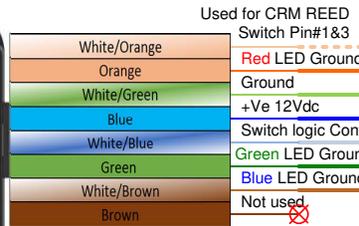
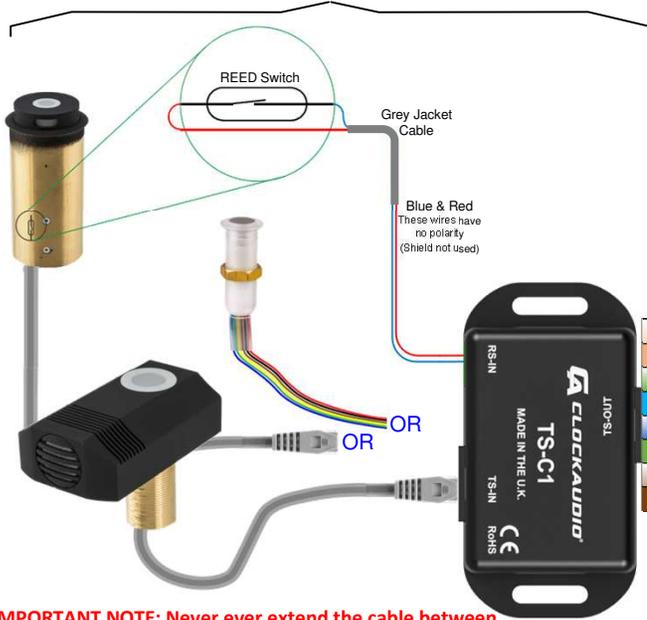


## Connected to Crestron PROCESSOR \*

(2-Series, 3-Series, DMPS, MPC, MPS, Adagio)  
(2 & 3-Series Control Cards)

### ClockAudio Devices

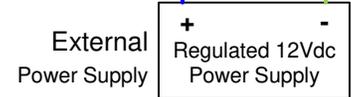
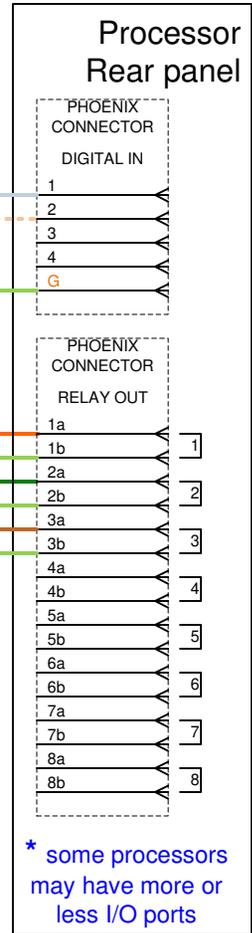


Used for CRM REED Switch Pin#1&3

- White/Orange Red LED Ground
- Orange Ground
- White/Green +Ve 12Vdc
- Blue Switch logic Control
- White/Blue Green LED Ground
- Green Blue LED Ground
- White/Brown Not used
- Brown Not used

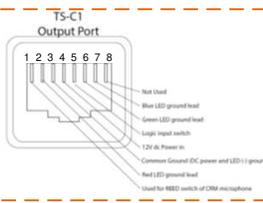
**IMPORTANT NOTE:** Never ever extend the cable between the TS-C1's 'TS-IN' port and the touchswitch, the TS-C1 is calibrated for the specific cable length of the capacitive switch. Extending it would render the switch inoperable.

- >TS003, TS004, TS005
- >CS Series with switch
- >CRM202/3S-RF



\* some processors may have more or less I/O ports

TS IN Port of TSC12	TS OUT port of TSC1	colors of network cable (code B)	RJ45
from Phoenix port on TSC1	Used for CRM REED Switch Pin#1&3	White/Orange	Pin # 1
Red	Red LED Ground	Orange	Pin # 2
Black	Ground	White/Green	Pin # 3
Brown	+12V	Blue	Pin # 4
Yellow	Switch logic +	White/Blue	Pin # 5
Green	Green LED Ground	Green	Pin # 6
Blue	Blue LED Ground	White/Brown	Pin # 7
Spare	Not used	Brown	Pin # 8



- To switch the halo light between red, green and blue, 3 different relays are required.
- Connecting the TS-C1 to a DSP or Control System with GPI/OS and/or Relays with a Cat5 cable T568 code B.
- This document assumes the reader has knowledge of Crestron programming.

