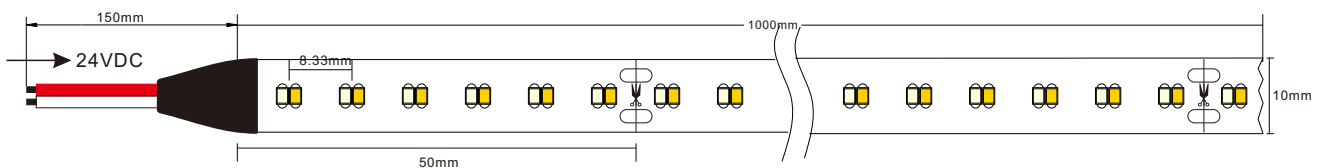


Product Specification

Item No.:1524-DTW



Drawing:



Product features:

- Easy installing for many ways.
- Can be cutting into small units (with a “scissors” sign on the LED strip) or connecting at your will.
- Adjustable for all kinds of LED decorations.
- Safety input 24VDC.
- Certified by UL TUV-CE, RoHS.

Product parameters:

Absolute Maximum Rating at TA=25°C

Parameter	Mark	Rated Value	Unit
Forward Voltage DC	VF	24VDC	V
Forward Current	IF	600	mA/M
Power	PD	<14.4	W/M
CRI	Ra	90+	/
Luminous Flux	Φ	Dim from 3000K to 2100K before switching off 516LM at full brightness	Lm (1M)
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Element Size	L	50	mm
Min.Buckling Radius	R	≥50	mm
IP Grade	IP	IP20---Non waterproof IP65---Silicon coated IP54---Nano coated IP67---Silicon tube(transparent) IP67---PU tube&clear PU glue IP67---Silicon tube(opal+transparent) IP68---Silicon tube(opal+transparent)& Inject silicon glue IP68---Silicon tube(transparent)& Inject silicon glue	/

DIM101 CVPWMDIMMER

USER MANUAL



DIM101 CVPWMDIMMER

FOREWORD

Thank you for choosing our product. Before use, read carefully the manual for knowing the usage and operation of this item. CE, FCC, RoHS Certificate have been approved. If it is our product's problem, 5 years warranty since the date of signing contract, excluding improper use lead to product damage and burn out.

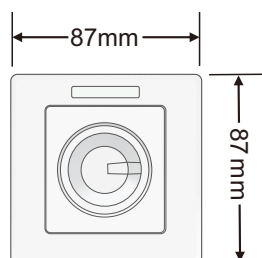
PRODUCTFEATURES

- UseforLEDlampsdimming.
- Manual+IRremotedimming.
- 0-100%dimming,flickerfree.
- UserDIY+built-inmodes.
- WorkablewithLEDsyncamplifier.

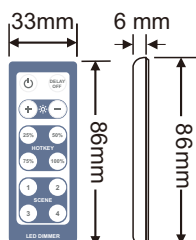
TECHNICALPARAMETER

Model No.: DIM101
 Powerchosen:CVpowersupply
 Inputvoltage:DC12V-24V
 Outputvoltage:DC12V-24V
 Outputsignal:CVPWM
 Currentload:6A*1CH=6A
 Outputpower:72W-144W
 Dimmingrange:0-100%
 G.W.:165g
 Productsize:L87*W87*H55 (mm)
 Packagesize:L98*W93*H65(mm)

