

*light*  
**BIG**

DESIGN BY DEEMABY

SCAN GRATING LASER

GREEN AND RED SERIES

MODEL: BE-FS08

USER GUIDE

### Service and repair

The Laser 2500 equipment has no major mechanical parts. Major electrical components (see section 10.1) or changing other parts are not allowed by a certified person. If there is a problem with the Laser 2500 equipment, your local service engineer will help you with repair or replacement. His responsibility (including the Laser 2500 equipment) is the manufacturer's responsibility.

### Specifications

|                 |      |
|-----------------|------|
| 1. Laser Type   | 1 PG |
| 2. Power Class  | 1 PG |
| 3. Laser Output | 1 PG |

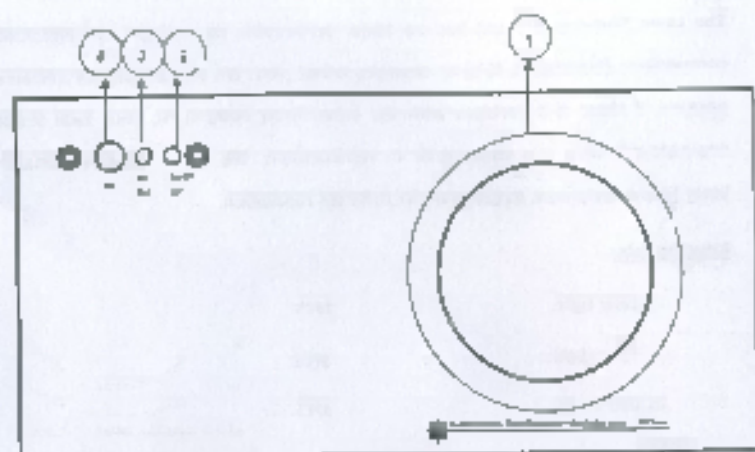
### Warnings

- ⚠ **Warning:** Do not touch the laser beam or the laser output. The laser beam is invisible. Do not look at you directly or indirectly.
  - ⚠ **Warning:** Do not touch the laser glass or the laser tube. When the laser is on, the laser glass may get very hot. Do not touch the laser glass or the laser tube.
  - ⚠ **Warning:** Do not touch the laser output. It is a high-voltage area.
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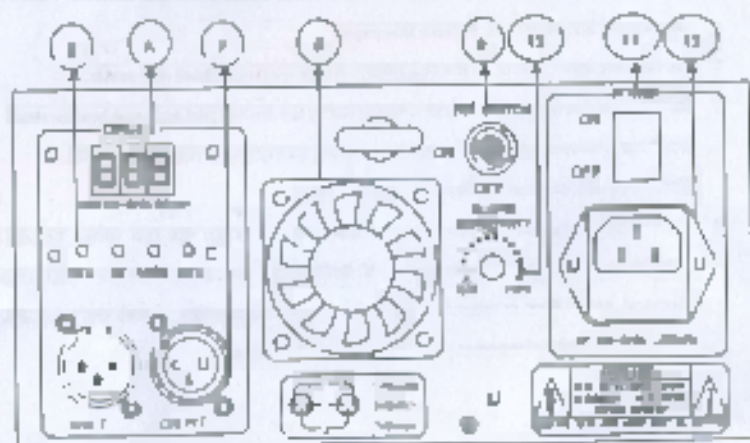
### Installation

1. Carefully inspect the Laser 2500 equipment before use. If any damage is evident, do not use or maintain in the Laser 2500 area. Do not use the Laser 2500 equipment.
2. Hang the equipment in a safe place. There should be no overhead wires or other objects.

