

Partner: Renkus-Heinz
Model: IC-R 8
Device Type: Video Projector



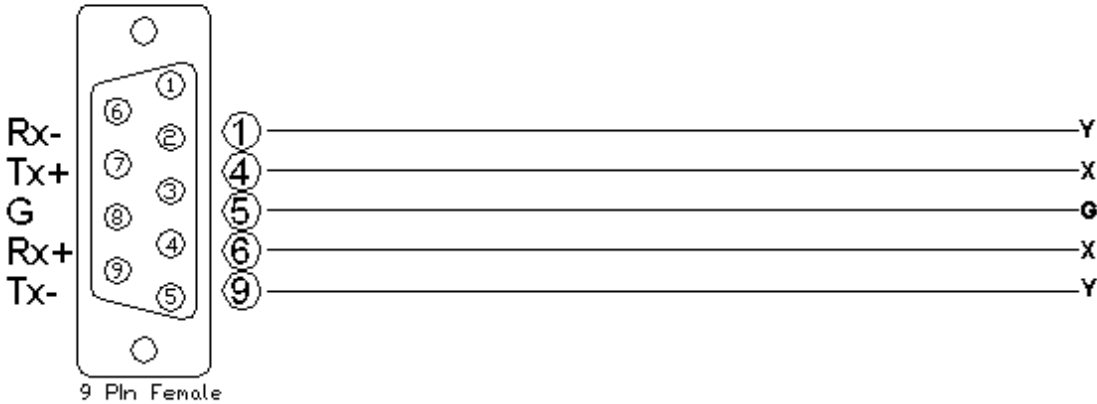
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Renkus-Heinz Iconyx IC-R v1.0
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	This module will control the basic Renkus-Heinz Iconyx IC-R 8 via RS-485
GENERAL NOTES:	<p>This module will control the basic Renkus-Heinz Iconyx IC-R 8 via RS-485. True feedback is provided for the 8 speaker states, voltage status, input signal status and alarm status, AES status, button lock status, mute and pad status, gain and last preset selected. The module will wait for 5s after the last command is sent before polling for status. The Poll_Enable input must be asserted for this to happen. The module will also poll continuously every 5s.</p> <p>When recalling a preset, the preset number must be selected first by incrementing up or down, then triggering the Enter_Sequence signal. This will take 16s to recall the selected preset, and any other signal triggered during this time will be ignored.</p> <p>Typically, you could enable the polling option when the unit's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p>This module was tested using one Iconyx IC-R 8.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
SETUP OF CRESTRON HARDWARE:	RS485 Baud: 57600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	Iconyx IR-C must have its RS485 mode enabled. This is done using RH PassBridge software provided by Renkus-Heinz.
CABLE DIAGRAM:	CUSTOM

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Rear View of Connector



CONTROL:

Remote_Power_<On/Off>	D	Pulse to enable/disable remote power.
Mute_Toggle	D	Pulse to turn mute on or off.
Analog_Pad_Toggle	D	Pulse to enable/disable analog pad.
<Lock/Unlock>_Buttons	D	Pulse to lock/unlock buttons.
AES_<Off/On>	D	Pulse to turn AES on or off.
Phase_Inversion_<On/Off>	D	Pulse to turn phase inversion on or off.
Preset_<Up/Down>	D	Pulse to select preset to be entered.
Gain_<Up/Down>	D	Press to adjust the gain.
Enter_Sequence	D	Pulse to submit preset request.
Poll_En	D	Hold high to enable polling. When high, the unit will be continuously polled for its general settings.
From_Device	S	Serial signal to be routed from an 2 way com port

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FEEDBACK:

Remote_Power_Is_<On/Off>	D	High to indicate the current power state.
Mute_Is_<On/Off>	D	High to indicate the current mute state.
Analog_Pad_Is_<On/Off>	D	High to indicate the current analog pad state.
Fault_Is_<Active/Inactive>	D	High to indicate the current fault state.
AES_Is_<On/Off>	D	High to indicate the current AES state.
Phase_Inversion_Is_<On/Off>	D	High to indicate the current phase inversion state.
Front_LED_Is_<Active/Inactive>	D	High to indicate the current front LED state.
Gain_Text	S	Text displaying the gain setting.
Gain_Value	A	Analog value indicating the gain setting.
Alarm_Pin_Is_<High/Low>	D	High to indicate the current alarm pin state.
Alarm_Pin_Is_<Connected/Disconnected>	D	High to indicate the current alarm pin connection state.
Button_Lock_Is_<Active/Inactive>	D	High to indicate the current button lock state.
Speaker_<1-8>_<Open_Coil/OK>	D	High to indicate the state of speaker coils 1 through 8.
External_RH_Is_<Attached/Unattached>	D	High to indicate the external RH attachment state.
Signal_Is_<Present/Not_Present>	D	High to indicate whether a signal is present or not.
Signal_Clip_Is_<Active/Inactive>	D	High to indicate if the signal is clipping or not.
Status_<+5,+12,+1.8,-12V,+3.3V>_<Active/Inactive>	D	Indicates the presence of voltage.
Last_Loaded_Preset_Value	A	Analog decimal value indicating the last loaded preset value or a new value to be entered by pulsing the "Enter Sequence" signal.
To_Device	S	Serial data signal to be routed to a 2 way com port.

Parameters:

Address	S	Address of the unit being controlled. Will be the last three digits of unit's MAC address. Enter in the following format \xNN\xNN\xNN, ex. \x00\x07\x3E
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**TESTING:**

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.11.18
DEVICE DB USED FOR TESTING:	20.10.005.00
CRES DB USED FOR TESTING:	20.05.021.00
SYMBOL LIBRARY USED FOR TESTING:	608
SAMPLE PROGRAM:	Renkus-Heinz Iconyx IC-R v1.0 Demo PRO2
REVISION HISTORY:	v1.0