

VISION.NET RS232 SERIAL INTERFACE

This document provides basic setup instructions and safety warnings for the following product(s):

63025

Vision.Net RS232 Serial Interface

INSTALLATION

The Vision.Net Network consists of a single CAT5e cable connecting all modules in a daisy chain manner. All units connect to the network using a 9-pin plug-in connector (included).

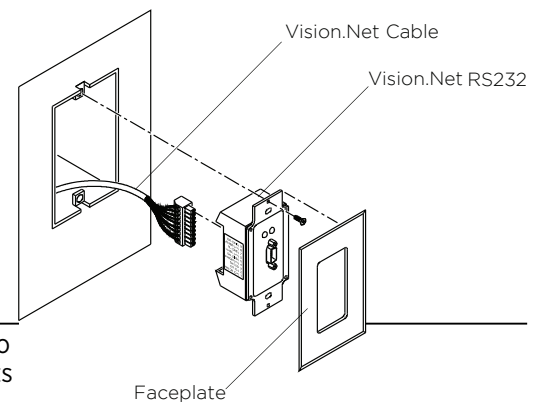
To install the RS232 serial port interface:

- Step 1. Unpack unit and inspect for any signs of shipping damage. Ensure that two mounting screws are included.
- Step 2. Connect Vision.Net Network Cable to 9-pin connector at back of RS232 Interface.

PIN NO.	SIGNAL	WIRE COLOR
1	DATA +	White / Orange
2	DATA -	Orange
3	No Connection	N/A
4	+NET V	White / Green
5	Ground	Green
6	+ NET V	White / Blue
7	Ground	Blue
8	+ NET V	White / Brown
9	Ground	Brown

- Step 3. Insert RS232 Interface into standard deep rough-in box (not included). Secure with two supplied mounting screws.
- Step 4. Snap faceplate into place.

NOTE: A standard IBM-compatible computer can be connected to the Vision.Net Network using the RS232 Interface. The port accepts a standard one-to-one 9-pin serial cable up to 25 feet (7.5 meters) in length.



OPERATION

The RS232 Serial Interface Port operates in one of two modes: Vision.net (binary) or Show Control (ASCII).

VISION.NET MODE	SHOW CONTROL MODE
8-Bit	8 Bit
1-Stop Bit	1 Stop Bit
19200 Baud	9600 Baud
Protocol: Binary	Protocol: ASCII

The unit will sense the incoming protocol and automatically switch to the proper mode.

Note: It may take several messages from either the third-party system or the Vision.net Designer PC before the RS232 Interface switches modes.

COMMUNICATIONS

These are the communication protocols available for use with the RS232 Serial Port Interface.

- Vision.Net Protocol (binary)
- ASCII

TABLE 1. ASCII CODES

DESIGNER COMMANDS	ASCII RS232	NOTES
Print Command Help Page	HH<cr>	
Start Preset	SP rrr pp tt<cr>	rrr = Room (1 - 255), pp = Preset (1-32, 0 = Off), tt Rate Index (see "Rate Index" on page 47)
Toggle Down	TD rrr ccc<cr>	rrr = Room (1 - 255), ccc = Channel (1 - 127)
Toggle Up	TU rrr ccc<cr>	
Learn Preset	LP rrr pp<cr>	rrr = Room (1 - 255), pp = Preset (1-32, 0 = Off)
Slider Level	SL rrr ccc lll<cr>	rrr = Room (1 - 255), ccc = Channel (1 - 127), lll = Level (0 - 255)
Learn Submaster	LS rrr ss<cr>	rrr = Room (1 - 255), ss = Submaster Index (1 - 16)
Manual	MN rrr ggg lll ... lll<cr>	rrr = Room (1 - 255), ggg = Grand Master Level (0 - 255)x, lll = Level (0 - 255)
Expander Group	EG rrr ee ff lll ... lll<cr>	rrr = Room (1 - 255), ee = Expander Group (0 - 15), ff = Index of First Channel, lll = Level (0 - 255)
Start Raise	RA rrr qq<cr>	rrr = Room (1 - 255), qq = Coded Channel (0: Reserved, 1- 127: Channels 1 to 127, 128: All Channels in Room, 129 - 255: Channel in Preset 1 - 126, 255: Current Preset Channels) Note: Sending a second <cr> after a RA or LW command will
Start Lower	LW rrr qq<cr>	
Stop Raise/Lower	ST rrr qq<cr>	
Record Blind	RB rrr pp ggg lll ... lll<cr>	rrr = Room (1 - 255), pp = Preset (1-32, 0 = Off), ggg = Grand Master Level (0 - 255), lll = Level (0 - 255)
Lock Button	LB idd n<cr>	idd = _____, n = Button/LED (1-255)
Unlock Button	UB idd n<cr>	
Smart On	SN idd n<cr>	
Smart Off	SF idd n<cr>	
Define Room Link	DR x fff rrr ... rrr<cr>	x = Links (0: Clear All Links / 1: Do Not Clear), fff = First Room (1-255), rrr = Room (1 - 255)
Submaster Level	SB rrr ss lll<cr>	rrr = Room (1 - 255), ss = Submaster Index (1-16), lll = Level (0 - 255)
Take Control (sub)	TC rrr ggg lll ... lll<cr>	rrr = Room (1 - 255), ggg = Grand Master Level (0 - 255), lll = Level (0 - 255)
Set Channel	SC rrr ccc lll tt<cr>	rrr = Room (1 - 255), ccc = Channel (1 - 127), lll = Level (0 - 255), tt = Rate Index (see "Rate Index" on page 47)
Set Mode	SM mm<cr>	mm = Mode (0 = All Modes)
Send Mimic	MC idd n a<cr>	idd = _____, n = Button/LED (1-255), a = Action (0/1= Off/On or Button Up/Down for Send Mimic Command) (0/1= Button Down/Up for Console Button Command) (0/1= LED Off/On for Console LED Command)
Console Button	CB idd n a<cr>	
Console LED	CL idd n a<cr>	

TABLE 2. RATE INDEX

VALUE	MEANING
0	Instant
1	1 second
2	2 seconds
3	3 seconds
4	5 seconds
5	7 seconds
6	10 seconds
7	15 seconds
8	30 seconds
9	1 minute
10	5 minutes
11	15 minutes
12	30 minutes
13	60 minute

IMPORTANT INFORMATION

WARNINGS AND NOTICES

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- For indoor, dry locations use only. Do not use outdoors.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Not for residential use. Do not use this equipment for other than intended use.
- Refer service to qualified personnel.



SAVE THESE INSTRUCTIONS.



WARNING: You must have access to a main circuit breaker or other power disconnect device before installing any wiring. Be sure that power is disconnected by removing fuses or turning the main circuit breaker off before installation. Installing the device with power on may expose you to dangerous voltages and damage the device. A qualified electrician must perform this installation.



WARNING: Refer to National Electrical Code® and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel.



WARNING: This equipment is intended for installation in accordance with the National Electric Code® and local regulations. It is also intended for installation in indoor applications only. Before any electrical work is performed, disconnect power at the circuit breaker or remove the fuse to avoid shock or damage to the control. It is recommended that a qualified electrician perform this installation.

CUSTOMER SERVICE

If you have any questions regarding this product, please contact Customer Service at +1-214-647-7880 or via e-mail at entertainment.service@signify.

LIMITED 2-YEAR WARRANTY

Strand offers a two-year limited warranty on its control products against defects in materials or workmanship from the date of delivery. A copy of Strand two-year limited warranty containing specific terms and conditions can be obtained from the Strand website at www.strandlighting.com or by contacting your local Strand office.

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