

# 420BI Manual

01/01/2010

CH 1 control with dim settings 1-4%

CH 2 Fixture Dimmer (acts like a master dimmer that dims all colors regardless of their channel setting)

CH 3 red

CH 4 green

CH 5 blue

CH 6 amber

CH 7 white

CH 8 Cell 1 red

CH 9 Pixel 1 green

CH 10 Pixel 1 blue

CH 11 Pixel 1 amber

CH 12 Pixel 1 white

CH 13 Pixel 2 red

CH 14 Pixel 2 green

CH 15 Pixel 2 blue

CH 16 Pixel 2 amber

CH 17 Pixel 2 white

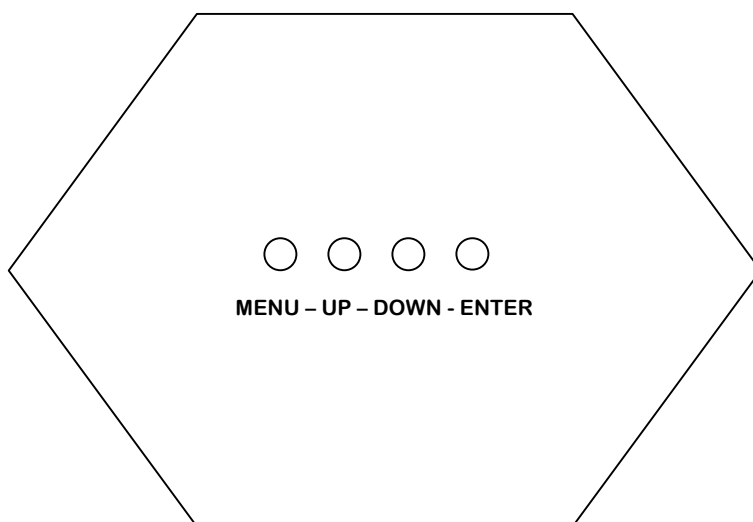
CH 18 Pixel 3 red

CH 19 Pixel 3 green

CH 20 Pixel 3 blue

CH 21 Pixel 3 amber

CH 22 Pixel 3 white



Please read this manual before operating the light

Control buttons:

Menu - UP - DOWN - ENTER

1. Menu button :Press the menu button, you will enter the first level menu. Press the up/down button to make the choice on the menu. Specific menu items as follows:

“Addr” DMX mode (A001-A512)

“SouF” Sound Activated and strobe mode.

“SouA” Sound Activated but no strobe mode.

“SP -“ Adjust speed of built-in programs (SP00-SP15,SP00 is the fastest)

“Pr- “ Select built-in program (Pr00-Pr15, 16 programs available.

“ASC-“ Color chase (AS00-AS15 adjusts the speed)

“FadE” Color fade (FA00-FA15 adjusts the speed)

“FLAS” Strobe mode. (FL00-FL15 adjusts the speed)

“bL- “ Blue dimmer (bL00-bL15, bL15 is the brightest.)

"gL- " Green dimmer (gL00-gL15, gL15 is the brightest.)

“rL- “ Red dimmer (rL00-rL15, rL15 is the brightest)

"AL- “ Amber dimmer (AL00- gL15, AL15 is the brightest).

“WL- “ White dimmer (WL00- rL15, WL15 is the brightest)

2. The Enter button is used to access the second level menu and and save the settings. Forexample, setting the DMX mode address A001.

First, press the menu button to enter the first level menu.

Press up/down button until the word “Addr” appears.

Press Enter button to adjust the DMX address.

Press up/down button to select the starting DMX address for this fixture (A001 for this example)

To save this DMX address press the Enter button. DMX mode will be saved.

### 3. Master and slave setting.

Using DMX address A001 in this example set the remaining fixtures to DMX address A001.

### 4. Built-in programs (Pr- -)

Pr00: red

Pr01: green

Pr02: blue

Pr03: Amber

Pr04: white

Pr05: red+ green+blue

Pr06: white+ Amber

Pr07: mode1

Pr08: mode 2

Pr09: mode 3

Pr10: mode 4

Pr11: mode 5

Pr12: mode 6

Pr13: mode 7

Pr14: mode 8

Pr15: integration mode 1-8

Note: The rate of change can be adjusted for programs Pr07 through Pr15 by entering the second level menu, selecting SP-- and using the up/down buttons to select the rate of change.

SP00

is the fastest and the SP15 is the slowest.

### 5. DMX channels

DMX Value - Control function

#### Channel 1

0—10 Dim mode

11—51 Dim+ strobe mode

52—91 gradual change mode

92—131 Mode 1

132—150 Mode 2

151—169 Mode 3

170—189 Mode 4

190—209 Mode 5

210—229 Mode 6

230—249 Mode 7

250—255 integration mode 1-7

#### Channel 2

0-9 red pixel dim

10-255 Red (Pixel invalid)0-100%

0-9 Green pixel dim

#### Channel 3

10-255 Green (pixel invalid) 0-100%

0-9 Blue pixel dim

Channel 4  
10-255 Blue (pixel invalid) 0-100%  
0-9 Amber pixel dim

Channel 5  
10-255 Amber ( pixel invalid )0-100%  
0-9 White pixel dim

Channel 6  
10-255 White (pixel invalid )0-100%

Channel 7  
0-255 Pixel 1 Red Dim 0-100%

Channel 8  
0-255 Pixel 1 green Dim 0-100%

Channel 9  
0-255 Pixel 1 blue Dim 0-100%

Channel 10  
0-255 Pixel 1 Amber Dim 0-100%

Channel 11  
0-255 Pixel 1 white Dim 0-100%

Channel 12  
0-255 Pixel 2 red dim 0-100%

Channel 13  
0-255 Pixel 2 green Dim 0-100%

Channel 14  
0-255 Pixel 2 blue Dim 0-100%

Channel 15  
0-255 Pixel 2 Amber Dim 0-100%

Channel 16  
0-255 Pixel 2 white Dim 0-100%

Channel 17  
0-255 Pixel 3 red dim 0-100%

Channel 18  
0-255 Pixel 3 green Dim 0-100%

Channel 19  
0-255 Pixel 3 green Dim 0-100%

Channel 20  
0-255 Pixel 3 blue Dim 0-100%

Channel 21  
0-255 Pixel 3 Amber Dim 0-100%

Channel 22  
0-255 Pixel 3 white Dim 0-100%

Note: the Channel 1 should be between 0-51 value, when using the CH2-CH22.