**CLOCKAUDIO**  
Clockaudio North America Inc.  
2891, du Meunier  
Unit 103 Vaudreuil  
QC, Canada, J7V 8P2  
info@clockaudio.com / www.clockaudio.com

## NEW RGB devices - Connections to Crestron I/O devices

### Revision history:

- 1a) Initial release, Nov. 26, 2012
- 2a) Pinout change, Jul. 26, 2013
- 2b) Add new microphone, March 13, 2014
- 2c) Remove 24Vpsu option, April 16, 2015
- 2d) Versiport, Push-Pull Input Set, Jan 12, 2017
- 3a) RGB LED added, New button and TS-C1

### Drawing by:

Martin St-Jean for ClockAudio

### First drawing Date:

July, 26, 2012 / Update: February 2, 2019

### File:

ClockAudio- Crestron IO devices rev3b.vsd

### Ref:

**Processor I/O**

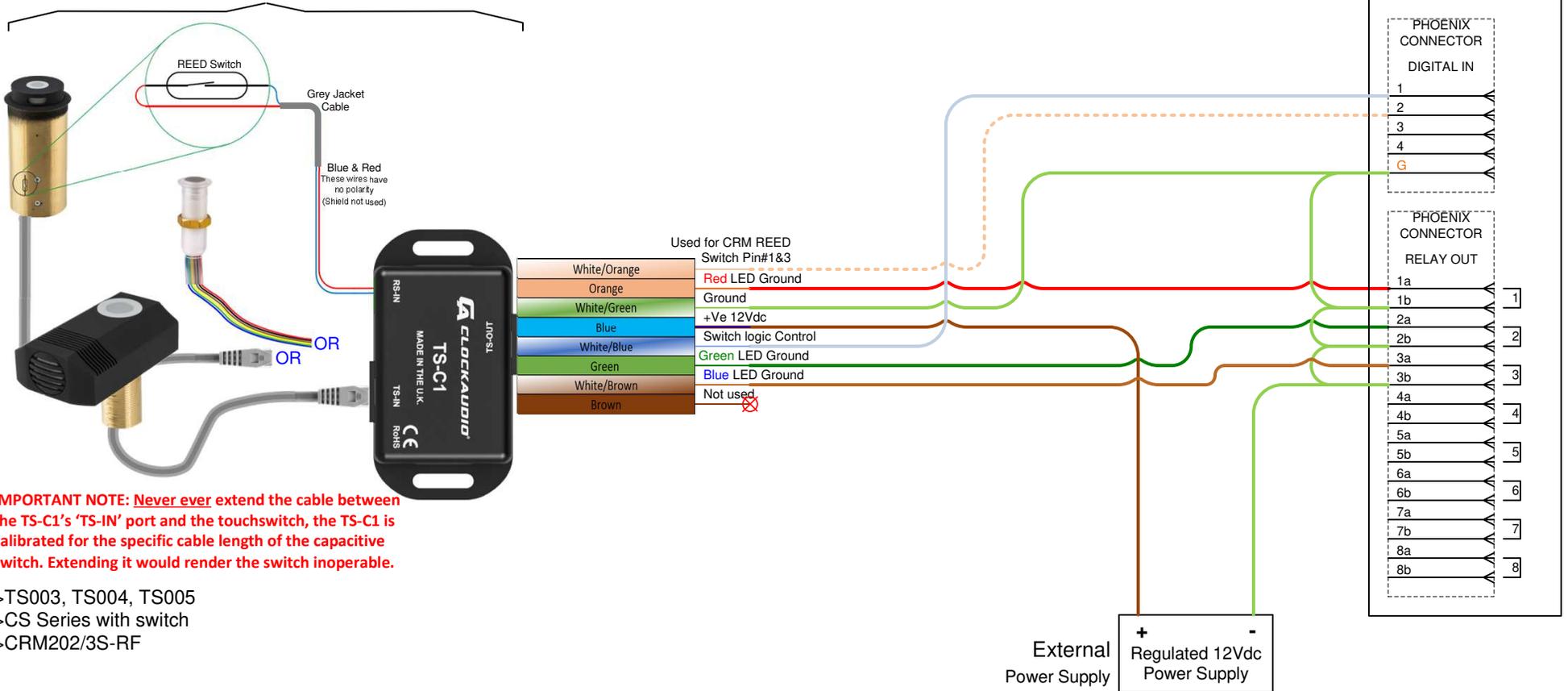
### Page:

1 of 5

# Connected to Crestron ST-IO



## ClockAudio Devices



**IMPORTANT NOTE:** Never ever extend the cable between the TS-C1's 'TS-IN' port and the touchswitch, the TS-C1 is calibrated for the specific cable length of the capacitive switch. Extending it would render the switch inoperable.

- >TS003, TS004, TS005
- >CS Series with switch
- >CRM202/3S-RF

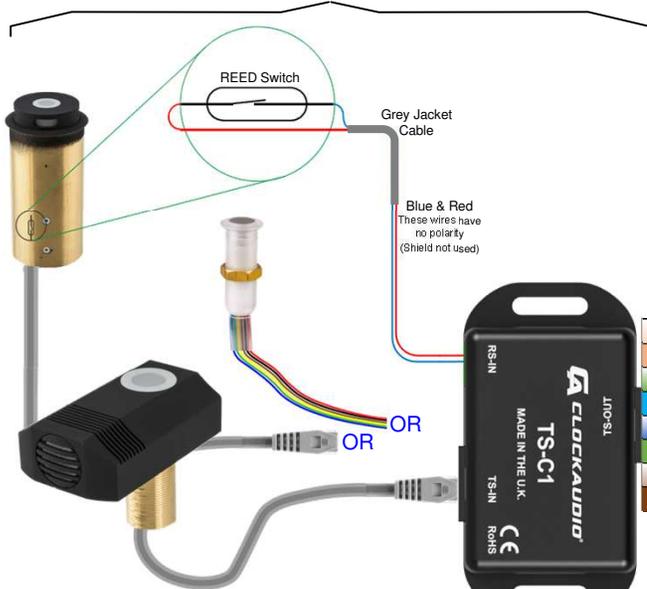
TS IN Port of TSC12	TS OUT port of TSC1	colors of network cable (code B)	RJ45
from Phoenix port on TSC1	Used for CRM REED Switch Pin#1&3	White/Orange	Pin # 1
Red	Red LED Ground	Orange	Pin # 2
Black	Ground	White/Green	Pin # 3
Brown	+12V	Blue	Pin # 4
Yellow	Switch logic +	White/Blue	Pin # 5
Green	Green LED Ground	Green	Pin # 6
Blue	Blue LED Ground	White/Brown	Pin # 7
Spare	Not used	Brown	Pin # 8

- To switch the halo light between red, green and blue, 3 different relays are required.
- Connecting the TS-C1 to a DSP or Control System with GPI/Os and/or Relays with a Cat5 cable T568 code B.
- This document assumes the reader has knowledge of Crestron programming.