PRODUCTSTRUTURE

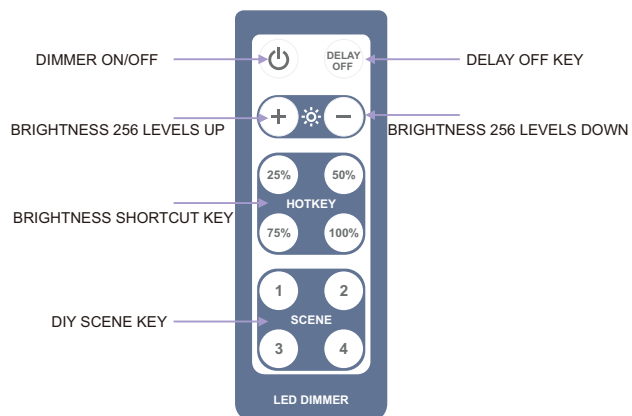


DIMMER SIZE



IR REMOTE SIZE

REMOTEKEYDEFINITION

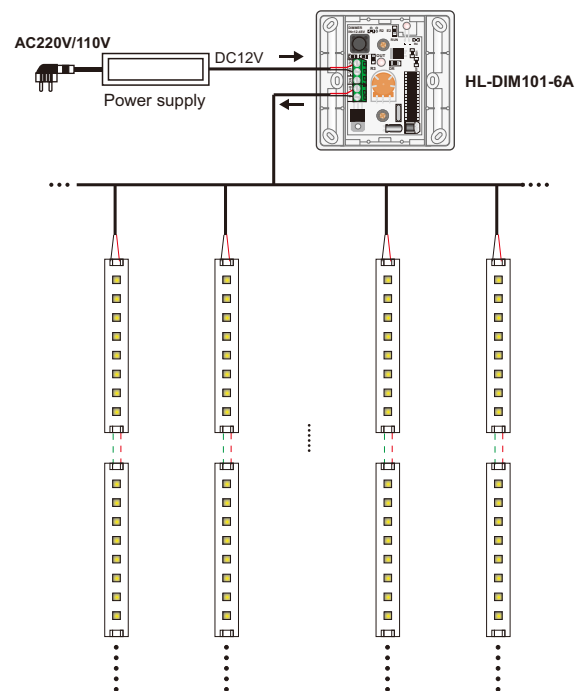


REMOTEINSTRUCTIONS

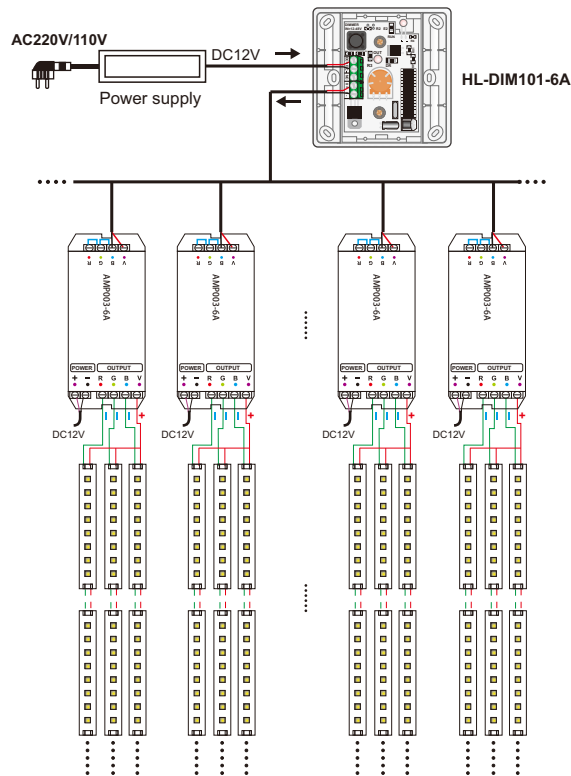
ICON	KEY DEFINE	USE
	ON/OFF	Short press: turn on/off LED lamp
	DELAY OFF KEY	Short press: turn off LED lamp automatically after 30 seconds
	BRIGHTNESS ADJUSTMENT	Long press: increase or decrease LED brightness continuously. Short press: increase or decrease LED brightness discontinuously.
	BRIGHTNESS SHORTCUT KEY	Short press: switch to brightness the key showed.
	DIY SCENE KEY	Press any key over 3 seconds until indicator flicks, the current brightness was recorded to this button, later you can enter this mode by just once pressing.

CONNECTIONDIAGRAM

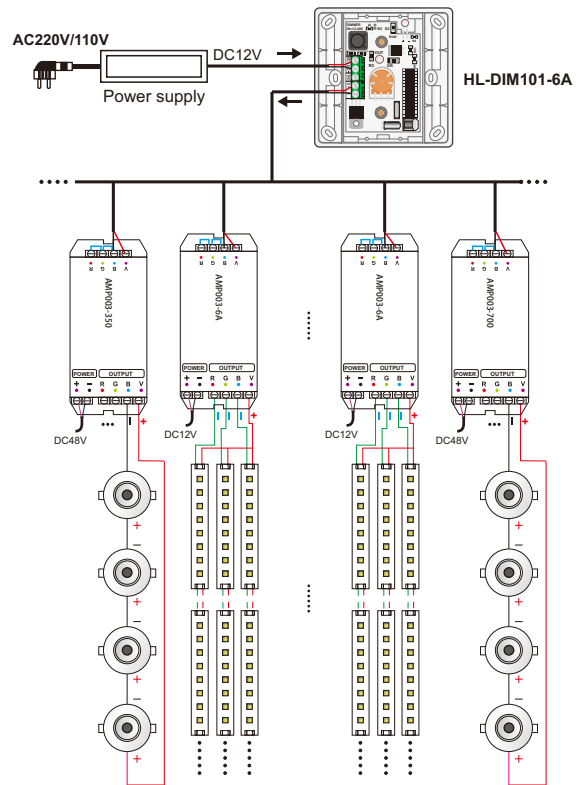
1. Single unit connection



2. Connect to sync amplifier



3. Mix-connect to sync amplifier



FAULT ANALYSIS

LED lamps are not under controlled or not bright:

1. If input voltage or output power fit the loading lamps.
2. If master control is working, or change the mode.
3. If there is problem with the power supply of master control and splitter, or wrong connection.

