

T63 (6A) i12

Led Dimmer

User Manual



Please read carefully before using this dimmer

● Instructions

Thanks for using T63 (6A) dimmer of our company. Before installation, please read this manual carefully to ensure fully understand and proper use in order to avoid unnecessary damages to the dimmer.

Before using, please check to confirm whether there is any damage caused during the transport process, if there is, please notify your supplier and do not use the product.

● After-sale services

Since the purchasing of the product, the company provides free of charge repair or replacement service in one year if it is normally used according to the instructions.

If the customer does not follow the instructions and following provisions in this manual, which results in product damage, the supplier is not responsible for any problems arising therefrom and defects, even in the warranty period, maintenance costs borne by the customer.

1. Damage caused by misuse, such as not in accordance with the instructions.
2. Damages caused by unauthorized removal, repair, modify of the circuit; incorrect connection and replacement of the chips.
3. Damage caused by transport, shock, and throw to the floor after purchase.
4. Damage caused by earthquakes, fires, floods, lightning and abnormal voltage.
5. Damage caused by negligence or improper maintenance, such as storage at high temperature and humid environment, vicinity of hazardous chemical substances.
6. Replacement of products.

● Instructions for safety

To make sure the perfect condition and safe use of the product, please observe the instructions and reminders on this manual. Operate cautiously and read these instructions carefully.

1. For installation, try to avoid the minefields, strong magnetic field and high-pressure area.
2. Ensure that the wire is connected correctly and firmly in order to avoid short-circuit damage to parts and posing a fire hazard.
3. Please install controller in a well-ventilated place to ensure the surrounding temperature is moderate.
4. Before using this product, please check the DC power and voltage meet the product technical requirements; positive and negative polarity is defined consistent to the product.
5. Prohibit live wiring, check to confirm wiring is correct, if no short-circuit, then power!
6. If any problems do not make unauthorized repairs. Any doubts please contact your local supplier.

This manual applies only to this product of our company, subject to changes without notice.

● Introduction

T63 (6A) Series Dimmer is a smart RGB three color light controller dedicated to long-illumination LED light, using the most advanced PWM (Pulse Width Modulation) digital dimming technology, the dimming can be manually operated, or through infrared remote control. It is applicable to commercial use and fitted out fitted or dark. The installation of LED Dimmer can meet commercial or home lighting at different times with different light environment, to extend the LED life span, and save energy; LED lights of any power can use this dimmer to decolorize.

1. Technology specifications

Type	T63(6A) i12
Input voltage	DC12V -24V
Output signal	PWM
Max load current	6A
Brightness level	256
Dimmer dimension	L87*W87 (mm)
Remote dimension	L86*W40*H7.0(mm)
Packaging dimension	L90*W60*H72(mm)
G.W.	200 g