# Connected to Crestron CNPI-48

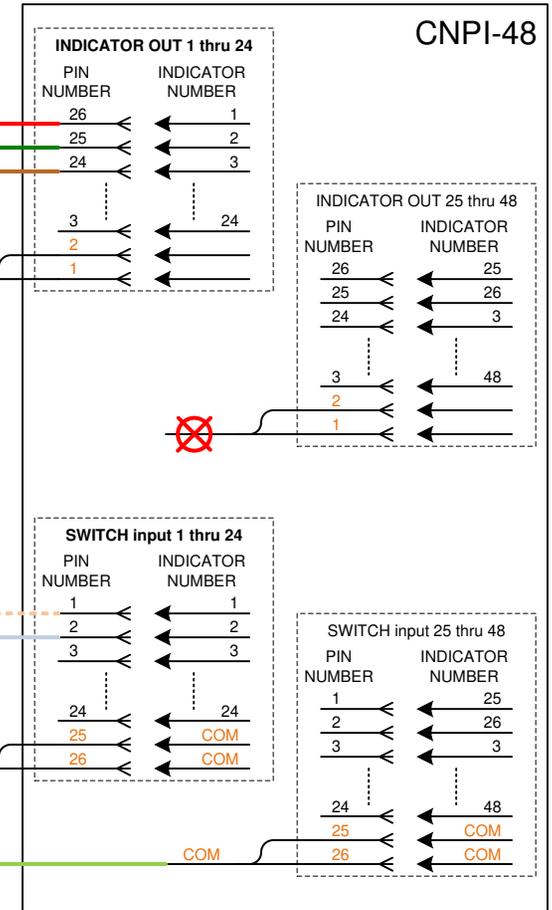
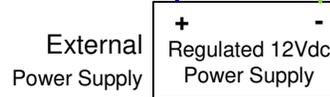
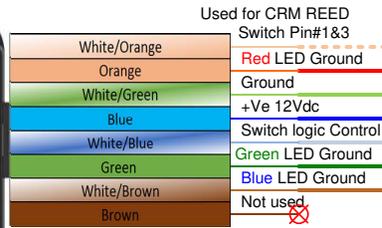


## ClockAudio Devices



**IMPORTANT NOTE:** Never ever extend the cable between the TS-C1's 'TS-IN' port and the touchswitch, the TS-C1 is calibrated for the specific cable length of the capacitive switch. Extending it would render the switch inoperable.

- >TS003, TS004, TS005
- >CS Series with switch
- >CRM202/3S-RF



TS IN Port of TSC12	TS OUT port of TSC1	colors of network cable (code B)	RJ45
from Phoenix port on TSC1	Used for CRM REED Switch Pin#1&3	White/Orange	Pin # 1
Red	Red LED Ground	Orange	Pin # 2
Black	Ground	White/Green	Pin # 3
Brown	+12V	Blue	Pin # 4
Yellow	Switch logic +	White/Blue	Pin # 5
Green	Green LED Ground	Green	Pin # 6
Blue	Blue LED Ground	White/Brown	Pin # 7
Spare	Not used	Brown	Pin # 8

- To switch the halo light between red, green and blue, 3 different relays are required.
- Connecting the TS-C1 to a DSP or Control System with GPI/Os and/or Relays with a Cat5 cable T568 code B.
- This document assumes the reader has knowledge of Crestron programming.

**CLOCKAUDIO**  
 Clockaudio North America Inc.  
 2891, du Meunier  
 Unit 103 Vaudreuil  
 QC, Canada, J7V 8P2  
 info@clockaudio.com / www.clockaudio.com

## NEW RGB devices - Connections to Crestron I/O devices

Revision history:  
 1a) Initial release, Nov. 26, 2012  
 2a) Pinout change, Jul. 26, 2013  
 2b) Add new microphone, March 13, 2014  
 2c) Remove 24Vpsu option, April 16, 2015  
 2d) Versiport, Push-Pull Input Set, Jan 12, 2017  
 3a) RGB LED added, New button and TS-C1

Drawing by:  
 Martin St-Jean for ClockAudio  
 First drawing Date:  
 July, 26, 2012 / Update: February 2, 2019  
 File:  
 ClockAudio- Crestron IO devices rev3b.vsd  
 Ref:  
 CNPI-48i Page: 3 of 5

