

light
BIG

DESIGN BY GERMANY

Multi-effect Laser

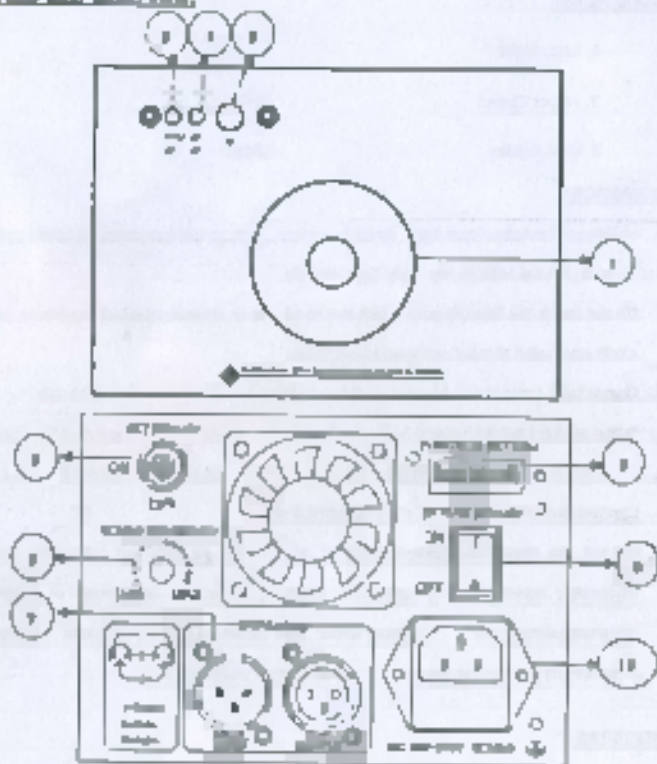
MODEL: BE-FS004RGB

USER GUIDE

Features of the product.

1. Laser pointer 2. Scan rate 3000 RPM 3. Scan angle 360° 4. Spindle speed 4200 RPM
2. Scanner system: 90° scan spindle rotation
3. Working mode: Standby/Active/Auto run/STOP/12 (D+) Repeat/Stop/On
4. Interface: 8 Axis PLP (6 Axis for DMG) on the air dependent
5. Input power: AC 220V~240V, 50/60Hz Rated power: 20W
6. Packing Size: 170*110*130 mm Weight: 2.5kg

Front and Rear Panel view:



1. Laser indicator 2. Power indicator 3. Standby indicator 4. 12 (D+) Active-recognition 5. Stop/Repeat 6. Standby/On/Off keys
7. DMG linking jack 8. Spindle DMG Pulseless setting
9. Power On/Off 10. Power jack

Function and Setting

Pin Signal	01	02	03	04	05	06	07	08	09	10
DMG-TO-Laser signal									DMG	DMG
DMG to DMG									DMG	DMG
DMG to DMG	0	0	0	0	0	0	0	0	0	0

For the above chart, DMG to DMG setting reference as follows.

Signal status:

- (1) Standby active DMG ON
- (2) Active run indicator DMG ON
- DMG to DMG on setting
- (3) DMG to DMG Slave & Master DMG ON
- (4) Standby active DMG ON, DMG to DMG Slave DMG ON, DMG to DMG Master DMG ON, DMG to DMG Slave DMG ON, DMG to DMG Master DMG ON
- (5) Standby active DMG ON, DMG to DMG Slave DMG ON, DMG to DMG Master DMG ON, DMG to DMG Slave DMG ON, DMG to DMG Master DMG ON

Universal DMG Operation (DMG mode)

This mode allows you to use the DMG to DMG system to connect.

1. Install the unit to a suitable position
2. Use a standard 4.5mm cable to connect your unit. Connect the 4.5mm connector on the front of the unit to the DMG to DMG connector on the back of the unit.
3. The unit is DMG to DMG mode to check the unit using a DMG to DMG mode

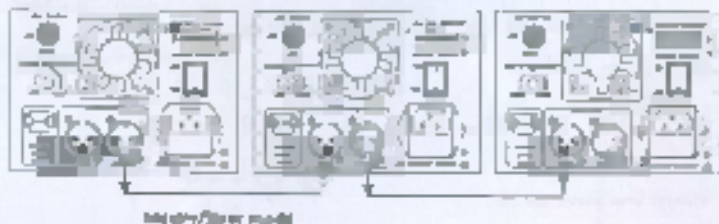
Turn on the unit. Just DMG to DMG mode to receive your DMG.



DMG to DMG

Master-Slave Operation

1. Choose a unit to function as the Master, set frequency to 50Hz (50Hz or 60Hz mode). The other units are set to Slave mode.
2. Use standard I/O cable to connect slave units to the A/B connector on the I/O of the master. The I/O cable must be supported by the master.
3. Turn on all units. The slave units will start the same as the master unit.



Instructions for DMZ channel

Channel	Mode select	Value	Function
CH1	Mode select	0~40	Limit OFF
		50~100	Speed adjustment
		100~140	Full power
		150~255	DMZ ready
CH2	Pattern selection	0~255	
CH3	Direction selection	0~70	Clockwise rotating
		100~180	Stop
		190~255	Counter rotating / Flaming
CH4	Rotation speed	0~255	0.5 speed / 1/2 speed
CH5	DMZ speed	0	Stop
		0~255	1 speed / 100% speed
CH6	Color selected	0~99	Red, green and blue
		100~199	Red and blue
		200~255	Green

TROUBLE SHOOTING

1. If the motor usually will stop at OP and the laser does not work, please check the power supply and the air voltage.
 2. In Stand-Alone mode, if the power supply indicator is ON and laser does not work at OP, please check the laser down unit.
 3. Because sound is low and the laser does not work, please check the laser unit as follows:
 - a. Increase the laser power supply.
 - b. Check the laser unit for loose connection, especially on the P board.
 - c. In Master-Slave operation, slave unit don't function, please check as follows:
 - A. Make sure there is cable connection on the slave, and the voltage are set to slave mode.
 - B. Make sure to connect the unit without DMZ indicator.
 - C. Make sure to use good quality power cable with I/O connector.
 - D. In Gold mode operation, the laser is OFF and the DMZ signal indicator is unlit, please check as below:
 1. Make sure DMZ switch is ON.
 2. Make sure to make good I/O connection.
 - E. In DMZ operation, the unit may be controlled by the DMZ controller, the DMZ signal indicator is flashing, please make sure the DMZ controller and unit have the same channel.
 - F. If the safety laser direction shows it is unsafe, please reset the unit.
 - G. If the unit is full power, stop the unit, and then turn on again DMZ indicator.
- While using the above solution you will deal with the the success, please contact your distributor and company for advice.