Manual Type 6.2.0.9-RF

Holovision VIO Unit with Essex
"S-12 Stand - Alone" Keypad

For Models

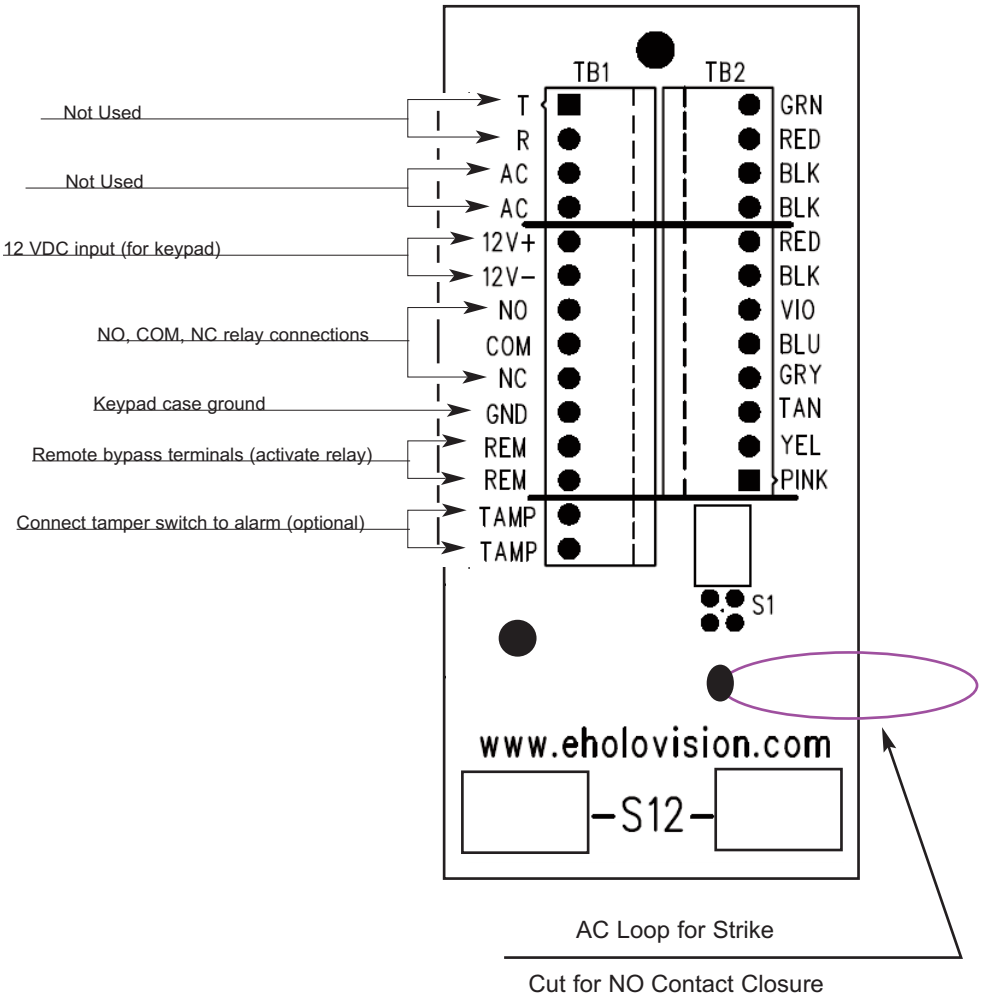
Specifications

Communication

Holovision VIO VoIP Intercom for integration with Crestron RAVA VoIP intercom

Access Control

Essex "stand-alone" 12 button keypad
1 relay plus 2 grounding outputs
(external relays required)
500 users
12 VDC power supply included



