

LE-T31/LE-T21/LE-T31H/LE-T21H

Light Engine User Manual

[Note] The pictures of light engine and control unit used in this manual are for reference only. If there is something different from the actual product, please subject to the actual product.

Table of Contents

1. Safety Instructions	2
2. Connections and Installation.....	4
2.1. Package Contents	4
2.2. Installation and Connections - Light Engine Assembly	5
2.3. Installation and Connections - Connect the control unit.....	8
3. Troubleshooting.....	9

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1. Safety Instructions

Please use the Product following the safety instructions below:

1 Operation

- 1.1 Please use the Product in the recommended operating environment.
- 1.2 Do not place the Product in tilted position.
- 1.3 Do not place the Product on an unstable trolley, stand or table.
- 1.4 Do not use this Product near water or source of heat.
- 1.5 Use attachments only as recommended.
- 1.6 Use the type of power source indicated on this Product. If you are not sure of the type of power available, consult your dealer or local electricity company for advice.
- 1.7 Connect this Product to power with voltage between 100 V ~ 240 V only. Your product may fail to start up for voltage lower than 100 V and blow the fuse of your machine for voltage greater than 240 V.
- 1.8 Specification of working voltage gap:
 - 1.8.1 Your product is subject to risks of fuse blowing if the surge voltage is greater than 250 V.
- 1.9 Always take the following precautions when handling the plug. Failure to do so may result in sparks or fire:
 - Ensure the plug is free of dust before inserting it into a socket.
 - Ensure that the plug is inserted into the socket securely.
- 1.10 Do not overload wall sockets, extension cords or multi-way plug boards to avoid potential risks.
- 1.11 Do not block slots and openings in the case of this Product as poor ventilation may lead to overheating of this Product.
- 1.12 Except as specifically instructed in this User Manual, do not attempt to open or remove covers by yourself. It may expose you to electric shock or other hazards. Refer all servicing to licensed service personnel.
- 1.13 Unplug this Product from the outlet and refer servicing to licensed service personnel when the following situations happen:
 - If the power cords are damaged or frayed.
 - If liquid is spilled into the Product or the Product has been exposed to rain or water.

2 Installation

- 2.1 For security considerations, please ask technician personnel approved by agents to install it.

3 Storage

- 3.1 Do not place the Product where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- 3.2 Never push objects of any kind through cabinet slots. Never allow liquid of any kind to spill into the Product.
- 3.3 Unplug this Product during thunderstorms or if it is not going to be used for an extended period.
- 3.4 Do not place this Product or accessories on top of vibrating equipment or heated objects, such as a car, etc.

4 Cleaning

- 4.1 Unplug all the cables before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

■ Precautions

Warning: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

If the light engine will not be used for an extended time, unplug it from the power socket.

		Note Risk of Electric Shock Please do not open it by yourself.		
Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to licensed service personnel.				
	This symbol indicates that this equipment may contain dangerous voltage which could cause electric shock.		This symbol indicates that there are important operating and maintenance instructions in this User Manual with this unit.	

■ EN55022 (CE Radiation) Warning

This product is intended for use in a commercial, industrial, or educational environment. It is not intended for residential use.

This is a Class A product. In a residential environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, reception room or hall.

■ EN60825 (Laser) Warning

	Laser Radiation Do Not Stare Into Beam Class 2 Laser Product
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2. Connections and Installation

2.1. Package Contents

- 2.1.1. Device Module x 1
- 2.1.2. Power Module x 1
- 2.1.3. Light Module x 1
- 2.1.4. AC power cord x 1 (Appearance may vary depending on country)
- 2.1.5. Fuse x 1 (located in the groove of socket)
- 2.1.6. 15Pin D-Sub Cable x 1



