User Manual

Unpacking: Thank you for your purchasing our wireless dmx LED light. In order to proper use and operate the unit, please read the manual carefully before you use. There are important safety operation advice and operation instruction in this manual, please keep the manual properly for future use. Every unit has been strictly tested before shipment, wonderful programme has been built-in as well when shipped. Please check all the accessories inside the box (list is attached). If the carton was damaged during transportation, and the accessories are lost or working improperly, please contact our after sales department before you return the products.

Attention:

Please make sure the power is connected to earth properly before use to avoid electric shock.

The unit is indoor use only. Make sure no water, no wet or no vibration, the stable working environment is 0-35 degree.

Warranty label should not be tore off, or the warranty will not be responsible.

If there are problems in the unit, please contact our after sales department directly, staff not from our company or authorized persons are not allowed to dismount the unit.

Please don't throw away the packing materials, when there is problem, the unit can be packed using the original parking materials and returned to our after sales department.

Lighting Specs:

Working Voltage : AC 100-240V, 50-60Hz

Power: 45W

LED type: 6 1W Red, 6 1W Green, 6 1W Blue, 6 1W White

Bean Angle: 50 degree

Control Mode: Wireless DMX, Auto, Manual, Sound

DMX Channel: Mode A: 24 CH Mode B: 7 CH

Connection: DMX (3 Pin XLR)

Net Weight: 4.5Kgs

Dimensions: 460(L) x 120(W) x 340(H) mm

Wireless DMX Specs:

Tricolor LED displaying

126 channels automatical jumping frequency, high anti-jamming ability to ensure working reliability.

7 groups ID code settable, User can use 7 groups individual wireless net without any interfere each other in the same place.

Communication distance: 700M

Work frequency section: 2.4GHz ISM band,126 channels frequency section.

Max transmitting power rate: 20dBm

Receiver sensitive: -94dBm

Function Setup

Working Mode:

To receive data from DMX controller or Master unit.
AutoMode --- The unit will automatically chase through the different colors (18 effects).
MaulMode --- The unit will work manually as desired.
SoudMode --- The unit will react to sound, chasing through the built in programs.
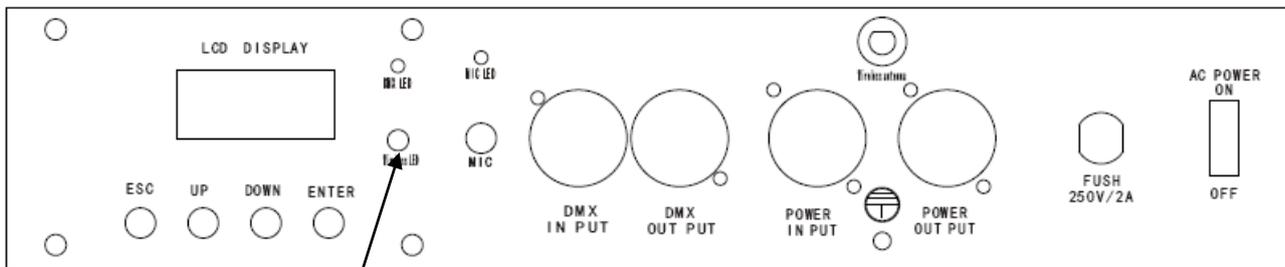sys_set --- To set all parameters

Button and LED indicators positions:

High power individual controllable LED, using 4 buttons and LCD display for operation menu.
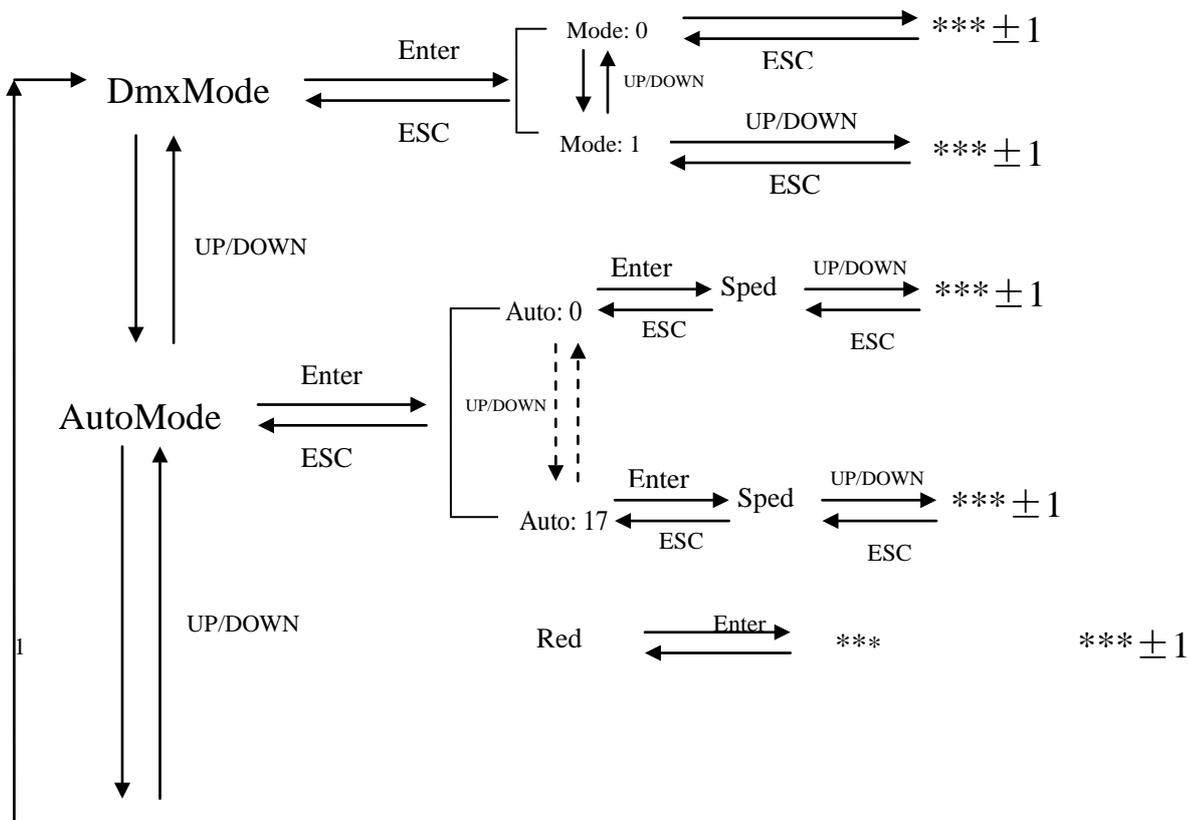
Press ESC to get back to last menu.
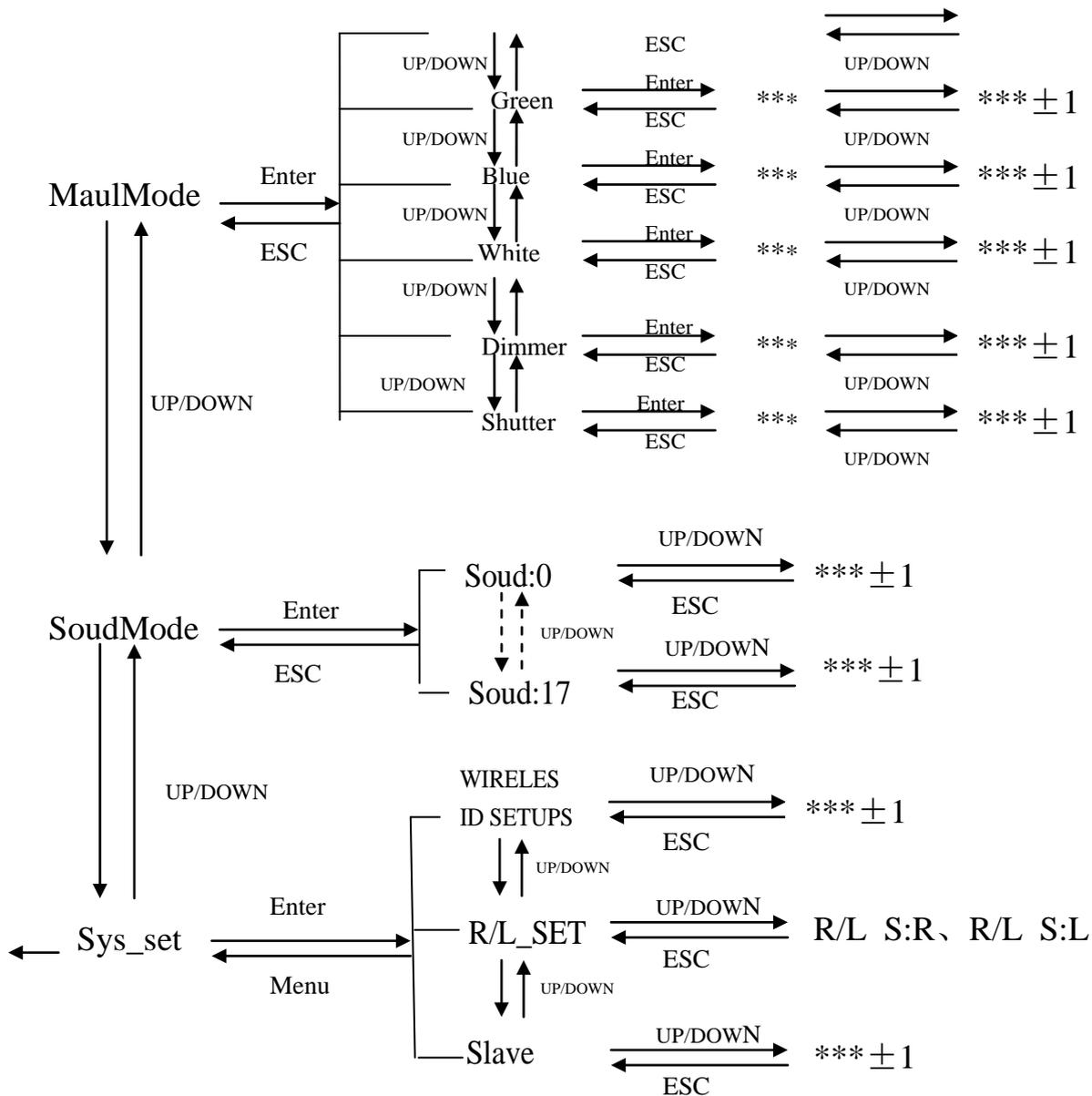
Press ENTER to get into function menu.

