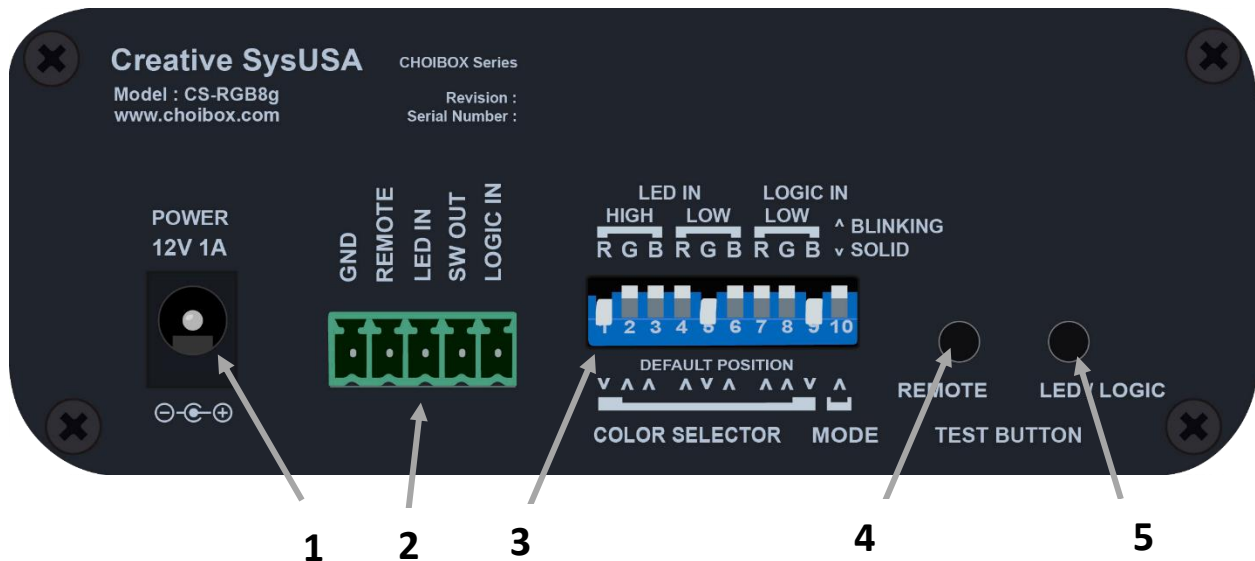


CS-RGB8g

Logic interface box for multicolor LED indicator with soft switch input

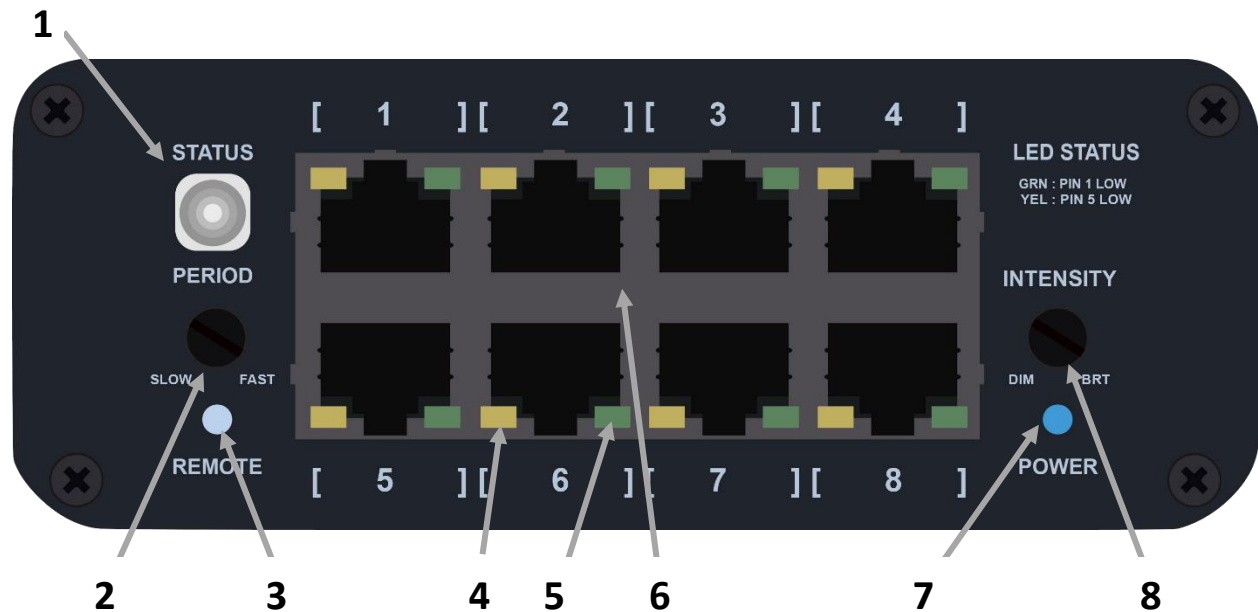


Rear Panel



- 1. Power Input**
External DC Power supply 12V 3A
- 2. I/O control port**
External control port inputs and output
- 3. LED Color select and Mode switch**
SW1,2,3 R,G,B Color select when LED input pin level High
SW4,5,6 R,G,B Color select when LED input pin level LOW
SW7,8,9 R,G,B Color select when Logic input pin level LOW
SW10 Mode SW Solid or Blinking LED with Logic Input pin level LOW
- 4. Remote Button**
Field test button (Same as when Remote pin input level is LOW)
- 5. LED/Logic Button**
Field test button (Same as when LED/Logic input level is LOW)

