



# LED Pixel Track Pro v3

ORDERCODE 42205



**SHOWELECTRONICS FOR PROFESSIONALS**

## Description of the device

### Features

The LED Pixel Track Pro is a LED system from Showtec.

- 840 LEDs (280 Red, 280 Green, 280 Blue)
- 15° beam angle
- Digital display
- 3 and 5 PIN DMX input + output connector
- Neutrik input and output power connector
- Power consumption: 120W (full output)
- Flash rate: 20HZ
- Manual color adjustment
- Master/Slave mode
- Sound active mode
- 16 preprogrammed chase
- DMX controlled
- Selectable 4, 7, 8, 20, 40 and 160 DMX channel operation

NOTE: Knowledge of DMX is required to fully utilize this unit.

### Overview

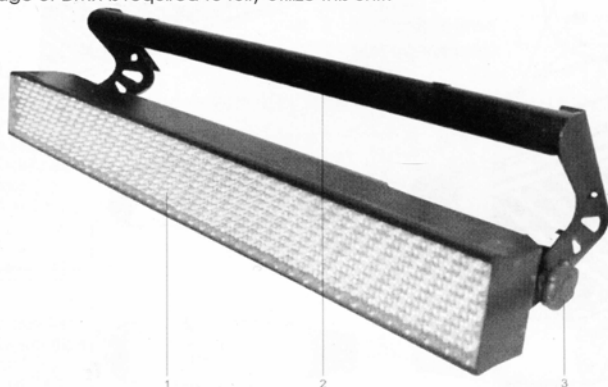


Fig. 1

- 1) Total LED Pixel Track Pro 840 LEDs  
2) Mounting bracket for Truss mounting

- 3) Adjustment Screw

### Backside



Fig. 2

- 4) Fan  
5) Power ON/OFF  
6) Mode Button  
7) Select Button  
8) Up Button  
9) Down Button  
10) Fuse T2A  
11) Safety Eye for Truss mounting

- 12) Power IN  
13) DMX signal connector (IN) 3-pin  
14) DMX signal connector (IN) 5-pin  
15) Microphone  
16) Audio Level (sensitivity)  
17) DMX signal connector (OUT) 5-pin  
18) DMX signal connector (OUT) 3-pin  
19) Power OUT

