LIGHTING
FOR ARCHITECTURAL,
HOSPITALITY &
RETAIL APPLICATIONS

DMX512 Track light Setup / Addressing and Installation Instructions

⚠ **Read before you start**

● Always use cable specifically designed for DMX/RS485 for avoiding electricity interference.

● ON DMX512 Track light still rerquire a third party DMX controller for control. The encoder is used for addressing the fixture only.

● DMX512 system should always be installed by a contractor who understands the requirements of the DMX standard.

● ON DMX512 Track Light is controlled by precision motors. It is strictly forbidden to rotate the fixture manually. Install and remove the fixture from the track with care. DO NOT collide or fell the fixture to avoid any motors damage.

⚠ **WARNING: RISK OF ELECTRIC SHOCK! TURN OFF POWER BEFORE INSTALLING OR SERVICING.**

⚠ **WARNING:**
1. Risk of fire or electric shock. LED fixtures installation requires knowledge of luminaires electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.
2. Read all product labels and instructions before installing fixture.
3. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
4. **INSTALLATION SHOULD ONLY BE PERFORMED AFTER POWER TO THE FIXTURE HAS BEEN DISCONNECTED.**
5. **SAVE THESE INSTRUCTION FOR FIXTURE REFERENCE.**

⊙ 220-240 VAC

IP20 INDOOR USE ONLY.

🚫✋ DO NOT TOUCH WHILE FIXTURE IS IN OPERATION.

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ON DMX512 Track Light(6 wires) track set up

SGND

Power Input

L1
D-
N

L2
D+
L3
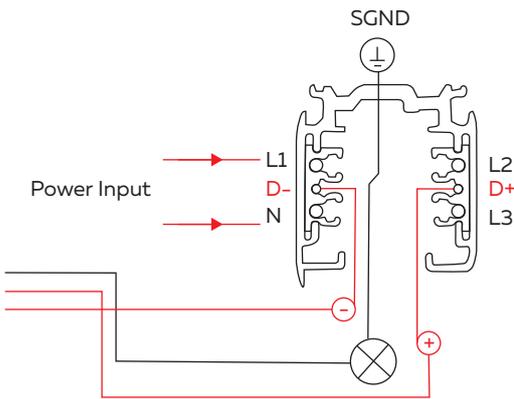
Note

● To avoid signal inferference, please connect the signal ground on the track to the signal ground on the DMX control.

ON DMX512 Track Light Installation Instructions
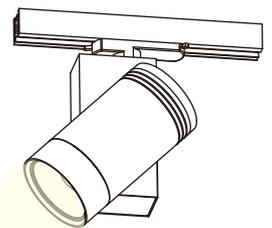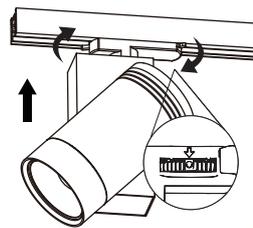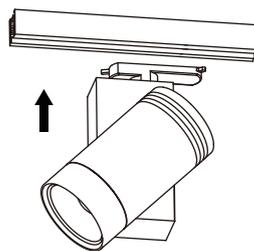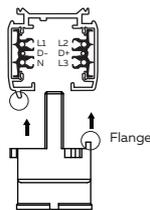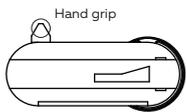
Hand grip

Flange

1 Before installation, make sure that settings (0 position) are exactly as illustrated.

2 The adapter flange is aligned with track plane direction.

3 Put the track light into the track and lock the hand grips on both sides tightly.

4 Rotate the knob to select phase 1/2/3. Clockwise and anticlockwise rotation are possible.

5 Restore power supply.

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DMX512 Requirements

| 1 | 2 | 3 | 4 | 5 | 6 |

| 7 | 8 | ..... | 510 | 511 | 512 |

Master Channels   Adjustment Channels
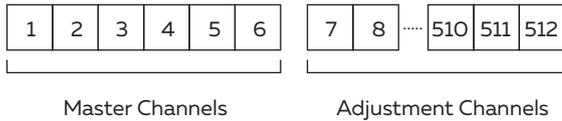
X: Intensity
X+1: Color control (1–WW, 255–CW)
X+2: X axis movement (Pan)
X+3: Y axis movement (Tilt)
X+4: Z axis movement (Zoom)
X+5: Calibration (1–32: X axis calibration, 33–64: Y axis calibration, 65–96: Z axis calibration, 97–128: X ,Y ,Z calibration)

