USER MANUAL
DMX Relay R12

V1.0

2025/06/26

Showven Technologies Co., Ltd .

Thanks for choosing SHOWVEN DMX Relay R12, we wish it will bring you lots of exciting moments.
Please read the following manual carefully before operating this product.

△ Safety Instructions

**** The device must be grounded, when replacing the fuse, always replace with the same type.

**** Do not allow any flammable materials, water or metal objects enter the machine.

**** Please keep the device dry.

**** For professional use only, and keep away from children.

**** Do not expose to water and/or high humidity. Use between -10℃ to 50℃.

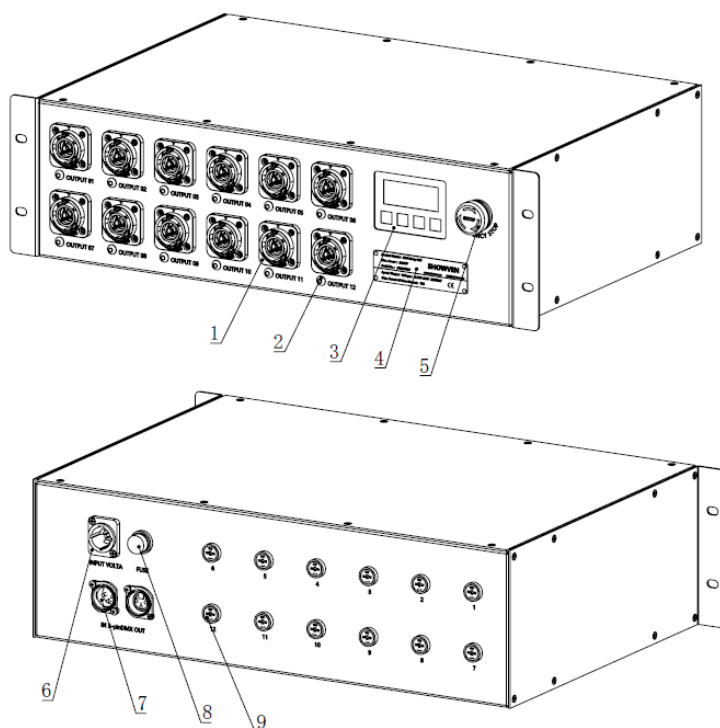**** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself.

△ Description

The DMX Relay R12 allows sfx technicians to add DMX control to any switchable device which not include onboard DMX such as CO2 jet, confetti blasters etc. It can convert the DMX signal from the master console into a voltage signal for output. DMX Relay R12 maximum support 12units of switchable devices.
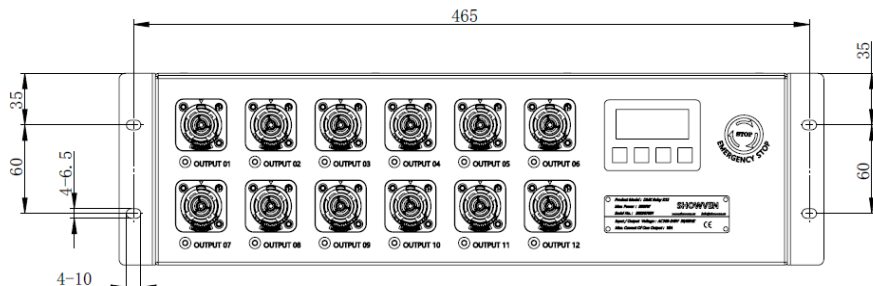
△ Technical Specifications

\ DIMENSION: 485×330×130mm

\ WEIGHT: 7kg

\ MAX. OUTPUT POWER: 3800W

\ HOUSING MATERIAL: 304 stainless steel

\ INPUT VOLTAGE: AC100-240V, 50/60Hz

\ VOLTAGE OUTPUT: AC100-240V, 50/60Hz

\ VOLTAGE OUTPUT INTERFACE: 12

\ MAX. OUPUT CURRENT/OUTPUT: 10A

\ CONTROL: DMX

\ POWER INPUT CONNECTOR: Neutrik NAC3PX-TOP

\ VOLTAGE OUTPUT CONNECTOR: Neutrik NAC3FPX-TOP * 12
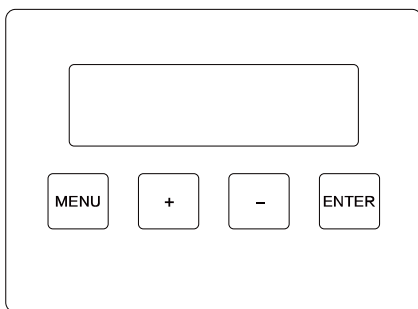
△ Structure

