elumen8

MP75 LED Fresnel RGBL

User Manual

Order codes: ELUM710

WARNING

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

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, 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.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

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

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 unit.
- Do not open the equipment and do not modify the unit.
- 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.
- 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 mains supply voltage is between 100~240V AC, 50/60Hz.
- 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 and 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 connect power or 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, stop 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.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: Two years 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 and electric shocks etc.

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

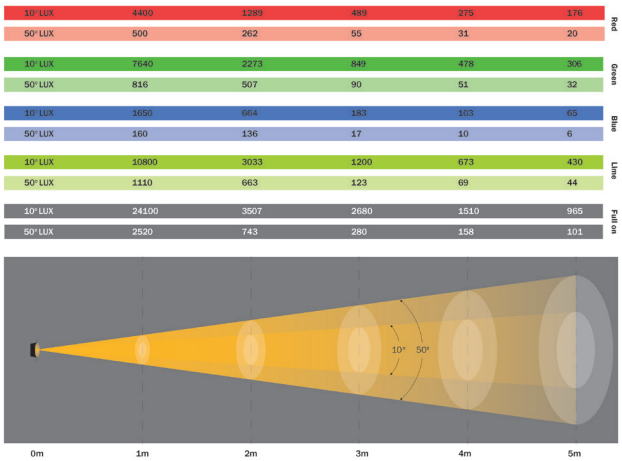
Incorrect installation or use can cause serious damage to people and/or property.