INSTALLATION INSTRUCTIONS

501 E. Goetz Ave.
Santa Ana, Ca 92707

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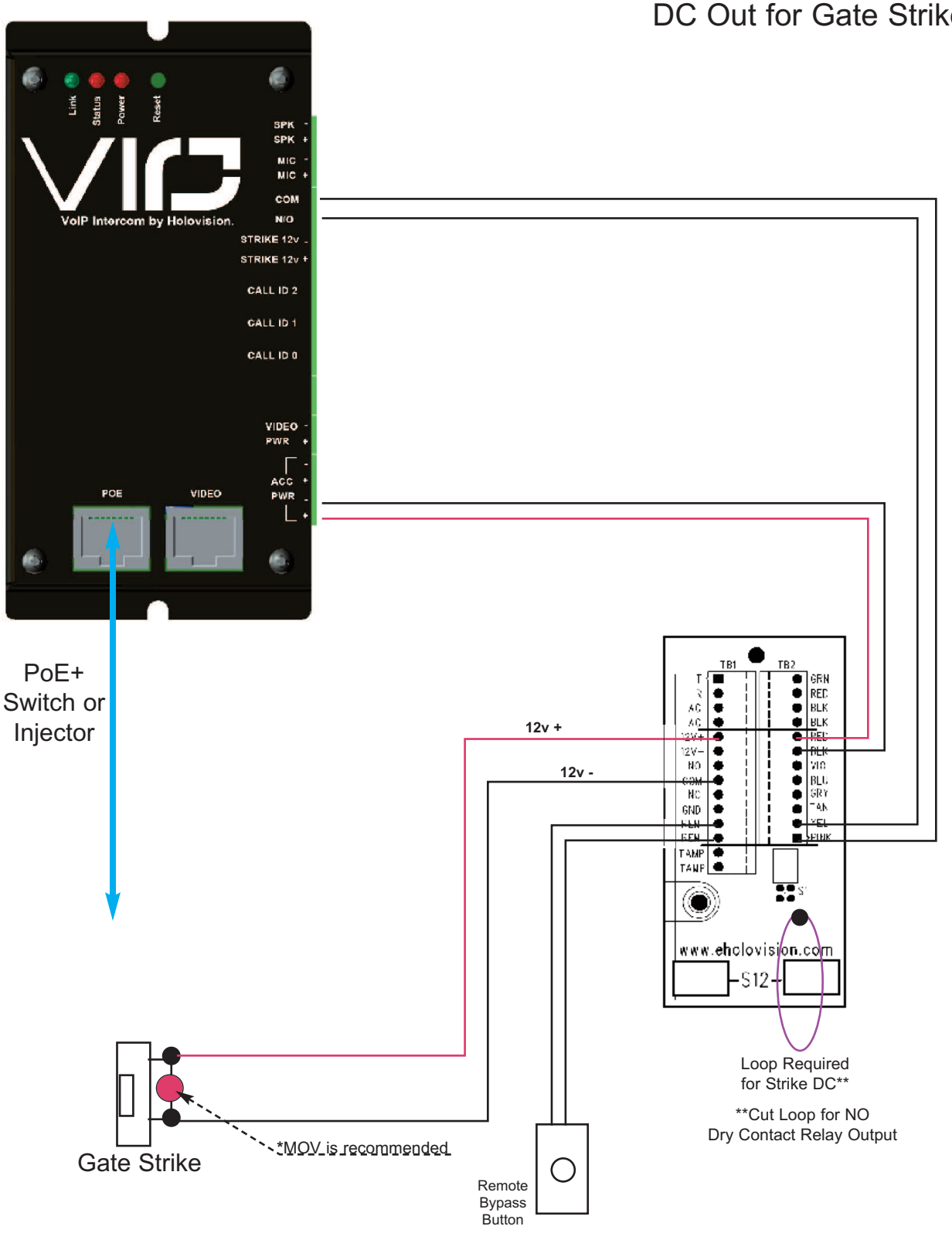
Ph. 714-434-6904
Fax 800-362-0002

