

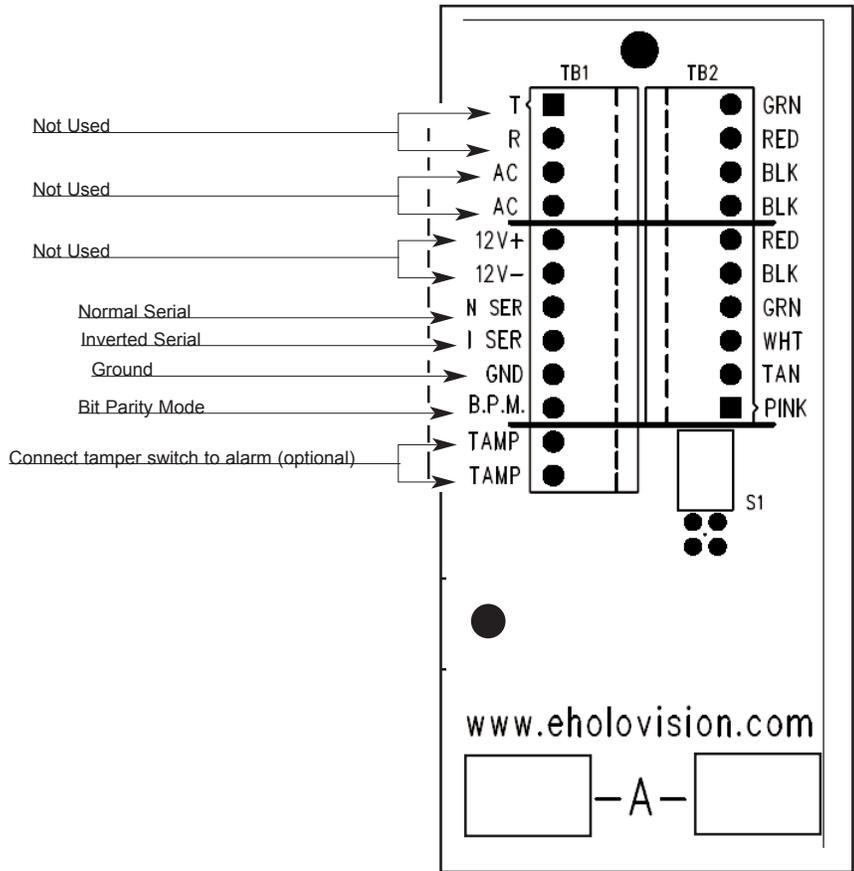


**Manual Type 6.5.0.9-RF**  
 xxx  
 with Essex "ASCII" Keypad

**For Models** \_\_\_\_\_

400-A-VIO	401-A-VIO
403-A-VIO	404-A-VIO
410-A-VIO	411-A-VIO

Specifications	
<p><b>Communication</b>            HoloVision VIO is a SIP enabled intercom module developed specifically with the custom integrator in mind. It works with Crestron RAVA/SIP and most SIP enabled VoIP phone systems and servers.</p>	<p><b>Access Control</b>            Essex K1-26I Keypad field configurable to ASCII, Wiegand and others.</p>



400 Series "A" Junction Board

**INSTALLATION  
 INSTRUCTIONS**

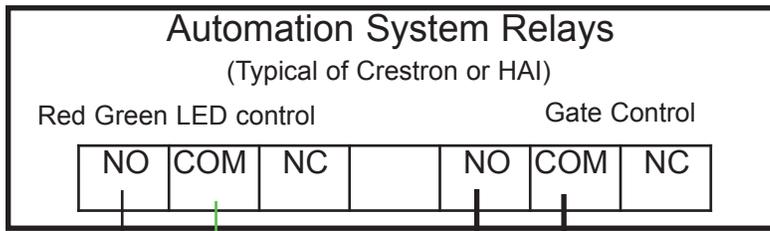
501 E. Goetz Ave.  
 Santa Ana, Ca 92707

[www.eholovision.com](http://www.eholovision.com)