Panel Functions

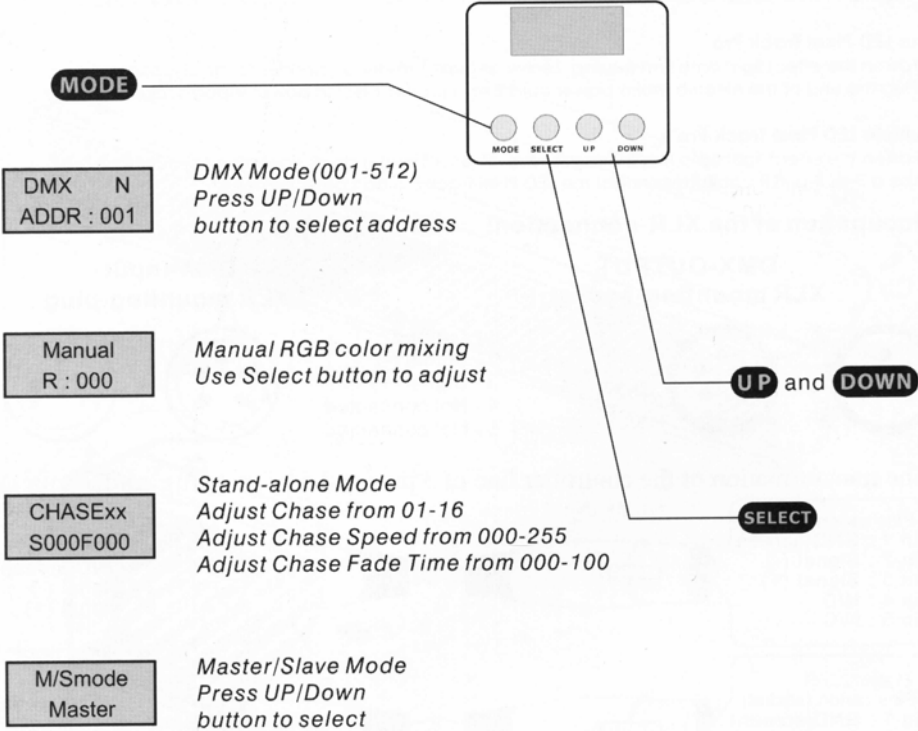


Fig. 5

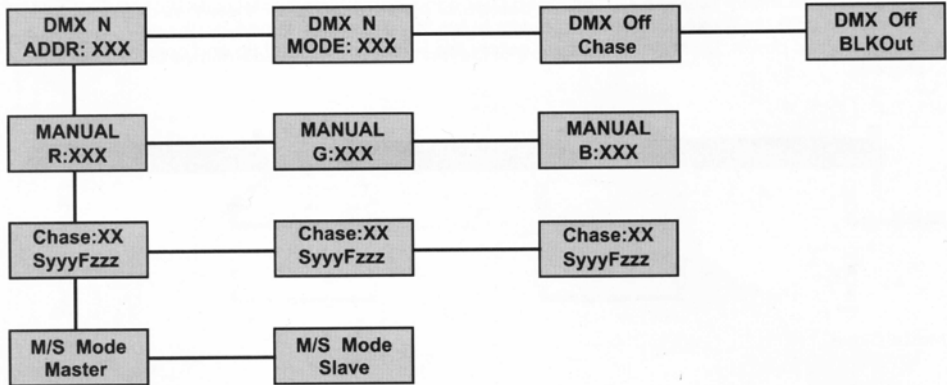


Fig. 6

Manual Operation

Press the Select button to change between Red, Green or Blue.

Manual  
R : 000

Red  
(000-255)

Manual  
G : 000

Green  
(000-255)

Manual  
B : 000

Blue  
(000-255)

Use the UP/DOWN buttons to change the Color intensity from 0-255.  
You can combine all 3 colors to mix your own desired color.

Stand-alone Operation

Press the Select button to change Fade, Chase or Speed.  
The underline in the display, shows which setting you can change.

CHASE01  
S000F000

Fade  
(000-100)

CHASE01  
S000F000

Chase  
(0-16)

CHASE01  
S000F000

Speed  
(000-255)

In Chase Mode you can choose: Chase 1-15  
Chase 16 (sound-controlled)

Chase 16 is the Sound-controlled mode, you can use the Audio sensitivity control on the back to adjust the audio input level. The display shows.

CHASE16  
Sound

**Note:** in some programs you can not change the fade settings.

Master / Slave Mode

You can select Master or Slave Mode by using the UP/DOWN buttons.

M/Smode  
Master

M/Smode  
Slave

## DMX Operation

The LED Pixel Track Pro's built-in controller will automatically detect the presence of a DMX signal. When you put the DMX cable in the device, the display will change from N to Y. In order to receive a DMX signal, the built-in controller must be attached to a DMX controller by a 3-pin DMX cable and the DMX controller must be turned on.

|                     |                     |                  |                   |
|---------------------|---------------------|------------------|-------------------|
| DMX N<br>ADDR : 001 | DMX Y<br>ADDR : 001 | DMX Off<br>Chase | DMX Off<br>BLKOut |
|---------------------|---------------------|------------------|-------------------|

Select the desired DMX address by pressing the UP/DOWN buttons.

The LED Pixel Track Pro system can operate as a 160-, 40-, 20-, 8-, 7- or 4-channel DMX fixture. Select the desired Mode by pressing the MODE button, you can choose:

|                     |                    |                    |                   |                   |                   |
|---------------------|--------------------|--------------------|-------------------|-------------------|-------------------|
| DMX Y<br>MODE : 160 | DMX Y<br>MODE : 40 | DMX Y<br>MODE : 20 | DMX Y<br>MODE : 8 | DMX Y<br>MODE : 7 | DMX Y<br>MODE : 4 |
|---------------------|--------------------|--------------------|-------------------|-------------------|-------------------|

160 Channels (40 sections)    40 Channels (10 sections)    20 Channels (5 sections)    8 Channels (2 sections)    7 Channels (1 section)    4 Channels (1 section)

| 160X          | 40X           | 20X           | 8X            | 7X            | 4X            |
|---------------|---------------|---------------|---------------|---------------|---------------|
| Red           | Red           | Red           | Red           | Red           | Red           |
| Green         | Green         | Green         | Green         | Green         | Green         |
| Blue          | Blue          | Blue          | Blue          | Blue          | Blue          |
| Dimmer/Strobe | Dimmer/Strobe | Dimmer/Strobe | Dimmer/Strobe | Dimmer/Strobe | Dimmer/Strobe |
|               |               |               |               | Chase 1-16    |               |
|               |               |               |               | Speed         |               |
|               |               |               |               | Fade Time     |               |