HOLOVISION

Essex Keypad Wiring

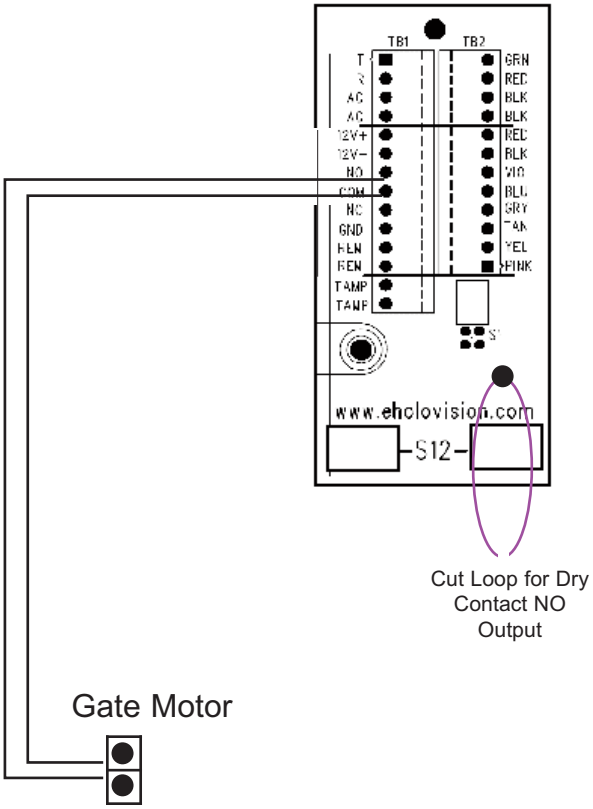
DC Out for Gate Strike



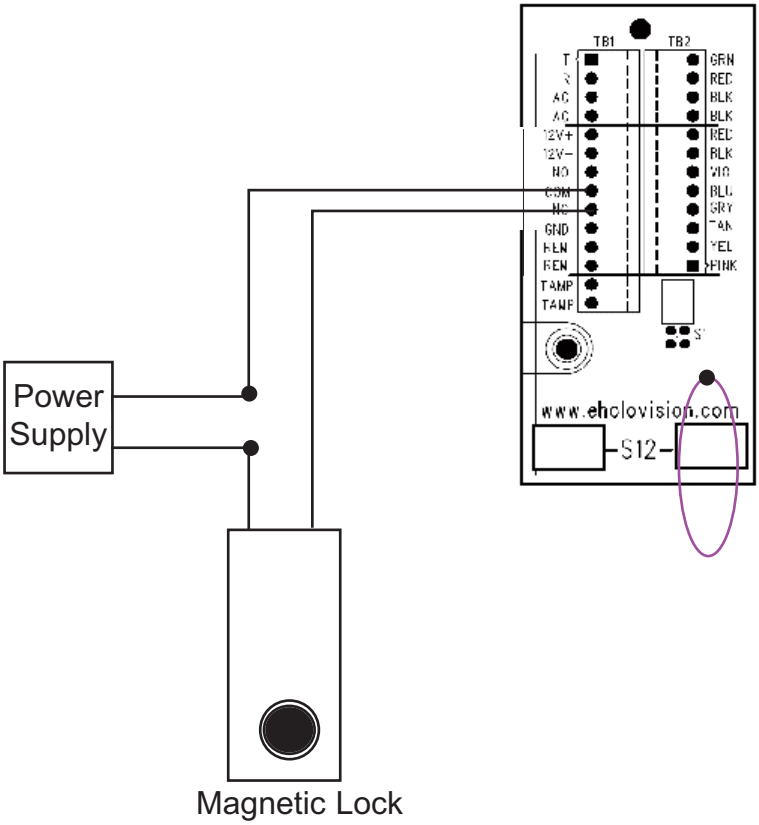
NOTE: MOV (metal oxide varistor) is the small red component which is included. Its purpose is to absorb “inductive kick back” which can be created when power is removed from the strike.
Loop is required from 12v positive to contact common for DC power to strike.