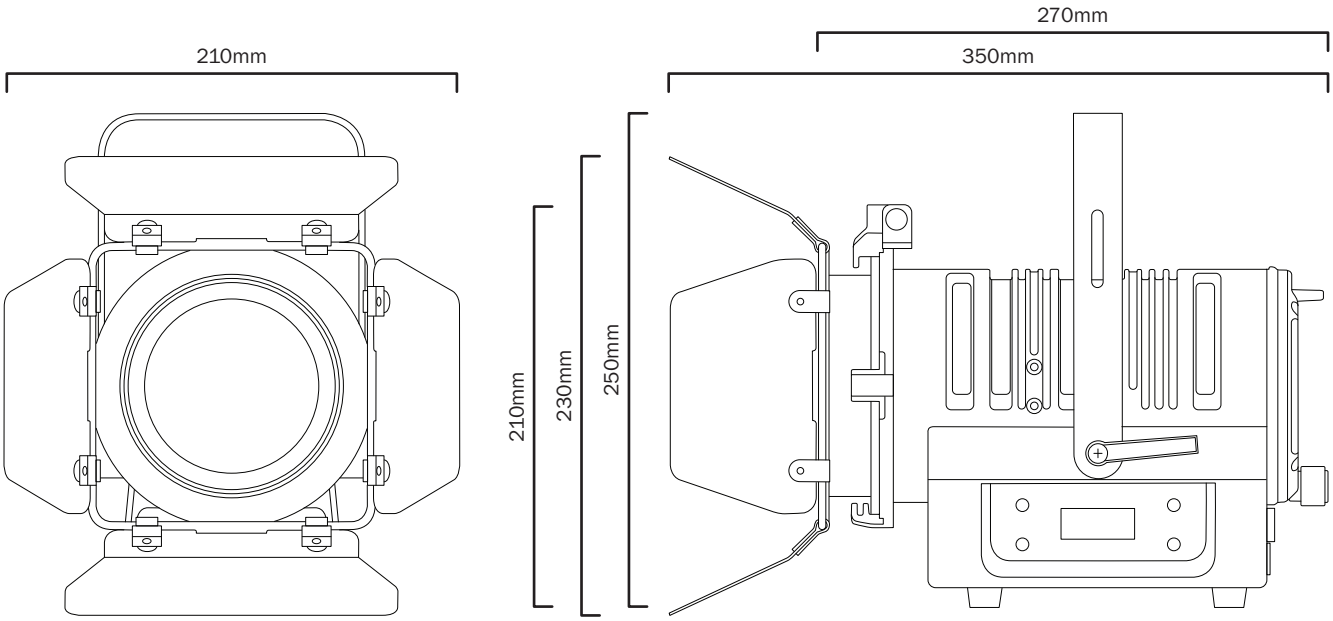
MP75 LED Fresnel RGBL

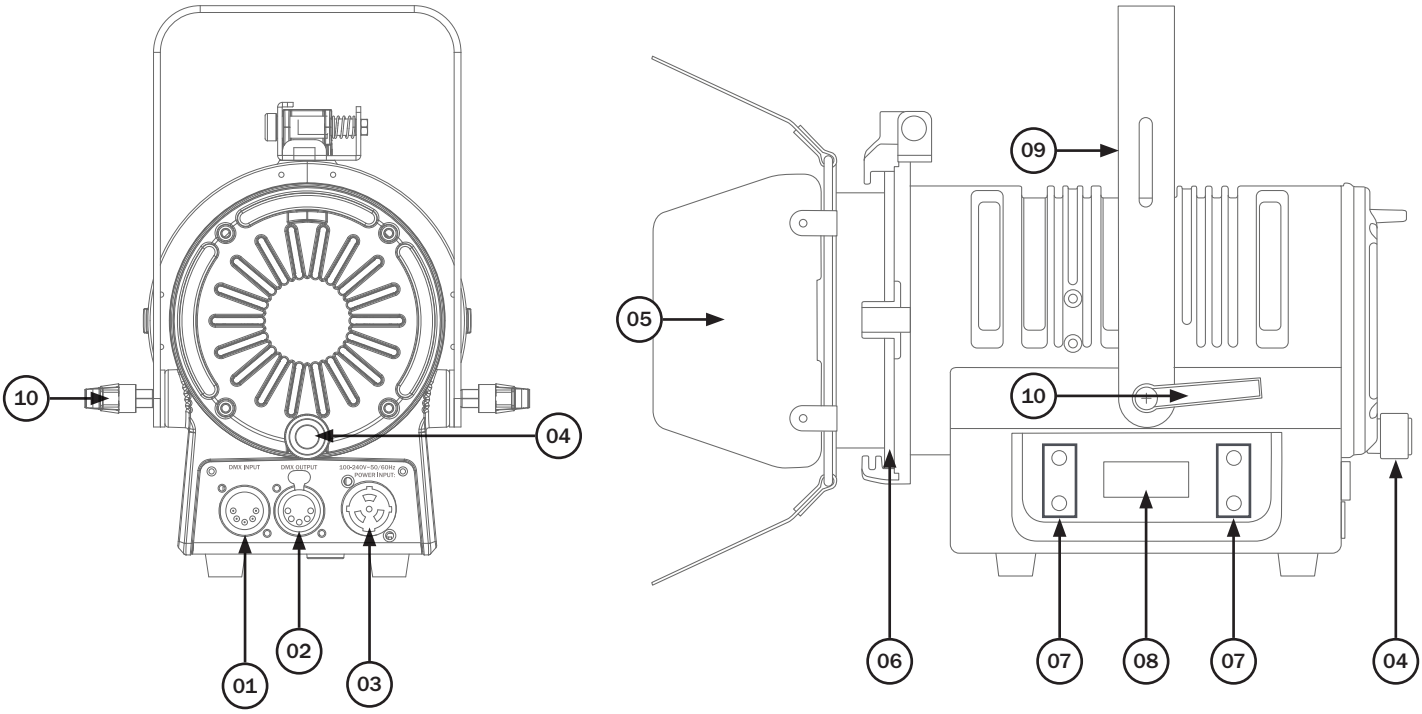
The Elumen8 MP75 is a compact RGBL fresnel fixture featuring a 75W quad-colour LED, delivering smooth colour mixing and consistent output with a manually adjustable 17°- 39° beam angle. These fixtures benefit from temperature controlled fan cooling for whisper quiet operation, ideal for small stages, studios and display lighting applications. A number of colour temperature macros spanning 2400K to 8500K allows for flexible white balance control. Housed in a durable, all-metal casing, it's easy to mount and transport. The MP75 RGBL includes 5-Pin DMX in/out and Seetronic PowerTwist TR1 in connections, and multiple modes including DMX, sound active, and stand-alone.

- 2 year warranty
- 1 x 75W quad-colour COB LED (RGBL)
- Manually adjustable beam angle: 17°- 39°
- 10°- 3,507 Lux @ 2m (full on), 50°- 743 Lux @ 2m (full on)
- CRI: 86.3
- Refresh rate: 1.8kHz
- DMX channels: 2/3/4/4/5/5 or 7 selectable
- Static colour, colour change, colour fade & sound active modes
- Colour temperature presets
- RDM (Remote Device Management)
- 0-100% dimming
- 4 dimming curves in both LED and halogen profiles: Linear, square law, inverse square law and S-curve
- 4 button menu with LCD display
- PowerTwist TR1 input
- 5-Pin XLR input/output
- Filter frame and barn doors included
- Temperature controlled fan

