

## A9950050 LINEARdrive 180D

Constant Voltage RGB(W) LED driver/controller

LINEARdrive DC is a 4 channel DMX/DALI/0-10V compatible direct voltage controlled LED driver offering a 15-bit control resolution. The driver/controller is easily configurable over its intuitive, 3-button user interface with display

### Technical specifications:

Current: 6A (1.5A/channel)  
 Power output: 180 Watt  
 Operating supply: 12V-28V DC  
 Environmental rat.: Ta range: -20°C to +50°C (-4°F to +122°F)  
 Tc max: 65°C (149°F)  
 T heatsink max: 60°C (140°F)  
 Cooling: Passive (integrated heat spreader)  
 Relative humidity: non condensing  
 Network input: USITT DMX-512, LedSync  
 Network output: USITT DMX-512, LedSync  
 Network resolution: 8 bit (4 Network channels used by driver) or 16 bit (8 Network channels used by driver)  
 Certifications: CE: IEC 61347, EN 55015, IEC61003, EN 61547

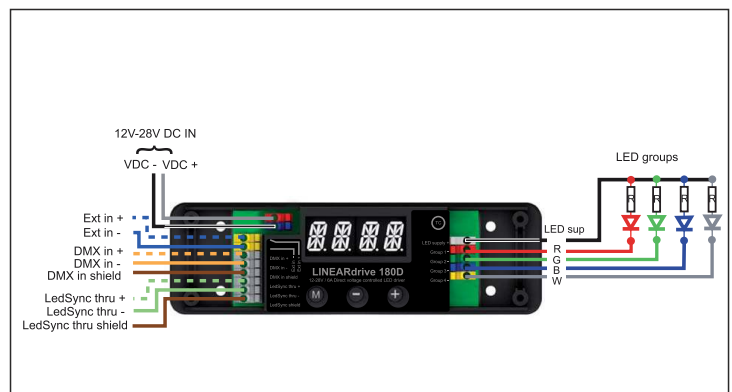
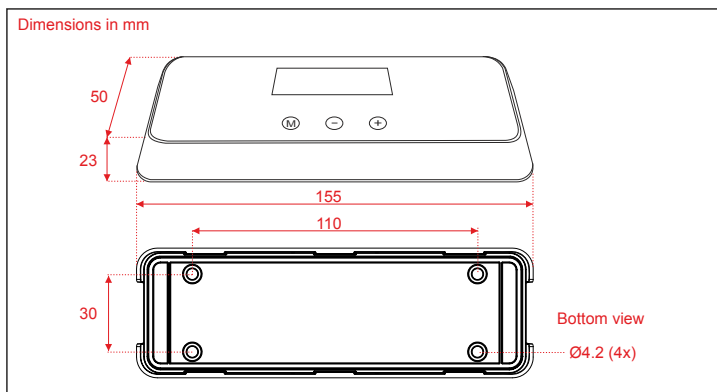


<b>KG</b>	<b>Operat. Power</b>	<b>Class</b>	<b>IP-20</b>	<b>Dimensions</b>
0.13	12-24V DC	Class III	IP-20	L 152 mm W 50 mm H 23 mm

### Mode Settings: Color (stand-alone with speed and intensity), Show (9-20 sequences), DMX

- DMX control mode:
- a. 1-1L 1-DMX-channels for LED group 1) (group 2+3+4 are disabled)
  - b. 2-2L 2-DMX-channels for LEDgroup 1+2) (group 3+4 are disabled)
  - c. 3-3L 3-DMX-channels for LED group 1+2+3) (group 4 is disabled)
  - d. 4-4L 1-DMX-channels for LED group 1+2+3+4)
  - e. 2-4L 2-DMX-channels for 2 LED groups 1+2 & 3+4)
  - f. 1-4L 1-DMX-channels (4 groups 1+2+3+4)
  - g. RGB 3-DMX-channels for 3 LED groups (Red & Green & Blue)
  - h. RGBW 4-DMX-channels for 4 LED groups (Red & Green & Blue & White)
  - i. RGBA 4-DMX-channels for 4 LED groups (Red & Green & Blue & Amber)
  - j. RRGB 3-DMX-channels for 4 LED groups (2x Red & Green & Blue)
  - k. RGGW 3-DMX-channels for 4 LED groups (1x Red & 2x Green & 1xBlue)
  - l. CCWW 2-DMX-channels for 4 LED groups (2x same color & 2x White)
  - m. CWWW 2-DMX-channels for 4 LED groups (1-group & 3-groups)

- Ext input mode:
- 1. POTM: 0-10V (turn off or dim the light)
  - 2. SWITT: Show sequence



