

Stagg®

USER MANUAL



Baryonic 24

SLB-244-41

Please read the instructions carefully before use

SAFETY INSTRUCTIONS



Please read the instructions carefully as they include important information about the installation, operation and maintenance.

- Please keep this user's guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- All fixtures leave the manufacturer intact. Please note that any damages incurred by the user is not covered by the guarantee.
- Unpack and check carefully that there is no transportation damage before using the unit.
- The unit is for indoor use only. Use only in a dry location.
- Use a safety bond when attaching the fixture to a lighting rig. Handle by the hanging bracket when fixing.
- The unit must be installed in a location with adequate ventilation at least 50 cm from adjacent surfaces.
- Make sure that no ventilation slot is blocked, otherwise the unit will overheat.
- Before operating, ensure that the voltage and frequency of the power supply match the power requirements of the unit.
- Make sure all equipment is properly earthed.
- Do not operate the unit if the ambient temperature is higher than 40°C.
- Do not hardwire to any mains dimmer.
- On the first start, there may be some normal operational start-up smell.
- Make sure that there is no flammable material close to the unit while operating, as it is a fire hazard.
- Examine power wires carefully and replace immediately if there is any damage.
- Never run on for a long time lest shortening lifespan. Avoid any inflammable liquids, water or metal objects entering the unit. In case it happens, cut off the mains power immediately.

- Do not operate in a dirty or dusty environment. Clean fixtures regularly.
- Do not allow children unsupervised to operate the fixture.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- Avoid placing power wires next to other cables.
- Disconnect the mains power before replacing or servicing the fuses.
- Replace fuse only with the same type.
- In the event of a serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- Do not open the unit as there is no user serviceable part inside.
- Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre.
- Disconnect the mains power if the fixture is not used for a long time.
- Use the original packaging to transport regarding any warranty issue.
- Do not look directly at the LED light beam while the fixture is on.
- Do not connect more than 7 units to the same power source.

INSTALLATION

The feet should be mounted on each sides of the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and able to support 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the unit's weight when installing the fixture.

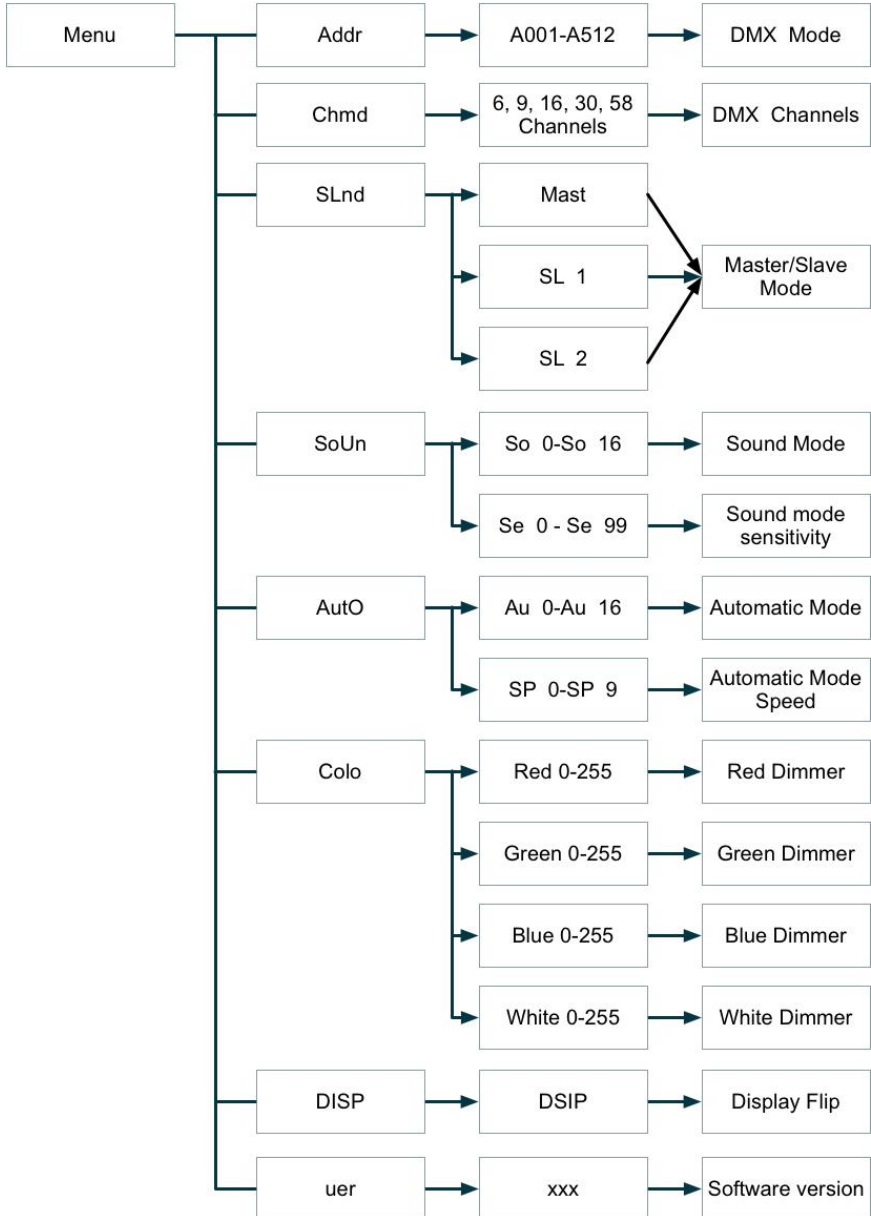
The equipment must be fixed in an appropriate place by professionals. Keep it out of the reach of unqualified people.

