



Release Notes

VidyoRoom™ Crestron Module

Version 1.0.1

Doc. Rev. A

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Welcome to VidyoRoom Crestron Module Version 1.0.1

General Information	
SIMPL WINDOWS NAME	VidyoRoom Demo PRO2.smw
CATEGORY	Conferencing
VERSION	1.0.1
SUMMARY	Controls the VidyoRoom codec via TCP-IP.
GENERAL NOTES	<p>This module is for control of the VidyoRoom codec via TCP-IP.</p> <p>This module also:</p> <ul style="list-style-type: none"> • Provides true feedback. • Allows video calls to be placed. To call an endpoint directly, enter that endpoint's information on the keyboard using the Keyboard signals. Select the type of endpoint entered at the keyboard using the Manual_Dial_Type signals. (Automatic will detect if an email address has been entered, and if so, will initiate an Inter-Portal Communication (IPC) call. Otherwise, a name will be assumed.) Then use the Manual_Dial_Invite signal to send an invitation to the endpoint (only valid with Entity IDs and Name entries), or use Manual_Dial_Join to join an endpoint's room (only valid with Entity IDs, Names, and IPC entries), or use Manual_Dial_Call to call an endpoint directly (only valid with Entity IDs, Names, and Gateway entries). • To search for an endpoint, enter search text on the keyboard using the Keyboard signals. To begin the search, pulse Contact_Search_Start. Contact_Search_Result outputs populate with search results. Navigate pages by pulsing Contact_Search_Result_Page inputs. Select a contact by pulsing Contact_Search_Result_Select inputs. Contact_Search_Selected outputs populate with selected contact information. Choose to call, join or invite by pulsing corresponding Contact_Search_Selected inputs. • If a call fails due to a PIN requirement, the PIN_Required_fb signal will be high. Enter the PIN via the PIN inputs or select PIN_Cancel to abort. After the four-digit PIN is entered, the call will automatically be retried. • Allows the camera to be moved and selected. NOTE: THE CAMERA CANNOT BE MOVED UNTIL THE CODEC IS A PARTICIPANT IN A CONFERENCE. • Allows speaker and microphone levels to be adjusted as well as muted and unmuted. • Allows the user to search for and select a contact. The module shows the status of the contact search results and allows the user to call, join or invite a contact into a conference. The module also allows the user to call secure endpoints via PIN entry and to answer or reject an incoming call. • Reports the true status of the conference and codec. • Allows IR emulation.
CRESTRON HARDWARE REQUIRED	For 2-Series Processors: Ethernet connectivity required. For 3-Series Processors: Ethernet connectivity required.

General Information	
SETUP OF CRESTRON HARDWARE	None. Module uses a TCP/IP socket connection.
VENDOR FIRMWARE	VidyoRoom 2.2.2 and later
CRESTRON HARDWARE VERSION TESTED	Pro2 4.007.0004 MC3 1.005.0007
VENDOR SETUP	Verify IP address, username, and password.
CABLE DIAGRAM	None

Control		
Camera_Select_<0-5>*	D	Press to select the camera input
Camera_<Up/Down/Left/Right>	D	Press and hold to move the selected camera
Camera_Zoom_<+/->	D	Press and hold to zoom the selected camera in and out
Camera_Hide_<on/off/toggle>*	D	Press to activate or deactivate the Camera Hide function
Speaker_Volume_%	A	Set the codec volume from 0% to 100%
Speaker_Volume_<+/->	D	Press to increase or decrease the speaker volume
Speaker_Mute_<on/off/toggle>*	D	Press to mute or unmute the speaker
Microphone_Level_%*	A	Set the microphone level from 0% to 100%
Microphone_Mute_<on/off/toggle>*	D	Press to mute or unmute the microphone
Keyboard_Clear	D	Press to clear all keyboard text
Keyboard_Backspace	D	Press to clear a single key text entry
Keyboard <qwerty numeric/qwerty alpha/symbols>	D	Press key(s) to enter keyboard text
Keyboard_Shift_fb	D	Hold high for capital A-Z
Manual_Dial_Type <Automatic/Entity_ID/Name/IPC/Gateway>	D	Specify endpoint type on the keyboard (Automatic will detect an email format for IPC calls)
Manual_Dial_Invite	D	Press to invite keyboard entry to the current meeting
Manual_Dial_Join	D	Press to initiate a call to the keyboard entry's room
Manual_Dial_Call	D	Press to initiate a point-to-point call with the keyboard entry
Contact_Search_Start	D	Press to begin the search with the entered text
Contact_Search_Result_Page_First	D	Press to view the first page of contacts

* These messages are not available on the demo program user interface.

Control		
Contact_Search_Result_Page_Previous	D	Press to view the previous page of contacts
Contact_Search_Result_Page_Next	D	Press to view the next page of contacts
Contact_Search_Result_Select_<0-20>*	D	Press to select the corresponding contact
Contact_Search_Selected_Invite*	D	Press to invite the selected contact to the current meeting
Contact_Search_Selected_Join	D	Press to initiate a call to the selected contact's room
Contact_Search_Selected_Call	D	Press to initiate a point-to-point call with the selected contact
PIN_<0-9>	D	Press to enter the PIN for a secure conference
PIN_Cancel	D	Press to abort the PIN entry
PIN_Done	D	Completes the PIN entry and attempts to initiate a call using the provided PIN. Makes PIN_Required_fb go low.
Answer_Incoming_Call	D	Press to answer an incoming call
Reject_Incoming_Call	D	Press to reject an incoming call
End_Conference	D	Press to end the conference
Start_Local_Meeting	D	Press to begin a meeting with no participants in the local user's room
IR_<Function>*	D	Pulse to activate any of the IR remote functions
TCP_Connect_fb	D	Connect to the TCP client symbol
TCP_Status	A	Connect to the TCP client symbol
TCP_rx	S	Connect to the TCP client symbol

Parameters		
API Username	P	Username used to authenticate and control the codec. Default is "username".
API Password	P	Password used to authenticate and control the codec. Default is "password".
Contact Search Results per Page	P	Number of entries to display per page. Range is 1-20. Default is 20d.