Specifications	MP75 LED Fresnel RGBL
Power consumption	71W
Power supply	100~240V, 50/60Hz
Dimensions	250 x 210 x 270mm
Weight	3.7kg
Order code	ELUM710

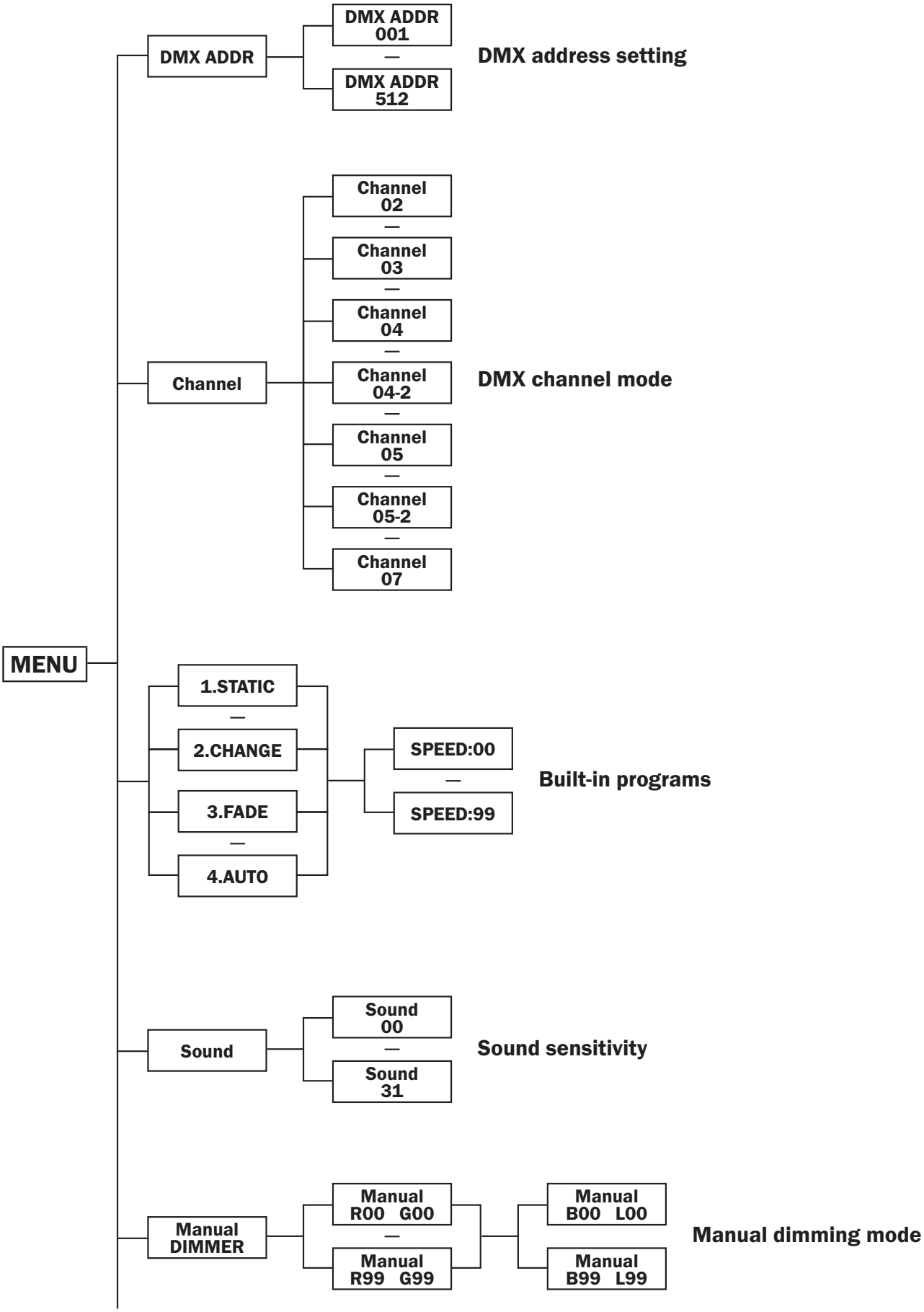


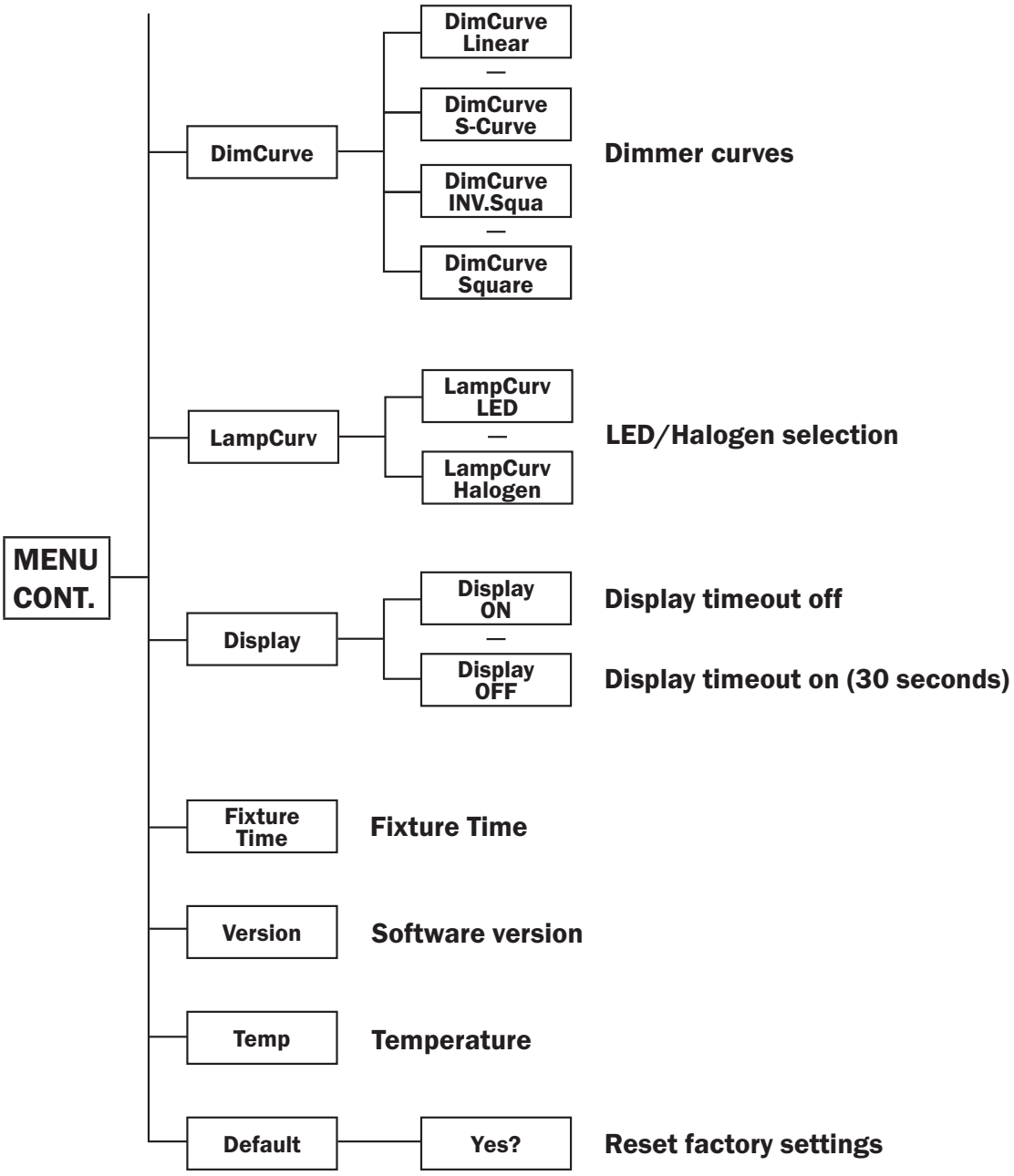




01 - 5-Pin DMX input
02 - 5-Pin DMX output
03 - PowerTwist TR1 input
04 - Adjustable zoom knob
05 - Barn doors
06 - Filter frame
07 - Function buttons
08 - LCD display
09 - Hanging bracket
10 - Hanging bracket adjustable knob

In the box: **1 x fixture, 1 x power cable.**


MENU
DMX ADDR
DMX ADDR 001
—
DMX ADDR 512
DMX address setting
Channel
Channel 02
—
Channel 03
—
Channel 04
—
Channel 04-2
—
Channel 05
—
Channel 05-2
—
Channel 07
DMX channel mode
1.STATIC
—
2.CHANGE
3.FADE
—
4.AUTO
SPEED:00
—
SPEED:99
Built-in programs
Sound
Sound 00
—
Sound 31
Sound sensitivity
Manual DIMMER
Manual R00 G00
—
Manual R99 G99
Manual B00 L00
Manual B99 L99
Manual dimming mode