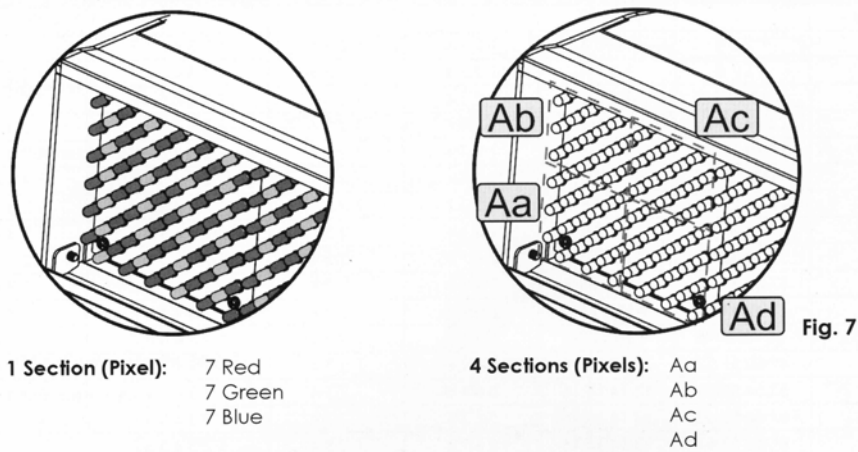
## DMX Signal-Off Setting

You can set up the unit how to react, if the DMX signal is lost. Once the signal is lost you can choose to run a chase or go to a complete black out.

|                  |                   |
|------------------|-------------------|
| DMX Off<br>Chase | DMX Off<br>BLKOut |
|------------------|-------------------|

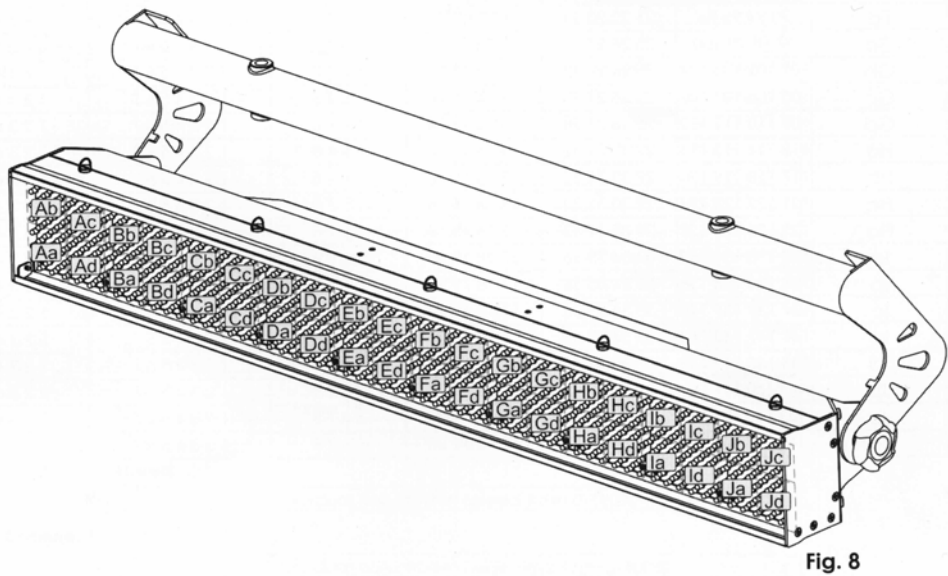
By pressing the UP/DOWN buttons, you can select chase or blackout.

Each section or pixel = 7x Red, 7x Green and 7x Blue  
 In the most advanced mode (**MODE 160**) you can control 40 different sections.  
 You can control Red, Green, Blue and Dimmer of each section (4x40).



Main Sections + Sub-sections (Cells)

| A |   | B |   | C |   | D |   | E |   | F |   | G |   | H |   | I |   | J |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| b | c | b | c | b | c | b | c | b | c | b | c | b | c | b | c | b | c | b | c |
| a | d | a | d | a | d | a | d | a | d | a | d | a | d | a | d | a | d | a | d |