2. Functions

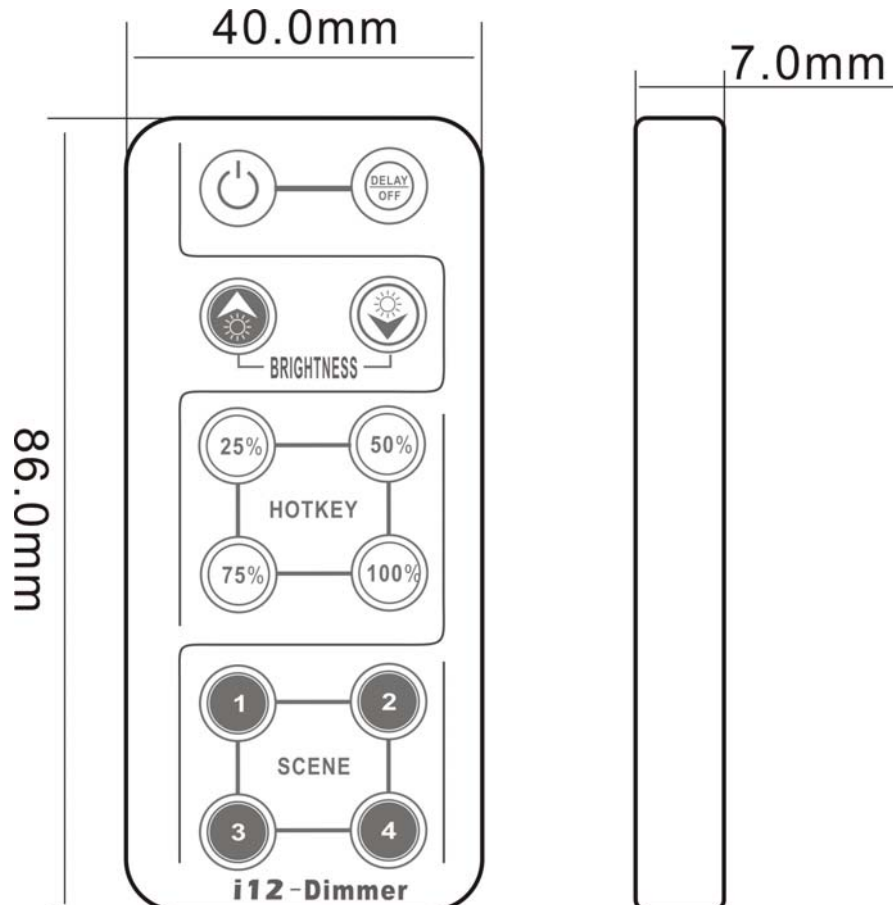
- (1) brightness adjustment from 0 to 100 % with knob + wireless remote control, convenient and practical.
- (2) 256-level gray-scale for soft and delicate lighting without flicker phenomenon.
- (3) PWM digital dimming+ designed to eliminate current surges to extend the life span of the LED.
- (4) Quick selection of four kinds of brightness 25%、50%、75%、100%.
- (5) Four kinds of DIY modes, 30s delay turn-off, panel fluorescence (luminous) direct and many other human-oriented designs.

3. Structure

(1).View of master dimmer: (chart 1)

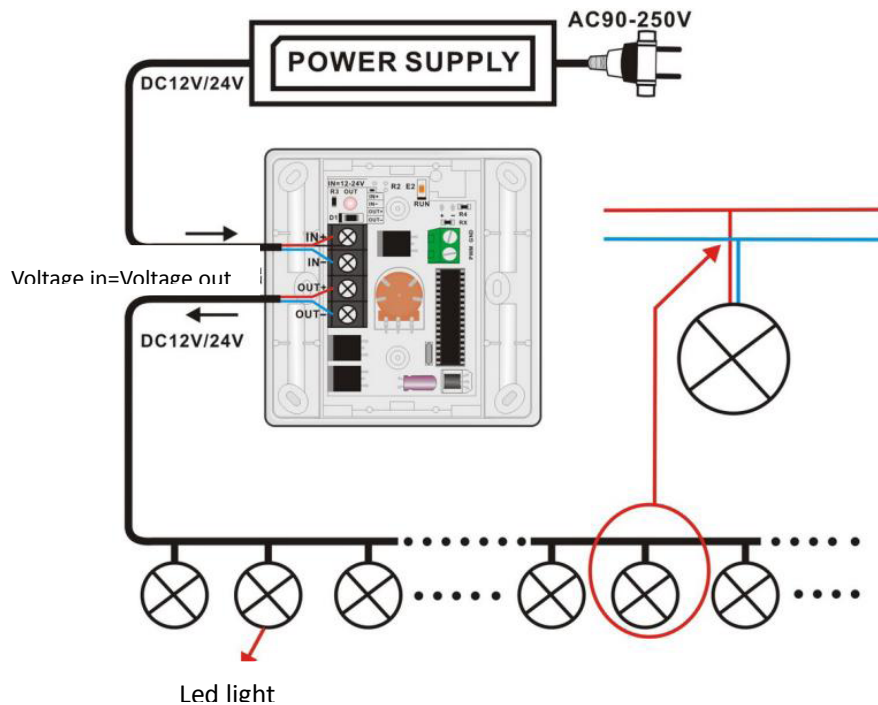


(2).View of remote controller: (chart 2)

