iDMX7
User Instruction

PRODUCT DESCRIPTION

Thank you for purchasing iDMX7.
iDMX7, a simple DMX controller operated by infrared remote, can be used to record and play back DMX signal. It features four working modes, available in Auto mode, Manual mode, DMX signal recording mode and DMX playback mode. The EEPROM is used to memorize existing functions and parameters.
Please read this manual carefully before using iDMX7.

DELIVERY PACKAGE

Check for transport damage.
You should be in possession of the following items:

1 iDMX7
1 User Instruction
1 Adapter
1 Remote controller
1 Battery plate

Should you discover transport damage after unpacking the equipment, inform the hauler immediately.
Never connect a damaged device. You may also contact your supplier.

Control Remote

TECHNICAL SPECIFICATION

Power Supply DC9V 200mA
DC IN / OUT .... 2pin Green Terminal Socket
DMX IN / OUT .... 3pin Green Terminal Socket
Housing .... Polycarbonate
Listing .... CE certified
Operation Temperature .... 0 degC to + 55 degC
Storage Temperature .... -20 degC to +70 degC
Dimension .... 81.7(L) x 15.1(W) x 13(H)mm
Weight 150g

PHYSICAL DIMENSIONS
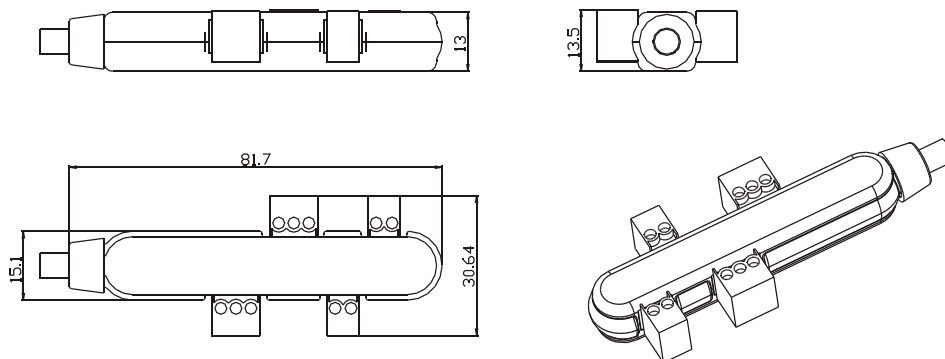
iDMX7 features four working modes, available in Manual Mode, Auto Mode, DMX Playback Mode and DMX Signal Recording Mode.

1. Manual Mode

Red effect is controlled by channel 1, 4, 7 …
Green effect is controlled by channel 2, 5, 8 …
Blue effect is controlled by channel 3, 6, 9 …
There are 510 channels in total. The R.G.B color intensity can be adjusted separately in Manual Mode.

2. Auto Mode

Directly tap the "Auto" key on IR controller to enable Auto mode.
The color intensity changes automatically in this mode.

3. DMX Playback Mode

3.1 Only stored scenes can be played back.
3.2 Directly tap the "Play" key on IR controller to play back the stored scene.
3.3 This mode is not available when there is no recorded DMX signal.

4. DMX Signal Recording Mode

In DMX Signal Recording Mode, there are two working modes: Manual DMX signal recording mode and Auto DMX signal recording mode. Another DMX controller (depicted here)_ XB-R1 is required to connect with iDMX7 before recording.

(In the process of recording DMX signal, if disconnection with XB-R1 happens, DMX Signal Recording Mode ends automatically and the unit changes to DMX playback mode.)

XB-R1
(Sold separately)

iDMX7 can record DMX as a maximum speed of 25 frames per second (512 channel). The excess of the maximum speed will result in the loss of DMX frame. Normally, the time of DMX recording is 400 seconds, the minimum DMX recording time is 200 seconds.

4.1 Manual DMX signal recording mode

4.1.1 Manual DMX signal recording mode enables: press "M.REC/S" button and hold it on for about 5 seconds to enable this mode.
4.1.2 XB-R1 plays the scene that you wish to record.
4.1.3 Press "M.REC/S" button to start to record the scene.
4.1.4 Once you've recorded the scene, press "EXIT" button to exit from existing mode and change to DMX playback mode.
If you press "EXIT" button before step 4.1.3 in this mode, the unit changes to other modes automatically.

4.2 Auto DMX signal recording mode

4.2.1 Auto DMX signal recording mode enables: press "A.REC/S" button and hold it on for about 5 seconds to enable this mode.
4.2.2 XB-R1 plays the scene that you wish to record.
4.2.3 Press "A.REC/S" button to start to record the scene.
4.2.4 Once the first and the last DMX frame of the scene have been completely displayed, the Auto DMX signal recording mode ends automatically and changes to DMX playback mode.
(You can also press "EXIT" button to exit from existing mode and change to DMX playback mode.)
If you press "EXIT" button before step 4.2.3 in this mode, the unit changes to other modes automatically.

