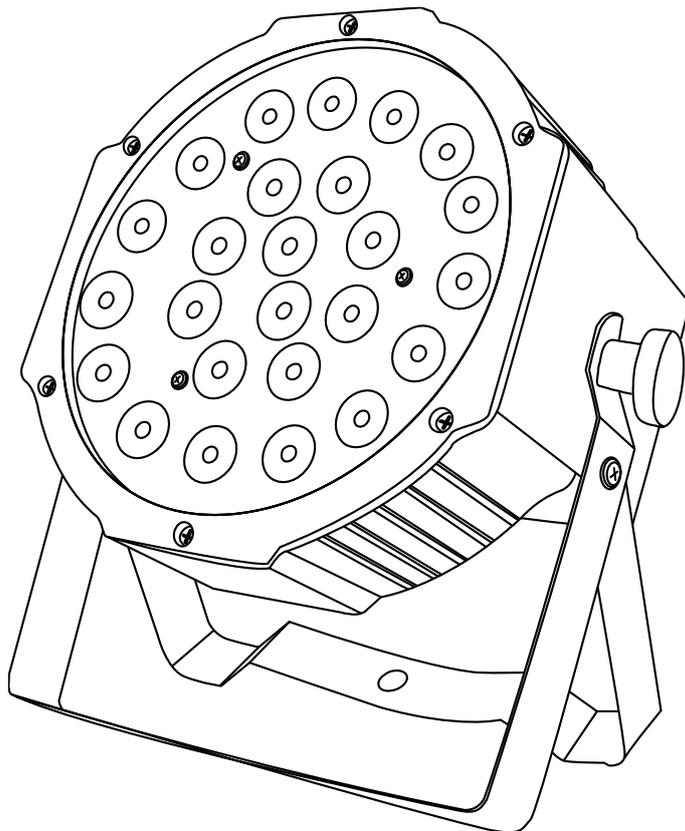


# BAT 72

ENGLISH V.2.1



# SAFETY INSTRUCTIONS

1. Read the instructions of this manual.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Follow all instructions.
5. Please, respect your country safety regulations.
6. Don't use this device close to the water or high humidity places. Clean only with dry cloth.
7. Don't install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Make certain that the equipment is always installed so that is cooled and can't overheat.
8. Don't block any ventilation openings. Install in accordance with the manufacturer's instructions.
9. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by MARK.
11. Unplug this device during lightning storms or when unused for long periods of time.
12. The technical service is required when the device has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, doesn't operate normally or has been dropped.
13. To completely disconnect this apparatus from the AC mains, disconnect the power supply cord plug from the AC receptacle.
14. The mains plug of the power supply cord shall remain readily operable.
15. **WARNING** – to reduce the risk of fire or electric shock, don't expose this device to rain or humidity.
16. Don't expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

## GENERAL DESCRIPTION

This LED projector consists of 24 LEDs of 1W each divided between RGB and White primary colors. Its small size and power make it suitable for indoor installations, replacing conventional light bulbs and providing brilliant lighting and enormous possibilities for different effects.

BAT 72 integrates various operating modes: DMX, with 5/8 channels and different functions to control. Likewise, it incorporates different programs that can be executed both manually and by DMX and control the execution speed. The inclusion of a microphone allows these programs to be run through the audio captured by this microphone. All modes of operation and configuration are carried out with the interface located on the rear panel that includes buttons for navigation between menus and a display to show the function in progress.

