

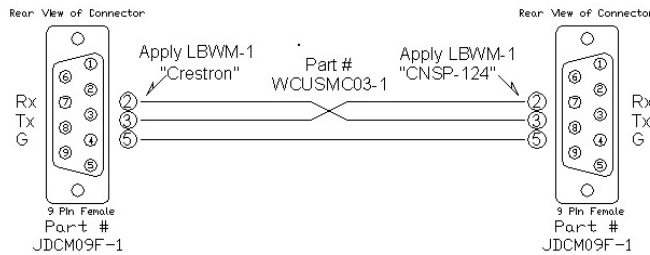
Partner: Lifesize
 Model: Icon 400, 600 & 800
 Device Type: Video Conferencing



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Lifesize Icon 400 600 800
CATEGORY:	Video Conferencing
VERSION:	1.0.0
SUMMARY:	This module will control the Lifesize Icon 400, Icon 600 or Icon 800 via RS232 or SSH
GENERAL NOTES:	This module provides a full feature set for controlling a Lifesize Icon™ series video conference unit. You can communicate to the unit via RS_232 or over ethernet using SSH. In order to use SSH, a 3-series Crestron processor is required
CRESTRON HARDWARE REQUIRED:	2-Series Processor w/Ethernet port, 3-Series Processor w/Ethernet port
SETUP OF CRESTRON HARDWARE:	Standard Network settings, or 115,200, 8,N,1 for RS-232
VENDOR FIRMWARE:	2.9.0
VENDOR SETUP:	Project Dependent
CABLE DIAGRAM:	Standard DB-9: Pin 2:RX, Pin 3: RX, Pin 5: GND. Use "Null Modem" adapter from PC

CNSP-124



CONTROL: (*examples below)

REMOTE_*	D Pulsing these inputs emulate the corresponding action on the Lifesize™ remote control (Up, Down, Left, Right, Select, Mute)
Dial_String_In	S Text input of the endpoint to be dialed, route from a text input or keypad
Dial/Add	D Pulse to dial the number entered in "Dial_String_In"
Hangup_All	D Disconnects endpoint from all calls
Dial_Tog	D This is a convenience input that will dial a call if the endpoint is idle, and hang up all calls if the endpoint is in a call.

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Dial_Cancel	D	Pulse to cancel a dialing operation. If the unit is calling out and the other party has not answered, this will cancel the outgoing dial
Dial_Video	D	Pulse to set the dial type to video
Dial_Audio	D	Pulse to set the dial type to video
Dial_Auto	D	Pulse to set the dial type to auto
End_Call_Select	A	Send an analog decimal value of the call you wish to end. Values outside of the current active calls will be ignored
DTMF_Keypad_*	D	Pulse to simulate DTMF tones while in a call (0-9,#,*)
Video_Mute_*	D	Pulse to change the state of the video going to the far end
Incoming_Call_Answer	D	Pulse to answer an incoming call. If there is already an active call, the new call will be added as a participant
Incoming_Call_End_&_Answer	D	Pulse to end your current call and answer the incoming call
Incoming_Call_Reject	D	Pulse to ignore an incoming call
Incoming_Call_DND	D	Pulse to ignore an incoming call and turn on Do Not Disturb to prevent subsequent incoming calls
Main_Volume_Up	D	Pulse/Hold to increase the local audio output level of the system
Main_Volume_Down	D	Pulse/Hold to decrease the local audio output level of the system
Main_Volume_Slider_In	A	Slider input to set the local audio output level of the system (0-100%)
Privacy_*	D	Pulse to change the state of system privacy. When on, the far end will not hear your audio (On, Off, Toggle)
Camera_Control_Near	D	Pulse to set the camera control inputs to direct to the local camera
Camera_Control_Far	D	Pulse to set the camera control inputs to direct to the far end camera
Camera_Input_Select	A	(Icon 800 only) Send an analog value of the local camera you wish to control. Valid values 1-4d
Camera_tilt_*(up, down)	D	Pulse to tilt the camera up or down
Camera_pan_*(left, right)	D	Pulse to pan the camera left or right
Camera_zoom_*(in, out)	D	pulse to zoom the camera in or out
Camera_Preset_*(0-9)	D	Pulse to recall a camera preset position, hold to store the current position
Presentation_*(On, Off, Toggle)	D	Pulse to turn presentation sharing on, off, or to toggle on/off

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Presentation_Input_Select	A	(Icon 800 only) Send an analog value (1-4d) to select the input for presentation
Layout_Select_*	D	Pulse to set the desired presentation video layout
Record_* (Start, Stop, Tog)	D	Pulse to start or stop recording to Clearsea
Recording_Key	S	Text input to send the key required to start recording (if enabled)
Auto_Answer_* (On, Off, Tog)	D	Pulse to turn the auto answer feature on or off
Auto_Answer_Mute_* (On, Off, Tog)	D	Pulse to turn the auto answer mute feature on or off, when on the system will be automatically muted after it automatically answers a call
Do_Not_Disturb_* (On, Off, Tog)	D	Pulse to turn the system DND on or off
User_GUI_* (On, Off, Tog)	D	Pulse to turn the on screen menu on or off
Sleep_* (On, Off, Tog)	D	Pulse to turn system sleep on or off
PIP_* (On, Off, Tog)	D	Pulse to turn the on screen PIP on or off
Directory_Entry_Select	A	Send an analog value (1-60d) to select a directory contact. It is required to select a directory first (see below)
Directory_* (All, Available, Recents, Meetings, Favorites)	D	Pulse to get the list of entries in the corresponding directory
Directory_Add_To_Fav	D	Pulse to add the currently selected entry to the favorites list
Directory_Remove_From_Fav	D	Pulse to delete the currently selected favorites entry from the favorites list
Directory_Search_Text_In	S	Text input for search criteria
Directory_Search_Enter	D	Pulse to search the selected directory for the text entered in the text input above
Directory_Search_Clear	D	Pulse to clear a search query and return to the full directory
device_rx	S	route all incoming serial data from the unit to this input, RS-232 or SSH

