

# Expolite TourStick 72 CM

## USER MANUAL

Welcome to use the powerful series of Expolite TourStick 72 CM which with LCD digital display for the most convenient operation.

### Technical Specifications:

#### Expolite TourStick 72 CM:

<b>Power supply:</b>	<b>AC110V.-240V. 50Hz / 60Hz</b>
<b>Power consumption:</b>	<b>Max. 100W</b>
<b>LED quantity:</b>	<b>24x3W TRI LED</b>
<b>Wave length of RED LED:</b>	<b>630nm</b>
<b>Wave length of GREEN LED:</b>	<b>535nm</b>
<b>Wave length of BLUE LED:</b>	<b>475nm</b>
<b>DMX control:</b>	<b>6CH, 9CH, 15CH, 24CH, 27 CH optional</b>
<b>DMX connection:</b>	<b>3-pin-XLR</b>
<b>Beam angle:</b>	<b>25 degree</b>
<b>Lux</b>	<b>1450 at distance 4 meter.</b>
<b>Fuse:</b>	<b>F2A for 120V / F2A for 250V.</b>
<b>Max. ambient temperature:</b>	<b>45degree</b>
<b>Max. housing temperature:</b>	<b>55degree</b>
<b>Min. distance from flammable surface:</b>	<b>0.5m</b>
<b>Min. distance from lighted object:</b>	<b>0.1m</b>
<b>Dimension (L x W x H)</b>	<b>100x 150 x 160mm</b>
<b>Weight:</b>	<b>6.0kgs</b>

This unit is without any noise under the heating sink system. It fulfills with:

- 14 built-in programs
- Auto run
- DMX mode (6CH, 9CH, 15CH, 24CH, 27CH optional)
- Master/slave mode
- Sound active mode

## Operation instructions:

### ● *Built-in programs (P01-P14)*

#### Chaser

A chaser is a sequence of different steps that will be called up one after another in a continuous loop.

#### Selecting a chaser:

Press the MODE button to select the internal program mode. Select the desired chaser (P01 – P14) via the UP or DOWN buttons (see following graphic).

Press the ENTER button to select speed and flash settings, respectively. You can select the desired values via the UP or DOWN buttons.

Speed from 00 to 99, increasing.

Flash from 00 to 99, increasing.

Please press the ENTER button to confirm and to exit the STAND ALONE Mode.

**Note:** Under Chasers FLOW 8 and FLOW 9 there are 2 sub-programs to choose from (C1, C2). Please press the ENTER button twice to reach the sub-programs. The desired color combinations can be selected via the UP or DOWN buttons.

STATIC COLOR BLAC-RGB Flash00-99	Blackout, Red-Yellow-Green-Cyan-Blue-Purple-White Flash speed adjustable.
DREAM Speed00-99 Flash00-99	Seven color dreaming Speed & Flash adjustable
METEOR Speed00-99 Flash00-99	Seven color flow Speed & Flash adjustable
FADE Speed00-99 Flash00-99	Seven color fade Speed & Flash adjustable
CHANGE Speed00-99 Flash00-99	Seven color change Speed & Flash adjustable
FLOW 1 Speed00-99 Flash00-99	Seven color chase in 1 direction Speed & Flash adjustable
FLOW 2 Speed00-99 Flash00-99	Seven color chase in 2 directions Speed & Flash adjustable
FLOW 3 Speed00-99 Flash00-99	Seven color chase relay in 1 direction Speed & Flash adjustable
FLOW 4 Speed00-99 Flash00-99	Seven color chase relay in 2 directions Speed & Flash adjustable
FLOW 5 Speed00-99 Flash00-99	Seven color chase from two sides to middle Speed & Flash adjustable
FLOW 6 Speed00-99 Flash00-99	Seven color chase from middle to two sides Speed & Flash adjustable
FLOW 7 Speed00-99 Flash00-99	Seven color chase Speed & Flash adjustable
FLOW 8 Speed00-99 Flash00-99	Two color chase in 1 direction Speed & Flash adjustable

1.BLA-RGB 2. BLA-RGB	Blackout-Red-Yellow-Green-Cyan-Blue-Purple-White
FLOW 9 Speed00-99 Flash00-99	Two color chase in 2 directions Speed & Flash adjustable
1.BLA-RGB 2. BLA-RGB	Blackout-Red-Yellow-Green-Cyan-Blue-Purple-White

● ***Auto Run mode***

In Auto Mode the chasers are called up automatically in a continuous loop.

Press the MODE button to select the AUTO mode.

Press the ENTER button to select the desired frequency of the loops.

The desired frequency of the loops (Frequency = FQN 01-99) can be selected via the UP or DOWN buttons.

Please press the ENTER button to confirm and to exit the AUTO Mode.

● ***DMX Mode***

The Control Board allows you to assign the DMX fixture address, which is defined as the first channel from which the TourStick 72 CM will respond to the controller.

**Controlling:**

After having addressed the TourStick 72 CM, you may now start operating it via your lighting controller.

**Note:** It's necessary to insert the XLR termination plug (with 120 Ohm) in the last lighting in the link in order to ensure proper transmission on the DMX data link.