Press Down, UP to edit current parameter.

Wireless ID indicator

Menu Operation

MaulMode — Enter → / ← ESC —
- Green — UP/DOWN — Enter → / ← ESC — *** — UP/DOWN → / ← — ***±1 — UP/DOWN
- Blue — UP/DOWN — Enter → / ← ESC — *** — UP/DOWN → / ← — ***±1 — UP/DOWN
- White — UP/DOWN — Enter → / ← ESC — *** — UP/DOWN → / ← — ***±1 — UP/DOWN
- Dimmer — UP/DOWN — Enter → / ← ESC — *** — UP/DOWN → / ← — ***±1 — UP/DOWN
- Shutter — UP/DOWN — Enter → / ← ESC — *** — UP/DOWN → / ← — ***±1 — UP/DOWN

MaulMode ↕ UP/DOWN SoudMode

SoudMode — Enter → / ← ESC —
- Soud:0 — UP/DOWN → / ← ESC — ***±1
- ⋮ UP/DOWN
- Soud:17 — UP/DOWN → / ← ESC — ***±1

SoudMode ↕ UP/DOWN Sys_set

Sys_set — Enter → / ← Menu —
- WIRELES ID SETUPS — UP/DOWN → / ← ESC — ***±1
- ↕ UP/DOWN
- R/L_SET — UP/DOWN → / ← ESC — R/L S:R、R/L S:L
- ↕ UP/DOWN
- Slave — UP/DOWN → / ← ESC — ***±1

Note:

When to receive wireless dmx signal, through Sys_set --- WIRELESS ID SETUPS, you can set ID code, when the color of the ID indicators from both transmitting and receiving ends are the same, the communication is setup successfully.

Through Sys_set --- R/L_SET, you can choose via wire or wireless to receive signal. When choose R/L_S:R, via wireless to receiver signal. When choose R/L_S: L, via wire to receive signal, then using cable to connect all lights.

Address Code calculation

$$ADDR = CH\_NUM \times N + 1$$

CH_NUM: Allocated DMX Channels, CH_NUM>=24

N: Loop No., N=0,1,2,3……

For example: Each loop allocated 36 DMX channels

No.0 Loop ADDR = 1   No.1 Loop ADDR = 25

No.2 Loop ADDR = 49   No.3 Loop ADDR = 93

Wireless ID setup

<center>**Sys_set --- WIRELES ID SETUPS**</center>

Press SETUP, UP OR DOWN at present mode to display current ID, press again to setup new ID, ID value will be added 1 more by pressing one time, ID indicator color will change according one by one.