FEEDBACK:

System_Name_Text	S	Text output Feedback containing the system name
System_Model_Text	S	Text output Feedback containing the system model
Dial_String_FB	S	Text Feedback of the current number being dialed
Off_Hook_FB	D	This output will remain high while the system is in an active call
Call_Dialing_FB	D	This output will go high while the system is dialing or if there is an error message

Partner: Lifesize
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Dialing_Error_Message	T	Text output Feedback containing a dialing error message
Dial_Video_FB	D	This output remains high when video is the selected dial type
Dial_Audio_FB	D	This output remains high when audio is the selected dial type
Dial_Auto_FB	D	This output remains high when auto is the selected dial type
Number_Of_Active_Calls	A	Reports the number of active calls in decimal format, 0-10d
Call_x_Information (1-10)	T	Text output fb of the corresponding call information
Video_Mute_is_* (On, Off)	D	The corresponding output remains high to report the current state of the video mute
Incoming_Call_Alert	D	Remains high while the system rings from an incoming call
Incoming_Call_Name	S	Text output containing the name of the incoming caller
Incoming_Call_Number	S	Text output containing the number of the incoming caller
Main_Volume_Level_FB	A	Analog output of the local audio output level of the system (0-100%)
Privacy_Is_* (On, Off)	D	Output of the current state of the system privacy
Camera_Control_*_fb (Near, Far)	D	Feedback of the current camera control selected
Camera_Input_FB	A	(Icon 800 Only) Report of the current camera selected for local control (1-4d)
Presentation_Is_Sending	D	Remains high while local presentation sharing is on
Presentation_is_Receiving	D	Remains high while far-end (remote) presentation sharing is on
Presentation_is_Off	D	Remains high while presentation sharing is off
Presentation_Input_FB	A	(Icon 800 Only) Report of the current local input selected for presentation (1-4d)
Layout_Select_*_is On	D	Output of current presentation layout remains high
Record_Active	D	Remains high while system is recording
Record_Alert_Text_* (1,2)	S	Text outputs containing error messages when using the record functions
Recording_Server_Clearsea_FB	D	Remains high if the recording device is Lifesize Clearsea™
Auto_Answer_Is_* (On, Off)	D	Reports the current state of the system auto answer setting
Auto_Answer_Mute_Is_* (On, Off)	D	Reports the current state of the system auto answer mute setting
Do_not_Disturb_Is_* (On, Off)	D	Reports the current state of the system do not disturb setting

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User_GUI_Is_* (On, Off)	D	Reports the current state of the on screen menu display
Sleep_Is_* (On, Off)	D	Reports the current state of the system standby (sleep)
PIP_is_*	D	Reports the current state of the on-screen PIP window
Directory_Selected_Name	S	Text containing the name of the current selected directory entry
Directory_Selected_Number	S	Text containing the number of the current selected directory entry
Directory_Available	A	Report of the amount of contacts in the current selected directory (max 60d)
Directory_XSIG	S	Serial output of directory contents, needs to be send to an Intersystems Communications symbol set to 0 offset and option 1. See demo program for more Details
device_tx	S	route all outgoing serial data from the module to the transmit of RS-232 or SSH

PARAMETERS:

Directory Type	A	Use the dropdown menu to select which directory you would like to use as the main. Keep in mind that "Local" and "Favorites" are the same directory internally
Recents Order	A	Use the drop down to select the order of the recents call list

Notes and Known Issues:

Get Cloud Meetings	Meeting list retrieval has been implemented with a text filter (get cloud meetings –f "B") to limit the number of entries returned. In large implementations, this text filter should be retained, but altered as necessary to suit the customer naming convention. For small implementations, the text filter can be omitted (get cloud meetings). (ICON-438)
Get Cloud Directory	The results returned by this CLI command are not in alphanumeric order. (ICON-457)
Dial Pad	The * character on the dialpad is routed to the " ASCII symbol. This should be re-routed to *
Active Callers	The module will report up to 10 active callers. This should be increased if desired.

TESTING:

OPS USED FOR TESTING:	3 -Series: v1.501.0013
SIMPL WINDOWS USED FOR TESTING:	V4.03.20
DEVICE DB USED FOR TESTING:	v73.00.001.00

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CRES DB USED FOR TESTING:	v54.05.005.00
SYMBOL LIBRARY USED FOR TESTING:	v983
SAMPLE PROGRAM:	Lifesize Icon Series demo.smw
REVISION HISTORY:	Initial Release: v1.0.0