| Fixture | DMX Adress | | | | | |
	Intensity eg. X	Color control eg. X+1	X Pan eg. X+2	Y Tilt eg. X+3	Z Zoom eg. X+4	Calibration eg. X+5
#1	1	2	3	4	5	6
#2	7	8	9	10	11	12
#3	13	14	15	16	17	18

30 spotlights
30 spotlights
30 spotlights
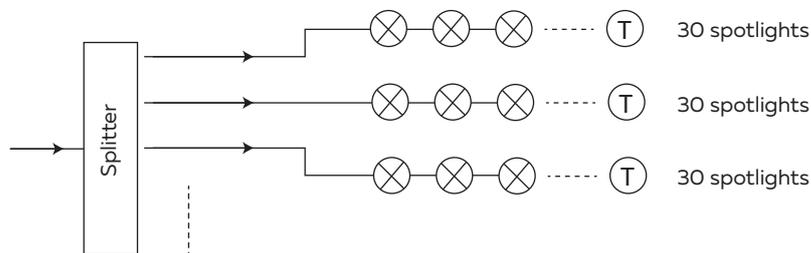
Note

● We don't recommead more than 30 fixtures per DMX daisy chain, and each chain must be teminated with a 120 Ω DMX resistor to prevent reflections.

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Setting the encoder/fixture

The encoder adopts a high-speed MCO processr. It is compatible with RS485 standard, supports most of the DMX512 chip and super DMX decoder on the market.
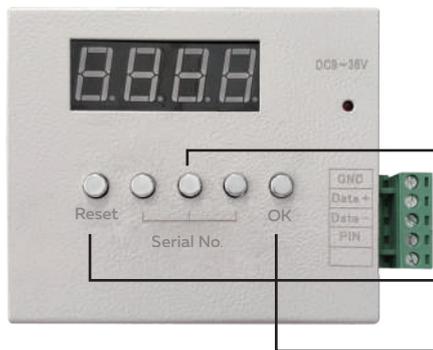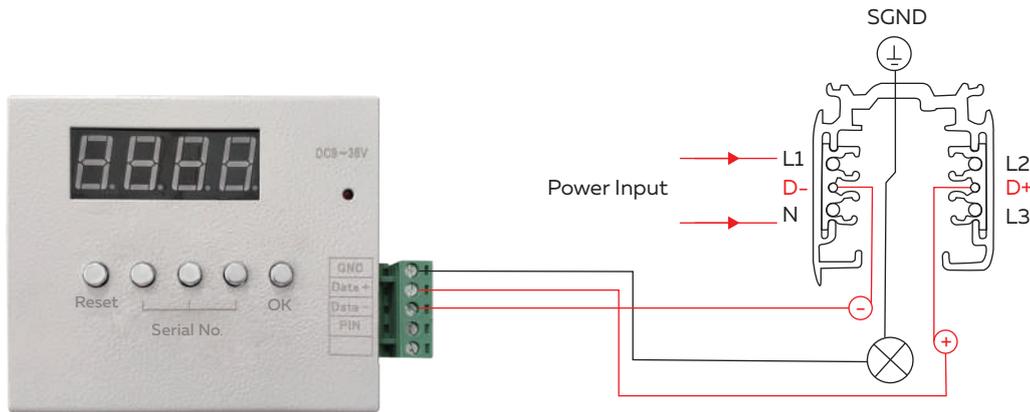
Steps

Plug in the encoder. Display default digits : 0000

● **Serial NO.** : Uses "Serial No." button set up the first fixture serial No. as 001 and the next one is 007.

● **Rest**: Press " Rest " button when you want the serial No. back to the defalut digits.

● **OK**: When you finish addressing the fixfure, press "OK" , then you can addressing the next one.

Note
● ON DMX512 fixture require a default 6 consecutive channels.