form. "TCCM"</i> Device_Name, Serial <i>Displays the Name given to the device in serial form.</i> Device_Location, Serial <i>Displays the Location Name given to the device in serial form.</i> Device_Position, Serial <i>Displays the Position given from the device in serial form.</i> Device_Serial_Number, Serial <i>Displays the Serial Number given from the device in serial form.</i> Device_Firmware, Serial <i>Displays the Firmware currently running on the device in serial form.</i> Errors, Serial <i>Displays any errors encountered from the device in serial form.</i> Warnings, Serial <i>Displays any warnings in serial form.</i> General_Settings Position_Tracking_Fb, Digital <i>While high, will actively track the elevation and azimuth, while low, will not update the position levels.</i> Beam_Elevation, Analog <i>Displays the beam elevation value.</i> Beam_Azimuth, Analog <i>Displays the beam azimuth value.</i> Exclusion_ZoneX_Active_Fb, Digital <i>High while the Exclusion Zone switch is in the On position.</i> Exclusion_ZoneX_Inactive_Fb, Digital <i>High while the Exclusion Zone switch is in the Off position.</i> Priority_Zone_Active_Fb, Digital <i>High while the Priority Zone switch is in the On position.</i> Priority_Zone_Inactive_Fb, Digital <i>High while the Priority Zone switch to is in Off position.</i> LED_Settings LED_Brightness_Fb, Analog <i>Sets the LED Brightness value. (Values 0-5)</i> LED_Custom_Color_Active_Fb, Digital <i>High while the LED_Custom_Color switch to the On position.</i> LED_Custom_Color_Inactive_Fb, Digital <i>High while the LED_Custom_Color switch to the Off position.</i> LED_Custom_Color_Fb, Analog <i>Reports the LED custom color . (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK)</i> LED_MicOn_Color, Analog
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	Sets the LED MicOn color. (Values 1. LIGHT GREEN 2. GREEN 3. BLUE 4. RED 5. YELLOW 6. ORANGE 7. CYAN 8. PINK) 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) Audio_Settings Audio_Level_Tracking_Fb, Digital While high, will actively track the audio level, while low, will not update the audio level. Mute_Enabled, Digital Goes high when the mute is On. Mute_Disabled, Digital Goes high when the mute is Off. Audio_Level_dB, Analog Displays active volume level. Audio_Attenuation, Analog Displays the set attenuation value. Audio_Sensitivity_Threshold, Serial Displays the serial value for sensitivity threshold. Audio_EQ_Level_X_Fb, Analog Displays the corresponding EQ level value. TruVoiceLift_Active_Fb, Digital Goes high when the TruVoiceLift switch is On. TruVoiceLift_Inactive_Fb, Digital Goes high when the TruVoiceLift switch is Off.												
Version History	<table><tr><th>Version</th><th>Date (yy/mm/dd)</th><th>Remarks</th></tr><tr><td>1.00.00</td><td>23/08/15</td><td>Initial structure.</td></tr><tr><td>2.00.00</td><td>26/06/14</td><td>Added support for TCCM Plus model. Updtaed recovery routines when losing power or disconnecting from ethernet in error.</td></tr><tr><td>2.00.01</td><td>26/08/10</td><td>Removal of excess commands not implemented</td></tr></table>	Version	Date (yy/mm/dd)	Remarks	1.00.00	23/08/15	Initial structure.	2.00.00	26/06/14	Added support for TCCM Plus model. Updtaed recovery routines when losing power or disconnecting from ethernet in error.	2.00.01	26/08/10	Removal of excess commands not implemented
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Advisories/ remarks													
Dependencies	Sennheiser TCCMPlus v2.00.00.umc, SennTCCMPlus_2_00_00.usp, SennheiserTccmPlus.clz/.dll, SennheiserSse.clz/.dll												
Processor support	2-Series, not currently supported. 3-Series, not currently supported. 4-series, supported												
Notes:	Due to the nature of Server Sent Events (SSE) crestron 4-series is the only platform that supports this module.												