1. Voltage output interface (12)
2. Output indicator light (12)
3. LCD operational panel
4. Label
5. E-Stop button
6. Power IN
7. 3-PIN DMX
8. Self-resetting main fuse
9. 10A fuse (12)

Installation hole diagram

△ Display and setting

1. Control button area:

MENU: Press to switch through menu, press and hold for 3s enter advanced menu
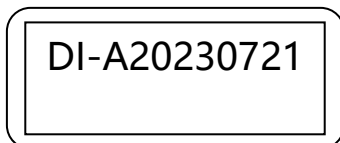
+ : Parameter up

- : Parameter down

ENTER: Confirm and save parameters

NOTE: Screen will switch to main interface automatically if not press any button in about 15s.

2. Welcome interface:

DI-A20230721

Display product model and software version.

3. Main interface:

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DMX :            1
Channel:   12CH
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First Line: DMX address
Second Line: DMX channel mode 12CH

4. Main Menu:

Press "MENU" enter main menu interface and switch through different items
NOTE: DMX address and Safety Address can't overlap.

Options	Range	Default	Explanation
DMX Address	1-499	1	Set DMX Address
DMX Channel Mode	12CH / 12CH-P	12CH-P	DMX channel mode
Safety Address	13-512	13	Individual safety address setting, when DMX channel mode is 12CH, this item is hidden
Language	中文/English	English	Language switch

5. DMX Control:

DMX Relay R12 with 2 different channel mode: 12CH-P and 12CH.

12CH-P:

In this channel mode DMX Relay R12 occupies 12 functional channels CH1 to CH12 and 1 separate safety channel CH-S (this channel is independent from operational channel, can be shared with other device).

Channel	Function	Value
CH1	OUTPUT 1 ON/OFF control	0~99: OFF 100~255: ON
CH2	OUTPUT 2 ON/OFF control	
CH3	OUTPUT 3 ON/OFF control	
CH4	OUTPUT 4 ON/OFF control	
CH5	OUTPUT 5 ON/OFF control	
CH6	OUTPUT 6 ON/OFF control	
CH7	OUTPUT 7 ON/OFF control	
CH8	OUTPUT 8 ON/OFF control	
CH9	OUTPUT 9 ON/OFF control	
CH10	OUTPUT 10 ON/OFF control	
CH11	OUTPUT 11 ON/OFF control	
CH12	OUTPUT 12 ON/OFF control	
CH-S	Output enable / disable	0~49 and 201~255: disable output 50~200: enable output

12CH:

In this channel mode DMX Relay R12 occupies 12 functional channels CH1 to CH12.

Channel	Function	Value
CH1	OUTPUT 1 ON/OFF control	**0~99:** OFF **100~255:** ON
CH2	OUTPUT 2 ON/OFF control	
CH3	OUTPUT 3 ON/OFF control	
CH4	OUTPUT 4 ON/OFF control	
CH5	OUTPUT 5 ON/OFF control	
CH6	OUTPUT 6 ON/OFF control	
CH7	OUTPUT 7 ON/OFF control	
CH8	OUTPUT 8 ON/OFF control	
CH9	OUTPUT 9 ON/OFF control	
CH10	OUTPUT 10 ON/OFF control	
CH11	OUTPUT 11 ON/OFF control	
CH12	OUTPUT 12 ON/OFF control	

⚠ **Warranty Instructions**

\ Sincere thanks for your choosing our products, you will receive quality service from us

\ The product warranty period is one year. If there are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you

\ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission

Below situations NOT included in warranty service:

\ Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;

\ Disassemble, modify or repair products without permission;

\ Damage caused by external reasons (lightning strike, power supply etc.)

\ Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service.

Invoice is necessary when applying for maintenance service from SHOWVEN®.

SHOWVEN®