



WALL8

8 button DMX Controller

Instructions and wiring guide



Wiring Guide

DC Power Input

The controller is designed to be powered from a DC power supply of between 9 and 28v. If the Power LED on the rear of the unit does not come on when power is turned on you should immediately turn the power OFF and check wiring polarity. Reverse polarity will not damage the unit.

DMX Output Connection

The 3 pin pluggable terminal connection for DMX output is wired as follows :

- 1 Data Gnd
- 2 Data -
- 3 Data +

The DMX output generates a 512 channel DMX-512A DMX signal, although only the first 6 channels are actively used depending on the chosen fixture profile selected.

Powering up the unit

When the unit is first powered up it will flash the mimic LED Blue followed by a flash of a single colour. This colour shows the software version. Current units will flash RED.

The front panel status leds will chase in a rapid fashion while the starting mode and current colour presets are recalled to active memory. This can also be used as a diagnostic tool if any of the leds fail to light during normal operation.

Once the start up chase has finished the unit is ready to operate. By default the OFF button will be illuminated and the D<X output will be 0 on all channels.

Wall Plate Operation

At all times the mimic led at the top of the panel will show the RGB levels going to the DMX fixtures and give an approximation of the colour mix—some fixtures use differing led technology so there may be some colour difference.

RED— sets Red channel level

each press will increment the level by 25% then wrap back around to 0% —25%, 50%, 75%, 100%, 0%, 25% etc.

Holding this button for 3 seconds will fade Red channel off.

GREEN—sets Green channel level

each press will increment the level by 25% then wrap back around to 0% —25%, 50%, 75%, 100%, 0%, 25% etc.

Holding this button for 3 seconds will fade Green channel off.

BLUE—sets Blue channel level

each press will increment the level by 25% then wrap back around to 0% —25%, 50%, 75%, 100%, 0%, 25% etc.

Holding this button for 3 seconds will fade Blue channel off.

OFF—Fades output smoothly to off over 3 seconds, and deselects any active presets or RGB button combinations.

CHASE/PRESET 1—

Chase mode has a fading RGB colour roll with 4 selectable speeds. VSlow—Slow—Med—Fast. The button LED will blink to show the speed of the chase. In very slow mode there maybe upto 30 seconds between blinks.

PRESET2 / PRESET3 / PRESET4 —

These buttons allows a custom colour preset to be recalled or stored.

To Recall a preset press the button briefly. The Button LED will light to show preset has been recalled and the mimic LED will fade to the stored level.

To edit or store a colour preset simply set the chosen RGB values using the Red, Green and Blue buttons to get the desired colour. Press and Hold the Preset button for 5 seconds until the button LED blinks. The preset is now stored to that button.

The presets are stored in EEPROM so they will survive a power loss.

PRESET4 is also marked as AUDIO, but this Audio mode is not currently supported, as it requires lighting fixtures with built in sound to light modes that can be triggered over DMX.



Notes:

All specifications subject to change.

Correct as of Firmware MS_91c—Feb 2011