LEDBAR
USER MANUAL V1.0 EN

⚠	**CAUTION!** Keep this device away from rain and moisture! Unplug mains lead before opening the housing!

For your own safety, please read this user manual carefully before you initially start-up.

INTRODUCTION

Thank you for having chosen LEDBAR. If you follow the instructions given in this manual, we are sure that you will enjoy this device for a long period of time.

Features:

*648 ultra bright LEDs, RGB color mixing
*8 segments individually controllable when in 28-ch operation
*Either sound-controlled or via DMX
*Various modes for 7/10/28-ch operations
*Stand-alone operation with master/slave
*8 built-in programs stand alone and can be triggered by DMX or sound
*Stunning strobe effects in any color
*LCD display + jog wheel for menu control

OPERATION

Initialization

After you connected the effect to the mains, the LEDBAR starts running. the LCD will display "LEDBAR" while the fixture is initializing.

After initialization, the LCD will display "DMX ADDRESS STAR***END***" when there is DMX connection. (*** indicates the present DMX address.) But when there is no DMX connection, instead, it will display the preset non-DMX running mode: Auto, Sound, or Manual.

LCD Menu Sequence

Roll the wheel by the LCD clockwise, it will show menu options in the following sequence:

> *DMX ADDRESS STAR***END*** NO DMX AUTO/SOUND ,   DMX Mode*
> *8*6 EA S W/6CH/8*3 EA S W/3CH/2*6 EA 4S W/6CH/1*6 EA 8S W/6CH/8+4 EA S W/7CLR*

The above sequence is looping, and revertive when roll the wheel anti-clockwise. Press the rolling wheel to enter settings of the desired menu option.

Addressing

The Control Board allows you to assign the DMX fixture address, which is defined as the first channel from which the LEDBAR will respond to the controller.

For address setting, press the rolling wheel and turn it, clock-wise to decrease value, anti to increase. Press again to confirm.

Non DMX Running Modes

To set non DMX running modes, disconnect the fixtures from the DMX controller, and then press the rolling wheel and turn it, till shows:

> No DMX AUTO/SOUND

To enter this setting, press the wheel. AUTO/SOUND are in sequence. *AUTO* indicates the Auto Running Mode; *SOUND*, the Sound Activation Mode. Press the wheel again to confirm when the desired running mode is selected.

DMX Modes and Protocols

Modes

There are 5 different DMX modes can be chosen by users on LCD menu at his different control needs. Roll the rolling wheel till it displays desired DMX mode. Press the rolling wheel to enter settings of the desired DMX mode or option. When press one more time after pressing to enter, display will go to another menu setting.

Mode 1: 8*6 EA S W/6CH (totally 48 control channels, each segment with 6 channels, see breakdown of channel of 6-channels protocol)

CH 1-6	CH 7-12	CH 13-18	CH 19-24	CH 25-30	CH 31-36	CH 37-42	CH 43-48

Mode 2: 8*3 EA S W/3CH (totally 24 control channels, each segment with 3 channels, see breakdown of channel of 3-channels protocol)

CH 1-3	CH 4-6	CH 7-9	CH 10-12	CH 13-15	CH 16-18	CH 19-21	CH 22-24

Mode 3: 2*6 EA 4S W/6CH (totally 12 control channels, every 4 segments as one group and with 6 channels, see breakdown of channel of 6-channels protocol)

CH 1-6	CH 1-6	CH 1-6	CH 1-6	CH 7-12	CH 7-12	CH 7-12	CH 7-12

Mode 4: 1*6 EA 8S W/6CH (totally 6 control channels, all the 8 segments as one group and with 6 channels, see breakdown of channel of 6-channels protocol)

CH 1-6	CH 1-6	CH 1-6	CH 1-6	CH 1-6	CH 1-6	CH 1-6	CH 1-6

Mode 5: 8+4 EA S W/7CLR (totally 12 control channels, each segment with one separate channel for 7 colour selections, see detail from 12-channels protocol)

CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8

Protocols

3-Channel Protocol (for mode 2 only)
Channel 1 – Red 0-255 dimming from close to full on
Channel 2 – Green 0-255 dimming from close to full on
Channel 3 – Blue 0-255 dimming from close to full on

6-Channel Protocol (for mode 1, mode 3 and mode 4)
Channel 1 – Color macros
      0-9   No function
      10-250   Color macros (LEDs change each DMX value)
      251-255   Full on
Channel 2 – Red 0-255 dimming from close to full on
Channel 3 – Green 0-255 dimming from close to full on
Channel 4 – Blue 0-255 dimming from close to full on
Channel 5 – Strobe
      0-9   No function

10-250   Strobe from slow to fast
        250-255   Full on
Channel 6 – Built-in Programs and Sound control
        0-9   No function
        10-250   Built-in programs (8 programs to select)
        251-255   Sound active mode

12-Channel Protocol (for mode 5 only)

Channel 1 – Segment 1 – To set color (among 7 colors) for segment 1
        0-9   Off
        10-45   Red
        46-80   Green
        81-115   Blue
        116-150   Yellow (Red + Green)
        151-185   Cyan (Green + Blue)
        186-220   Purple (Red + Blue)
        221-255   White (full on)
Channel 2 –Segment 2 – To set color (among 7 colors) for segment 2
Channel 3 –Segment 3 – To set color (among 7 colors) for segment 3
Channel 4 –Segment 4 – To set color (among 7 colors) for segment 4
Channel 5 –Segment 5 – To set color (among 7 colors) for segment 5
Channel 6 –Segment 6 – To set color (among 7 colors) for segment 6
Channel 7 –Segment 7 – To set color (among 7 colors) for segment 7
Channel 8 –Segment 8 – To set color (among 7 colors) for segment 8
Channel 9 – Color macros
        0-9   No function
        10-250   Color macros (LEDs change each DMX value)
        251-255   Full on
Channel 10 – Total Dimmer 0-255 from off to full on
Channel 11 – Strobe
        0-9   No function
        10-250   Strobe from slow to fast
        251-255   Full on
Channel 12 – Built-in Programs and Sound control
        0-9   No function
        10-250   Built-in programs (8 programs to select)
        251-255   Sound active mode

Master-slave running mode

When two or more LEDBARs are connected together, disconnect the DMX signal, and set one or more LEDBARs to Sound Activation Mode (see **NO DMX AUTO/SOUND**), the LEDBARs are then in Master-slave running mode.

Note: The master will be randomly selected as one of the sound activated fixtures, and it is not fixed, it can change to another sound activated fixture at any time.

TECHNICAL SPECIFICATIONS

Power supply	90V-250V AC, 47-64 Hz
Power consumption	55W
Sound-control	via built-in microphone
Bar size (LxWxH) (bracket excluded)	820 x 115 x 80 mm
Packing size (LxWxH)	845 x 140 x 170 mm
Net Weight	4.5 kg
Gross Weight	5.5 kg
Maximum ambient temperature t_a	45° C
Maximum housing temperature t_b (steady state)	60° C
Fuse	F1A, 250 V