### Front and Rear panel views



1. Lower agitator 2. Power LED 3. HiL, auto 4. Microphone



B. Power saving buttons B. Display LCD window D. HiL, auto

P. Cooling Fan 3. HiL, auto 10. Power saving button

11. Power LED 12. Power LED

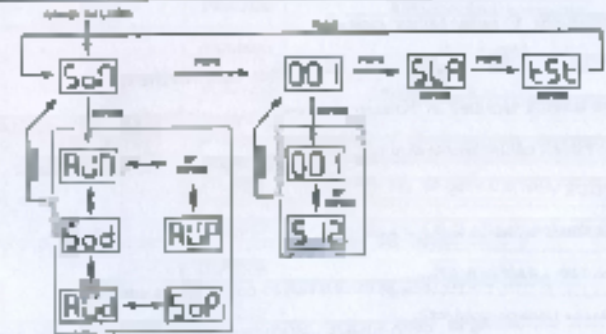
### Features of the product

1. Lower agitator LED to the rear of the door (power saving mode)
2. Scanner sensor HiL, auto, power motor
3. Washing water level sensor Active Auto (HiL, auto) (HiL, auto) (HiL, auto) mode.
4. Inverter 4.5 and 4.5 (HiL, auto) (HiL, auto) (HiL, auto) mode.
5. Inverter power AC 110V-230V, 50/60Hz, 1000W power, 230V
6. Powering HiL, auto (HiL, auto) (HiL, auto) (HiL, auto) mode.

### Function and Settings

When linear is on, the LED panel shows the current operating mode (HiL, auto) of the LED panel with help of LED control panel. It is easy to use and change the operating mode of linear. After every pressing and hold, the data mode information will be shown on LED panel. It is not power on.

- 1. HiL, auto (HiL, auto) (HiL, auto) (HiL, auto) mode of linear.
- 2. HiL, auto (HiL, auto) (HiL, auto) (HiL, auto) mode of linear.
- 3. HiL, auto (HiL, auto) (HiL, auto) (HiL, auto) mode of linear.
- 4. HiL, auto (HiL, auto) (HiL, auto) (HiL, auto) mode of linear.



### Power saving Program Linear Mode

1. Press FUNC to enter MODE OPTION.
2. HiL, auto LED panel shows the HiL, auto of Part A up side D Save.
3. Press UP or DOWN to select your favored Start/End mode & 4 above.

4. Press ENTER to restore the setting.

The laser is working in effect mode. Each time when you turn on your laser, you will find this effect mode later show.



In the MODE OPTION setting, the table shows laser effect that you are using at almost a feeling. Press UP or DOWN to change and it will show what you will have. If you don't have effect programmed later find. Their DISPLAY and EFFECT are listed below.

| KEY DISPLAY | WORD A MORE MODE LASER EFFECT                               |
|-------------|---|
| SON         | Sound activated main effect, Pattern effect + Gating effect |
| ALN         | Sound rickling effect, slow rotation effect + Gating effect |
| SOB         | Sound activated gating effect, slow                         |
| AIB         | Auto rotating gate effect show                              |
| SUP         | Sound activated pattern effect show                         |
| AUR         | Auto running rotation effect show                           |

#### MASTER/SLAVE MODE

1. Press FUNK at mode MODE OPTION

2. If it at CPU panel shows SLA press ENTER to restore the setting.

The laser will be in "SLAVE MODE". Connect MASTER laser and SLAVE laser with DMX cable. The SLAVE laser will when check MASTER laser show.

#### DMX MODE

1. Press FUNK to enter MODE OPTION

2. Turn the Control panel OFF, press ENTER to confirm the setting

The laser is working in "DMX MODE" which has of UP/DOWN system. As a result



with Channel the DMX and rest of the laser.

#### Instruction for DMX channel

|     |              | 000-024 | Laser OFF                             |
|-----|--------------|---------|---------------------------------------|
|     |              | 025-048 | Auto, Auto mode show                  |
|     |              | 050-074 | Sound activate rotation effect show   |
|     |              | 075-099 | Auto Auto pattern effect show         |
| CR1 | music effect | 100-124 | Sound activate rotation effect show   |
|     |              | 125-149 | Auto auto pattern effect show         |
|     |              | 150-174 | Sound activate the gate effect show   |
|     |              | 175-199 | DMX mode with gate effect show        |
|     |              | 200-224 | DMX mode with gate effect show        |
|     |              | 225-249 | DMX mode with rotation pattern effect |

Working laser effect music when show (CR1) shown at 175-199

|     |                 |         |   |
|-----|-----------------|---------|---|
| CR2 | TAP & Moving    | 000-127 | DMX different DMX position on T         |
|     |                 | 128-151 | Clockwise moving                        |
|     |                 | 152-175 | Anti-clockwise moving                   |
| CR3 | L A R E Moving  | 000-127 | DMX different DMX position on Y         |
|     |                 | 128-151 | Clockwise moving                        |
|     |                 | 152-175 | Anti-clockwise moving                   |
| CR4 | DMX Control     | 000-024 | Laser OFF                               |
|     |                 | 025-048 | Sound or T & strobing                   |
|     |                 | 049-127 | Rotation of the laser & gate effect     |
|     |                 | 128-199 | Extension of the laser stroke & red off |
|     |                 | 200-249 | PG on of 4 & 6 laser stroke strobing    |
| CR5 | Stroke          | 050-074 | Auto strobing                           |
|     |                 | 075-099 | Strobing speed                          |
|     |                 | 100-124 | Strobing at stroke                      |
| CR6 | Gating Rotation | 025-074 | Clockwise moving                        |
|     |                 | 075-124 | Stop                                    |
|     |                 | 125-174 | Anti-clockwise moving                   |