# Connected to Crestron VersiPort

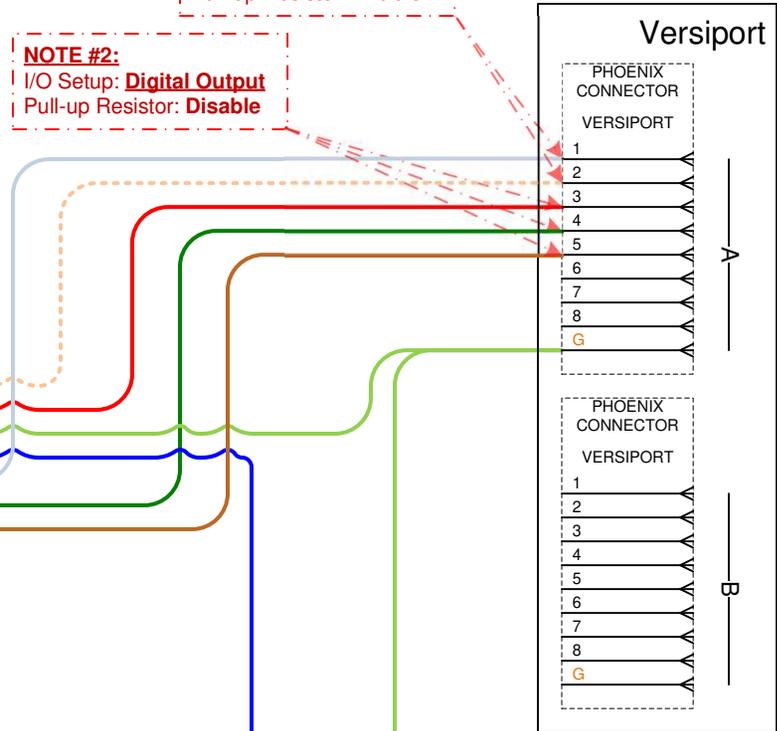
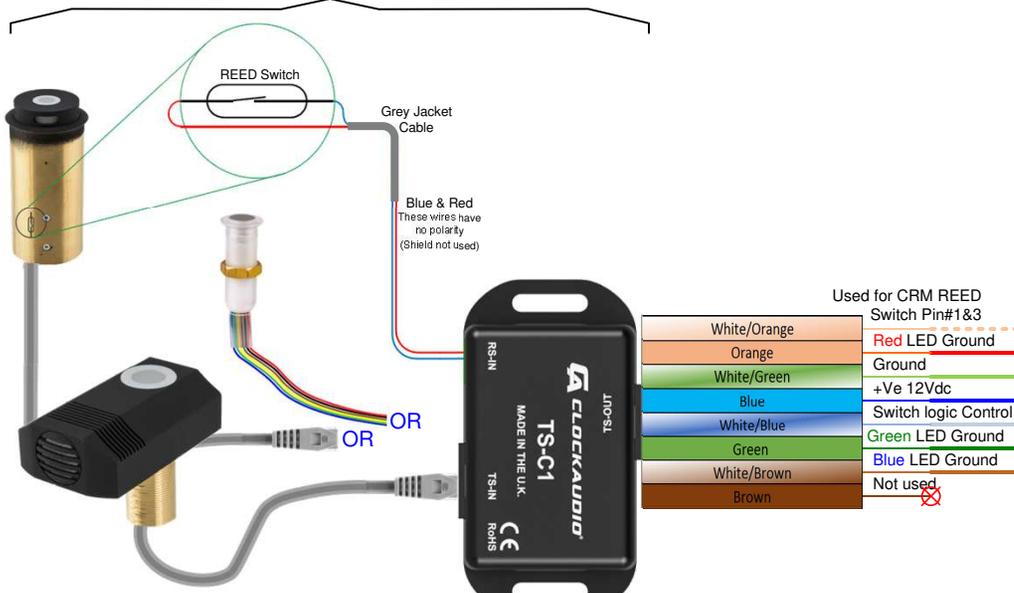
(CNXIO-16, C3IO-16 cards, Din-IO8)



**NOTE #1:**  
I/O Setup: **Digital Input**  
Pull-up Resistor: **Enable**

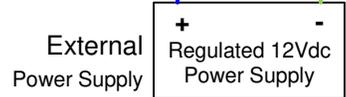
**NOTE #2:**  
I/O Setup: **Digital Output**  
Pull-up Resistor: **Disable**

## ClockAudio Devices

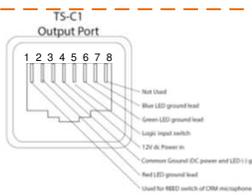


**IMPORTANT NOTE:** Never ever extend the cable between the TS-C1's 'TS-IN' port and the touchswitch, the TS-C1 is calibrated for the specific cable length of the capacitive switch. Extending it would render the switch inoperable.