Essex Keypad Wiring

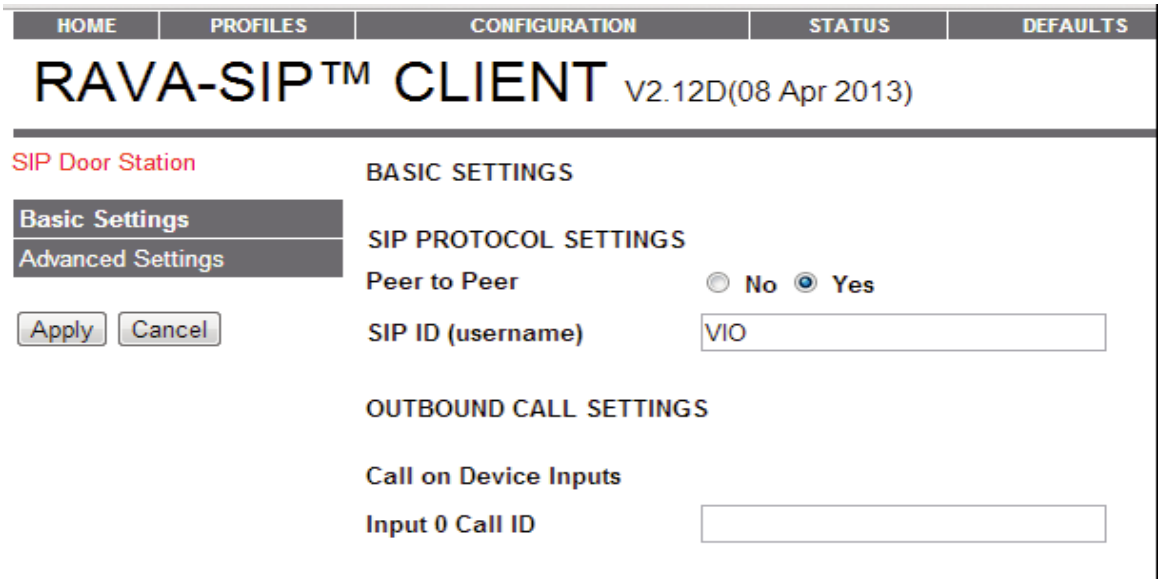
Relay Out for Gate Motor



NC Relay Out for Magnetic Lock

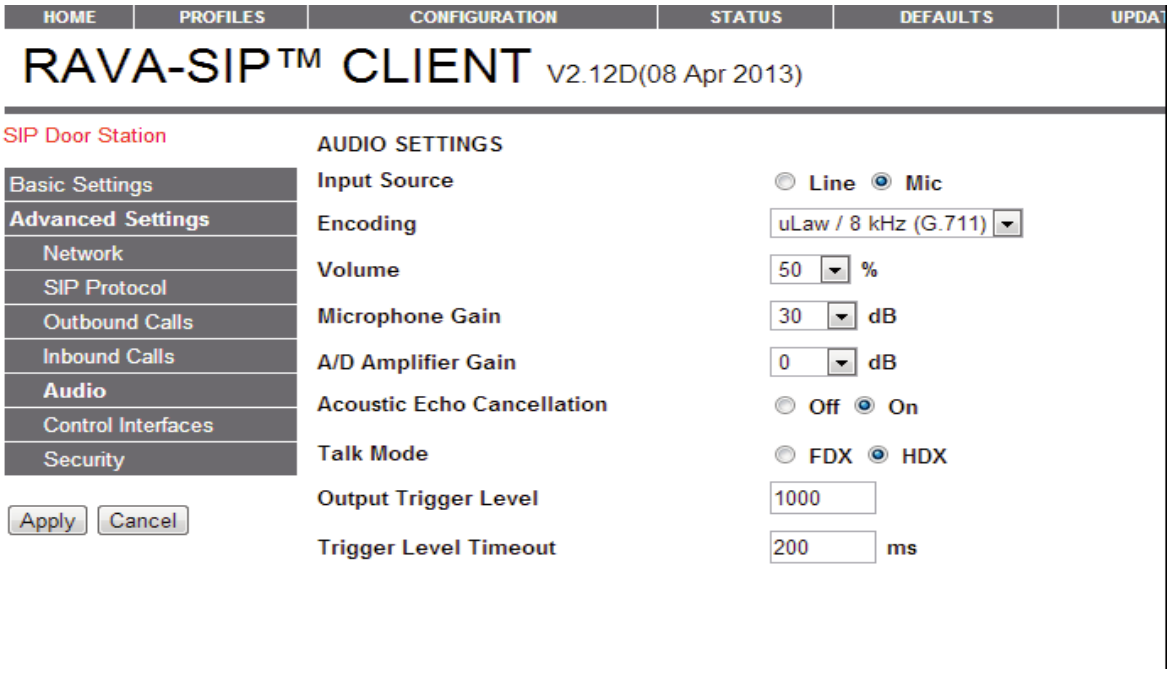


1. Plug the device into the network. Device will speak it's IP address.
2. Navigate to device IP on a web browser.
3. Under "Configuration" please enter SIP ID for the name to be displayed, and enter the extension of the Main RAVA Touchscreenunder "**Input Call ID 0 Default is CALL:CRESTRON"**



