Partner: ClearOne
Model: INTERACT
Device Type: Conferencing

GENERAL INFORMATION

SIMPLWINDOWS NAME:	ClearOne INTERACT Single Channel Input Control v1.2
CATEGORY:	Conferencing
VERSION:	1.2
SUMMARY:	This module will control a single input channel on the ClearOne INTERACT.
GENERAL NOTES:	This module will control a single input channel on the ClearOne INTERACT. Valid Inputs

Input Type	Interact AT	Interact Pro	Interact Pro with Interact 8i
Mic Input	1-9	1-8	1-16
Line Input	1-2	1-2	1-2
Telco Receive	1	1	1
Processing	Not Available	A-C	A-C

NOTE: The module "ClearOne INTERACT Feedback Processor v1.2" MUST be used to provide the initial processing of the responses from the ClearOne.

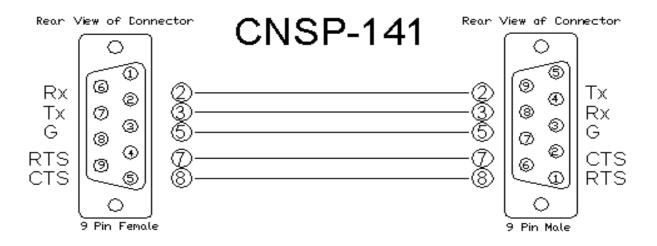|	
CRESTRON HARDWARE REQUIRED:	C2COMI, C2COM-2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 57600 Parity: N Data Bits: 8 Stop Bits: 1 RTS/CTS Handshaking should be enabled to insure no data is lost.
VENDOR FIRMWARE:	1.0.28.0
VENDOR SETUP:	Flow control should be set to "on". The baud rate should be set to 57600.
CABLE DIAGRAM:	CNSP-141

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CNSP-141

CONTROL:

Volume_<Up/Down>	D	Press and hold to adjust the attenuation for the selected crosspoint.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the volume mute on and off.
Auto_Gain_Control_<On/Off/Toggle>	D	Pulse to turn auto gain control on and off.
Phantom_Power_<On/Off/Toggle>	D	Pulse to turn the phantom power on and off.
Coarse_Gain_*_dB	D	Pulse to set the coarse gain.
Mic_Decay_*	D	Pulse to set the mic decay.
Chairman_Override_<On/Off/Toggle>	D	Pulse to turn the chairman override on and off.
Acoustic_Echo_Canceller_<On/Off/Toggle>	D	Pulse to turn the acoustic echo canceller on and off.
Noise_Cancellation_<On/Off/Toggle>	D	Pulse to turn the noise cancellation on and off.
Noise_Cancellation_Depth_<Up/Down>	D	Pulse to adjust the noise cancellation depth.
Get_Initial_Status	D	Pulse to get the current settings. THIS IS NOT TO BE USED FOR CONSTANT POLLING.
Volume_Slider_In	A	Analog input for the volume level. Valid range is 0d to 65535d.
Noise_Cancellation_Depth_Value_In	A	Analog input to allow preset values for the noise cancellation depth values. Valid values are 6d to 15d.
From_Processor_Module	S	Serial input MUST be routed from the To_All_Other_Modules output on the "ClearOne INTERACT Feedback Processor v1.2" module.

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FEEDBACK:

Volume_Mute_Is_<On/Off>	D	High to indicate the current volume mute state.
Auto_Gain_Control_Is_<On/Off>	D	High to indicate the current auto gain control state.
Phantom_Power_Is_<On/Off>	D	High to indicate the current phantom power state.
Coarse_Gain_Is_*_dB	D	High to indicate the current coarse gain setting.
Mic_Decay_Is_*	D	High to indicate the current mic decay setting.
Chairman_Override_Is_<On/Off>	D	High to indicate the current chairman override state.
Acoustic_Echo_Canceller_Is_<On/Off>	D	High to indicate the current acoustic echo canceller state.
Noise_Cancellation_Is_<On/Off>	D	High to indicate the current noise cancellation state.
Unit_Parameter_Channel_Mismatch	D	High to indicate that the selected unit, channel and parameter combination is not a valid combination.
Volume_Level_Gauge	A	Analog signal indicating the current volume level. To be displayed on a gauge on a touch panel.
Noise_Cancellation_Depth_Level_Gauge	A	Analog signal indicating the current noise cancellation depth level. To be displayed on a gauge on a touch panel.
Volume_Level_Text	S	Serial signal indicating the current volume level. To be displayed using indirect text on a touch panel.
Noise_Cancellation_Depth_Level_Text	S	Serial signal indicating the current noise cancellation depth level. To be displayed using indirect text on a touch panel.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

PARAMETER:

Volume_Step	P	Select the desired volume step from the dropdown list. Default is 0.5dB.
Unit_Type	P	Select the unit type to control. Default is INTERACT PRO.
Unit_ID	P	At the time that v1.2 of the module was released, the only valid Unit_ID is ID0.
Channel_ID	P	Select the desired channel from the dropdown list.
Parameter_ID	P	Select the desired control point type from the dropdown list.

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TESTING:

OPS USED FOR TESTING:	4.001.1012
SIMPL WINDOWS USED FOR TESTING:	4.03.20
CRESTRON DB USED FOR TESTING:	54.05.005.00
DEVICE DB USED FOR TESTING:	73.00.001.00
SAMPLE PROGRAM:	ClearOne INTERACT v1.2 Demo PRO2
REVISION HISTORY:	V. 1.0 – Original release. V. 1.2 – Incorporated 3-series best practices into all Simpl+.