## Feature

- Meet RDM(2009) protocol , compatible with DMX 512 (1990)
- Can be combined with supporting software scanning RDM equipment, set their start address, read their parameters
- Liquid crystal display visual display the current state
- Support buttons long press ,short press and Anti-shake
- 256 levels of grey, totally 16.77 million colors, really full color.
- Built-in 30 kinds of fixed mode, keep 5 kinds of custom mode for users to edit
- Parameters are automatically saved, power off is not lost
- By supporting software, we can easy update the changing effect
- Support for multiple output interface: female XLR - 3, RJ45
- Set aside a 3 line input terminals, can communicate with the glass panel to do the custom control

Technical parameter

Input Voltage：   5VDC
Power Consumption：   < 5W
Transmission signal：   RDM (2009), DMX512 (1990)
Transmission speed：   250Kbps
Pixels：   Depend on channels of lamp.
Lamp type can be controlled： Wall washing light, Tube light, Cube light etc.
Description   Fixed 30 modes, such as flash, fade, stream, chase, etc.
Size：   132(mm)*105(mm)*48(mm)
G.W：   710g
N.W：   533g

Dimension
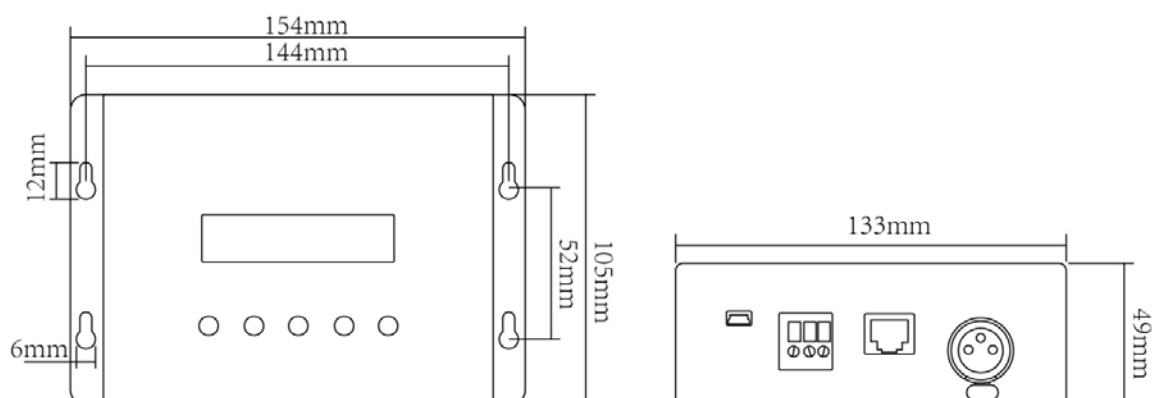
Panel schematic

- **The top panel**
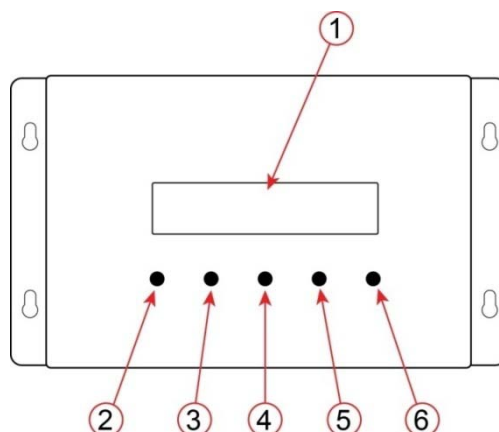
①LCD
②MODE+: Short press, add a change model cycle; long press, continue to add a change model cycle
③M ODE-: Short press, minus a change model cycle; long press, continue to minus a change model cycle
④PAUSE：Press the button, the LED keep current state
⑤LEVEL+/SPEED+: Mode1-7,Short press，brightness increase one level cycle; Long press, brightness continue to increase one level cycle; Mode 8-30, Short press, the speed cycle of LED increase one level, long press, the speed cycle of LED continue to increase one level.
⑥LEVEL-/SPEED-: Mode1-7,Short press，brightness decrease one level cycle, Long press, brightness continue to decrease one level cycle; Mode 8-30, Short press, the speed cycle of LED decrease one level, long press, the speed cycle of LED continue to decrease one level.
Note: when the press ② or ③ MODE key, which display MODE (in this controller, a total of 35 kinds of MODE) will order plus or minus change; When press the (4) the PAUSE button, the LCD will show "PAUSE" and led will hold the current state, when you press the button again, the LCD shows the current mode and speed again; When press ⑤LEVEL + / SPEED + :in mode 1-7, the brightness will increase gradually(once arrive level 255,then jump to level 0),in mode 8-30,the speed will increase gradually(once arrive 0s,then jump to 60s); When press ⑥LEVEL - / SPEED - :in mode 1-7, the brightness will decrease gradually(once arrive level 0,then jump to level 255),in mode 8-30,the speed will decrease gradually(once arrive 60s,then jump to 0s);

