

OPERATIONS

SETTING DMX ADDRESS

Each DMX decoder or DMX luminaire must be addressed correctly so the controller can distinguish between decoders. To pair a DMX decoder or luminaire to a specific controller zone (1-3), set each decoder/luminaire to one of the following addresses:

- Zone 1: Set to address '001' (correlates to address 001 – 004)
- Zone 2: Set to address '005' (correlates to address 005 – 008)
- Zone 3: Set to address '009' (correlates to address 009 – 012)

Each zone of the controller is fixed with 4 DMX addresses to control up to 4 channels:

CH1 – Red, CH2 – Green, CH3 – Blue, CH4 – White or X.

Example of DMX Addressing Display

Digital Display

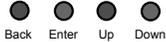


Once DMX address is set on luminaire or DMX decoder, ensure to Press Zone 1, 2, or 3 on the controller to control desired zone.

OPERATIONS (CONT.)

Detailed descriptions of each menu are listed below. To cycle through each menu, press the Up and Down buttons below screen.

MENU 1: DMX ADDRESS MENU



(Default is "A001")

Menu 1: DMX Address Setting: Press Enter button, then use Up and Down buttons to select address. Press back button to set address.

MENU 2: CHANNEL QUANTITY MENU



(Default is "Ch04")

Menu 2: Channel quantity setting: You may set number of channels required by type of LED's used. Use Up and Down buttons to set channel quantities. Press back button to set channel quantity.

- 01 Channel: Single Color LED Light
- 02 Channel: Tunable LED Light
- 03 Channel: RGB LED Light
- 04 Channel: RGBW LED Light

RESTORE TO FACTORY DEFAULT

Press and hold down both the "Back" and "Enter" buttons until the digital display turns off, then release the button.

The system will reset and the digital display will turn on again.

All settings will be restored to factory default.

FACTORY DEFAULTS

DMX Address Code: A001
DMX Address Quantity: SW1=0: CH05, SW=1: CH04
PWM Resolution Mode: bt16
PWM Frequency: PF01
Gamma: 9A1.5
Decoding Mode: DP1.1

OPERATIONS (CONT.)

ADVANCED MENUS

Menus 3-6 are for *ADVANCED PROGRAMMING ONLY*.

These menus should be left in their default state unless DMX system specifically requires these settings to be adjusted.

Adjusting these settings may result in altered dimming performance.

MENU 3: PWM OUTPUT RESOLUTION MENU



(Default is "bt16")

Menu 3: PWM output resolution Bit setting: Press Enter button, then use Up and Down buttons to select 08 or 16 bit. Press back button to set output resolution.

(This menu adjusts the evenness with which the duty cycle modulates within one PWM period)

MENU 4: OUTPUT PWM FREQUENCY MENU

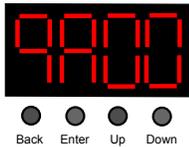


(Default is "PF01")

Menu 4: Output PWM Frequency setting: Press Enter button, then use Up and Down buttons to select 00 - 30. 00=500HZ, 01=1kHz, 02=2kHz ... 30=30kHz. Press back button to set output PWM frequency.

(This menu adjusts the speed in which each period occur)

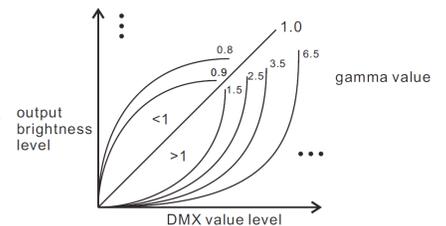
MENU 5: OUTPUT DIMMING CURVE GAMMA VALUE MENU



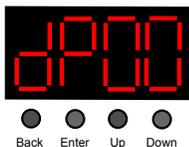
(Default is "9A1.5")

Menu 5: Output Dimming Curve Gamma Value setting: Press Enter button, then use Up and Down buttons to select 0.1 - 9.9. Press back button to set output dimming curve gamma value.

(This menu adjusts the light output curve within the full dimming cycle)



MENU 6: DMX DECODING MODE MENU



(Default is "dP1.1")

Menu 6: DMX decoding mode setting: Press Enter button, then use Up and Down buttons to select. The first digit selects the DMX address quantity, the second digit selects the PWM channel quantity. Press back button to set DMX decoding value.