



DMX-DIMMER4

DMX Dimmer Chaser Box

4-Channel Switcher with Built-in Chase Programs

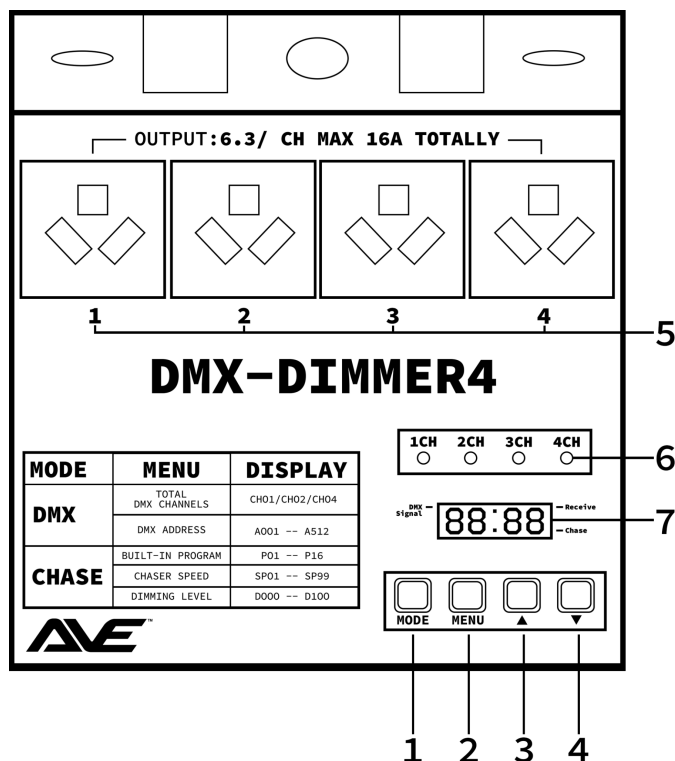
USER MANUAL

1. Technical Specifications

| | |
|------------------------|-------------------------------------|
| Power Input | AC 220–240V, 50Hz |
| Output Rating | 6.3A per channel, 16A maximum total |
| Output Sockets | 4× Australian-type power outlets |
| DMX Input | 3-pin XLR (female) |
| DMX Output | 3-pin XLR (male) |
| Fuse Protection | 4× F6.3A 250V (5×20mm) |
| Dimensions | 260 × 190 × 75mm |
| Weight | 2.7kg |

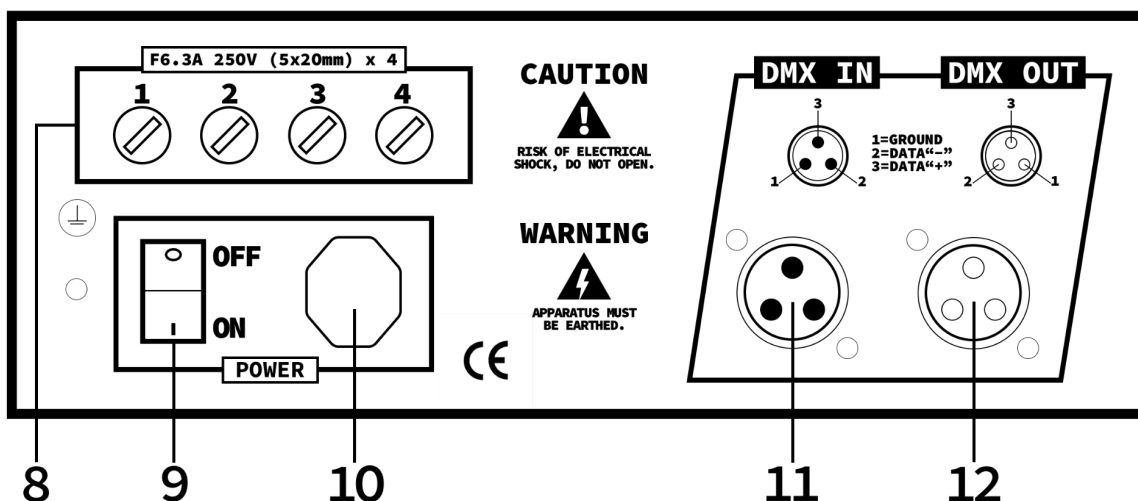
2. Controls & Functions

2.1 Front Panel



| No. | Control | Function |
|-----|--------------------|--|
| 1 | MODE | Switch the unit between DMX mode and Chase mode. |
| 2 | MENU | Cycles through available settings within the current mode (address, channel count, program, speed, dimming level). |
| 3 | ▲ (Up) | Increases the currently displayed value on the LCD. |
| 4 | ▼ (Down) | Decreases the currently displayed value on the LCD. |
| 5 | Power Outputs (×4) | Four power outlet sockets for connecting lighting fixtures. |
| 6 | Channel LEDs (×4) | Green LED indicators — illuminate when the corresponding channel is active. |
| 7 | LCD Display | Multifunction display for monitoring and adjusting settings in both DMX and Chase modes. |

2.2 Rear Panel



| No. | Control | Function |
|-----|--------------------|---|
| 8 | Channel Fuses (×4) | Each channel is protected by a 6.3A fuse (F6.3A 250V, 5×20mm). These fuses protect the unit from overload damage. Always replace it with the exact same type. |
| 9 | Power Switch | Main power on/off switch. |
| 10 | Power Cord | Mains power cable. Connect to a rated power supply matching your region's voltage. |
| 11 | DMX Input | 3-pin XLR connector for receiving DMX control signal from a controller or upstream device. Pin 1 = Ground, Pin 2 = Data-, Pin 3 = Data+. |
| 12 | DMX Output | 3-pin XLR connector for passing DMX signal through to the next device in the chain. |

2.3 LCD Display Reference

The LCD shows different information depending on the current mode:

| Mode | Menu Item | Display | Range |
|--------------|--------------------|--------------------|---------------|
| DMX | Total DMX Channels | CH01 / CH02 / CH04 | 01, 02, or 04 |
| DMX | DMX Address | A001–A512 | 001–512 |
| Chase | Built-in Program | P01–P16 | 01–16 |
| Chase | Chase Speed | SP01–SP99 | 01–99 |
| Chase | Dimming Level | D000–D100 | 000–100 |

3. Operating Instructions

The DMX-DIMMER4 has two operating modes: Chase mode (standalone chaser) and DMX mode (DMX-controlled dimmer). Use the MODE button to switch between them.