Working Status:

- LED constant light: Showing current ID, no DMX or wireless signal
- RED LED flash: Transmitting
- Green LED flash: Receiving

ID code and LED color corresponding relationship:

- 1：RED
- 2：GREEN
- 3：RED+GREED---------------Yellow
- 4：BLUE
- 5：RED+BLUE------------------Purple
- 6：GREEN+BLUE--------------Cyan
- 7：RED+GREED+BLUE------White

Slave Setup

<center>**Sys_set   slave**</center>

At present mode, press ENTER, UP or DOWN to setup Slave mode, choose slave mode, its output is the same as that of the Master Unit.

DMX Control Channels Table (DMX Mode A)

DMX CH	Function	DMX512 Value	Descriptions
CH1	Red Dimming	0～255	Red Dimming 0% - 100%
CH2	Green Dimming	0～255	Green Dimming 0% - 100%
CH3	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH4	White Dimming	0～255	White Dimming 0% - 100%
CH5	Red Dimming	0～255	Red Dimming 0% - 100%
CH6	Green Dimming	0～255	Green Dimming 0% - 100%
CH7	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH8	White Dimming	0～255	White Dimming 0% - 100%
CH9	Red Dimming	0～255	Red Dimming 0% - 100%
CH10	Green Dimming	0～255	Green Dimming 0% - 100%
CH11	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH12	White Dimming	0～255	White Dimming 0% - 100%
CH13	Red Dimming	0～255	Red Dimming 0% - 100%
CH14	Green Dimming	0～255	Green Dimming 0% - 100%
CH15	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH16	White Dimming	0～255	White Dimming 0% - 100%
CH17	Red Dimming	0～255	Red Dimming 0% - 100%

CH18	Green Dimming	0～255	Green Dimming 0% - 100%
CH19	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH20	White Dimming	0～255	White Dimming 0% - 100%
CH21	Red Dimming	0～255	Red Dimming 0% - 100%
CH22	Green Dimming	0～255	Green Dimming 0% - 100%
CH23	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH24	White Dimming	0～255	White Dimming 0% - 100%

DMX Control Channels Table (DMX Control Mode B)

DMX CH	Function	DMX512 Value	Descriptions
CH1	DMX Mode	0～10	DMX Effect Selection
	Auto Mode	11～170	18 Effects for selection
	Sound Mode	171～255	18 Effects for selection
CH2	Red Dimming	0～255	Red Dimming 0% - 100%
	Auto Speed Adjusting	0～255	Speed Adjusting (Auto Mode Only)
CH3	Green Dimming	0～255	Green Dimming 0% - 100%
CH4	Blue Dimming	0～255	Blue Dimming 0% - 100%
CH5	White Dimming	0～255	White Dimming 0% - 100%
CH6	Overall Dimming	0～255	Overall Dimming 0% - 100%
CH7	Strobe Speed Adjusting	0～255	0～10: No Strobe 11～25: Strobe Speed from fast to slow

Operation Instructions

General Operation

Setup Mode: Setup working mode as per the real situation of the client. If it is DMX mode, the DMX address of the unit should be set as well.

Control cable connection: Connect DMX control cable and the DMX controller, if it is one unit, no cable is required.

Connect to power: The system will run the previous saved working mode.

If in DMX mode, you can use DMX controller to edit and control programme effects. If in Auto mode, then the unit will run built-in programmes. If in AaulMode, then you can change all parameters when in Red, Green, Blue and White modes.

Individual Mode

In Individual Mode --- Auto mode or Manual Mode or Sound Mode, no controller and cable required, running the built-in programmes inside auto or manual or sound modes.

Setup working modes, like AutoMode, and setup the parameter of Sped, MaulMode, SoudMode.

Connect to power, system will run the previous saved working mode.

If in SoudMode, running programmes as per outside heavy or light sound, if in AutoMode, then running built-in programmes, if in MaulMode, then you can choose all kinds of effects manually.

Master/Slave Mode

Master/Slave mode --- Auto or Manual or Sound modes, no controller required, when running the programmes of auto or manual modes, master unit controls salve unit to achieve synchronizing effects.