**Addressing**

Press the MODE button until the display shows DMX MODE.

Press the ENTER button and the display shows: 001.

Set the desired address via the UP or DOWN buttons.

Please press the ENTER button again to confirm and to select a DMX Channel Mode.

**DMX Channel Selection : Choosing a DMX Channel Mode up to 27 Channel Occupation**

After having set the desired addresses and pressed ENTER, you can now choose a DMX Channel Mode. (6CH, 9 CH, 15 CH, 24 CH, 27 CH).

Set the desired mode via the UP or DOWN buttons.

Press the ENTER button again to confirm and to exit the DMX Mode.

Please see the following DMX protocol graphic for the respective channel values.

Channel mode: (6CH, 9CH, 15CH, 27CH optional)

**6CH:** Every eight spot eyes as 1 section

**9CH:** Every four spot eyes as 1 section, totally 2 sections

**15CH:** Every two spot eyes as 1 section, totally 4 sections

**27CH:** Every one spot eyes as 1 section, totally 8 sections

**24CH:** Every one spot eyes as 1 section, totally 8 sections (8xRGB)

Here below is the 6CH mode as the setting examples for reference:

CH 1	CH 2	CH3	CH4	CH5	CH6
0-10	blackout	blackout	blackout	blackout	blackout
11-21	Master dimmer (0-255)	Flash (0-255)	Red (0-255)	Green (0-255)	Blue (0-255)
22-32 Red		Flash(0-255)			
33-43 Yellow		Flash (0-255)			
44-54 Green		Flash (0-255)			
55-65 Cyan		Flash (0-255)			
66-76 Blue		Flash (0-255)			
77-87 Purple		Flash (0-255)			
88-98 White		Flash (0-255)			
99-109 Dream	Speed (0-255)	Flash (0-255)			
110-120 Meteor	Speed (0-255)	Flash (0-255)			
121-131 Fade	Speed (0-255)	Flash (0-255)			
132-142 Change	Speed (0-255)	Flash (0-255)			
143-153 Flow 1	Speed (0-255)	Flash (0-255)			
154-164 Flow 2	Speed (0-255)	Flash (0-255)			
165-175 Flow 3	Speed (0-255)	Flash (0-255)			
176-186 Flow 4	Speed (0-255)	Flash (0-255)			
187-197 Flow 5	Speed (0-255)	Flash (0-255)			
198-208 Flow 6	Speed (0-255)	Flash (0-255)			
209-219 Flow 7	Speed (0-255)	Flash (0-255)			
220-230 Flow 8	Speed (0-255)	Flash (0-255)	Color select		
231-241 Flow 9	Speed (0-255)	Flash (0-255)	Color select		
242-255 Sound active	Speed (0-255)	Flash (0-255)			

**9CHANNEL MODE: (Every 4 spot eyes as 1 section, the fixture has 2 sections totally.)**

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
11-21	Master Dimmer (0-255)	Flash 0-255	R 1	G1	B 1	R2	G2	B2

**15CHANNEL MODE: (Every 2 spot eyes as 1 section, the fixture has 4 sections totally)**

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15
11-21	Master Dimmer (0-255)	Flash 0-255	R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4

**27CHANNEL MODE: (Every 1 spot eyes as 1section, the fixture has 8 sections totally)**

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17	CH 18	CH 19	CH 20	CH 21	CH 22	CH 23	CH 24	CH 25	CH 26
11-21	Master Dimmer (0-255)	Flash 0-255	R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4	R5	G5	B5	R6	G6	B6	R7	G7	B7	R8	G8

**24CHANNEL MODE: (Every 1 spot eyes as 1section, the fixture has 8 sections totally)**

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8	CH 9	CH 10	CH 11	CH 12	CH 13	CH 14	CH 15	CH 16	CH 17	CH 18	CH 19	CH 20	CH 21	CH 22	CH 23	CH 24
R1	G1	B1	R2	G2	B2	R3	G3	B3	R4	G4	B4	R5	G5	B5	R6	G6	B6	R7	G7	B7	R8	G8	B8

● ***SLAVE Mode:***

The master/slave-operation enables that several devices can be synchronized and controlled by one masterdevice.

On the rear panel of the TourStick 72 CM, you can find an XLR-jack and an XLR-plug, which can be used for connecting several devices.

This device then works as master-device and controls the slave-devices, which are to be connected to the master-device via a stereo shielded cable. Connect the OUT-jack with the IN-plug of the next device.

Press the MODE button to select the SLAVE mode. The devices set in this manner can now be controlled by the master unit.

Please press the ENTER button to confirm and to exit the SLAVE Mode.

● ***Sound Active Mode:***

Press the MODE button and choose Sound Controlled Mode (SOUND).

Press the ENTER button to select the desired sensitivity and frequency of the loops, respectively.

The desired sensitivity (SENS 00-31) and frequency of the loops (Frequency = FQN 01-99) can be selected via the UP or DOWN buttons.

Please press the ENTER button again to confirm and to exit the SOUND Mode.