

**EQUIN X**

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# DOMIN8R II

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**Order code: EQLED53**



**User manual**

**WARNING**

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

**CAUTION!**

**Keep this equipment away from rain,  
moisture and liquids.**

**SAFETY INSTRUCTIONS**

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



**CAUTION! TAKE CARE USING THIS EQUIPMENT!  
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!**



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

**IMPORTANT:**

**The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.**

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Cleaning must be done at regular intervals.
- Before cleaning, wait until the unit has cooled.
- Use a vacuum or dry compressed air and a soft brush to remove the dust collected on the external vents and accessible internal components.
- Clean the external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol and wipe with a soft, lint free cotton cloth or lense cleaning tissue.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 100V/240V.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. **THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.**
- **WARRANTY;** One year from date of purchase.

**OPERATING DETERMINATIONS**

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, LED failure etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and property.

**You should find inside the Equinox carton the following items:**

1, Equinox Domin8R 2

2, Power cable

3, Instruction manual

**Technical Specifications:**

DMX channels: 8 or 16 selectable

120 x 5mm LEDs (R: 40, G: 40, B: 40)

Sound active, auto, master/slave and DMX modes

IEC power in/out sockets

3-pin XLR in/out sockets

4 push button menu with LED display

Robust metal housing

Convection cooled

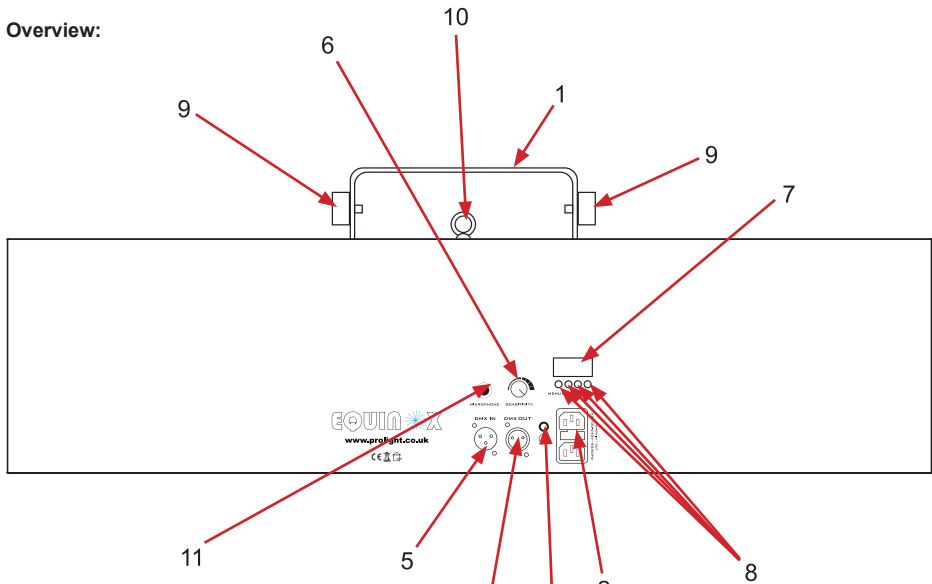
Power supply: 100-240V~50/60Hz

Fuse: 3 Amp

Power consumption: 90W

Dimensions: 906 x 112 x 317mm

Weight: 10.4Kgs

**Overview:****Identification:**

1. Hanging bracket
2. IEC power in/out socket
3. Earth screw
4. DMX output socket
5. DMX input socket
6. Sensitivity control
7. LED display
8. Function buttons
9. Hanging bracket tightening knobs
10. Safety eye
11. Microphone

## Operation modes:

### DMX mode:

To select DMX mode, press the **"MENU"** button to show **"ADDR"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the DMX address from 001-512. When you have finished setting the desired DMX address press the **"ENTER"** button.

For DMX functions, please refer to the DMX function chart overleaf.

### DMX channel mode:

To choose one of the DMX channel modes, press the **"MENU"** button to show **"CHND"** on the display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** button to choose the 8 or 16 DMX channel mode. To confirm your choice, press the **"ENTER"** button.

### Master/slave mode

To select the slave mode, press the **"MENU"** button to show **"SLND"** on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to select either **"MAST"**, **"SLA1"** or **"SLA2"**.

**"MAST"** option: This is the master setting mode, where you can set the first unit as a master.

**"SL-1"** option: This is the normal slave mode, where the slave units all do the same thing following the master unit.

**"SL-2"** option: This is the inversion slave mode, where the slave unit(s) will react in the opposite direction from the master unit.

### Sound active mode:

To select sound active mode, press the **"MENU"** button to show **"SOUN"** on the LED display. Now press the **"ENTER"** button and use the **"UP"** and **"DOWN"** buttons to set the sound active mode **"ON"** or **"OFF"**. The unit will now react to the beat of the music.