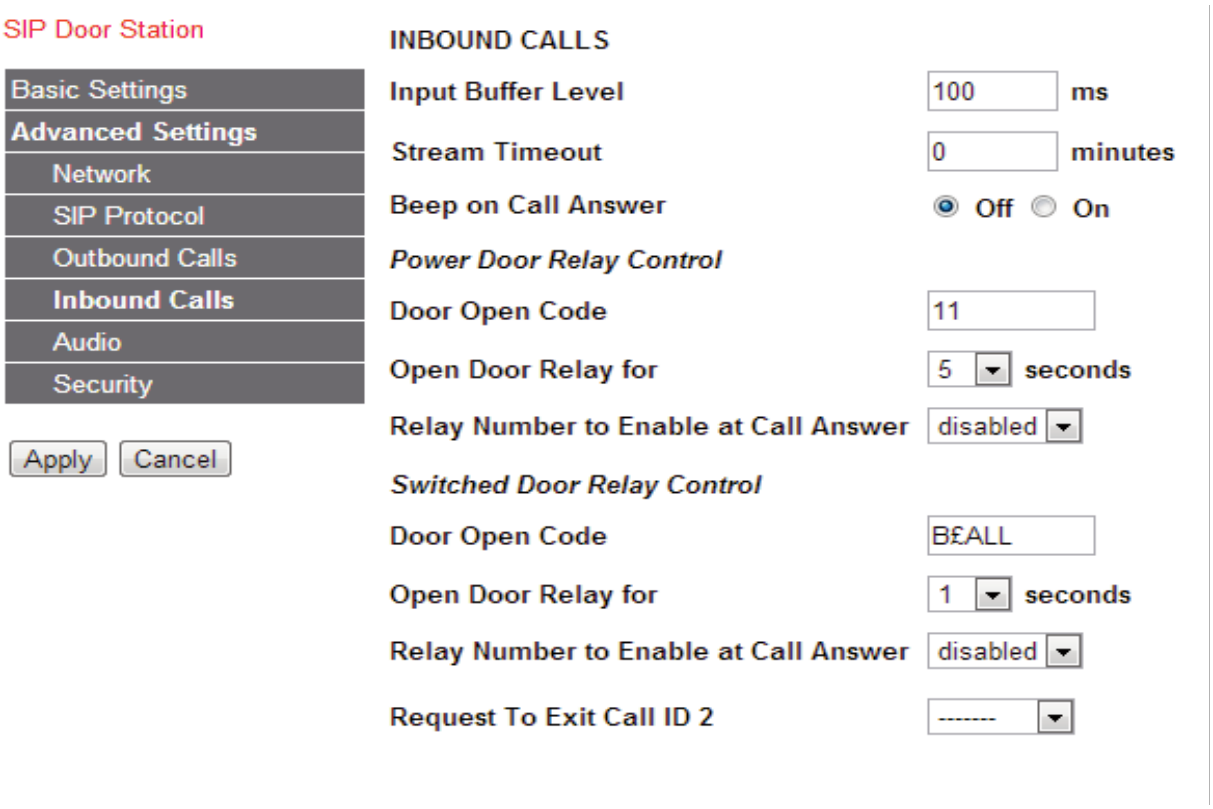
***Note out of the box the "CALL:CRESTRON" default will ring all touchpanels in the CRESTRON call group.**

4. Configure the Audio setiings. **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 settingdo not perform best in all senarios. As a recommendation you can experiment for the best audio settings.
   AUDIO SETTING BELOW ARE ONLY A RECOMMENDATION