Grating Patterns (P) of Levels when pattern 1 is visible 200-204

| CH 3 | Pattern name   | ODD 205 | 12 grating patterns                |
|------|----------------|---------|------------------------------------|
| CH3  | 20 coming      | 0-137   | 100% 20 1 44                       |
|      |                | 128-138 | Zoom in                            |
|      |                | 178-188 | Zoom out                           |
|      |                | 210-253 | Zoom in & out                      |
| CH4  | 7 Axis Rolling | 000-127 | 0-328 degree fixed 7 axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH5  | X Axis Rolling | 000-127 | 0-328 degree fixed X axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH6  | Z Axis Rolling | 000-127 | 0-328 degree fixed Z axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH7  | R Axis Moving  | 000-127 | 128 different fixed positions on Z |
|      |                | 138-181 | Clockwise moving                   |
|      |                | 182-255 | Anti-clockwise moving              |
| CH8  | 7 Axis Moving  | 000-127 | 128 different fixed positions on 7 |
|      |                | 138-181 | Clockwise moving                   |
|      |                | 182-255 | Anti-clockwise moving              |
| CH9  | Color Choice   | 000-030 | Red                                |
|      |                | 031-061 | Green                              |
|      |                | 062-092 | Blue & Yellow (Yellow)             |
|      |                | 093-255 | Color Rolling                      |
| CH10 | 4 Axis Rolling | 0       | No grating rolling                 |
|      |                | 1-16    | Clockwise grating rolling          |
|      |                | 17-190  | No grating rolling                 |
|      |                | 191-255 | Anti-clockwise grating rolling     |

Patterns when effect from trans channel 1 is visible 200-204

| CH 3 | Pattern name   | ODD 205 | 12 grating patterns                |
|------|----------------|---------|------------------------------------|
| CH3  | Zoomed         | 0-137   | Zoom in                            |
|      |                | 138-181 | Zoom in                            |
|      |                | 182-255 | Zoom out                           |
|      |                | 210-253 | Zoom in & out                      |
| CH4  | 7 Axis Rolling | 000-127 | 0-328 degree fixed 7 axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH5  | X Axis Rolling | 000-127 | 0-328 degree fixed X axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH6  | Z Axis Rolling | 000-127 | 0-328 degree fixed Z axis rolled   |
|      |                | 138-181 | Clockwise rolling                  |
|      |                | 182-255 | Anti-clockwise rolling             |
| CH7  | X Axis Moving  | 000-117 | 128 different fixed positions on X |
|      |                | 118-181 | Clockwise moving                   |
|      |                | 182-255 | Anti-clockwise moving              |
| CH8  | 7 Axis Moving  | 000-127 | 128 different fixed positions on 7 |
|      |                | 138-181 | Clockwise moving                   |
|      |                | 182-255 | Anti-clockwise moving              |
| CH9  | Color Choice   | 000-030 | Original Color                     |
|      |                | 031-061 | on X                               |
|      |                | 062-092 | on Y                               |
|      |                | 093-097 | on Z                               |
|      |                | 098-250 | Single color alternating speed     |
|      |                | 251-255 | on color alternating speed         |

## TROUBLESHOOTING

1. If the power supply indicator is off and the laser doesn't work please check the power supply and the input voltage.
2. In normal active mode, if the power supply indicator is ON and normal active indicator is OFF but the laser doesn't work.
  - A. Because you set it the output and cannot a correct laser shining, please increase the mark volume or increase gain sensitivity on the panel.
  - B. Please check if it has been set up to slave mode, or DMX mode.
3. In slave mode operation slave auto don't function please check as below.
  - A. Make sure there's data was stream at the chain, and the meters are set in slave mode.
  - B. Make sure you connect the cable with DMX beamster.
4. If the output beam is not active when I received please refer to page 2 will.

After trying the above solution you still cannot solve the problem please contact your dealer or our company for service.