

AC Triac DMX Dimmer

CE ROHS



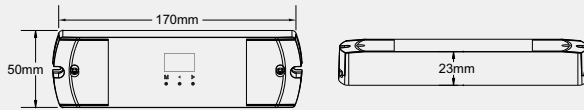
Technical Parameters

- Input voltage: 100-240VAC
- Output voltage: 2 x 100-240VAC
- Output current: 2 x 1.2A
- Output power: 100-288W
- Decode number: 1/2 DMX Channel
- Dimming range: 0-100%
- Working temperature: -30°C~55°C
- Product size: L170×W50×H23mm
- Net weight: 130g

Summary

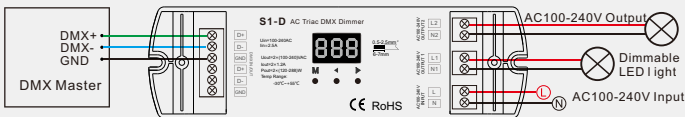
- AC Triac DMX512 dimmer, two channel output.
- With standard DMX512 compliant interface, DMX address can be set easily and shown on the digital numeric display.
- It can also work as stand-alone 2 channel dimmer, each channel adjust brightness independently, and save up to 8 groups brightness.
- Triac dimmable and Mosfet dimmable.
- Leading edge dimming or trailing edge dimming set by key.
- Minimum brightness set by key.
- To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights.

Dimension

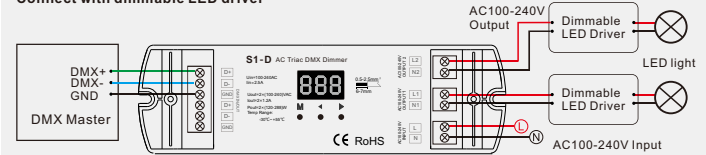


Wiring diagram

Connect with dimmable LED light



Connect with dimmable LED driver

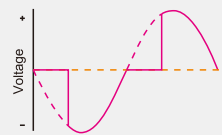


Key Function

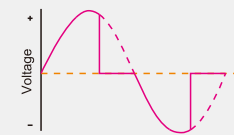
System parameter setting

- Long press M and ◀ key for 2s, prepare for setup system parameter: decode mode, control method, minimum brightness curve, automatic blank screen. short press M key to switch four item.
- Decode mode: short press ◀ or ▶ key to switch one-channel decode("d-1"), or two-channel decode("d-2"). For one channel decode, two outputs are same.
- Control method: short press ◀ or ▶ key to switch forward-phase("C-F") or reverse-phase("C-R").

Forward-phase control dimmer(TRIAC)



Reverse-phase control dimmer



- Minimum brightness: short press ◀ or ▶ key to set minimum brightness, from 1% to 40%("b01" to "b40"). You need set suitable minimum brightness to avoid flick.
- Automatic blank screen: short press ◀ or ▶ key to switch enable ("bon") or disable("bo") automatic blank screen.
- Long press M key for 2s or timeout 10s, quit system parameter setting.

DMX mode

- Short press M key, when display 001~999, enter DMX mode.
- Press ◀ or ▶ key to change DMX decode address(001~999), long press for fast adjustment.



DMX mode
(001~999)

Stand-alone dimmer mode

- Short press M key, when display L-1~L-8, enter stand-alone dimmer mode.
- Press ◀ or ▶ key to change dimmer mode number(L-1~L-8).
- Each dimmer mode can adjust each channel brightness independently. Long press M key for 2s, prepare for setup two channel brightness. Short press M key to switch two channel.

- Press ◀ or ▶ key to setup brightness value of each channel. Long press M key for 2s, or timeout 10s, quit setting.



- Another way to setup channel brightness: Enter DMX mode, long press M key for 2s will save current decode value.

Stand-alone dimmer mode
(L-1~L-8)

Stand-alone dynamic mode

- Short press M key, when display P-1~P-4, enter stand-alone dynamic mode.

- Press ◀ or ▶ key to change dynamic mode number(P-1~P-4).

- Each mode can adjust speed and brightness.

Long press M key for 2s, prepare for setup mode speed, brightness.

Short press M key to switch two item.

Press ◀ or ▶ key to setup value of each item.

Mode speed: 1-10 level speed(S-1, S-9, S-F).

Mode brightness: 1-10 level brightness(b-1, b-9, b-F).

Long press M key for 2s, or timeout 10s, quit setting.



Stand-alone dynamic mode
(P01~P30)



Speed (8 level) Brightness (10 level,100%)

dynamic mode list

No.	Name
P-1	2ch light on/off synchronously
P-2	2ch single light on/off in sequence
P-3	2ch light fadein and fadeout synchronously
P-4	2ch light fadein and fadeout in sequence

Restore factory default parameter

- Long press ◀ and ▶ key for 2s, restore factory default parameter, display"RES".
- Factory default parameter: DMX decode mode, DMX first address is 1, two channel decode, reverse-phase control, 10% minimum brightness, dimmer mode number is 1, dynamic mode number is 1, disable automatic blank screen.

Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong brightness	1. DMX decode address error.	1. Set correct decode address.

Safety & Warnings

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller, please ensure good ventilation.
4. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
5. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

Warranty Agreement

1. 5-year warranty:

- The warranty is for free repair or replacement and covers manufacturing faults only.
- Do not include fees of on site maintenance and consumable parts.

2. Limited Warranty

- Artificial damage caused by improper use, such as use inappropriate power supply, improper accessories, improper installation, did not follow the instructions, error using or negligence.
- Any damages caused by force majeure, such as natural disaster, abnormal voltage.
- The normal use of products caused by aging, wear and tear, but it does not affect the normal use.