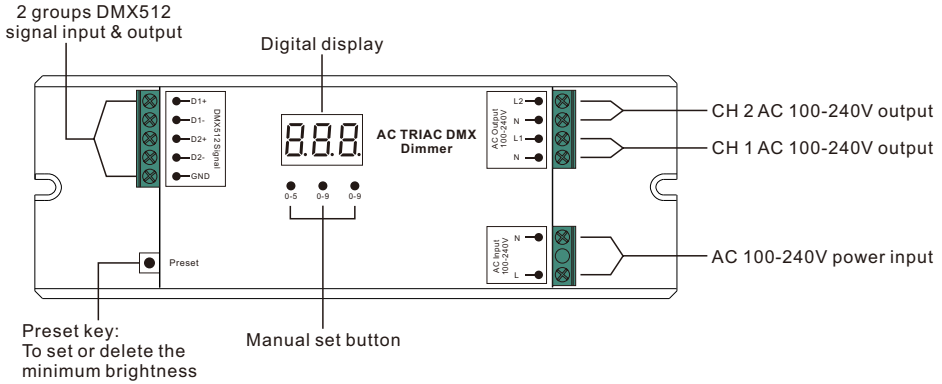
AC TRIAC DMX512 Dimmer

70060015

CE RoHS COMPLIANT

Important: *Read All Instructions Prior to Installation*

Function introduction



Product Data

Input Voltage	Output Voltage	Output Current	Output Power	Size(LxWxH)
100-240VAC	2x(100-240)VAC	2x1.2A	2x(120-288)W	170x59x29mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Dimmable LED lamps	2*60W @ 100V output, 2*144W @ 240V output	Due to variety of LED lamp designs, maximum number of LED lamps per channel is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	2*60W @ 100V output, 2*144W @ 240V output	Maximum permitted number of drivers per channel is 60W/144W divided by driver nameplate power rating.
	Incandescent lighting, Halogen 240V lamps	2*120W @ 100V output, 2*288W @ 240V output	
	Low voltage halogen lighting with electronic transformers	2*60W @ 100V output, 2*144W @ 240V output	

•Safe and reliable full isolation design

•Triac dimmable and Mosfet dimmable

•Forward-phase control dimmer(TRIAC) & Reverse-phase control dimmer both available

•Supports resistive loads and capacitive loads

•Great compatibility with a variety of DMX512 controls

•Innovative minimum brightness setting function

•To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights

• Waterproof grade: IP20

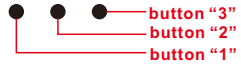
Safety & Warnings

• DO NOT install with power applied to device.
• DO NOT expose the device to moisture.

Operation



This DMX controller can work under two different modes: DMX decoder mode and standalone mode. Under DMX decoder mode, it receives standard DMX512 signal input and shall be controlled by a DMX master controller. Under standalone mode, it can be controlled manually via the manual set buttons.





Choose mode

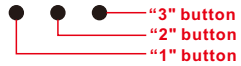
Press and hold down both button " 1 "and button " 2 " until digital display flashes ru, click button "3 " to choose ru1 or ru2 mode. ru1 means stand-alone mode and ru2 means DMX decoder mode. Press and hold down any button for over 2 seconds to confirm setting.





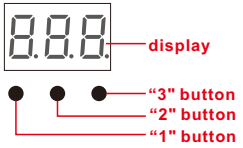
Operation under DMX decoder mode

Under DMX decoder mode ru2, it is just a standard DMX512 decoder which can be controlled by DMX512 master. The operations under this mode are as follows:



1. How to set its DMX512 decoder address:

Hold any one of the three buttons(for example button 1) until the display flashes, then press button 1, 2, 3 to set the DMX512 address, then hold any one of the buttons until the flashing stops to confirm the address.



2. How to set DMX channel:

Hold button 2 & 3 together until the display “cH” flashes, then press button 1 to choose 1cH or 2cH or 3cH output, then hold any one of the buttons to confirm it.1 cH=1 DMX address for all outputs, 2cH=2 DMX addresses for all outputs After the device correctly connected and power on. You can do below settings: the factory defaults is 2cH for 2 outputs.

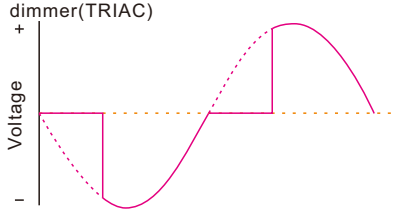
3. Choose dimming way:

Hold button 1 and 3 simultaneously until the display flashes, then press button 2 to select  or  , then hold any one button to confirm.