**Note: When there is no music present the unit will automatically switch to slow auto run.**

### LED mode

Use this mode to turn the LED display ON or OFF. To do this, press the **"MENU"** button to show **"LED"** on the display. Now use the **"UP"** and **"DOWN"** buttons to select either **"ON"** or **"OFF"**.

### Display mode

In this mode you can flip the display over to match which way the unit is being used. To flip the display, press the **"MENU"** button to show **"DISP"** on the display. Now press the **"ENTER"** button to flip the display over and again to flip it back to its original position.

### Test mode

In this mode you can test that all of the LEDs are illuminating. To do this, press the **"MENU"** button to show **"TEST"** on the display. Now press the **"ENTER"** button to initiate the test. Once you are happy with the test, press the **"ENTER"** button to stop it.

### Hour mode (non re-settable)

In this mode you can check the total time the unit has been used for. To check the units time line, press the **"MENU"** button to show **"HOUR"** on the display. Now press the **"ENTER"** button to display the units time usage. For example if the unit has been in use for 5 hours the display will show **"- - - 5"**. If the unit has been in use for 120 hours the display will show **"-120"** and so on.

**8 channel DMX chart:**

CHANNEL	VALUE	FUNCTION
1	0-127	No function
	128-255	On
2	0-255	Strobe (slow to fast)
3	0-255	Static pattern selector
4	0-255	Moving pattern selector
5	0-127	Static pattern
	128-255	Moving pattern
6	0-255	Moving pattern speed (slow to fast)
7	0-127	Manual mirror tilt
	128-255	Auto mirror tilt (up and down)
8	0-255	Mirror tilt speed

**16 channel DMX chart:**

CHANNEL	VALUE	FUNCTION
1	0-127	No function
	128-255	On
2	0-255	Strobe (slow to fast)
3	0-255	Static pattern selector
4	0-255	Moving pattern selector
5	0-127	Static pattern
	128-255	Moving pattern
6	0-255	Moving pattern speed (slow to fast)
7	0-127	Manual mirror 1 tilt
	128-255	Auto mirror 1 tilt (up and down)
8	0-127	Manual mirror 2 tilt
	128-255	Auto mirror 2 tilt (up and down)
9	0-127	Manual mirror 3 tilt
	128-255	Auto mirror 3 tilt (up and down)
10	0-127	Manual mirror 4 tilt
	128-255	Auto mirror 4 tilt (up and down)
11	0-127	Manual mirror 5 tilt
	128-255	Auto mirror 5 tilt (up and down)
12	0-127	Manual mirror 6 tilt
	128-255	Auto mirror 6 tilt (up and down)
13	0-127	Manual mirror 7 tilt
	128-255	Auto mirror 7 tilt (up and down)
14	0-127	Manual mirror 8 tilt
	128-255	Auto mirror 8 tilt (up and down)
15	0-255	Mirror tilt speed (slow to fast)
16	0-127	No function
	128-255	Sound active

**DMX-512:**

• DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a data "out" terminal).

**DMX Linking:**

• DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

**DATA Cable (DMX cable) requirements (for DMX operation):**

• The Equinox Domin8R 2 can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

**Figure 1**

Further DMX cables can be purchased from all good sound and lighting suppliers or Proflight dealers.

Please quote:

CABL10 – 2M

CABL11 – 5M

CABL12 – 10M

**Also remember that DMX cable must be daisy chained and cannot be split.**



**Notice:**

- Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

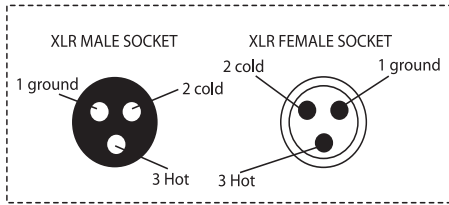
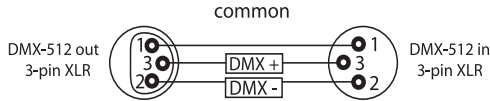


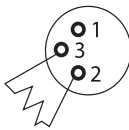
FIGURE 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

FIGURE 2

**Special Note: Line termination:**

- When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

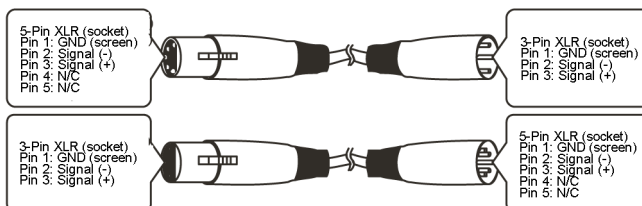


Termination reduces signal transmission problems and interference. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

**Using a cable terminator (part number CABL90 3-pin, CABL89 5-pin) will decrease the possibilities of erratic behaviour.**

**5-Pin XLR DMX Connectors:**

- Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.



**Notes:**

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**English**



**Correct Disposal of This Product  
(Waste Electrical & Electronic Equipment)**

**(Applicable in the European Union and other European countries with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



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