

Beamz DMX60

BeamZ DMX60 6-Channel DMX Controller Instruction Manual

Model: DMX60

1. INTRODUCTION

The BeamZ DMX60 is a compact and versatile 6-channel DMX controller designed for managing various lighting effects. It features six individual faders for precise control over DMX channels and a master fader for overall intensity adjustment. This controller is ideal for decorative lighting, spot lighting, and creating specific atmospheres for events. Its lightweight design and optional battery operation make it suitable for portable use.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Keep this manual for future reference.
- Do not expose the device to rain or moisture to prevent fire or electric shock.
- Ensure the power source matches the voltage requirements specified on the device.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only accessories specified by the manufacturer.
- Disconnect the device from the power supply before cleaning or when not in use for extended periods.

3. PRODUCT OVERVIEW

The BeamZ DMX60 controller provides intuitive control over DMX-compatible lighting fixtures. Below are the key components and their functions.

Front Panel



Image 3.1: Front view of the BeamZ DMX60 DMX controller. This image displays the top surface of the controller, featuring six individual channel faders labeled 1 through 6, and a master fader on the right. Each fader has a scale from 0 to 10. A red 'POWER' indicator LED is visible above the faders. The device name 'DMX60' and 'Z beamZ 6 CHANNEL DMX CONTROLLER' are printed on the surface.

- **Channel Faders (1-6):** Control the DMX value (intensity, color, etc.) for individual channels from 0 to 255 (represented as 0-10 on the fader scale).
- **Master Fader:** Controls the overall output intensity of all active DMX channels simultaneously.
- **Power LED:** Indicates when the unit is powered on.

Rear Panel



Image 3.2: Rear view of the BeamZ DMX60 DMX controller. This image shows the back panel of the device, which includes the DMX OUT XLR connector, a diagram for DMX pin configuration (Pin 1: GND, Pin 2: -, Pin 3: +), an ON/OFF rocker switch, and a 9/12 VDC power input jack with specifications (min. 100 mA).

- **DMX OUT (XLR):** 3-pin XLR connector for connecting to DMX-compatible lighting fixtures.
- **ON/OFF Switch:** Powers the unit on or off.
- **9/12 VDC Power Input:** Jack for connecting the external power adapter (minimum 100 mA).
- **Battery Compartment:** Located on the underside (not visible in image) for optional 9V battery operation.

4. SETUP

Follow these steps to set up your BeamZ DMX60 controller:

1. Power Connection:

- Connect a compatible 9V or 12V DC power adapter (minimum 100 mA) to the power input jack on the rear panel.
- Alternatively, for portable use, install a 9V battery into the battery compartment on the underside of the unit. Ensure correct polarity.

2. DMX Connection:

- Connect a 3-pin DMX cable from the DMX OUT XLR connector on the rear panel of the DMX60 to the DMX IN port of your first DMX lighting fixture.
- For multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next, and so on.
- Ensure all DMX fixtures are set to their correct DMX starting addresses and channel modes according to their respective manuals.

- ### 3. Power On:
- Flip the ON/OFF switch on the rear panel to the 'ON' position. The Power LED on the front panel should illuminate.

5. OPERATING

The BeamZ DMX60 provides direct control over 6 DMX channels.

1. Individual Channel Control:

- Each of the six faders (1-6) corresponds to a DMX channel.
- Move a channel fader up or down to adjust the DMX value for that specific channel. The fader scale (0-10) represents the full DMX range (0-255).
- For example, if your lighting fixture uses DMX channel 1 for intensity, moving fader 1 will adjust its brightness.

2. Master Control:

- The Master fader controls the overall output level of all active DMX channels.
- To dim all lights simultaneously, lower the Master fader. To increase overall brightness, raise it.
- The Master fader acts as a global dimmer, allowing you to set the maximum output for all channels controlled by the individual faders.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your DMX60 controller.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Storage:** When not in use, store the controller in a dry, dust-free environment. If using battery power,

remove the battery during long periods of storage to prevent leakage.

- **Inspection:** Periodically check cables and connectors for any signs of wear or damage. Replace damaged cables immediately.

7. TROUBLESHOOTING

If you encounter issues with your BeamZ DMX60, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------------------------------|--|--|
| No power / Power LED off | <ul style="list-style-type: none">• Power adapter not connected or faulty.• Battery drained or incorrectly installed.• ON/OFF switch is off. | <ul style="list-style-type: none">• Check power adapter connection and ensure it's working.• Replace 9V battery or ensure correct polarity.• Flip ON/OFF switch to 'ON'. |
| Lights not responding to faders | <ul style="list-style-type: none">• DMX cable faulty or incorrectly connected.• DMX addresses on fixtures are incorrect.• Fixture DMX mode is incorrect.• Master fader is at minimum. | <ul style="list-style-type: none">• Check DMX cable connections and try a different cable.• Verify DMX starting addresses on all fixtures.• Ensure fixtures are in the correct DMX channel mode.• Raise the Master fader. |
| Intermittent control | <ul style="list-style-type: none">• Loose DMX connection.• Electrical interference. | <ul style="list-style-type: none">• Secure all DMX cable connections.• Ensure DMX cables are not running parallel to power cables. |

If the problem persists after trying these solutions, contact customer support or a qualified technician.

8. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|--------------------|
| Brand | Beamz |
| Model Number | DMX60 (154.032) |
| Manufacturer | BEAMZ |
| Product Dimensions (L x W x H) | 17.5 x 15 x 5.5 cm |
| Weight | 950 g |
| Material | Metal |
| Number of Channels | 6 DMX Channels |

| Feature | Detail |
|--------------------|--|
| DMX Output | 1 x 3-pin XLR |
| Power Input | DC 9V or 12V (min. 100 mA) |
| Power Type | Mains adapter or 9V battery |
| Batteries Included | No |
| Batteries Required | Yes (1x 9V for portable use, not included) |

9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided by your retailer at the time of purchase. Keep your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance beyond this manual, or spare parts inquiries, please contact your BeamZ dealer or the official BeamZ support channels. Contact information can typically be found on the manufacturer's website or your purchase documentation.