- 2.1.7. 26 to 25Pin D-Sub Cable x 1

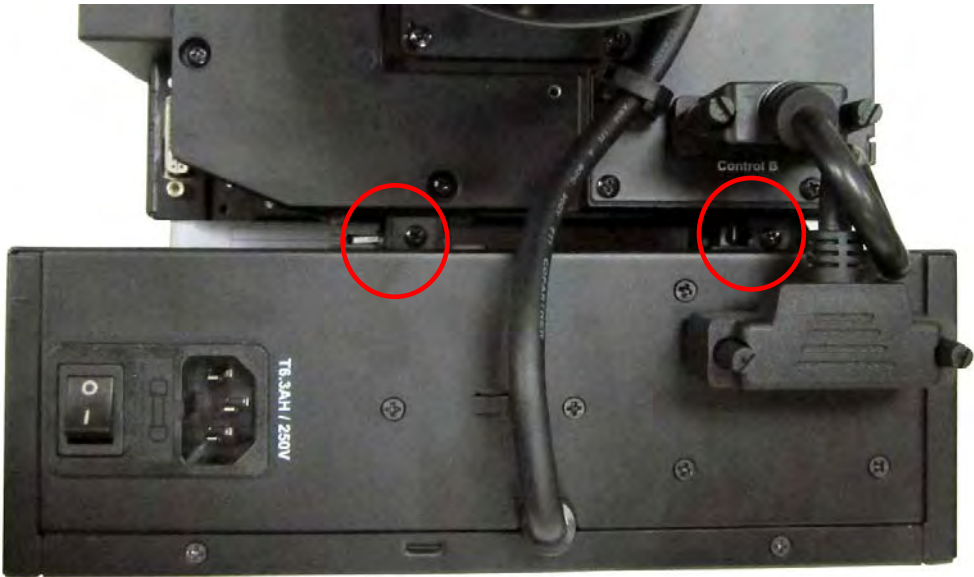


- 2.1.8. Black Screws x 2 (2 x M3*6 screws)



2.2. Installation and Connections - Light Engine Assembly

2.2.1. Connect the power module. Secure the module with 2 black screws (2*M3 x 6 screws)



2.2.2. Connection Cable: 15 Pin D-Sub Cable x 1



2.2.3. Connection Cable: 26 to 25 Pin D-Sub Cable x 1

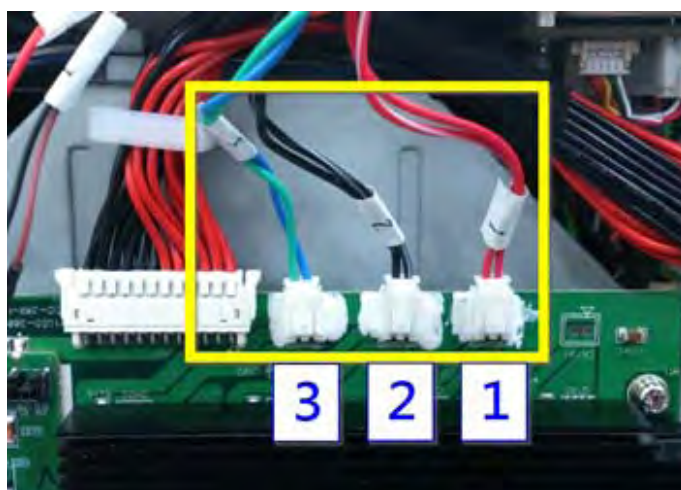
<Note> The connection cable must be looped once to prevent the cable from over-bending and causing communication anomalies. The device can be activated once the cable has been secured.

Correct Connection	Improper Connection
	

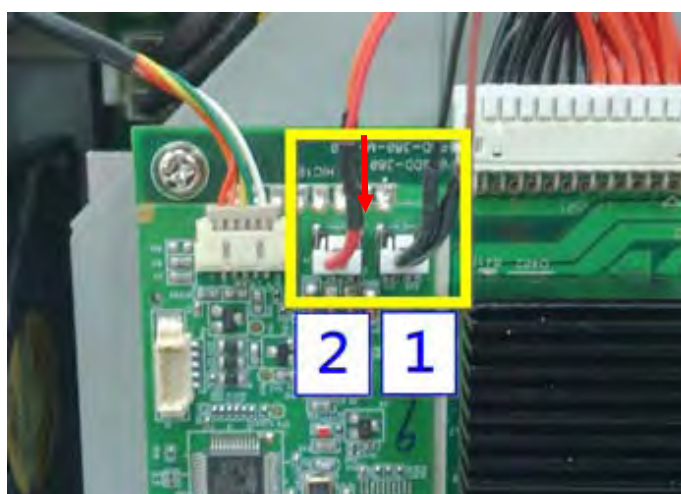
2.2.4. Open the power module, and install the light module at the connecting point