Front Panel



- 1. Indicator Color Status**
Seven different colors selectable with dip switch setting
- 2. Blinking Period Adjust Knob**
Adjustable LED Blinking speed with Dip SW10 UP position when Logic input pin level is LOW
- 3. Remote Indicator**
White LED indicates an active Remote input pin
- 4. Button Switch Action Indicator**
Yellow (or Green Left) LED indicates an active button port (RJ45 Pin 1 Low indicator)
- 5. Additional Switch Action Indicator**
Green (Right) LED indicates an active port feature switch ((RJ45 Pin 5 Low indicator)
- 6. 8 x RJ45 ports**
8 ports for 8 button control and LED indicator devices
- 7. Power Indicator**
Blue LED indicates a present 12V power supply
- 8. Intensity control**
LED Brightness control knob

OPERATING MANUAL

Introduction

Thank you for purchasing the CS-RGB8g ChoiBox.

CS-RGB8g is designed as a quick interface and is a simple field installation unit that can be used with the ClockAudio electronic captive touch switch series.

- Compatible with the ClockAudio TS001, TS003, TS005, and SWP2
- Supports the MRA HUSHBUTTON
- Can interface with the Shure microphones
- Two test buttons for easier field function tests without an external control frame
- Up to 8 LED switches can be connected to one CS-RGB8g
- Daisy chain multiple CS-RGB8g for a larger quantity of LED switches
- Can be interfaced with most control frames and DSPs (Crestron, AMX, Biamp, QSC, ClearOne, BBS, etc.)
- Connects with dry contact or logic level interface devices

The CS-RGB8g is a simple interface box for Microphone mute buttons and Multi color LED indicators

- Multi color LED support. (7 different color indication)
- Phone incoming call indication (Slow blinking with selected color)
- Fire alarm indication (Fast blinking with selected color)
- Adjustable blinking speed
- Adjustable LED brightness

The CS-RGB8g is fully compatible with all previous models:

- CSB8g
- CSB8gex

The CS-RGB8g is compatible with the following manufacture models:

- ClockAudio 1st and 2nd generation Dual or Multi color
- Shure MX series
- FSR T3 series
- MRA HUSH BUTTON (require pin change)

Application Note:

Specification.

Dimensions

- 4.75" W x 3.33" L x 1.8" H

Weight

- 0.3lbs.

Connectors

- 8x RJ45
- 2.1mm power plug
- 5pin phoenix connector

Power

- 12V 3A wall plug switching power supply

Thermal

- Operating temperature 0 ~ 40 'C

Input logic

- TTL Logic Level, H→ Open, L→ GND.

Output Logic

- Open collector. Sink 200mA max.

Technical support.

Please contact : support@choibox.com

www.choibox.com

Rev 3.0

PIN OUT Information

RJ45

PIN 1 – Additional Switch Input (future)

PIN 2 – RED LED

PIN 3 - GND

PIN 4 - +12V

PIN 5 – Switch Logic Control

PIN 6 – Green LED

PIN 7 – Blue LED

PIN 8 – TTL Logic output

5pin Phonix connector I/O control port

Pin1 : Input GND (System Ground)

Pin2 : Input Remote (Open/High = Inactive; Low = Active)

Pin3 : Input LED Input (Default colors: Open/High = Red LED; GND/Low = Green LED)

Pin4 : Switch Out Open collector (Pin4 Logic level changes to LOW when any button is pressed)

Pin5 : Logic Input (Default color: GND/Low = Blue LED, solid or blinking based on Dip SW10)

Note: Input Voltage 0V ~ 2V is considered LOW, 2.1V ~ 12V or open is considered High

TEST Button

Test1: Press "REMOTE" → Same as when I/O Pin2 is LOW. RED LED will light up.

DIP SW 1,2,3 combination can change the LED color. RED is the default set.

Test2: Press "REMOTE" and "LED/LOGIC" → Same as when I/O Pin2,3 is LOW.

GREEN LED will light up.

DIP SW 4,5,6 combination can change LED color. GREEN is the default set.

Test3: Press "LED/LOGIC" → Same as when I/O Pin5 is LOW. BLUE LED will blink.

DIP SW 7,8,9 combination can change LED color. Blue is the default set.

Period knob can change blinking speed.

DIP SW 10 mode switch position: UP = blinking; DOWN = solid