

Partner: ClearOne
Model: Collaborate
Device Type: Codec



GENERAL INFORMATION

SIMPLWINDOWS NAME:	ClearOne Collaborate v1.1
CATEGORY:	Conferencing
VERSION:	v1.1
SUMMARY:	This module will control the ClearOne Collaborate via TCP/IP.
GENERAL NOTES:	This module will control the ClearOne Collaborate via TCP/IP.
CRESTRON HARDWARE REQUIRED:	2-Series Processor or 3-Series Processor w/Ethernet port
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	1.5.0 (188.2.126.0 - PQ22)
VENDOR SETUP:	Settings -> General -> Security-> Enable the "Enable Telnet Interface" option.
CABLE DIAGRAM:	N/A

CONTROL:

Accept_Call	D	Pulse to accept incoming call.
Reject_Call	D	Pulse to reject incoming call.
Close_Incoming_Call_Subpage	D	Pulse to close the incoming call subpage.
Participant_Added_Clear	D	Pulse to close the participant added subpage.
Select_Hangup Caller	D	Pulse to show the list of connected endpoints to hang up.
Clear_Hangup Caller	D	Pulse to close the list of connected endpoints to hang up.
Close_Connection_Failed_Subpage	D	Pulse to close the connection failed subpage.
Dial	D	Pulse to dial outgoing call.
Hangup	D	Pulse to hang up individual endpoint selected in list.
Hangup_All	D	Pulse to hang up all endpoints in current session.
Select_Keyboard	D	Pulse to display the keyboard.

Partner: ClearOne
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Device Type: Codec



Keyboard_Close	D	Pulse to close the keyboard.
Keyboard_Clear	D	Pulse to clear address text in field.
Keyboard_Shift	D	Pulse to enable/disable the shift function.
Keyboard_Caps_Lock	D	Pulse to enable/disable the caps lock.
Keyboard_*	D	Pulse to enter address/number to call.
Camera_Up	D	Press to tilt the camera up.
Camera_Down	D	Press to tilt the camera down.
Camera_Left	D	Press to pan the camera left.
Camera_Right	D	Press to pan the camera right.
Camera_Up_Left	D	Press to move the camera diagonally.
Camera_Up_Right	D	Press to move the camera diagonally.
Camera_Down_Left	D	Press to move the camera diagonally.
Camera_Down_Right	D	Press to move the camera diagonally.
Camera_Zoom_<In/Out>	D	Press to zoom the camera in or out.
Camera_Home	D	Pulse to select the camera home position.
Camera_Preset_*	D	Pulse to select camera preset.
Volume_<Up/Down>	D	Press to adjust the volume.
Mic_Mute_<On/Off/Toggle>	D	Pulse to turn mic mute on or off.
Speaker_Mute_<On/Off/Toggle>	D	Pulse to turn speaker mute on or off.
Auto-Answer_<On/Off/Toggle>	D	Pulse to turn auto-answer on or off.
Rise_Exception_<On/Off/Toggle>	D	Pulse to turn rise exception on or off.
Security_Mode_Automatic	D	Pulse to set the security mode to automatic.
Security_Mode_AES	D	Pulse to set the security mode to AES.
Security_Mode_No_Encryption	D	Pulse to set the security mode to no encryption.

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Model: Collaborate
Device Type: Codec