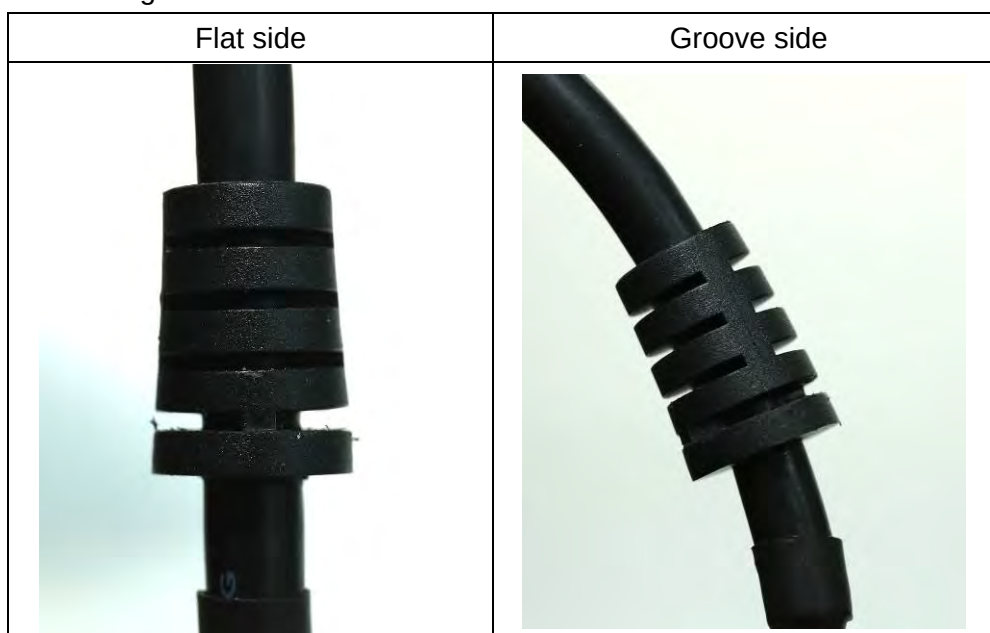
2.2.5. Lighting cables are marked with 1,2,3, please connect them in a sequential manner



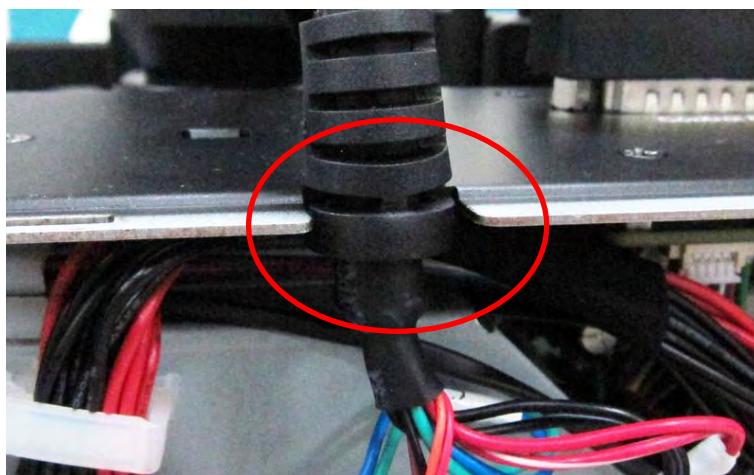
2.2.6. Installing NT cables are marked with 1, 2, smaller housing (NTC) cables



- 2.2.7. To secure the fishtail of the driver cable onto the metal plate, first determine the flat side and the groove side of the fishtail



- 2.2.8. Insert the groove side into the panel. If the fishtail is inverted, it will interfere when closing the device cover.



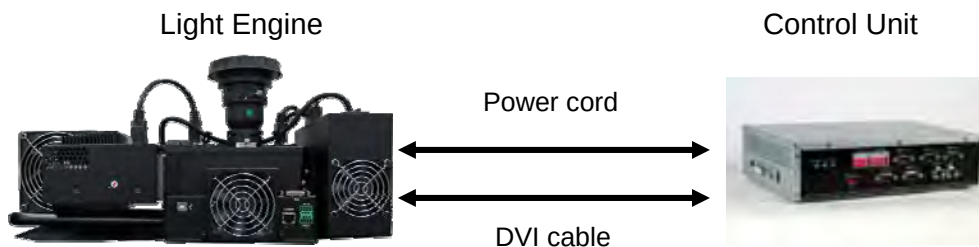
- 2.2.9. Remove the lens cover

<Note> Without removing the lens cover, images cannot be projected and the lens cover may overheat and stick onto the lens