NOTICE:

When using Auto DMX signal recording mode, please pay attention to the following rules:

1. For the scene that you wish to record, the first DMX frame and the last DMX frame shall be zero (all channels are zero) and the other frames shall not be zero.
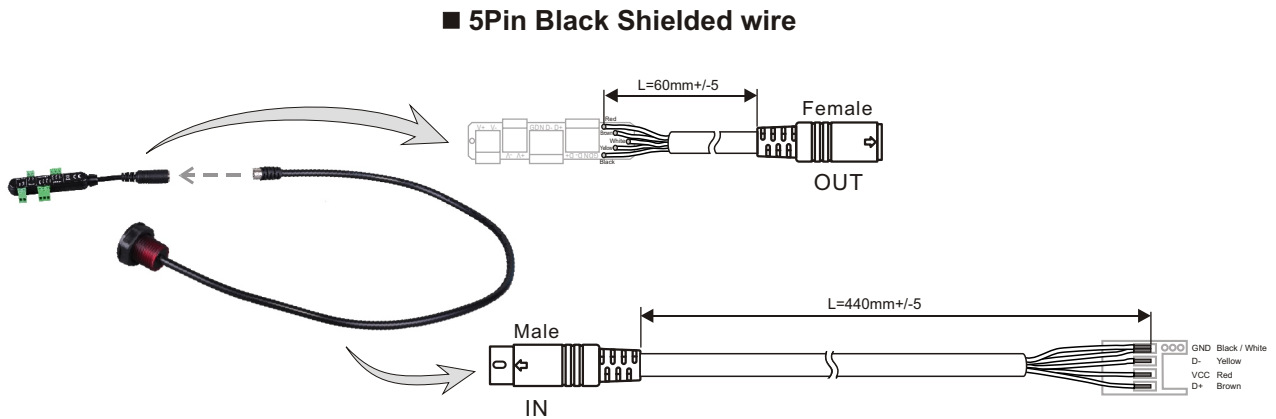
2. The first and the last DMX frame don't record anything. They are the sign of starting and ending.

5. Infrared Remote EYE (Sensor) Configuration

Before operating iDMX7, the IR EYE (Sensor) shall be connected properly.

5.1 Before connecting , please isolate the main power.
5.2 Connect IR EYE (Sensor) to iDMX7 correctly.
5.3 Turn the main power on.

■ 5Pin Black Shielded wire

L=60mm+/-5
Female
OUT

L=440mm+/-5
Male
IN

GND Black / White
D- Yellow
VCC Red
D+ Brown

NOTICE: 1. NEVER remove the IR EYE (Sensor) when powering on for preventing from damage.
2. Effective distance from the IR EYE (Sensor) to Infrared Remote Controller shall be limited within the range of 10 meters. Otherwise, it results out of control.

6. Infrared Remote Controller Configuration

Users must use the Infrared Remote Controller to operate iDMX7. All working modes and relevant parameters can be set by operating the Infrared Remote Controller.

Infrared Remote Controller

Operation Instructions

6.1 Before operation, make sure the batteries (3V, CR2025) have been installed properly.

6.2 There are 7 dedicated color brightness keys (marked Red, Green, Blue, Cyan, Magenta, Yellow, White) on the control interface. The "ON/OFF", "A.Rec/S", "M.Rec/S", "Auto", "Play", "Exit", Up & Down keys (marked ▲ for up and ▼ for down) are on the IR Controller as well.

Detailed functions can be found on the next page.

KEYs	FUNCTIONs
RED	100% Red, 100% brightness
GREEN	100% Green, 100% brightness
BLUE	100% Blue, 100% brightness
YELLOW	100% Yellow, 100% brightness
CYAN	100% Cyan, 100% brightness
MAGENTA	100% Magenta, 100% brightness
WHITE	100% White ,100% brightness
ON/OFF	DMX output On/Off
AUTO	Automatically cycles through colors at 100% brightness .
PLAY	Play back recorded DMX signal.
▲ PATTERN/RED	Select next pattern / increase red brightness. Holding the key down will gradually increase the brightness to its maximum value.
▼ PATTERN/RED	Select previous pattern / decrease red brightness. Holding the key down will gradually decrease the brightness to its minimum value.
▲ SPEED/GREEN	Increase speed/ increase green brightness. Holding the key down will gradually increase the brightness to its maximum value.
▼ SPEED/GREEN	Decrease speed / decrease green brightness. Holding the key down will gradually decrease the brightness to its minimum value.
▲ FADE/BLUE	Increase fadetime/ increase blue brightness. Holding the key down will gradually increase the brightness to its maximum value.
▼ FADE/BLUE	Decrease fadetime / decrease blue brightness. Holding the key down will gradually decrease the brightness to its minimum value.
▲ BRIGHTNESS	Increase master brightness. Holding the key down will gradually increase the brightness to its maximum value.
▼ BRIGHTNESS	Decrease master brightness. Holding the key down will gradually decrease the brightness to its minimum value.
M.REC/S key	Hold the key down for about 5 seconds to enable manual DMX record mode. Press the key once more to start to record.
A.REC/S key	Hold the key down for about 5 seconds to enable auto DMX record mode. Press key once more to start to record.
EXIT key	Exit from DMX signal recording mode and change to DMX playback mode.

*Please Note: Improvements and specifications in the design of the unit and the manual are subject to change without any prior written notice.