

**INVOLIGHT**

## DMX LED Messenger



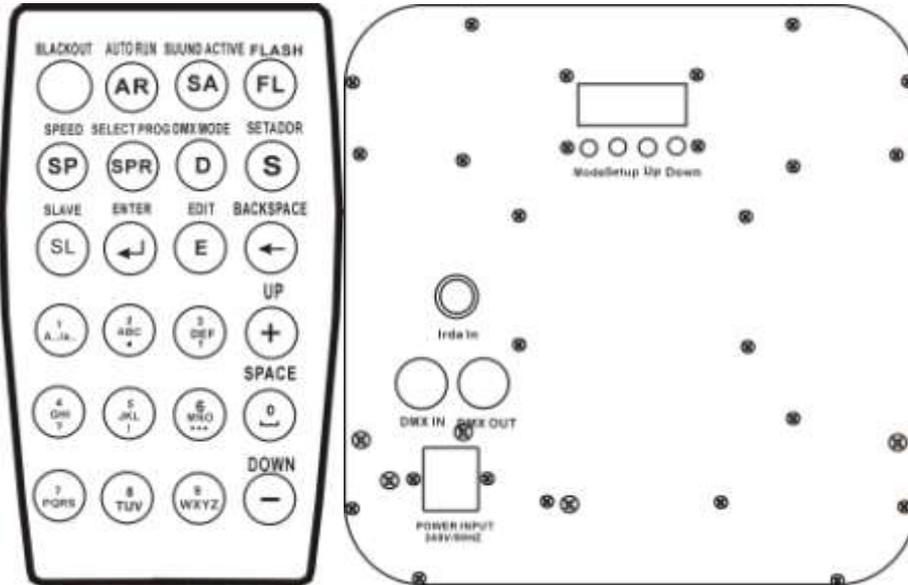
LD100

USER MANUAL

# DMX LED Messenger Operation Manual

DMX LED Messenger can make colorful and dynamic light scenery effects. Its effect is quite similar as a laser with its shining and brilliant beams, but even more dynamic and impressive. Furthermore, it can show some active phrases which include the built-in 10 phrases and 5 your editing phrases.

It is widely applied to entertainment halls, clubs, discotheques, theatres, stages, even shops, hotels etc.



## Specification:

- 1) Weight: 5.25kgs
- 2) Size: 295x280x280mm
- 3) Power input: AC 120V/240V, 60Hz/50Hz
- 4) Wattage: 60W
- 5) LEDs: 192PCS RGB (96 RED, 48 GREEN, 48 BLUE)
- 6) Beam angle: 15degree
- 7) 3PIN female XLR socket and 3PIN male XLR socket
- 8) Built-in microphone
- 9) Led display and IR remote for easier operation.
- 10) Creates various RGB patterns via four LED matrixes
- 11) Built-in programs and phrases, sound active, M/S, DMX mode
- 12) Edit phrase or Names by IR remote

## Operation:

There are 5 working modes: Select built-in programs, Auto run mode, DMX mode, Sound active mode, Master/Slave mode

### A, Select Built-in Programs and Edit Phrases

#### **1, Select Built-in Programs via buttons on the projector.**

##### (1), "MODE" button

By pressing "MODE" button of the led display, until the LED displays show " P r X X", then select any programs via "UP" and "DOWN".

Please note PR is the abbreviation of programs,

Pr01 is for the programs of 15 phrases.

Pr02-Pr22 are the built-in effect programs.

##### (2), "SET UP" button

①, After pressing "MODE" button of the led display, if you set "P r 0 1",

a), if press "SET UP" button for the first time, it shows "r d X X", then select any built-in phrases via "UP" and "DOWN"

\*rd01--rd10 are the built-in phrases from the unit ( Happy Birthday, Merry Christmas, Happy Holidays, Happy Halloween, Happy Hanukkah, Happy Thanksgiving, Last Call, Party!!, Drink Specials ), rd11--rd15 are the phrases which can be edited by the users.

b),if press "SET UP" button for the second time, it shows "S X X X", then you can set the speed value from "S001" to "S100"via "UP" and "DOWN".

c),if press "SET UP" button for the third time, it shows "F X X X", then you can set the flash frequencies via "UP" and "DOWN".

