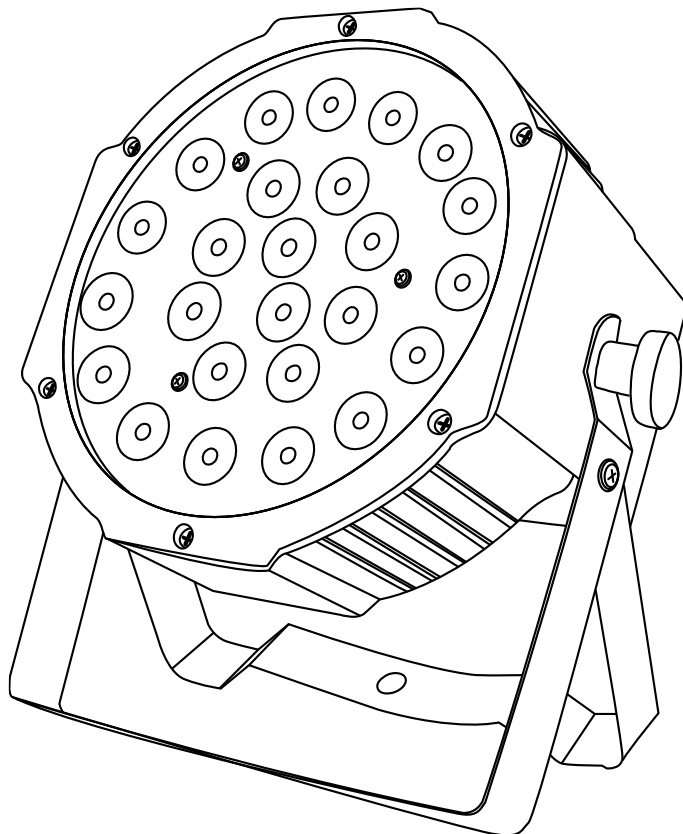


BAT 72

ENGLISH V.2.0



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 with integrated battery 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.

The device has a built-in 12V 2600 mAh battery, which provides power to the BAT 72 for 3 to 4 hours.

Technical Data:

| | |
|----------------|------------------------------------|
| Main supply | AC 110-220V |
| Battery | 12V 2600 mAh |
| 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 |

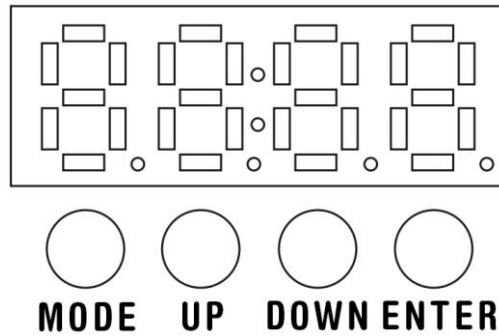
Features:

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

USING & INSTALLATION

BAT 72 puede ser configurado tanto a través del protocolo DMX o de manera manual gracias a su interfaz situada en el panel trasero.

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.

The **BAT 72** has a built-in battery that allows you to work without being connected to the electrical network. The estimated time for a full charge ranges between 7 or 8 hours and the autonomy it offers is usually 3-4 hours.

The charger has a small LED that when lit informs that the unit is being charged.

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).

BATTERY CHANGE

| WARNING |
|--|
| To reduce the risk of FIRE or INJURY to people: - Disconnect ALL electrical current and the battery BEFORE performing any maintenance service. - DO NOT throw the battery into fire. The battery can explode. Check local codes for disposal instructions. |

This device incorporates a battery inside, which has a certain useful life and may present power problems in the future.

When this is the case, contact AudioMusic Systems technical support.



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