TECHNICAL SPECIFICATIONS

Architectural colour bar with 24x4w 4in1 RGBW LED

- LED: 24x4W 4in1 RGBW
- LED beam angle: 35°
- Functions: colour chaser, strobe and colour mix
- Protocol: DMX 512. 6, 9, 16, 30 or 58 channels
- Control modes: DMX 512, master/slave, sound activation, automatic, remote control
- Connectivity: 3-pin XLR cable and IEC
- 4-Digits on rear panel
- Power consumption: 100W
- Weight: 4kg (8.8lb)
- Dimensions: 110 x 10 x 10 cm (4.3" x 0.4" x 0.4")
- Included: Mounting feet

SETTING UP THE DEVICE



DMX Mode

With the menu button, select the DMX mode (dxxx) and press the enter key to confirm. Then use the up and down buttons to choose the desired DMX channel (1 – 512) and press the enter key to confirm. Press the menu button to return to the main menu.

Use the menu button and the up and down buttons and go to “Chnd” to select the desired Dmx channel mode: 6, 9, 16, 30 or 52 channels. See following charts for channels functions information.

6 Channels:		
Channel	Value	Function
1	0-255	Red 0-100%
2	0-255	Green 0-100%
3	0-255	Blue 0-100%
4	0-255	White 0-100%
5	0-255	See Colour Chase Table
6	0-255	Chase Speed Slow to Fast

9 Channels:		
Channel	Value	Function
1	0-255	All dimming
2	0-255	Strobe
3	0-255	Red 0-100%
4	0-255	Green 0-100%
5	0-255	Blue 0-100%
6	0-255	White 0-100%
7	0-255	Auto program
8	0-255	See Colour Chase Table
9	0-255	Chase Speed Slow to Fast

16 Channels:

Channel	Value	Function
1	0-255	All dimming 1
2	0-255	Strobe
3	0-255	Red 1 0-100%
4	0-255	Green 1 0-100%
5	0-255	Blue 1 0-100%
6	0-255	White1 0-100%
7	0-255	Auto program
8	0-255	All dimming 2
9	0-255	Strobe
10	0-255	Red 2 0-100%
11	0-255	Green 2 0-100%
12	0-255	Blue 2 0-100%
13	0-255	White2 0-100%
14	0-255	Auto program
15	0-255	See Colour Chase Table
16	0-255	Chase Speed Slow to Fast

30 Channels:		
Channel	Value	Function
1	0-255	All dimming 1
2	0-255	Strobe1
3	0-255	Red 1 0-100%
4	0-255	Green 1 0-100%
5	0-255	Blue 1 0-100%
6	0-255	White1 0-100%
7	0-255	Auto program1
8	0-255	All dimming 2
9	0-255	Strobe2
10	0-255	Red 2 0-100%
11	0-255	Green 2 0-100%
12	0-255	Blue 2 0-100%
13	0-255	White2 0-100%
14	0-255	Auto program2
15	0-255	All dimming 3
16	0-255	Strobe3
17	0-255	Red 3 0-100%
18	0-255	Green 3 0-100%
19	0-255	Blue 3 0-100%
20	0-255	White3 0-100%
21	0-255	Auto program3
22	0-255	All dimming 4
23	0-255	Strobe4
24	0-255	Red 4 0-100%
25	0-255	Green 4 0-100%
26	0-255	Blue 4 0-100%
27	0-255	White4 0-100%
28	0-255	Auto program4
29	0-255	See Colour Chase Table
30	0-255	Chase Speed Slow to Fast

58 channels:		
Channel	Value	Function
1	0-255	All dimming 1
2	0-255	Strobe1
3	0-255	Red 1 0-100%
4	0-255	Green 1 0-100%
5	0-255	Blue 1 0-100%
6	0-255	White1 0-100%
7	0-255	Auto program1
8	0-255	All dimming 2
9	0-255	Strobe2
10	0-255	Red 2 0-100%
11	0-255	Green 2 0-100%
12	0-255	Blue 2 0-100%
13	0-255	White2 0-100%
14	0-255	Auto program2
15	0-255	All dimming 3
16	0-255	Strobe3
17	0-255	Red 3 0-100%
18	0-255	Green 3 0-100%
19	0-255	Blue 3 0-100%
20	0-255	White3 0-100%
21	0-255	Auto program3
22	0-255	All dimming 4
23	0-255	Strobe4
24	0-255	Red 4 0-100%
25	0-255	Green 4 0-100%
26	0-255	Blue 4 0-100%
27	0-255	White4 0-100%
28	0-255	Auto program4