* These messages are not available on the demo program user interface.

Feedback		
Camera_Select_<0-5>_fb*	D	High to indicate currently selected camera
Camera_Hide_<on/off>_fb*	D	High to indicate video privacy
Speaker_Volume_%	A	True feedback indicating the speaker volume level
Speaker_Mute_<fb/nfb>*	D	High to indicate the current state of the mute function
Microphone_Level_%*	A	True feedback indicating the microphone level
Microphone_Mute_<fb/nfb>*	D	High to indicate the current state of the mute function
Keyboard_fb	S	Indicates the contents of the search keyboard
Manual_Dial_Type_<Automatic/Entity_ID/Name/IPC/Gateway>_fb	D	Indicated selected type on the keyboard
Contact_Search_Result_<01-20>	S	Indicates name of contact on page
Contact_Search_Result_<01-20>_Status	A	Indicates the status of the contact on the page as follows: 1=offline; 2=online; 3=busy; 4=busy in own room; 5=empty; 6=full; 7=occupied; 0=unknown
Contact_Search_Result_<01-20>_Secure_fb*	D	Indicates that the contact on the page requires a PIN to connect
Contact_Search_Selected_Title	S	Indicates the name of the selected contact
Contact_Search_Selected_Type	S	Indicates the type of the selected contact as follows: Room, User, Legacy, or Unknown
Contact_Search_Selected_Entity_ID	S	Indicates the Entity ID of the selected contact
PIN_Required_fb	D	Indicates the attempted call failed due to the PIN requirement
Call_Originator_fb	S	Indicates the incoming call originator
Call_State_Idle_fb	D	Indicates the codec is not currently in a call
Call_State_Incoming_Call_fb	D	Indicates the codec is receiving an unanswered call
Call_State_Outgoing_Call_fb	D	Indicates the codec is dialing a call that has yet to be answered
Call_State_Connecting_fb	D	Indicates the codec is negotiating a new call
Call_State_Connected_fb	D	Indicates the codec is in a call
Call_State_Disconnecting_fb	D	Indicates the codec is disconnecting a call
Call_Type_Multipoint_fb	D	Indicates the codec is in a multipoint call (low if not in a call)
Call_Type_PointToPoint_fb	D	Indicates the codec is in a point-to-point call (low if not in a call)
Conference_Participants	A	Indicates the number of participants in the current meeting

* These messages are not available on the demo program user interface.

Feedback		
Codec_Username	S	Indicates that the user logged in to the VidyoPortal
Codec_Display_Name	S	Indicates the display name of the user logged in to the VidyoPortal
Codec_Language	S	Indicates the codec interface language
Codec_State	S	Indicates the reported endpoint state
TCP_tx	S	Connect to the TCP client symbol

Known Issues and Limitations

The following table lists the known issues in Welcome to VidyoRoom Crestron Module *Version*

1.0.1.

ID Number	Issue Type	Issue	Suggested Workaround
	Demo App Issues		
13567		The Search box does not allow the user to enter 256 characters.	
13564		When in a call, the Join Meeting and Call Direct options are enabled on the Search results page.	
13563		When in a call, the Join button is enabled on the Search page.	
13241		When the VidyoRoom state changes from "Available" to "Offline", the remote continues to display the VidyoRoom state as "Available".	
13153		The driver version is not displayed on the UI.	
13151		There is no option to clear the search results on the Search menu.	
13152		When the VidyoRoom is not connected to the Crestron device, the Crestron does not display the VidyoRoom connectivity status.	
13149		When search results are displayed, locked rooms do not show the locked room icon.	
13148		PIN-protected rooms display the locked room icon rather than the PIN-protected room icon.	
13146		When a user enters an invalid PIN to join a PIN-protected room, the Crestron device returns to the pre-call state and displays the "Start Meeting in My Room" option.	
13145		When a user performs a search, the search results display invalid characters if the display names have non-English characters.	
13144		Periodically, when a user performs a search, the search results are not displayed.	Reinitiate the search.
13143		The Delete button on the Menu tab disconnects the VidyoRoom from the conference.	
	Software Issues		
13573		The Crestron module does not support RS-232.	Use TCP/IP.
13572		The Crestron module supports only 2-series processors.	
13562		Volume level changes are updated only through polling and are not part of the status messages sent to subscribed devices.	
13431		There is no remote API command to reset the camera to the default "Home" position.	

ID Number	Issue Type	Issue	Suggested Workaround
13188		Volume level indications are not displayed on the VidyoRoom when volume levels are updated through the API.	You can set the volume levels via the remote devices but the VidyoRoom or any other remote will not be notified until they poll for it.
13154		Log files and filters are not enabled on the Crestron device.	
12944		The Crestron drivers cannot query for the microphone AGC on the VidyoRoom (Status Microphone.0.Agc returns the error VCXCI_ERROR_NOT_IMPLEMENTED).	
12942		The Crestron drivers cannot initiate ID-based searches into the conference participant tree (Status Conference.Participant.6.ParticipantID returns the error VCSCI_ERROR_NOT_FOUND).	
12940		The Crestron drivers assume empty as the idle state (Call.State returns the incorrect VidyoRoom state).	
12900		The Crestron drivers are not able to get the VidyoRoom/API versions (Request 123 Status Endpoint.version does not return the correct VidyoRoom version).	
12810		In rare cases, the VidyoRoom must be rebooted manually.	