### Technical Data:

Main supply	AC 110-220V
Consumption	30W
Light source	24 pcs RGBW of 1 W each one
Control method	DMX 512, AUTO, MASTER/SLAVE, SOUND
DMX channels	5/8
Connections	XLR 3
Dimensions	250 x 250 x 160 mm
Weight	0.7 Kg

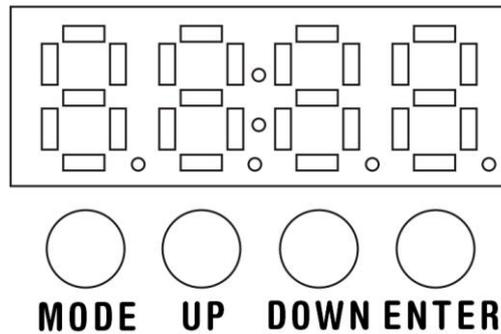
### Features:

Thanks to its light weight, its casing and a body made of plastic, the BAT 72 offers a wide variety of possibilities of use.

# USING & INSTALLATION

**BAT 72** can be configured through DMX protocol or manually.

In order to start operating with the unit, it is necessary to connect it to the electrical network, once the power supply is present and it is turned on, we can select the operating modes, DMX channels, etc. from its rear panel.



Just below the display there are four buttons, which allow us to navigate between the operating modes.

**MODE:** Allows you to select the device's operating mode

**UP:** Allows ascending within the selected value

**DOWN:** Allows descending within the selected value

**ENTER:** Confirms the selected option.

If the desired option is to be able to control the unit via DMX, the d001 mode must be selected manually.

# SETUP & ADVANCED USE

**BAT 72** has a menu of options to select and in this way leave the unit configured. The following table shows each one of them, with the corresponding value that the unit will display on the screen for its correct selection and the possible numerical value to choose between 0 and 99 within each selection. In the description it can be seen which option is associated with each mode.

Menu	Value	Description
CF99	00-99	Gradual change
CJ99	00-99	Jump
CP99	00-99	Auto
CL99	00-99	Flash
dEnO	dEnO	Flash+Auto
Sound	Sound	Sound
d001	d001	DMX (5 channel mode)
A001	A001	DMX (8 channel mode)
SLAu	SLAu	Master- Slave
RGB	RGB	RGB color selector

## 5 channels mode:

Channel	Value	Functions
CH1	0-255	Master Dimmer
CH2	0-255	Red Dimmer
CH3	0-255	Green Dimmer
CH4	0-255	Blue Dimmer
CH5	0-255	White Dimmer

## 8 channels mode:

Channel	Value	Functions
CH1	0-255	Master Dimmer
CH2	0-255	Red Dimmer
CH3	0-255	Green Dimmer
CH4	0-255	Blue Dimmer
CH5	0-255	White Dimmer
CH6	0-255	Auto
CH7	0-255	Flash
CH8	0-255	Audio control

# TROUBLESHOOTING

This short guide is meant to help and try to solve simple problems. If they continue and the device cannot operate, please, don't try to repair it by yourself, return the device to your MARK dealer.

If a problem occurs, carry out the following steps in sequence until find solve the problem. If finally, the unit operates properly, don't continue with the next steps. If the light effect does not operate properly, refer servicing to a technician.

## No Light

Response: Suspect two potential problem areas: the power supply or the LEDs.

Power supply. Check that the unit is plugged into an appropriate power supply.

The LEDs. Return the device to your MARK dealer.

Check if the fuse is not blown, if it is, change it with one that keeps the same technical features. If once the fuse is ok the device again blown it, please, don't change it again, contact the MARK technical service.

If all the above appears to be OK, plug the unit in again.

If you are unable to determine the cause of the problem, do not open the device, as this may damage the unit and the warranty will become void.

Return the device to your MARK dealer.

## No DMX

Response: Suspect the DMX cable or connector, a controller wrong function, a light effect DMX card error.

Check the DMX setting. Make sure that DMX addresses are correct.

Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.

Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

## DMX Connection

When fabricating your own cables, always observe the illustrations on this page. Never connect the shielding of the cable to the ground contact of the plug, and always make certain that the shielding does not come into contact with the housing of the XLR plug. If the shielding is connected to the ground, this can lead to short-circuiting and system malfunctions.

To prevent system errors, the last device in a DMX chain needs to be equipped with a terminating resistor (120 ohm, 1/4 Watt).



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