6. Manual control

(1) Push the Master fader to the top.
(2) Use channel fader 1~24 to adjust the brightness value of each channel.
(3) Dial the DIAL/ENTER wheel to check the brightness value of channel 1~24.

7. Save the Submasters

(1) Push the Master fader to the top.
(2) Use channel fader 1~24 to adjust the brightness value of each channel.
(3) Press and hold the DIAL/ENTER wheel, then press one of the Submasters keys 1-6 to save the central control (all LEDs on the panel flash)

8. Connect to central control

(1)Connect the RS232 interface of the Dimmer 24 to the central control system with an RS232 cable.
(2)Description of central control command code:
Baud rate: 9600

	Hexadecimal	Decimal
	9A 00 00 00 00 00 00 34	9A 00 00 00 00 00 00 52
Submaster ①	9A +1 00 00 00 00 00 34	9A +1 00 00 00 00 00 52
Submaster ②	9A +2 00 00 00 00 00 34	9A +2 00 00 00 00 00 52
Submaster ③	9A +4 00 00 00 00 00 34	9A +4 00 00 00 00 00 52
Submaster ④	9A +8 00 00 00 00 00 34	9A +8 00 00 00 00 00 52
Submaster ⑤	9A +10 00 00 00 00 00 34	9A +16 00 00 00 00 00 52
Submaster ⑥	9A +20 00 00 00 00 00 34	9A +32 00 00 00 00 00 52

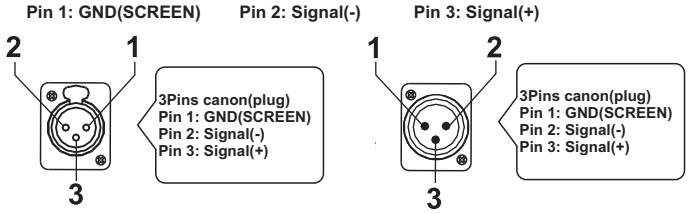
For example:

* When calling Submaster ⑤, add 10 (hexadecimal) or 16 (decimal) to the second digit "00" of the command code, that is, the command code issued by the central control is:
9A 10 00 00 00 00 00 34 (Hexadecimal) or 9A 16 00 00 00 00 00 52 (Decimal)
* When calling Submaster ④ and ⑤, plus 8 and plus10 (hexadecimal) or 8 plus 16 (decimal) to the second digit "00" of the command code, that is, the command code sent by the central control is: 9A 18 00 00 00 00 00 34 (Hexadecimal) or 9A 24 00 00 00 00 00 52(Decimal)

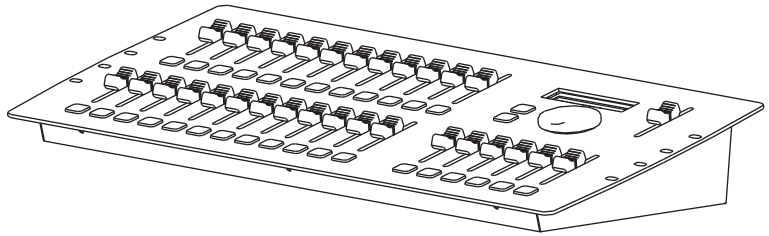
9.master-slave configuration

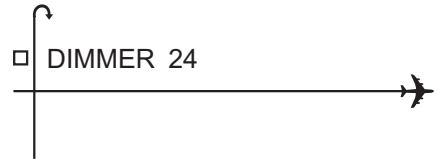
* Connect the LINK TO MASTER interface of the **Slave 1** to the SLAVE 1 interface of the **Master** with an RJ45 network cable;
* Connect the LINK TO MASTER interface of the **Slave 2** to the SLAVE 2 interface of the **Master** with an RJ45 network cable;
* Connect the LINK TO MASTER interface of the **Slave 3** to the SLAVE 3 interface of the **Master** with an RJ45 network cable;

10.The pinout appears below:



DMX 512 DIMMER CONSOLE SERIES





Version: 1. 1 2021. 09.09

User Manual

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

1. Introduction

This Dimmer 24 adopts the standard DMX 512/1990 Standard protocol. It has 24 channel faders, 24 Flash buttons, 6 Submaster faders, 6 Submaster buttons, 1 Master faders and 24 dimming channels with completely isolated output. You can connect central control to playback the Submasters. Support Master and Slave setting to expand the channel, which can be expanded to 96 channels