- Chase mode is indicated on the LCD by "PA" followed by a number (e.g. PA01). "PA" stands for Program Applied.
- DMX mode is indicated by "A" followed by three digits (e.g. A001). "A" stands for Address.

3.1 Chase Mode

Chase mode allows the unit to operate as a standalone 4-channel chaser without an external DMX controller. The unit includes 16 built-in chase programs.

1. Connect your lighting fixtures to the power output sockets on the front panel.
2. Press the **MODE** button to enter Chase mode. The LCD will display "PA" followed by a program number.

Selecting a Chase Program: 3. Press the **MENU** button until the LCD displays "P" followed by two digits (e.g. P01). 4. Use the ▲ and ▼ buttons to select a program from P01 to P16. You can also set the unit to cycle through all 16 programs automatically for a varied show effect.

Adjusting Chase Speed: 5. Press the **MENU** button until the LCD displays "SP" followed by two digits. 6. Use the ▲ and ▼ buttons to set the speed:

- SP01 = slowest (approximately 1 step per 30 seconds)
- SP99 = fastest (approximately 1 step per 0.1 seconds)

Adjusting Dimming Level: 7. Press the **MENU** button until the LCD displays "d" followed by a value. 8. Use the ▲ and ▼ buttons to set the output intensity:

- 00 = lowest output
- 99 = full intensity

3.2 DMX Mode

DMX mode allows the unit to function as a 1, 2, or 4-channel DMX dimmer/switcher controlled by an external DMX controller. This enables on/off switching and dimming of non-DMX lighting fixtures through DMX control.

1. Connect your DMX controller to the **DMX Input** on the rear panel using a 3-pin XLR cable.
2. Connect your lighting fixtures to the power output sockets on the front panel.
3. Press the **MODE** button to enter DMX mode. The LCD will display "A" followed by a three-digit address.

Setting the Channel Mode: 4. Press the **MENU** button until the LCD displays "CH" followed by two digits. 5. Use the ▲ and ▼ buttons to select the desired channel configuration:

| Setting | Behaviour |
|-------------|--|
| CH01 | All four outlets are controlled by a single DMX channel. |
| CH02 | Outlets are grouped into two pairs — outlets 1 & 2 on one DMX channel, outlets 3 & 4 on another. |
| CH04 | Each outlet is independently controlled by its own DMX channel (default). |

Setting the DMX Start Address: 6. Press the **MENU** button until the LCD displays "A" followed by three digits (e.g. A001). 7. Use the ▲ and ▼ buttons to select the desired start address (A001–A512). 8. Set the corresponding channel on your DMX controller to match this address. 9. Adjust the DMX output level on your controller to control fixture intensity — 0% gives no output, 100% gives full output.

3.3 Replacing Fuses

Each of the four channels is protected by a 6.3A fuse. If a fuse blows, replace it as follows:

1. **Disconnect the unit from mains power before performing any service.**
2. Use a flat-head screwdriver to unscrew the fuse holder on the rear panel.
3. Remove the blown fuse and insert a replacement of the exact same type (F6.3A 250V, 5×20mm).
4. Tighten the fuse holder back into place.

Important: Always use the same fuse type. If you are unsure, consult an authorised service technician before replacing.

4. Safety & Operational Notes

4.1 Important Notices

- There are no user-serviceable parts inside this unit. Do not attempt repairs yourself — doing so will void the warranty.
- If the unit requires service, contact your nearest authorised dealer.
- After unpacking, inspect the unit for any damage incurred during shipping. If in doubt, do not use it — contact your authorised dealer.
- Keep all packaging materials (plastic bags, foam, etc.) out of reach of children.
- If serious operational issues arise, stop use immediately and contact your dealer.
- Do not disassemble or modify this unit in any way.

4.2 Safety Tips

- To reduce the risk of electric shock or fire, do not expose this unit to rain or moisture.
- This unit operates on mains voltage. Always ensure it is connected to a properly earthed power supply.
- Ensure the local mains voltage matches the unit's rated input before connecting.
- Frequent memory clearing may cause damage to the memory chip — avoid reinitialising the unit unnecessarily.

- Do not operate this unit if the power cord is frayed or damaged. Do not run the power cord through areas where it may be stepped on or pinched.
- Disconnect from mains power before making any connections or performing fuse replacement.
- Do not remove the outer casing under any circumstances.
- Disconnect from mains power when the unit will not be used for an extended period.
- Do not spill liquids on or into the unit.
- Do not operate under the following conditions:
 - Environments with excessive humidity
 - Environments subject to excessive vibration or physical shock
 - Temperatures above 45°C (113°F) or below 2°C (35.6°F)
- Retain the original packaging in case the unit needs to be returned for service.
- This unit should be operated by adults only. Keep out of reach of children.
- The maximum load per channel is 6.3A. The maximum combined load across all four channels is 16A. Do not exceed these ratings.
- This unit features zero-crossing circuitry, making it safe for use with transformer-equipped lighting fixtures and inductive loads.