②,After pressing "MODE" button of the led display, if you set "Pr02" to "Pr22"

a),if press "SET UP" button for the first time, it shows "S X X X" , then you can set the speed value from "S001" to "S100"via "UP" and "DOWN".

b),if press "SET UP" button for the second time, it shows "F X X X", then you can set the flash frequencies from "F001" to "F100"via "UP" and "DOWN".

### (3), Store phrases

if press "SET UP" button for the first time, it shows "r d X X".

For example, you select "r d 0 1", please have this phrase run completely from left to right, from right to left, from down to upper, from upper to down. If running for twice or more, please press "UP" or "DOWN". then this phrase will be stored in the memory. When auto run mode or DMX mode or Master/slave mode, the stored phrases can be recalled to display automatically from the system.

### (4), Delete phrases

if press "SET UP" button for the first time, it shows "r d X X".

For example, if you want to delete the phrase of "r d 0 1", then select "r d 0 1" to run from left to right, from right to left, from down to upper, from upper to down for less than twice, please press "UP" and "DOWN". then this phrase will be deleted from the memory. When auto run mode or DMX mode or Master/slave mode, the stored phrases will not display.

## 2, Select built-in Programs by IR remote.

(1), Press "SELECT PROG" button, then it will show " P r X X" (P r 0 1—P r 22). Select preferable programs via "UP" and "DOWN"

①, Press "FLASH" button, it shows "F X X X", then you can set the flash frequencies from "F001" to "F100"via "UP" and "DOWN".

②,Press "SPEED" button, it shows "S X X X" , then you can set the speed value from "S001" to "S100"via "UP" and "DOWN".

(2), if you select " P r 0 1",

press "SELECT PROG" button for the second time. it shows "r d X X" , then select any built-in phrases to run or store via "UP" and "DOWN".

### ① Store phrases

For example, you select "r d 0 1", please let this phrase to run completely from left to right, from right to left, from down to upper, from upper to down. If running for twice or more, then press "UP" or "DOWN". then this phrase will be stored in the memory. When auto run mode or DMX mode or Master/slave mode, the stored phrases can be called to display automatically by the system.

### ②, Delete phrases

For example, if you want to delete the phrase of "r d 0 1", then select "r d 0 1" to run from left to right, from right to left, from down to upper, from upper to down for less than twice, please press "UP" and "DOWN". then this phrase will be deleted from the memory. When auto run mode or DMX mode or Master/slave mode, the stored phrases will not display.

## 3, Edit Phrases by IR Remote

**Please note you can only use IR remote to edit phrases.**

"r d 1 1" to "r d 1 5" is the storage for users to edit preferable phrases, every phrase is at most 30 letters.

**For example, select “r d 1 1”,**

a, press “EDIT LETTER” button, it shows “... \_ \_ \_”

b, press 2~9 buttons to choose any letter, for example, press “2” button for the first time to choose A/a, press “2” button for the second time to choose B/b, press “2” button for the third time to choose C/c.

Press “1” button to choose capitals or small letters.

Press “0” button to choose blank space.

1) “... \_ \_ \_”, means waiting to input the first character of this line.

2) “A... \_ \_”, means waiting to input the second character of this line.

3) “AB... \_”, means waiting to input the third character of this line.

4) “ABC...”, means waiting to input the fourth character of this line.

5), “ABCD” means this line of four letters is input successfully, if you find any letter of this line is wrong, you can press “BACK SPACE” button to delete the letters one by one from right to left, then input again. After 2-3 seconds, the cursor will jump to another line automatically “... \_ \_ \_”.

The same way to edit another line or phrase.

6), After finishing editing the phrase, pressing “ENTER” to confirm and store this phrase of “R D 1 1” into the memory.