Ph. 714-434-6904  
 Fax 800-362-0002

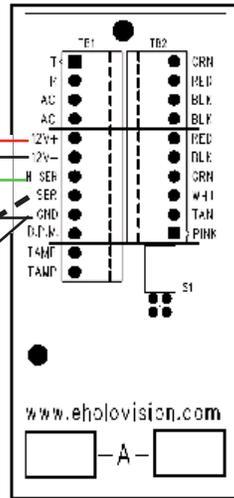
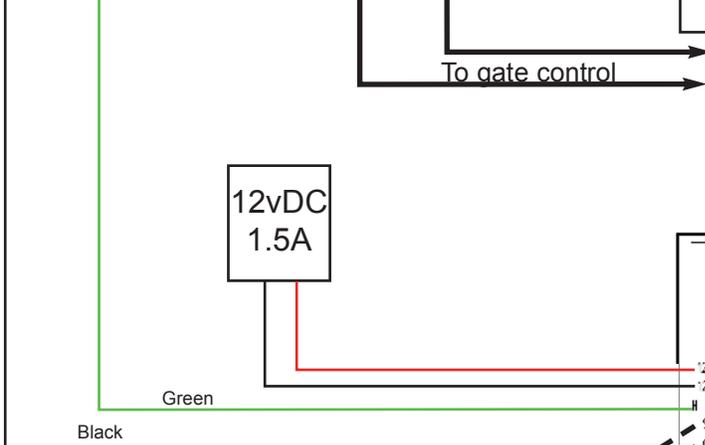
**HOLOVISION**

# ASCII Connection to Crestron or HAI 400



The red LED is normally on all of the time. When a valid code is entered, the relay controlling the LEDs would close, and the green light would go on (momentarily). Note, this relay must be programmed in Crestron or HAI in order for this to take place.

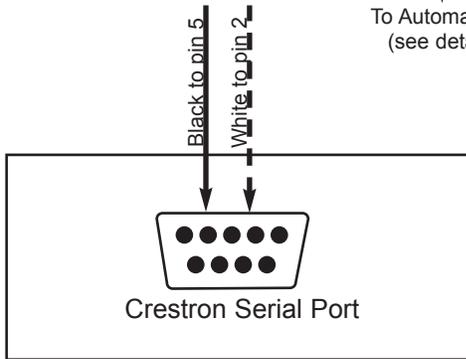
12vDC  
1.5A



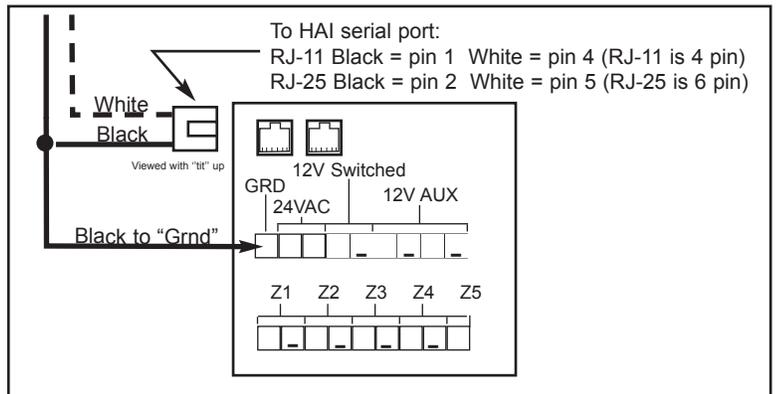
K1-261  
ASCII Keypad

400 Series "A" Junction Board

To Automation System  
(see details below)