2. Technical Parameter

* DMX 512/1990 Standard
* 24 DMX channels with optical isolated output
* 24 channel faders, 24 Flash buttons
* 6 Submaster faders, 6 Submaster buttons
* 1 Master faders
* RS232 connect central control
* You can dial the wheel to check the current channel value.Press and hold the wheel and then press the Submaster button to save the Submaster
* Support Master and Slave setting to expand the channel, which can be expanded to 96 channels
* Use Fine+ and Fine- buttons to adjust the value of current channels
* LCD display
* Power failure memory
* DMX output: XLR-D3F
* Dimension: 482 x 265 x 75 mm
* Voltage input: AC88～256V 50/60Hz
* Net weight: 2.65KG

3.Safety rules

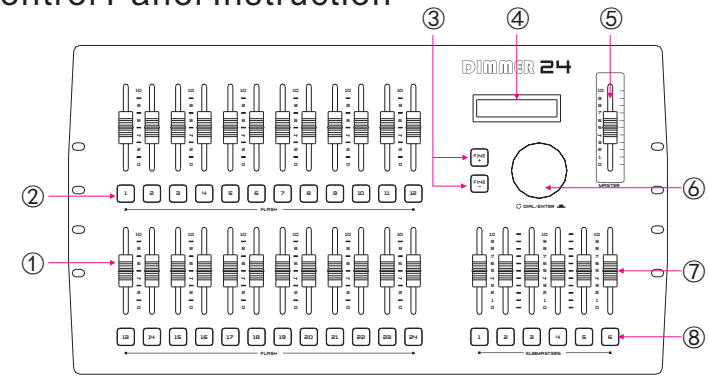
Before operating, please read the User Manual completely. That would be necessary and helpful for you to use the unit more availably and effectively. The following rules give important information regarding safety during use and maintenance:

* Keep the unit dry, do not expose it to water or high levels of humid.
* Don't try to dismantle or modify the product without any authorized permission.
* Keep the unit away from magnetic fields when operating.
* Do not make any inflammable liquids or metal objects enter the unit.
* Handle this product with great care, any strong shocks or vibration may result in malfunction.
* This unit must only be operated by adults, do not allow children to tamper or play with it.
* Should any liquid be spilled on the unit, disconnect the power supply to the product immediately.

4.Contents in the package

* Dimmer 24	1PC
* AC Adaptor	1PC
* User Manual	1PC

5. Control Panel Instruction



①**Channel fader 1~24:** used to control the brightness value of each channel

②**Flash button:** Press the Flash button to output the channel value. Press one of the flash keys, it means that channel value will be set to the maximum immediately, and the value of the current fader position will be restored after releasing it.

③**Fine-/Fine+ buttons:** Fine-tune the current dimming channel

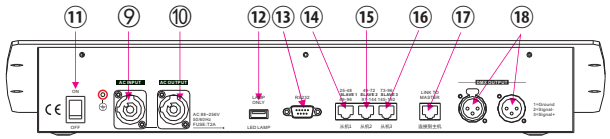
④**Display:** used to show the contents of various parameters

⑤**Master fader:** Master fader of brightness value.

⑥**DIAL/ENTER wheel:** Dial the DIAL/ENTER wheel to select or check the contents. Press DIAL/ENTER wheel to confirm saving Submasters.

⑦**Submaster fader 1-6:** used to control the brightness value of Submaster.

⑧**Submaster button 1-6:** Press the Submaster button to output the Submaster.Press one of the flash keys, it means that channel value will be set to the maximum immediately, and the value of the current fader position will be restored after releasing it.



⑨**AC INPUT:** used to input the power AC88~256V 50/60Hz.

⑩**AC OUTPUT:** used to output the power AC88~256V 50/60Hz.

⑪ **POWER SWITCH:** used to turn on/off the Dimmer 24.

⑫ **LAMP ONIY:** LED lamp interface.

⑬**RS232 interface:** connect central control to playback the Submasters

⑭ **SLAVE 1 interface:** When this Dimmer console as a Master, use a network cable to connect this interface and Slave 1 unit, and the extended channel is 25-48.

⑮ **SLAVE 2 interface:** When this Dimmer console as a Master, use a network cable to connect this interface and Slave 2 unit, and the extended channel is 49-72.

⑯ **SLAVE 3 interface:** When this Dimmer console as a Master, use a network cable to connect this interface and Slave 3 unit, and the extended channel is 73-96.
（Note: 49-96 97-144 145-192 is used for Dimmer 48)

⑰ **LINK TO MASTER interface:** When this Dimmer console as a Slave, use this interface to connect to the host.

⑱ **DMX OUTPUTS:** used to connect the DMX lightings.