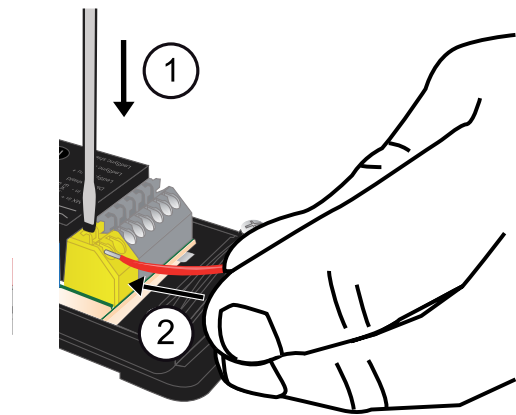
# Colour is our nature



## Connecting and configuring the LINEARdrive 180



A Removing the cover



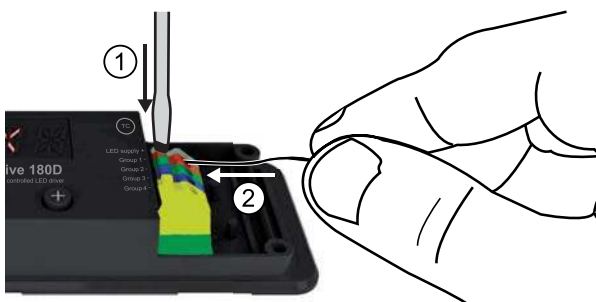
E Optional: Connecting external control device or network cabling



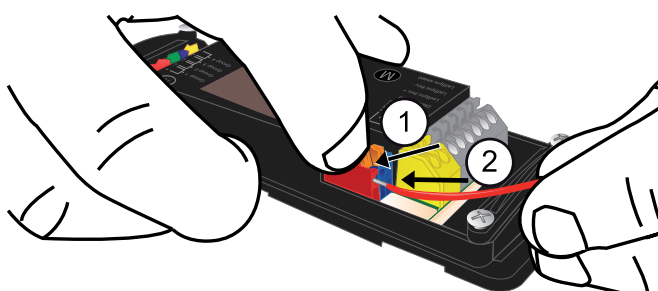
B Removing the strain reliefs



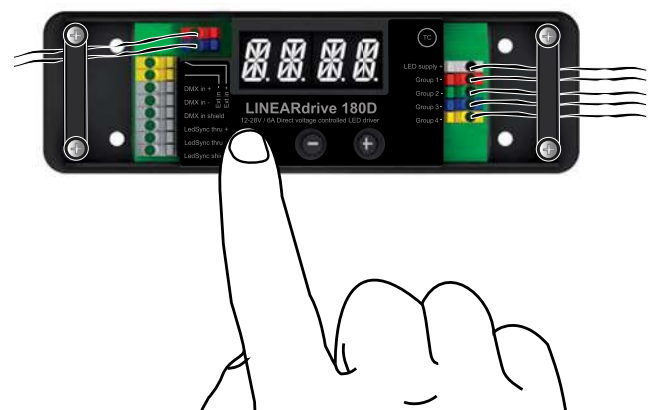
F Fastening the strain reliefs



C Connecting LED wires



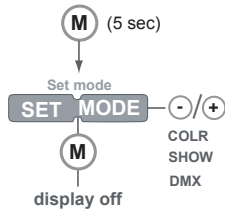
D Connecting power supply wires



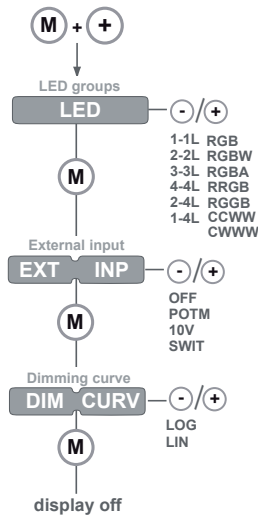
G Configuring the LINEARdrive

**Manual configuration**

**1. Select mode of operation:**



**2. Set LED groups:**



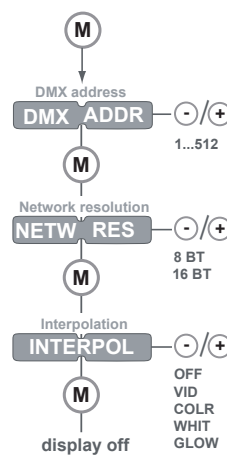
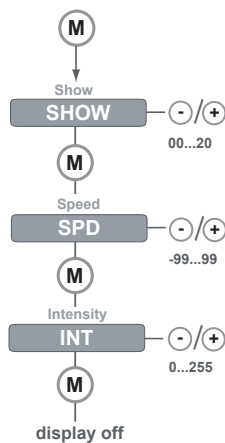
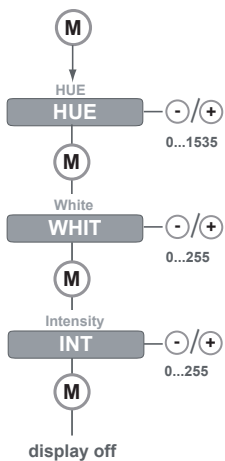
**3. Standalone operation - Colour\*-**

or

**Standalone operation - Show -**

or

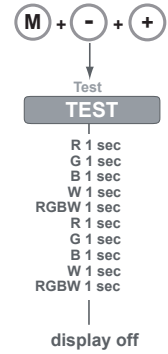
**Networked operation - DMX -**



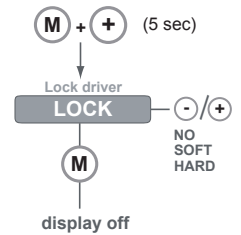
\* The colour menu depends on the LED group settings you have selected in step 2.

**Other features**

**Visual test run**



**Locking the configuration:**



**Reset to factory defaults**