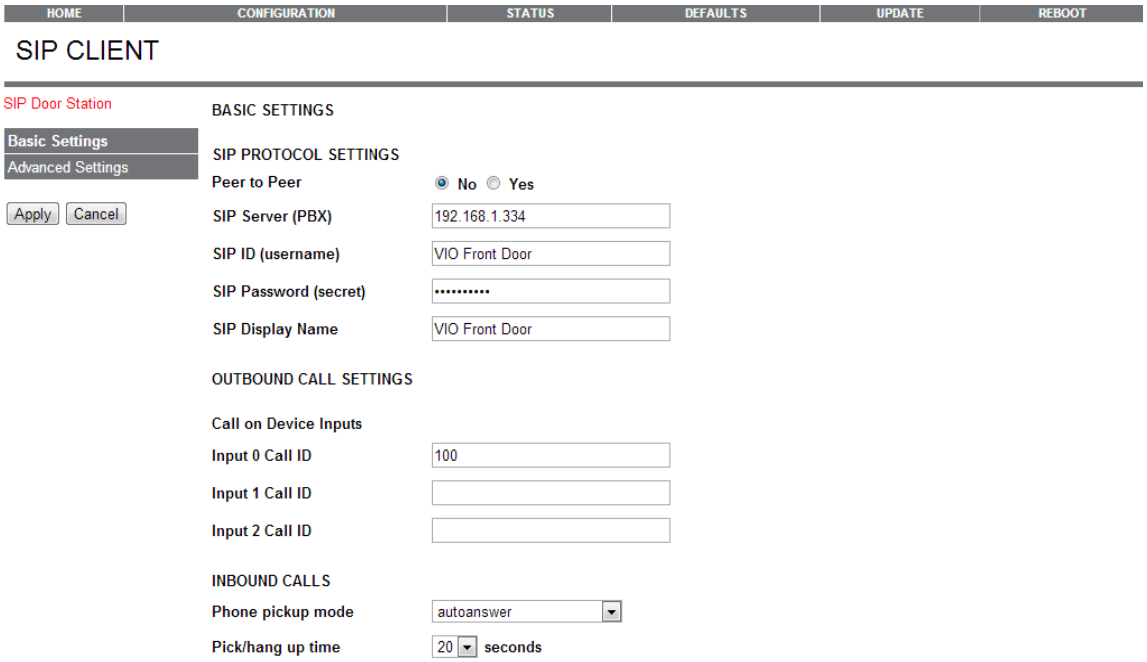
5. Configure the relay setting under “Inbound Calls”. Configure the powered relay and the dry contact closure. Choose any 2 to 4 digit combination
   Note; By configuring the request to exit feature you can configure for either relay.

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

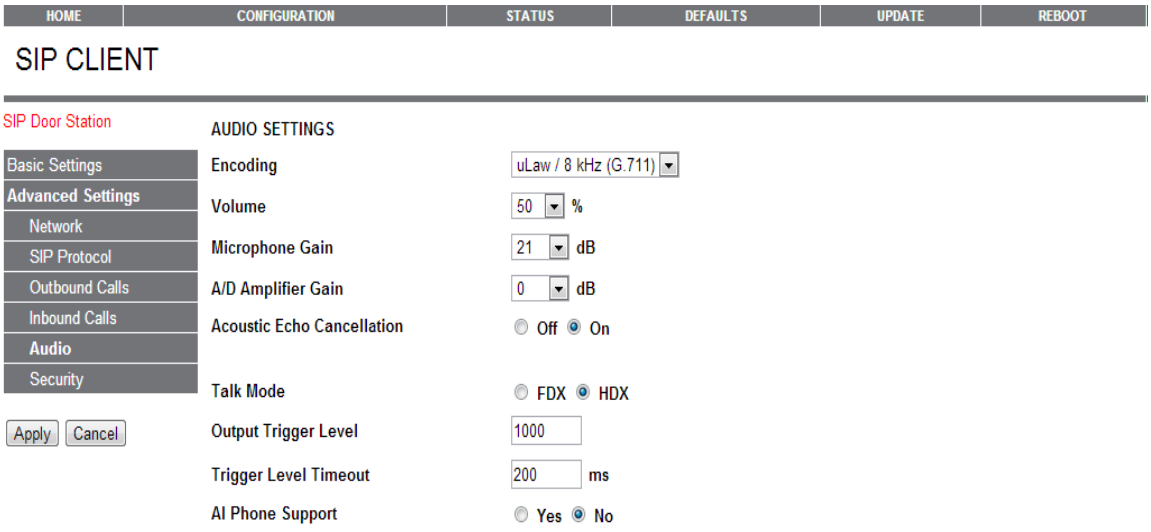


VIO SIP QUICK START:

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

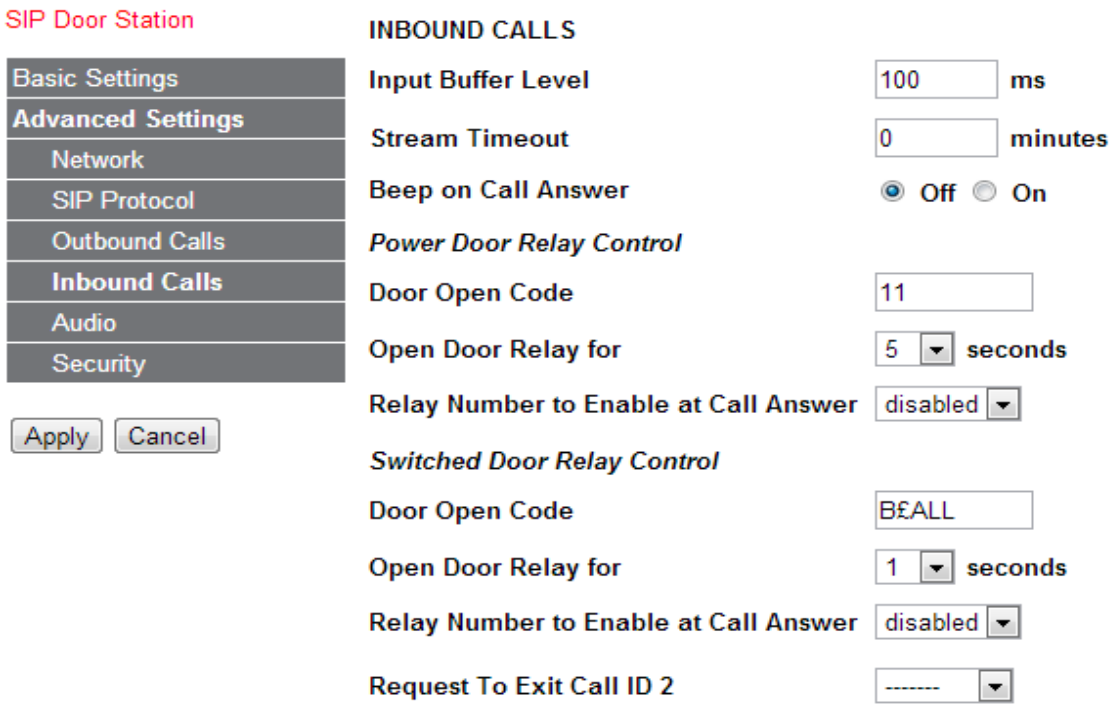


4. Configure the audio settings.. Although full duplex and half duplex are an option, these settings do not perform best in all scenarios. As a recommendation you can experiment for the best audio settings. **AUDIO SETTINGS BELOW ARE ONLY A RECOMENDATION**



5. 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.

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



Programming the Essex Keypad

Set Keypad Illumination to **ON ALL OF THE TIME**

STEP	ACTION	BEEP	Red LED	Green LED
1	Remove power			
2	Jumper the "CONFIG" pins on the rear of the keypad . V = 12			
3	Apply 12 VDC power to red and black wires	Quadruple Beep	Flash	Solid
4	Enter **9 9** followed by **#**	Double Beep	Flash	Solid
5	Enter **2 1 4** followed by **#**	Triple Beep	Flash	Solid
6	Remove power			
7	Remove "CONFIG" jumper			
8	Reapply power			

Set Master Code

STEP	ACTION	BEEP	Red LED	Green LED
1	**The default Master Code is "123".** This can be changed to a unique code 3 - 8 digits long			
2	Enter *** 3 1 2 3 #**	Double Beep	Fast Flash	Solid
3	Enter **1 #**	Double Beep	Fast Flash	Slow Flash
4	Enter new master code, followed by **#**	Triple Beep	Fast Flash	Solid
5	Enter *** ***	Double Beep		
6	EXAMPLE: old code is 123, new code is 456 *** 3 1 2 3 # 1 # 4 5 6 # * ***			

Note: If the User ID, or User Code/PIN has already been assigned, you will hear one long beep when # is entered. In this case, choose a different User ID / PIN, or see the instructions for changing or deleting codes.

DEFAULT USER CODE & MASTER CODE IS "123#"

Programming the Essex Keypad

Set User Codes

STEP	ACTION	BEEP	Red LED	Green LED
1	The Master Code is necessary to do this step. **Master Code "123" is used as an example.**			
2	Enter *** 1 1 2 3 #**	Double Beep	Slow Flash	Solid
3	Enter 1 **#** **N**	Double Beep	Slow Flash	Slow Flash
4	Enter 1st User ID (1-500), followed by **#** **N**	Double Beep	Slow Flash	Fast Flash
5	Enter 1st User Code/PIN, followed by **#** **N**	Double Beep	Slow Flash	Fast Flash
6	Enter **#** to complete User 1 programming **N**	Triple Beep	Slow Flash	Slow Flash
7	Enter 2nd User ID (1-500), followed by **#**	Double Beep	Slow Flash	Fast Flash
8	Enter 2nd User Code/PIN, followed by **#**	Double Beep	Slow Flash	Fast Flash
9	Enter **#** to complete User 2 programming	Triple Beep	Slow Flash	Slow Flash
10	Enter *** * * ***	Double Beep X 2		