## **B, Auto Run Mode**

### **1, operation by LED display.**

(1), Press “MODE” button of the led display, it shows “AUTO” to run auto run mode.

(2), press “SET UP” button, it shows “NXXX”, then set the running frequency for auto run mode.

\* the frequency for auto run mode means running times for each program, “P r 0 1” is for built-in phrases and “P r 0 2”—“P r 1 7” is for laser effects(the effects are similar as laser).

(3), pressing “UP” and “DOWN” to set running times for Auto Run Mode from N001-N100.

### **2, operation by IR remote.**

(1), press “AUTO RUN” button for the first time, it will show “AUTO N×××”

(2), press “AUTO RUN” button for the second time, it will show “N×××”, then set the running times for Auto Run Mode.

(3), press “AUTO RUN” button for the third time to be back to Auto Run Mode.

## **C, DMX Mode**

### **1, operation by LED display.**

(1), Press “MODE” button to select DMX mode, it will show “d X X X”.

(2), Press “UP” and “DOWN” to set the preferable DMX value (d001—d512)

### **2, operation by IR remote.**

(1), Press “DMX MODE” button, it shows “DMX d ×××”to run DMX mode.

(2), Press “SET ADDR” button, it shows “d X X X” to set the DMX value.

(3), Press 0-9 buttons to set the DMX value.

For example,

① “d ... \_ \_”, means waiting to input hundreds

② “d 0 ... \_”, means waiting to input tens

③ “d 0 0 ...”, means waiting to input units

④ “d 0 0 1”, means DMX value is input successfully.

If DMX address setting is among D001-D512, the display will show “PASS” after about one second, then the new address is set successfully. Otherwise shows “FAIL”, then the new address setting fails.

**DMX value/Function**

CH1			CH2	CH3
NO.	DMX value	FUNCTION	SPEED/ Sensitivity	FLASH
1	0	OFF	NO USE	NO USE
2	1—10	LETTER PROGRAM	SPEED 0—255	FLASH 0—255 (40Hz)
3	11—21	PROGRAM01		
4	22—32	PROGRAM02		
5	33—43	PROGRAM03		
6	44—54	PROGRAM04		
7	55—65	PROGRAM05		
8	66--76	PROGRAM06		
9	77--87	PROGRAM07		
10	88—98	PROGRAM08		
11	99—109	PROGRAM09		
12	110—120	PROGRAM10		
13	121—131	PROGRAM11		
14	132—142	PROGRAM12		
15	143—153	PROGRAM13		
16	154—164	PROGRAM14		
17	165—175	PROGRAM15		
18	176—186	PROGRAM16		
19	187—197	PROGRAM17		
20	198—208	PROGRAM18		
21	209—219	PROGRAM19		
22	220—230	PROGRAM20		
23	231—241	PROGRAM21		
24	241--255	Sound active	Sensitivity 0--255	FLASH 0—255 (40Hz)

- under DMX mode, if there is no DMX signal, the point of “D. X X X” will flash all the time, in order to remind you to connect DMX signal.

**D. Sound activated mode**

**1, operation by LED display.**

- (1) Press “MODE” button to select “SU××” to run sound activated mode.
- (2) Press “UP” and “DOWN” buttons to set sensitivity level: SU00-SU31.

**2, operation by IR remote.**

- (1) Press “SOUND ACTIVE” button to select “SU××” to run sound activated mode.
- (2) Press “UP” and “DOWN” buttons to set sensitivity level: SU00-SU31.

## **E, MASTER/SLAVE MODE**

### **1, operation by LED display.**

(1) Press "MODE" button to select "SLAV" to run MASTER/SLAVE mode.

### **2, operation by IR remote**

(1) Press "SLAVE" button to select "SLAV" to run MASTER/SLAVE mode.

·under "Select built-in programs", "Auto run mode" and "Sound activated mode", the effects from the Slave units will keep the same as Master unit.

**Notice: Press "BLACK OUT" button to turn on/off the unit. After turning off the unit, if turn on again, the programs will run from the running programs when turn off.**

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