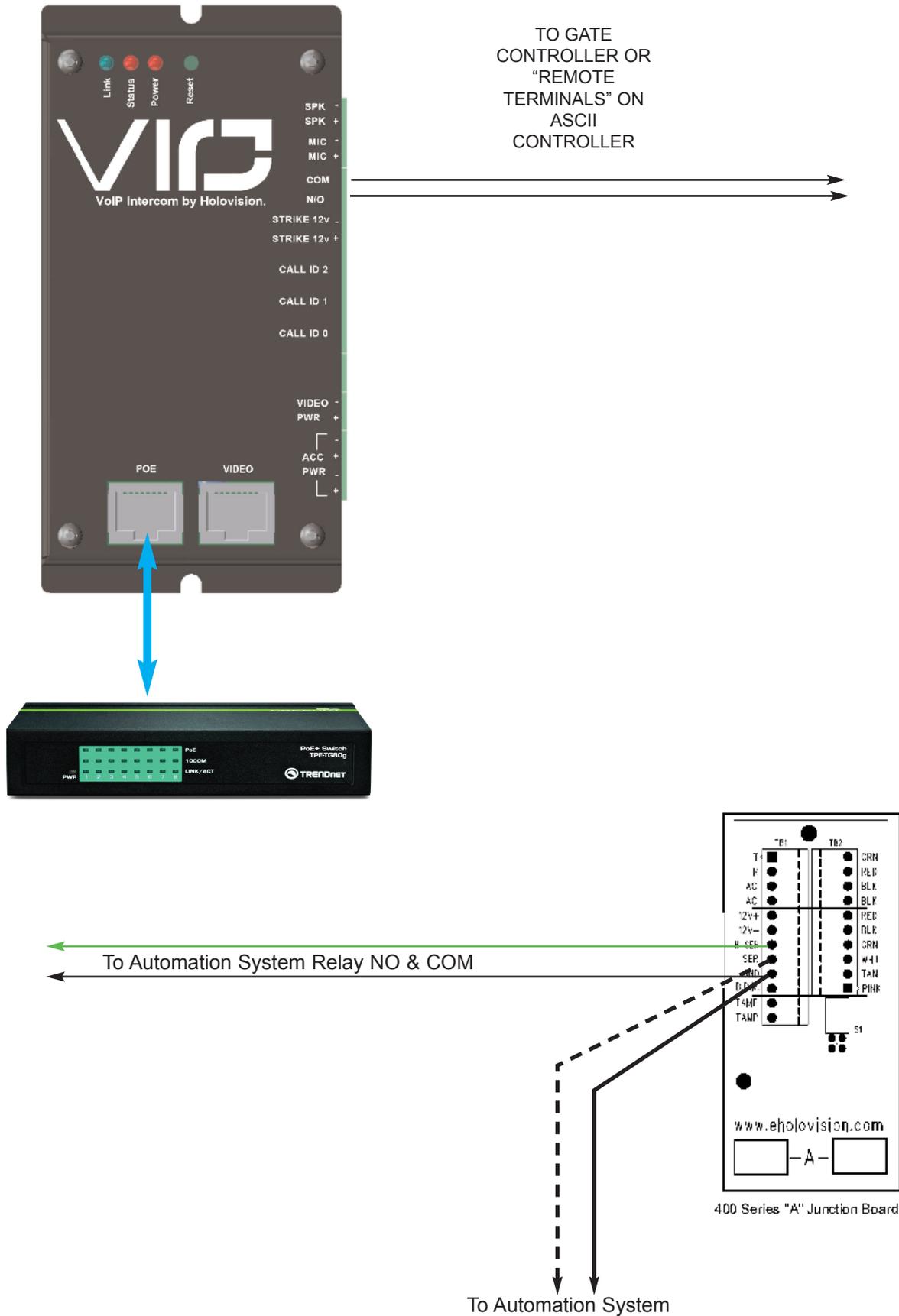


Crestron



HAI

# VIO Wiring Diagram



## VIO RAVA Quick Start

1. Plug the device into the network. Device will speak it's IP address.
2. Navigate to device IP on a web browser.
3. Under "Configuration" please enter SIP ID for the name to be displayed, and enter the extension of the Main RAVA Touchscreen under "Input Call ID 0 Default is **CALL:CRESTRON**"

HOME	PROFILES	CONFIGURATION	STATUS	DEFAULTS
<h1>RAVA-SIP™ CLIENT</h1> V2.12D(08 Apr 2013)				
SIP Door Station				
BASIC SETTINGS				
Basic Settings				
Advanced Settings				
Apply Cancel				
SIP PROTOCOL SETTINGS				
Peer to Peer <input type="radio"/> No <input checked="" type="radio"/> Yes				
SIP ID (username) <input type="text" value="VIO"/>				
OUTBOUND CALL SETTINGS				
Call on Device Inputs				
Input 0 Call ID <input type="text"/>				

**\*Note out of the box the "CALL:CRESTRON" default will ring all touchpanels in the CRESTRON call group.**

4. Configure the Audio settings. **Note:RAVA Operation has been designated to "Push to Talk" (PTT) from Crestron and only this operation will be supported.** Although full duplex and half duplex are an option, these settings do not perform best in all scenarios. As a recommendation you can experiment for the best audio settings.

**AUDIO SETTING BELOW ARE ONLY A RECOMMENDATION**

HOME	PROFILES	CONFIGURATION	STATUS	DEFAULTS	UPDA
<h1>RAVA-SIP™ CLIENT</h1> V2.12D(08 Apr 2013)					
SIP Door Station					
AUDIO SETTINGS					
Basic Settings					
Advanced Settings					
Network					
SIP Protocol					
Outbound Calls					
Inbound Calls					
Audio					
Control Interfaces					
Security					
Apply Cancel					
Input Source <input type="radio"/> Line <input checked="" type="radio"/> Mic					
Encoding <input type="text" value="uLaw / 8 kHz (G.711)"/>					
Volume <input type="text" value="50"/> %					
Microphone Gain <input type="text" value="30"/> dB					
A/D Amplifier Gain <input type="text" value="0"/> dB					
Acoustic Echo Cancellation <input type="radio"/> Off <input checked="" type="radio"/> On					
Talk Mode <input type="radio"/> FDX <input checked="" type="radio"/> HDX					
Output Trigger Level <input type="text" value="1000"/>					
Trigger Level Timeout <input type="text" value="200"/> ms					