Example for entering user code 1 and 2- *** 1 1 2 3 # 1 # 1# 4 5 6 # # 2 # 7 8 9 # # * * * ***

Changing User Codes - using User ID

STEP	ACTION	BEEP	Red LED	Green LED
1	The Master Code is necessary to do this step. **Master Code "123" is used as an example.**			
2	Enter *** 1 1 2 3 #**	Double Beep	Slow Flash	Solid
3	Enter **2 #**	Double Beep	Slow Flash	Slow Flash
4	Enter User ID to be changed (1-500), followed by **#**	Double Beep	Slow Flash	Fast Flash
5	Enter new User Code/PIN, followed by **#** **N**	Double Beep	Slow Flash	Fast Flash
6	Enter **#** to complete programming	Triple Beep	Slow Flash	Slow Flash
7	Enter *** * * ***	Double Beep X 2		

Example for changing user code 1- *** 1 1 2 3 # 2 # 1 # 7 8 9 # #** *** * * ***

N **Note**: If the User ID, or User Code/PIN has not been assigned, you will hear one long beep when # is entered.

Programming the Essex Keypad

Deleting User Codes - using User Code/PIN

STEP	ACTION	BEEP	Red LED	Green LED
1	**The Master Code is necessary to do this step.** In this example, the Master Code is 123			
2	Enter *** 1 1 2 3 #**	Double Beep	Slow Flash	Solid
3	Enter **5 #** **N**	Double Beep	Slow Flash	Slow Flash
4	Enter User Code/PIN to be changed, followed by **#**	Double Beep	Slow Flash	Fast Flash
5	Enter new User Code/PIN, followed by **#**	Double Beep	Slow Flash	Fast Flash
6	Enter **#** to complete programming	Triple Beep	Slow Flash	Slow Flash
7	Enter *** * * ***	Double Beep X 2		

Example for deleting user code # 456- *** 1 1 2 3 # 5 # 4 5 6 # 7 8 9 # # * * * ***

Deleting User Codes - using User ID

STEP	ACTION	BEEP	Red LED	Green LED
1	The Master Code is necessary to do this step. In this example, the Master Code is 123			
2	Enter *** 1 1 2 3 #**	Double Beep	Slow Flash	Solid
3	Enter **4 #**	Double Beep	Slow Flash	Slow Flash
4	Enter 1st User ID to be deleted (1-500), followed by **#** **N**	Triple Beep	Slow Flash	Fast Flash
5	Enter 2nd User ID to be deleted (1-500), followed by **#** **N**	Triple Beep	Slow Flash	Fast Flash
6	Enter *** * * ***	Double Beep X 2		

Example for deleting user ID 1 and 2- *** 1 1 2 3 # 4 #1 # 2 # * * * ***

N **Note**: If the User ID, or User Code/PIN has not been assigned, you will hear one long beep when # is entered.

Programming the Essex Keypad

Reset Keypad to Factory Defaults--- This is not normally necessary, but can be done as follows

STEP	ACTION	BEEP	Red LED	Green LED
1	Remove power			
2	Jumper the “CONFIG” pins on the rear of the keypad			
3	Apply 12 VDC power to red and black wires ONLY	Quadruple Beep	Flash	Solid
5	Enter **0 0 9 9 #**	Double Beep	Flash	3 Sec Flash
6	WAIT about 4 seconds	Quadruple Beep	Flash	Solid
7	Enter **9 9 #**	Triple Beep	Flash	Solid
8	Remove power			
9	Remove “CONFIG” jumper			
10	Reapply power			

Setting Main Relay Opening Time

STEP	ACTION	BEEP	Red LED	Green LED
1	**The default Master Code is “123”**. This can be changed to a unique code 3 - 8 digits long.			
2	Enter ***3 1 2 3 #**	Double Beep	Slow Flash	Solid
3	Enter **2 #**	Double Beep	Slow Flash	Slow Flash
4	Enter the desired activation time in **Seconds** followed by **#**	Triple Beep	Slow Flash	Solid
5	Enter ***** ***** to exit			
6	Example: **2 # 10 # * *** (10 second activation time)			

Note: If the User ID, or User Code/PIN has not been assigned, you will hear one long beep when # is entered.

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