- **The front panel**
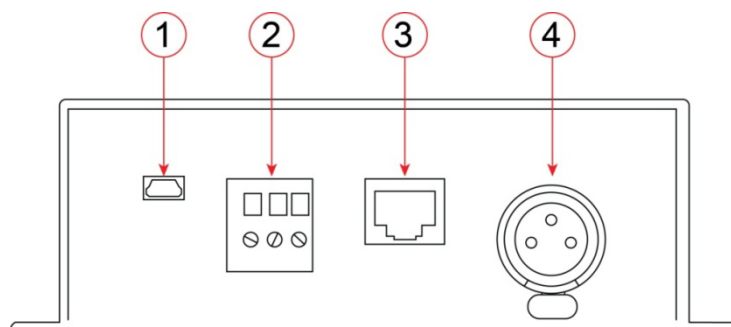
① Mini USB interface
② Three line RS485input interface
③ RJ45 output interface
④ XLR-3 female output interface

Interface Introduction

- **Input Interface**

Mini USB input interface：Used to provide 5V power supply, Supporting software and RDM100
medium of communication

RS485 three line input interface

1. GND
2. RS485 input D-
3. RS485 input D+

- **Output Interface**

RJ45 Output interface

PIN1: DATA+
PIN2: DATA-
PIN3-6: NC
PIN7-8: GND

XLR-3 Output interface

PIN1.GND
PIN2.DATA-
PIN3.DATA+

Mode List

Mode 1: Fixed Red	Mode16: Six color flash
Mode 2: Fixed Green	Mode17: RGB flash
Mode 3: Fixed Blue	Mode18: RG flash
Mode 4: Fixed Yellow	Mode19: RB flash
Mode 5: Fixed Light Blue	Mode20: GB flash
Mode 6: Fixed Purple	Mode21: R flash

Mode 7: Fixed White   Mode22: G flash

Mode 8: Seven colors fade   Mode23: B flash

Mode 9: Full colors fade   Mode24: Rainbow color strobe

Mode 10: Rainbow changing   Mode25: Six color strobe

Mode 11: Water flowing   Mode26: RGB strobe

Mode 12: Tail Chase   Mode27: RG strobe

Mode 13: Color stack   Mode28: RB strobe

Mode 14: Chase (yellow, pink)   Mode29: GB strobe
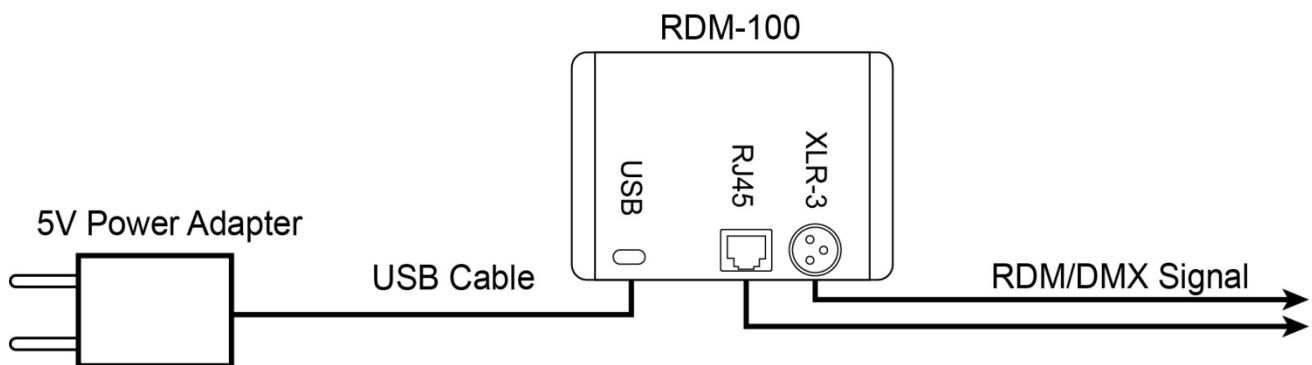
Mode 15: White flash   Moede30: White strobe

SelfMode1-5 will be introduced in the software operation sector.

Wiring Diagram

● **Live Use with computer**
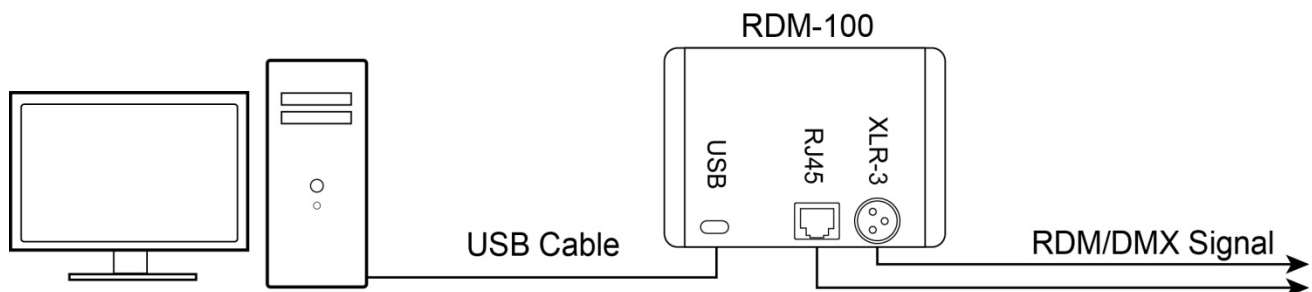
● **Stand Alone Use**

Software

RDM-100 Supporting software operation instructions see the "RDM-100 User manual"