29	0-255	All dimming 5
30	0-255	Strobe5
31	0-255	Red 5 0-100%
32	0-255	Green 5 0-100%
33	0-255	Blue 5 0-100%
34	0-255	White5 0-100%
35	0-255	Auto program5
36	0-255	All dimming 6
37	0-255	Strobe6
38	0-255	Red 6 0-100%
39	0-255	Green 6 0-100%
40	0-255	Blue 6 0-100%
41	0-255	White6 0-100%
42	0-255	Auto program6
43	0-255	All dimming 7
44	0-255	Strobe7
45	0-255	Red 7 0-100%
46	0-255	Green 7 0-100%
47	0-255	Blue 7 0-100%
48	0-255	White7 0-100%
49	0-255	Auto program7
50	0-255	All dimming 8
51	0-255	Strobe8
52	0-255	Red 8 0-100%
53	0-255	Green 8 0-100%
54	0-255	Blue 8 0-100%
55	0-255	White8 0-100%
56	0-255	Auto program8
57	0-255	See Colour Chase Table
58	0-255	Chase Speed Slow to Fast

Colour Chase Table

Colour Chase	000-007 No function	No Function
	008-022 Colour Chase 01	Colour Effect 1
	023-037 Colour Chase 02	Colour Effect 2
	038-052 Colour Chase 03	Colour Effect 3
	053-067 Colour Chase 04	Colour Effect 4
	068-082 Colour Chase 05	Colour Effect 5
	083-097 Color Chase06	Colour Effect 6
	098-112 Colour Chase 07	Colour Effect 7
	113-127 Colour Chase 08	Colour Effect 8
	128-142 Colour Chase 09	Colour Effect 9
	143-157 Colour Chase10	Colour Effect 10
	158-172 Colour Chase 11	Colour Effect 11
	173-187 Colour Chase 12	Colour Effect 12
	188-202 Colour Chase 13	Colour Effect 13
	203-217 Colour Chase 14	Colour Effect 14
	218-232 Colour Chase 15	Colour Effect 15
	233-247 Colour Chase 16	Colour Effect 16
248-255 Sound active	Sound Effect 1-16	

Master/Slave mode

With the menu button, select the slave mode (Sindh) and press the enter key to confirm. Then use the up and down buttons to choose between Master (Mast), Slave 1 (SL 1) or Slave 2 (SL 2).

Thanks to this mode, you can connect several Baryonic 24 in a daisy chain and make a nice lightshow. All the units will play in the same rhythm. To do so, put the first light in your chain in “master” mode. Put the other ones in Slave 1 or 2. Slave 1 and 2 will react in a different way to do a more complex lightshow.

Sound Mode

With the menu button, select the Sound mode (SoUn) and press the enter key to confirm. Then use the up and down buttons to select the desired preset from Sn01 to Sn16. You can also change the sensibility of the internal microphone (Se__) to make it react as close as possible to the basses of the music.

In this mode, the Baryonic will react to the music to create a rhythmic lightshow.

Automatic mode

With the menu button, select the automatic mode (Auto) and press the enter key to confirm. Then use the up and down buttons to select the desired auto-lightshow (from Au01 to Au10) and press enter. Then select the appropriate speed (from Sp1 to Sp9) and press enter. In this mode, the fixture will play an automatic sequence at a constant speed.

Colour mode:

With the menu button, select the Red, Green, blue or white and press the enter key to confirm. Then use the up and down buttons to increase or decrease the colour amount (from 001 to 255).

Thanks to this colour mixing mode, you can virtually choose all the desired fixed colours.

Display mode (Disp)

This function allows you to flip the display. This is useful if you hang the Baryonic 24 upsides down.

User mode

This function display the actual software version.

DMX512 CONNECTIONS

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.

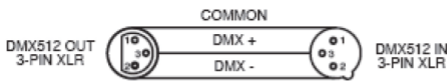


Figure 2

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



Figure 3

Warning

To avoid signal transmission problems and interferences when using fixtures in chain, use a Stagg N-series professional 3-pin DMX terminator (resistance: 120 ohms; pin2: DMX-; pin3:DMX+).

FIXTURE CLEANING

A cleaning must be carried out periodically to optimize the light output. The cleaning frequency depends on the environment in which the fixture operates: A damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics. Clean the fixture with a soft cloth and normal glass cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

For more info and the latest product updates:

staggmusic.com

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