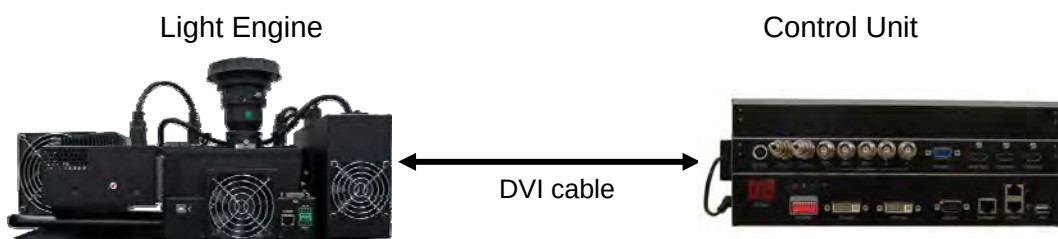
2.3. Installation and Connections - Connect the control unit

2.3.1. Connect the light engine and the control unit

Case 1: LE-Tx1 connects CU105, and use the accessory DVI cable to connect the control box output port to the core's DVI port Use the long DVI cable (a part of the control unit), male to female AC power cord (a part of the control unit)



Case 2: LE-Tx1 and LE-Tx1H connect CU106x, and use the accessory DVI cable to connect the control box output port to the core's DVI port

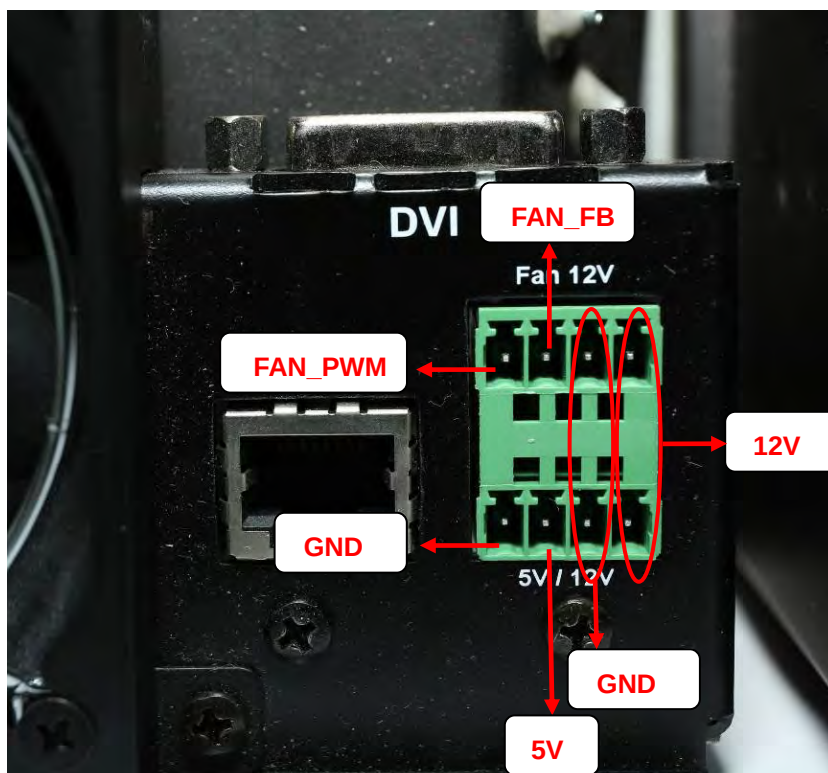


<Remark 1> Please use the factory-issued DVI cable to connect the light engine to the control unit

<Remark 2> We suggest using the UL20276 spec. as the DVI/HDMI cable for connecting the source signal cable of the control unit

<Remark 3> We suggest using HDMI cables approved by the HDMI Association

2.3.2. Definition of fan connector



3. Troubleshooting

You can find recommended solutions for common questions in this chapter. If the problems cannot be solved by yourself, please contact the customer service staff.

3.1. Problems: light engine cannot be illuminated

Recommended solutions: Refer to the chapter [Connections and Installation], and check if all the cables and lighting cables were installed

3.2. Problems: Main image disappears suddenly during starting up and operation, lights off

Recommended solutions:

- Check if the DVI cable detaches.
- It shall be re-illuminated and re-confirmed if the problem would occur once again.