5. Configure the relay setting under “Inbound Calls”. Configure the powered relay and the dry contact closure. Choose any 2 to 4 digit combination

**Note; By configuring the request to exit feature you can configure for either relay.**

6. Once the device has been configured you can initiate the call by pressing the button

### SIP Door Station

- Basic Settings
- Advanced Settings**
- Network
- SIP Protocol
- Outbound Calls
- Inbound Calls**
- Audio
- Security

Apply Cancel

### INBOUND CALLS

Input Buffer Level	<input type="text" value="100"/>	ms
Stream Timeout	<input type="text" value="0"/>	minutes
Beep on Call Answer	<input checked="" type="radio"/> Off <input type="radio"/> On	
<i>Power Door Relay Control</i>		
Door Open Code	<input type="text" value="11"/>	
Open Door Relay for	<input type="text" value="5"/> <input type="button" value="v"/>	seconds
Relay Number to Enable at Call Answer	<input type="text" value="disabled"/> <input type="button" value="v"/>	
<i>Switched Door Relay Control</i>		
Door Open Code	<input type="text" value="B&amp;ALL"/>	
Open Door Relay for	<input type="text" value="1"/> <input type="button" value="v"/>	seconds
Relay Number to Enable at Call Answer	<input type="text" value="disabled"/> <input type="button" value="v"/>	
Request To Exit Call ID 2	<input type="text" value="-----"/> <input type="button" value="v"/>	

# VIO(sip) QUICK START

1. Plug the device into network. Device will speak its IP.
2. Navigate to device IP on web browser.
3. Under Configuration please enter the required SIP settings

HOME	CONFIGURATION	STATUS	DEFAULTS	UPDATE	REBOOT
------	---------------	--------	----------	--------	--------

### SIP CLIENT

SIP Door Station

**BASIC SETTINGS**

Basic Settings  
Advanced Settings

Apply Cancel

**SIP PROTOCOL SETTINGS**

Peer to Peer  No  Yes

SIP Server (PBX)

SIP ID (username)

SIP Password (secret)

SIP Display Name

**OUTBOUND CALL SETTINGS**

Call on Device Inputs

Input 0 Call ID

Input 1 Call ID

Input 2 Call ID

**INBOUND CALLS**

Phone pickup mode

Pick/hang up time  seconds

4. Configure the audio settings.. Although full duplex and half duplex are an option, these settings do not perform best in all scenarios. As a recommendation you can experiment for the best audio settings. **AUDIO SETTINGS BELOW ARE ONLY A RECOMENDATION**

HOME	CONFIGURATION	STATUS	DEFAULTS	UPDATE	REBOOT
------	---------------	--------	----------	--------	--------

### SIP CLIENT

SIP Door Station

**AUDIO SETTINGS**

Basic Settings  
Advanced Settings  
Network  
SIP Protocol  
Outbound Calls  
Inbound Calls  
Audio  
Security

Apply Cancel

Encoding

Volume  %

Microphone Gain  dB

A/D Amplifier Gain  dB

Acoustic Echo Cancellation  Off  On

Talk Mode  FDx  HDX

Output Trigger Level

Trigger Level Timeout  ms

AI Phone Support  Yes  No

- Configure the relay settings under inbound calls. Configure the powered relay and also the dry contact closure; chose any 2 to 4 digit code.  
**Note: By configuring the request to exit feature. You can trigger either relay 1 or 2 by doing so.**
- Once the device has been configured you can initiate the call by pressing on the button.

SIP Door Station

- Basic Settings
- Advanced Settings**
- Network
- SIP Protocol
- Outbound Calls
- Inbound Calls**
- Audio
- Security

Apply Cancel

INBOUND CALLS

Input Buffer Level  ms

Stream Timeout  minutes

Beep on Call Answer  Off  On

*Power Door Relay Control*

Door Open Code

Open Door Relay for  seconds

Relay Number to Enable at Call Answer

*Switched Door Relay Control*

Door Open Code

Open Door Relay for  seconds

Relay Number to Enable at Call Answer

Request To Exit Call ID 2



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