- >TS003, TS004, TS005
- >CS Series with switch
- >CRM202/3S-RF



TS IN Port of TSC12	TS OUT port of TSC1	colors of network cable (code B)	RJ45
from Phoenix port on TSC1	Used for CRM REED Switch Pin#1&3	White/Orange	Pin # 1
Red	Red LED Ground	Orange	Pin # 2
Black	Ground	White/Green	Pin # 3
Brown	+12V	Blue	Pin # 4
Yellow	Switch logic +	White/Blue	Pin # 5
Green	Green LED Ground	Green	Pin # 6
Blue	Blue LED Ground	White/Brown	Pin # 7
Spare	Not used	Brown	Pin # 8



- To switch the halo light between red, green and blue, 3 different relays are required.
- Connecting the TS-C1 to a DSP or Control System with GPI/OS and/or Relays with a Cat5 cable T568 code B.
- This document assumes the reader has knowledge of Crestron programming.

**CLOCKAUDIO**  
Clockaudio North America Inc.  
2891, du Meunier  
Unit 103 Vaudreuil  
QC, Canada, J7V 8P2  
info@clockaudio.com / www.clockaudio.com

## NEW RGB devices - Connections to Crestron I/O devices

Revision history:  
1a) Initial release, Nov. 26, 2012  
2a) Pinout change, Jul. 26, 2013  
2b) Add new microphone, March 13, 2014  
2c) Remove 24Vpsu option, April 16, 2015  
2d) Versiport, Push-Pull Input Set, Jan 12, 2017  
3a) RGB LED added, New button and TS-C1

Drawing by:  
Martin St-Jean for ClockAudio  
First drawing Date:  
July, 26, 2012 / Update: February 2, 2019  
File:  
ClockAudio- Crestron IO devices rev3b.vsd  
Ref:  
Page:  
4 of 5



## Connected to Crestron I/O port

(Old ST-IO and CNPI-XX)

(CNXIO-16, C3IO-16 cards, Din-IO8)

(Versi Port, 2-Series, 3-Series, DMPS, MPC, MPS, Adagio)