Share_Laptop_<Start/Stop>	D	Pulse to start or stop sharing laptop.
Multicast_<Start/Stop>	D	Pulse to start or stop multicast.
Recording_<Start/Stop>	D	Pulse to start or stop recording.
Streaming_<Start/Stop>	D	Pulse to start or stop streaming.
Do_Not_Disturb_<Enable/Disable>	D	Pulse to enable or disable do not disturb setting.
Bandwidth_*	D	Pulse to set bandwidth.
Call_Type_*	D	Pulse to set the call type.
Session_List_Top	D	Pulse to get to top of list of connected endpoints.
Session_List_Up	D	Pulse to scroll up one page through the list of connected endpoints.
Session_List_Down	D	Pulse to scroll down one page through the list of connected endpoints.
Session_List_Select_*	D	Pulse to select text field in the list of connected endpoints.
Select_DTMF	D	Pulse to display list of endpoints to send DTMF tones to.
Clear_DTMF	D	Pulse to close list of endpoints to send DTMF tones to.
DTMF_<0-9, *, #>	D	Pulse to send DTMF tone to selected endpoint.
IR_Status	D	Pulse to display the current call status.
IR_Data	D	Pulse to initiate data sharing.
IR_Phone_Book	D	Pulse to open the address book.
IR_Help	D	Pulse to display the on-screen online help.
IR_Far_End	D	Pulse to control the position (PTZ) of the camera at the near/far end.
IR_Camera_Control	D	Pulse to configure the camera position settings.
IR_Preset_Recall	D	Pulse to recall a camera preset.
IR_Preset_Set	D	Pulse to set a camera preset.
IR_Back	D	Pulse to return to the previous step/window without saving changes.
IR_Volume_Up	D	Pulse to adjust the volume.

Partner: ClearOne
Model: Collaborate
Device Type: Codec



IR_Volume_Down	D	Pulse to adjust the volume.
IR_Zoom_In	D	Pulse to zoom the camera in.
IR_Zoom_Out	D	Pulse to zoom the camera out.
IR_Dial	D	Pulse to dial a call.
IR_Hang_Up	D	Pulse to hang up a call.
IR_PIP	D	Pulse to cycle through the available PIP modes.
IR_Speed_Dial	D	Pulse to display the speed dial options.
IR_Call_Log	D	Pulse to display the current call log.
IR_Mute_Mic	D	Pulse to mute the local microphone.
IR_Display	D	Pulse to toggle through the local and remote displays.
IR_Settings	D	Pulse to open the settings menu.
IR_Mute_Video	D	Pulse to mute the local video camera.
IR_Mute_Speaker	D	Pulse to mute the speaker.
IR_Go_Up	D	Pulse to navigate menus or control the camera.
IR_Go_Down	D	Pulse to navigate menus or control the camera.
IR_Go_Left	D	Pulse to navigate menus or control the camera.
IR_Go_Right	D	Pulse to navigate menus or control the camera.
IR_OK	D	Pulse to select a highlighted GUI item/function.
IR_Num_<0-9>	D	Pulse to enter a value. In different windows, you can toggle between numbers and letters, depending on the field. Some fields accept numbers only.
IR_Dot	D	Pulse to enter a dot. In different windows, you can toggle between different characters, depending on the field.
IR_Clear	D	Pulse to perform a clear or backspace function.
Select_Dial_Keypad	D	Pulse to display the dial keypad screen.
Select_IR_Functions	D	Pulse to display the IR functions screen.

Partner: ClearOne
Model: Collaborate
Device Type: Codec



Select_Camera_Control	D	Pulse to display the camera control screen.
{{TCP/IP_Client_>>_Connect-F}}	D	Connect to the "Connect-F" output of the TCP/IP Client definition.
{{TCP/IP_Client_>>_status}}	A	Connect to the "status" output of the TCP/IP Client definition.
{{TCP/IP_Client_>>_RX\$}}	S	Connect to the "RX\$" output of the TCP/IP Client definition.

FEEDBACK:

Incoming_Call_Indicator	D	Indicates that an incoming call is present.
Incoming_Call_Type_Text	S	Displays the call type associated with the incoming call.
Incoming_Number_Text	S	Displays the number associated with the incoming call.
Participant_Added_Indicator	D	Indicates that a participant has been added to the session.
Hangup Caller_Subpage	D	Use to display the list of endpoints in the current session to disconnect from.
Connection_Failed_Text	S	Displays the reason for the recent connection failure.
Connection_Failed_Subpage	D	Used to display the connected failed subpage.
First_Call_Subpage	D	Use to display the dialing subpage.
Adding_Endpoint_Subpage	D	Use to display the adding endpoint subpage.
Added_Number_Text	S	Displays the number of the endpoint currently being connected to.
Added_Name_Text	S	Displays the name of the endpoint currently being connected to.
Call_Status_Text	S	Displays the current call status.
License_Is_Valid	D	Indicates that the current license is valid.
License_Is_Invalid	D	Indicates that the current license is invalid.
Conversation_Is_Established	D	Indicates that the conversation is established and that there is a connection to an endpoint.
Conversation_Is_Terminated	D	Indicates that the conversation is terminated and that there is no connection to an endpoint.
Display_Keyboard_Subpage	D	Use to display the keyboard screen.
Address_Text_In	S	Displays the number being entered by the keyboard.