Setup working modes, like AutoMode, and setup the parameter of Sped, MaulMode, SoudMode.

Cable connecting: Use XLR-XLR control cable to connect the input connection of the first salve unit from the DMX output connection of the master unit, then connect the input connection of the second slave unit from the DMX output of the first slave unit, and so on, until all salve units are connected.
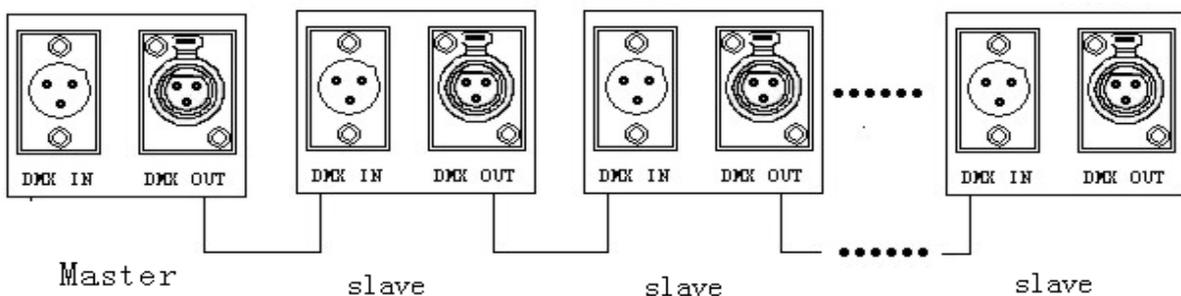
When there is no control cable, the units can communicate with each other via wireless, the preconditions are the ID codes of the master unit and the slave unit should be the same.

Connect to power, system will run the previous saved working mode.

If in SoudMode, running programmes as per outside heavy or light sound, if in AutoMode, then running built-in programmes, if in MaulMode, then you can choose all kinds of effects manually.

Note: If there are more than one master unit or connecting with DMX512 controller, the slave units will work improperly.

Connecting Diagram of Master/Slave Mode

DMX mode

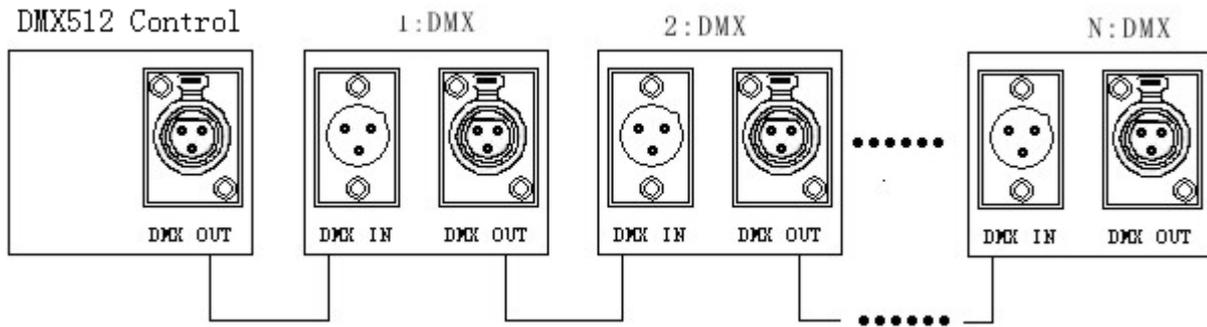DMX mode, international standard DMX512 controller is required to use for control.

Setup the working mode: DMXMode

Cable connecting: Use XLR-XLR control cable to connect the input connection of the first salve unit from the DMX output connection of the master unit, then connect the input connection of the second slave unit from the DMX output of the first slave unit, and so on, until all salve units are connected.

When there is no control cable, the units can communicate with each other via wireless, the preconditions are the ID codes of the master unit and the slave unit should be the same.

Connect to power, system will run the previous saved working mode.

Use controller to control.

Connecting Diagram of DMX mode

User instruction and safety regulation:

Recommended to use:

Read the user manual and labels on the lighting carefully before use.
Please use the unit where there is no rain.
When using, keep away of hot source, high pressure, avoid kids, never throw or hit the unit.
When not using the unit for long term, please save the unit properly in a dry place.
Please bury the used unit, never throw to fire or water.