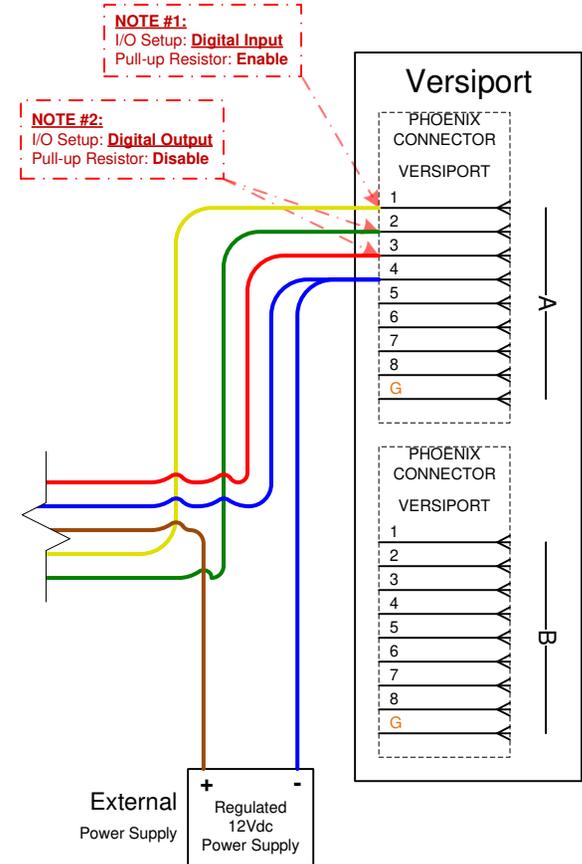
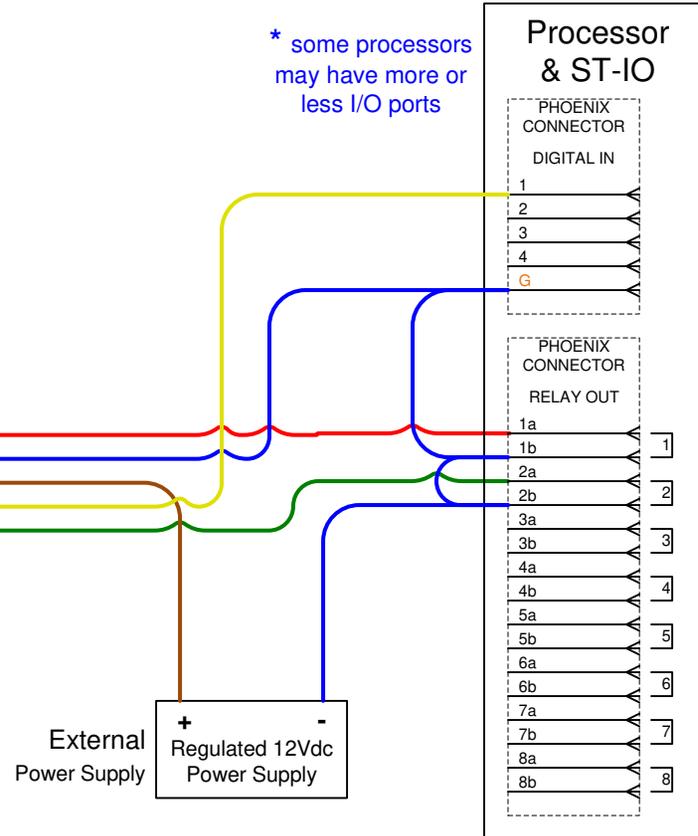
### ClockAudio Devices



>SM80s  
>S80S

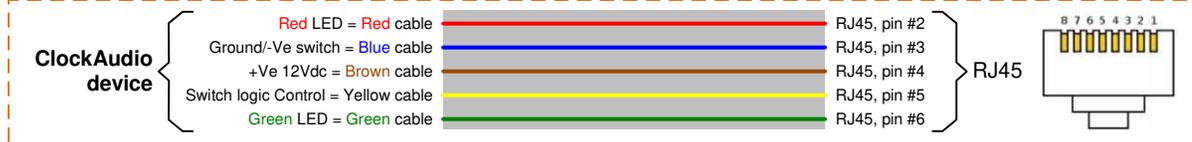
- Red cable = Red LED
- Blue cable = Ground/-Ve switch
- Brown cable = +Ve 12Vdc
- Yellow cable = Switch logic Control
- Green cable = Green LED

\* some processors may have more or less I/O ports



**NOTE #1:**  
I/O Setup: **Digital Input**  
Pull-up Resistor: **Enable**

**NOTE #2:**  
I/O Setup: **Digital Output**  
Pull-up Resistor: **Disable**



-To switch the halo light between red and green, 2 different relays are required.  
-This document assumes the reader has knowledge of Crestron programming.



**Clockaudio North America Inc.**  
2891, du Meunier  
Unit 103 Vaudreuil  
QC, Canada, J7V 8P2  
info@clockaudio.com / www.clockaudio.com

**None** RGB devices - Connections to Crestron I/O devices

#### Revision history:

- 1a) Initial release, Nov. 26, 2012
- 2a) Pinout change, Jul. 26, 2013
- 2b) Add new microphone, March 13, 2014
- 2c) Remove 24Vpsu option, April 16, 2015
- 2d) Versiport, Push-Pull Input Set, Jan 12, 2017
- 3a) RGB LED added, New button and TS-C1

#### Drawing by:

Martin St-Jean for ClockAudio

#### First drawing Date:

July, 26, 2012 / Update: February 2, 2019

#### File:

ClockAudio- Crestron IO devices rev3b.vsdX

#### Ref:

Crestron I/O

Page: 5 of 5