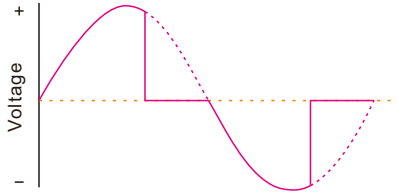
 Reverse-phase control dimmer

 Forward-phase control dimmer(TRIAC)

Forward-phase control dimmer(TRIAC)



Reverse-phase control dimmer



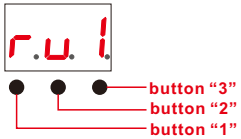
4. Set the minimum dimming brightness point.

The factory dimming range is 1%~100%, but the 0% can be can be re-set as below:

Operate the DMX master to dim the light to any brightness you want, then press and hold down the Preset button ● until the light flashes, which means the minimum point is set at this brightness now. You can not dim lower than this brightness point. The minimum point will be covered by repeating doing that.

How to reset it to factory defaults: dim up light to 100% , then press Preset button until the light flashes.

The dimming range of this dimmer is 1%-100%, but some load types may flicker when dimmed to 1%, thus a minimum brightness shall be set higher than 1% to avoid flickering during dimming process.



Operation under stand-alone mode

Under stand-alone mode ru1, it can be operated as a independent led controller and can not accept DMX512 signal input. Once choose stand-alone mode ru1, keep clicking button “1”, you can get the menus as follows:



Select static mode

c-2 is to select static mode, click button “3” to select from 0-8.



Adjust running speed

S-9 is to choose running speed for running modes, click button “3” to select from 0-9, ”0”is the fastest speed, “9”is the slowest speed.



Select running mode

P-9 is to choose a running mode, click button “3” to select from 0-9 and get total 9 dynamic running effects in this way: effect 1-pause-effect 2-pause-effect 3-pause...-effect 9-pause.



Set brightness for the running mode

B-4 is to set brightness for the running mode, click button “3” to select from 0-8 to get total 9 level brightness of the color changing effects, cycling,”0” is off, ”1”is the lowest brightness,”8”is the highest brightness.

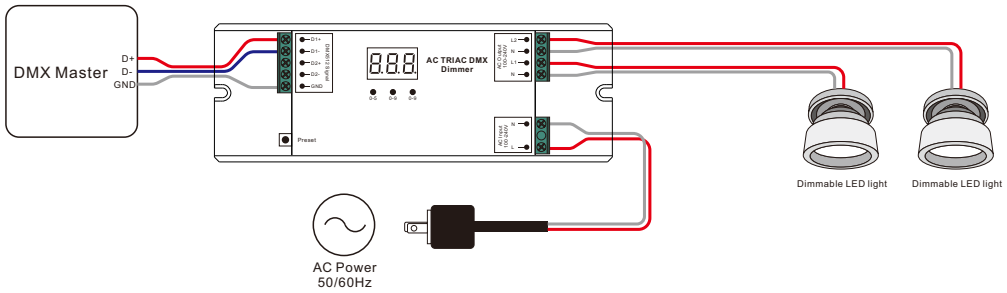


Manually turn off the loads

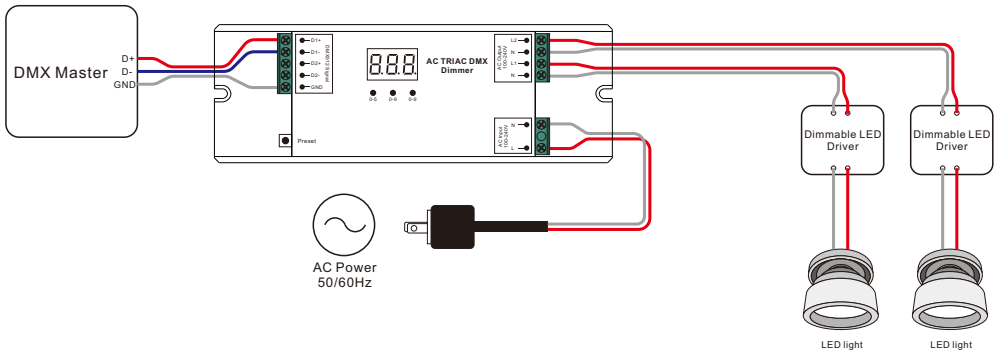
Press and hold any of the 3 buttons under any of the above menus to turn off the loads, the digital display will show HoF, press and hold any of the 3 buttons again, the loads will be turned on and return to the status before turned off, and the digit display will return to the status before the loads were turned off.

Wiring Diagram

(1)With dimmable LED light



(2)With dimmable LED driver



This phase dimmer adopts both leading edge dimming (forward phase control) and trailing edge dimming (reverse phase control), please make sure the connected loads support either of the control methods. Please refer to the user manual of the load or consult the supplier of the load.

Product Dimension