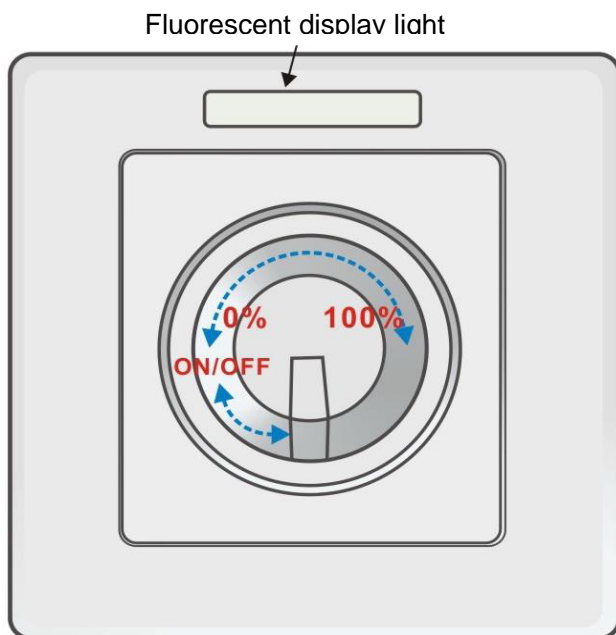





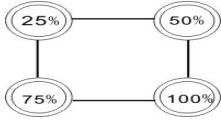
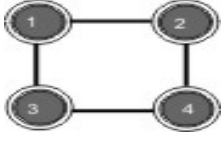
4. Connection diagram of dimmer

(1). Diagram of connection to low power LED: (chart 3)



(2). Descriptions for remote controller keys.



keys	names	description
	ON /OFF	on/off: turn on or off the led dimmer Under off, press any key to start the dimmer.
	DELAY OFF	Delay/off: Press this key, led will delay turn-off for 30 seconds.
	BRT+/BRT -	BRT+/BRT -: increase/decrease LED brightness, a total of 256 level, press and hold can increase or decrease continuously.
	HOTKEY	Hotkey: press any key to quickly select different LED brightness level.
	SCENE	Scene: a total of four keys, press and hold a key for 3 seconds, dimmer light flashes 3 times. This shows the dimmer has saved the current brightness of the key on the keypad automatically, next time press to enter the default brightness directly, same settings for the other keys.


5. Failure analysis and solutions

Failures	Analysis	Solutions
No light	1.Switching power does not work 2.Reversed polarity of power supply 3. Wrongly connected line or poor contact. 4. The LED light has been bad.	1. Check the power for the switch. 2. Change the polarity of the power supply. 3. Re-check the line connection.
Brightness of LED is not consistent	1. Output line is too long to cause the pressure drop. 2. Line diameter is too small to cause the pressure drop. 3. Power overload. 4. Controller overload.	1. Shorten supply lines or use loop supply. 2. Calculate the current and replacement of thick lines. 3. Change for a larger power. 4. Increase a power amplifier.

Tips: The effective power of switching power supply is generally only 85% of the marked power, so it is recommended in selecting the power supply, the user choose a slightly larger one than the LED load power, at least for more than 20%!

6. Packaging

(1).Packaging details (chart 4)

Symbol	Name	Picture	External dimension (mm)	QTY	Unit
A	T63(6A) dimmer		87*87*5.6M	1	PCS
B	I24 remote controller		L86*W40*H7.0	1	PCS
C	manual	31E0RGB	A6 sheet	1	PCS

(3). Carton packaging (chart 5).

Box packing: 21PCS/carton