Partner: ClearOne
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Keyboard_Shift_Is_On	D	Indicates that the keyboard shift is active.
Keyboard_Caps_Lock_Is_On	D	Indicates that the keyboard caps lock is active.
Camera_Preset_Stored_Notice	D	Indicates that a camera preset has been stored.
Volume_Gauge	A	Indicates the current volume level.
Mic_Mute_Is_<On/Off>	D	Indicates that mic mute is on or off.
Speaker_Mute_Is_<On/Off>	D	Indicates that speaker mute is on or off.
Auto-Answer_Is_<On/Off>	D	Indicates that auto-answer is on or off.
Rise_Exception_Is_<On/Off>	D	Indicates that rise exception is on or off.
Security_Mode_Is_Automatic	D	Indicates that the security mode is automatic.
Security_Mode_Is_AES	D	Indicates that the security mode is AES.
Security_Mode_Is_No_Encryption	D	Indicates that the security mode is no encryption.
Share_Laptop_Has_Started	D	Indicates that sharing of the laptop has started.
Share_Laptop_Has_Stopped	D	Indicates that sharing of the laptop has stopped.
Multicast_Has_Started	D	Indicates that multicast has started.
Multicast_Has_Stopped	D	Indicates that multicast has stopped.
Recording_Has_Started	D	Indicates that recording has started.
Recording_Has_Stopped	S	Indicates that recording has stopped.
Streaming_Has_Started	D	Indicates that streaming has started.
Streaming_Has_Stopped	D	Indicates that streaming has stopped.
Do_Not_Disturb_Is_Enabled	D	Indicates that do not disturb is enabled.
Do_Not_Disturb_Is_Disabled	D	Indicates that do not disturb is disabled.
Bandwidth_Is_*	D	Indicates the current bandwidth setting.
Call_Type_Is_*	D	Indicates the current call type.
Session_List_Text_*_Is_Active	D	Indicates which item in the session list is active.

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Session_List_*_Text	S	Displays the name/address associated with session list items.
DTMF_Subpage	D	Use to display the DTMF screen.
Display_Dial_Keypad_Page	D	Use to display the dial keypad screen.
Display_IR_Functions_Page	D	Use to display the IR functions screen.
Display_Camera_Control_Page	D	Use to display the camera control screen.
Connection_Status_Text	S	Displays the current TCP/IP connection status between the Crestron processor to the unit being controlled.
Is_Connected	D	Indicates that there is a TCP/IP connection between the Crestron processor to the unit being controlled.
{{Connect_>>_TCP/IP_Client}}	D	Connect to the "Connect" input of the TCP/IP Client definition.
{{TX\$_>>_TCP/IP_Client}}	S	Connect to the "TX\$" input of the TCP/IP Client definition.

PARAMETERS:

Port Number	A	This is for use by System Builder.
Password	S	Enter Telnet Password if being used by unit.

TESTING:

OPS USED FOR TESTING:	3-Series: v1.501.0013 2-Series: v4.008.0008
SIMPL WINDOWS USED FOR TESTING:	v4.03.20
DEVICE DB USED FOR TESTING:	v74.00.002.00
CRES DB USED FOR TESTING:	v55.05.004.00
SYMBOL LIBRARY USED FOR TESTING:	V988
SAMPLE PROGRAM:	3-Series: ClearOne Collaborate v1.1 Demo CP3.smw 2-Series: ClearOne Collaborate v1.1 Demo PRO2.smw
REVISION HISTORY:	v1.0 – Original release. v1.1 – Added Multicast, Recording, Streaming and Do Not Disturb functionality.