Sennheiser TCBar Module Help File

Sennheiser, AV clients (Crestron)

SENNHEISER TCBAR MODULE HELP

Module name	Sennheiser TCBar v1.00.00.umc, SennTCBar.usp, SennheiserTCC.clz/.dll
Version	1.00.00
Description	This document defines the common Crestron module interface for the Sennheiser TCBar unit.
Maintainer	Sennheiser
Inputs	**Pass-Thru-In, Serial** 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" **Debug, Digital** Set to high to enable debugging in console. Set low to disable. **Subscribe, Digital** Pulse to start the subscription tracking. **Unsubscribe, Digital** Pulse to stop the subscription tracking. **Identify, Digital** Pulse to set the unit into Identify Mode. **Audio_Sound_Profile, Serial** Set the Audio sound profile. (Valid values: Wallmount, TableTop, AboveDisplay, UnderDisplay, FreeStanding, Custom) **Sound_Prompt_On, Digital** Sets the Sound Prompt switch to the On position. **Sound_Prompt_Off, Digital** Sets the Sound Prompt switch to the Off position. **Sound_Prompt_Toggle, Digital** Toggles the state of the Sound Prompt switch position. **General_Settings** **Position_Tracking, Digital** While high, will actively track the beam position, while low, will not update the position levels. **Exclusion_ZoneX_Active, Digital** Sets the Exclusion Zone switch to the On position. **Exclusion_ZoneX_Inactive, Digital** Sets the Exclusion Zone switch to the Off position. **Exclusion_ZoneX_Toggle, Digital**

Toggles the state of the Exclusion Zone switch position.

Priority_Zone_Active, Digital
Sets the Priority Zone switch to the On position.

Priority_Zone Inactive, Digital
Sets the Priority Zone switch to the Off position.

Priority_Zone_Toggle, Digital
Toggles the state of the Priority Zone switch position.

LED_Settings
LED_Brightness, Analog
Sets the LED Brightness value. (Values 0-5)

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_Input_Mic_EQ_Level_X, Analog
Sets the corresponding EQ level value.

NoiseGate_On, Digital
Sets the NoiseGate switch to the On position.

NoiseGate_Off, Digital
Sets the NoiseGate switch to the Off position.

NoiseGate_Toggle, Digital
Toggles the state of the NoiseGate switch position.

Bluetooth_On, Digital
Sets the Bluetooth switch to the On position.

Bluetooth_Off, Digital
Sets the Bluetooth switch to the Off position.

Bluetooth_Toggle, Digital
Toggles the state of the Bluetooth switch position.

Audio_Output_Level, Analog
Displays the set Audio output value.

Audio_Output_EQ_Level_X, Analog
Sets the corresponding EQ level value.

Video_Settings
Video_Camera_Up/Down/Left/Right, Digital
Pulse to move the internal camera in the specified direction.
Video_Camera_Zoom_In/Out, Digital

	Pulse to zoom the internal camera in or out.
Outputs	**Pass-Thru-Out, Serial** *Used to display any data from the main processor that is not part of the main module.* **Debug_Fb, Digital** While high debugging will appear in console. **Communicating_Fb, Digital** *Will go High when the module has succesfully 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** *Displays the Product type in serial form.* "TCBar" **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.* **Audio_Sound_Profile_Fb, Serial** Shows the Audio sound profile. (Valid values: Wallmount, TableTop, AboveDisplay, UnderDisplay, FreeStanding, Custom) **Sound_Profile_is_Custom, Digital** *While high, will indicate that the current sound profile is custom. Used to expose the EQ level controls.* ### General_Settings **Position_Tracking_Fb, Digital** *While high, will actively track the elevation and azimuth, while low, will not update the position levels.* **Beam_Position, Analog** *Displays the beam position 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 to is in Off position.

LED_Settings
LED_Brightness_Fb, Analog
Sets the LED Brightness value. (Values 0-5)

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_Mic_Input_EQ_Level_X_Fb, Analog
Displays the corresponding EQ level value.

NoiseGate_On_Fb, Digital
Goes high when the NoiseGate switch is On.

NoiseGate_Off_Fb, Digital
Goes high when the NoiseGate switch is Off.

Bluetooth_On_Fb, Digital
Goes high when the Bluetooth switch is On.

Bluetooth_Off_Fb, Digital
Goes high when the Bluetooth switch is Off.

Audio_Input_Bluetooth_Level_Fb, Analog
Displays the current Bluetooth level value while connected.

Audio_Input_USB_Level_Fb, Analog
Displays the current USB level value while connected.

Audio_Output_Level_Fb, Analog
Displays the set attenuation value.

Audio_Output_EQ_Level_X_Fb, Analog
Displays the corresponding EQ level value.

Video_Settings
Video_Camera_Enabled_Fb, Digital
Displays the camera active state. While high, camera is enabled and active.

Version History			
	Version	**Date (yy/mm/dd)**	**Remarks**
	1.00.00	24/04/05	Initial structure.

Advisories/ remarks	

Dependencies	*Sennheiser TCBar v1.00.00.umc, SennTCBar.usp, SennheiserTCC.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.