ATTENTION

1. The product shall be installed, serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any LED power supplies used comply with working voltage of the product.
5. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

WARRANTY AGREEMENT

Ensure to make customers rest assured and satisfy with our products, we will strictly follow the relevant laws and regulations issued by the state, require the company's after-sales service system reasonably.

1. Lifelong technical assistance and 5-year warranty for free repair or replacement and covers.
2. Date of purchase subjects to the contract or invoice.
3. Warranty exclusions below:
 - 1) Any man-made damages caused from improper operation.
 - 2) User remove, repair, refit the products.
 - 3) Any damages due to the transportation.
 - 4) Damage due to natural disasters and force majeure.
 - 5) Normal use old, worn, cracked and dip, etc.

Packaging:



Carton Box Option 1: 70*27*27cm

Quantity: IP20 50rolls(250M)
IP65 40rolls(200M)

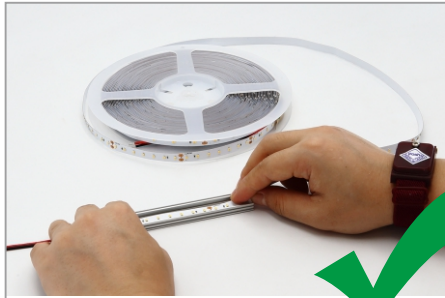
Carton Box Option 2: 39.5*39.5*24cm

Quantity: IP20 60rolls(300M)
IP65 60rolls(300M)

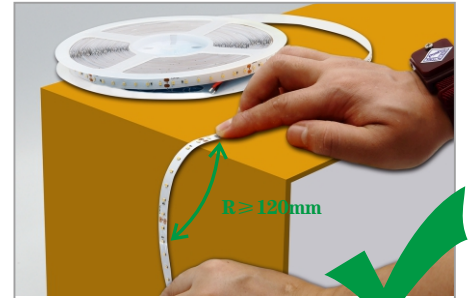
Cautions:



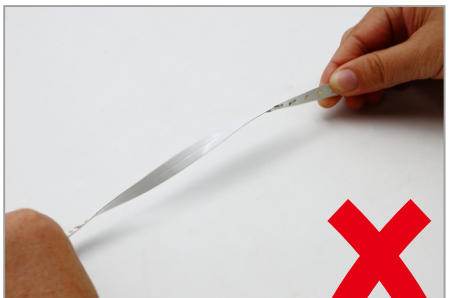
Straighten the LED strip vertically during normal service.



Straighten the LED strip parallelly during normal service



During normal service, once need a turning, must hold the curve of LED strip with its front side up and back side down.
(Attention: keep the curved radian $\geq 120\text{mm}$)



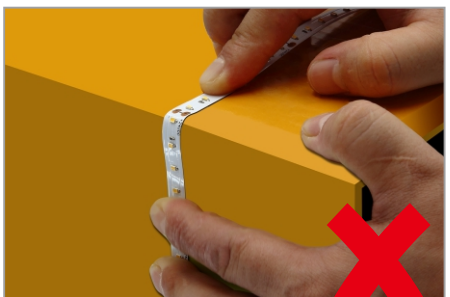
The LED strip can not be distorted during normal service.



The curvature can not be ≤ 90 during normal service.



The LED strip can not be removed all from the reel, then install from the front end.



During normal service, once need a turning, must hold the curve of LED strip with its front side up and back side down.
(Attention: The curvature can not be $\leq 120\text{mm}$)

- Do not connect the low voltage LED strip 12V or 24V directly to 220V. In this case, the LEDs will be instantly destroyed!
- If LED strip with cables on both sides, please attention: when connect one side to the driver, make sure the other side cables (negative and positive) stay disconnected. Otherwise, the LED strip will be in short circuit and increase risk of damaging the strip light.
- LED strip is electrostatic and sensitive device, please wear the anti-static wrist strap or the anti-static glove when touch or use it.