| MODE         | 160             | 40           | 20           | 8            | 7                                 | 4           |
|--------------|-----------------|--------------|--------------|--------------|-----------------------------------|-------------|
| R/G/B/Dimmer | R/G/B/Dimmer    | R/G/B/Dimmer | R/G/B/Dimmer | R/G/B/Dimmer | R/G/B/Dimmer/<br>Chase/Speed/Fade | R/G/B/Dimme |
| <b>Cells</b> |                 |              |              |              |                                   |             |
| Aa           | 1 2 3 4         | 1 2 3 4      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ab           | 5 6 7 8         | 1 2 3 4      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ac           | 9 10 11 12      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ad           | 13 14 15 16     | 1 2 3 4      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ba           | 17 18 19 20     | 5 6 7 8      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Bb           | 21 22 23 24     | 5 6 7 8      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Bc           | 25 26 27 28     | 5 6 7 8      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Bd           | 29 30 31 32     | 5 6 7 8      | 1 2 3 4      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ca           | 33 34 35 36     | 9 10 11 12   | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Cb           | 37 38 39 40     | 9 10 11 12   | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Cc           | 41 42 43 44     | 9 10 11 12   | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Cd           | 45 46 47 48     | 9 10 11 12   | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Da           | 49 50 51 52     | 13 14 15 16  | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Db           | 53 54 55 56     | 13 14 15 16  | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Dc           | 57 58 59 60     | 13 14 15 16  | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Dc           | 61 62 63 64     | 13 14 15 16  | 5 6 7 8      | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ea           | 65 66 67 68     | 17 18 19 20  | 9 10 11 12   | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Eb           | 69 70 71 72     | 17 18 19 20  | 9 10 11 12   | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ec           | 73 74 75 76     | 17 18 19 20  | 9 10 11 12   | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ed           | 77 78 79 80     | 17 18 19 20  | 9 10 11 12   | 1 2 3 4      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Fa           | 81 82 83 84     | 21 22 23 24  | 9 10 11 12   | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Fb           | 85 86 87 88     | 21 22 23 24  | 9 10 11 12   | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Fc           | 89 90 91 92     | 21 22 23 24  | 9 10 11 12   | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Fd           | 93 94 95 96     | 21 22 23 24  | 9 10 11 12   | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ga           | 97 98 99 100    | 25 26 27 28  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Gb           | 101 102 103 104 | 25 26 27 28  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Gc           | 105 106 107 108 | 25 26 27 28  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Gd           | 109 110 111 112 | 25 26 27 28  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ha           | 113 114 115 116 | 29 30 31 32  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Hb           | 117 118 119 120 | 29 30 31 32  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Hc           | 121 122 123 124 | 29 30 31 32  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Hd           | 125 126 127 128 | 29 30 31 32  | 13 14 15 16  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ia           | 129 130 131 132 | 33 34 35 36  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ib           | 133 134 135 136 | 33 34 35 36  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ic           | 137 138 139 140 | 33 34 35 36  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Id           | 141 142 143 144 | 33 34 35 36  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Ja           | 145 146 147 148 | 37 38 39 40  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Jb           | 149 150 151 152 | 37 38 39 40  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Jc           | 153 154 155 156 | 37 38 39 40  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |
| Jd           | 157 158 159 160 | 37 38 39 40  | 17 18 19 20  | 5 6 7 8      | 1 2 3 4 5 6 7                     | 1 2 3 4     |

## EXAMPLES

### DMX Channels (MODE 4)

#### Channel 1 – Red

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 2 – Green

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 3 – Blue

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 4 – Dimmer / Strobe

|         |                                                 |
|---------|-------------------------------------------------|
| 0-159   | Gradual adjustment dimmer intensity from 0-100% |
| 160-255 | Strobe effect from slow to fast                 |

### DMX Channels (MODE 7)

#### Channel 1 – Red

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 2 – Green

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 3 – Blue

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Magenta from 0 – 100% |
|-------|------------------------------------------|

#### Channel 4 – Dimmer / Strobe

|         |                                                 |
|---------|-------------------------------------------------|
| 0-159   | Gradual adjustment dimmer intensity from 0-100% |
| 160-255 | Strobe effect from slow to fast                 |

#### Channel 5 – Chase / Sound-controlled

|         |                             |
|---------|-----------------------------|
| 0-15    | Chase 1                     |
| 16-31   | Chase 2                     |
| 32-47   | Chase 3                     |
| 48-63   | Chase 4                     |
| 64-79   | Chase 5                     |
| 80-95   | Chase 6                     |
| 96-111  | Chase 7                     |
| 112-127 | Chase 8                     |
| 128-143 | Chase 9                     |
| 144-159 | Chase 10                    |
| 160-175 | Chase 11                    |
| 176-191 | Chase 12                    |
| 192-207 | Chase 13                    |
| 208-223 | Chase 14                    |
| 224-239 | Chase 15                    |
| 240-255 | Chase 16 (Sound-controlled) |

#### Channel 6 – Speed

|       |                                      |
|-------|--------------------------------------|
| 0-255 | Gradual adjustment Speed from 0-100% |
|-------|--------------------------------------|

#### Channel 7 – Fade Time

|       |                                          |
|-------|------------------------------------------|
| 0-255 | Gradual adjustment Fade Time from 0-100% |
|-------|------------------------------------------|