MENU CONT.
DimCurve
DimCurve Linear
—
DimCurve S-Curve
DimCurve INV.Squa
—
DimCurve Square
Dimmer curves
LampCurv
LampCurv LED
—
LampCurv Halogen
LED/Halogen selection
Display
Display ON
—
Display OFF
Display timeout off
Display timeout on (30 seconds)
Fixture Time
Fixture Time
Version
Software version
Temp
Temperature
Default
Yes?
Reset factory settings

DMX mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX address mode, press the "**MENU**" button on the side of the unit to show "**DMX ADDR**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the required DMX address. Press the "**ENTER**" button to confirm the setting.

To exit out of any of the above options, press the "**MENU**" button.

To access the DMX channel mode, press the "**MENU**" button on the side of the unit to show "**Channel**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the 2/3/4/4/5/5 or 7 DMX channel modes. Press the "**ENTER**" button to confirm the setting. To exit out of any of the above options, press the "**MENU**" button.

2 channel mode:

Channel	Value	Function
CH1	000-240	Master dimmer (0-100%)
	241-255	Strobe (slow-fast)
CH2	000-004	White
	005-010	Red
	011-015	Green
	016-020	Blue
	021-025	Lime
	026-030	Red/Green
	031-035	Green/Blue
	036-040	Red/Blue
	041-045	Red/Lime
	046-050	Green/Lime
	051-055	Blue/Lime
	056-060	Red/Green/Blue
	061-065	Red/Green/Lime
	066-070	Red/Blue/Lime
	071-075	Green/Blue/Lime
	076-080	Red/Green/Blue/Lime
	081-150	Colour change (fast-slow)
	151-255	Colour fade (fast-slow)

3 channel mode:

Channel	Value	Function
CH1	000-255	Red (0-100%)
CH2	000-255	Green (0-100%)
CH3	000-255	Blue (0-100%)

4 channel mode:

Channel	Value	Function
CH1	000-255	Red (0-100%)
CH2	000-255	Green (0-100%)
CH3	000-255	Blue (0-100%)
CH4	000-255	Lime (0-100%)

4-2 channel mode:

Channel	Value	Function
CH1	000-255	Red (0-100%)
CH2	000-255	Green (0-100%)
CH3	000-255	Blue (0-100%)
CH4	000-190	Master dimmer (0-100%)
	191-200	Sound/sensitivity control
	201-247	Strobe
	248-255	Full on

5 channel mode:

Channel	Value	Function
CH1	000-255	Red (0-100%)
CH2	000-255	Green (0-100%)
CH3	000-255	Blue (0-100%)
CH4	000-255	Lime (0-100%)
CH5	000-255	Master dimmer (0-100%)

5-2 channel mode:

Channel	Value	Function
CH1	000-255	Red (0-100%)
CH2	000-255	Green (0-100%)
CH3	000-255	Blue (0-100%)
CH4	000-255	Lime (0-100%)
CH5	000-045	No function
	046-075	2400K
	076-105	3200K
	106-135	4500K
	136-165	5600K
	166-195	6500K
	196-225	7500K
	226-255	8500K

7 channel mode:

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Strobe (slow-fast)
CH3	000-255	Red (0-100%)
CH4	000-255	Green (0-100%)
CH5	000-255	Blue (0-100%)
CH6	000-255	Lime (0-100%)
CH7	000-004	No function
	005-010	Red
	011-015	Green
	016-020	Blue
	021-025	Lime
	026-030	Red/Green
	031-035	Green/Blue
	036-040	Red/Blue
	041-045	Red/Lime
	046-050	Green/Lime
	051-055	Blue/Lime
	056-060	Red/Green/Blue
	061-065	Red/Green/Lime
	066-070	Red/Blue/Lime
	071-075	Green/Blue/Lime
	076-080	Red/Green/Blue/Lime
	081-150	Colour change (fast-slow)
	151-255	Colour fade (fast-slow)

Built-in programs:

To access the built-in program, press the "**MENU**" button to show "**01.STATIC**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the 4 built-in programs (01-04) (see table overleaf).
To choose one of the 15 colours in the "**STATIC**" mode, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to choose one of the following 15 colours.

To adjust the speed level in the remaining 3 built-in programs, press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the desired speed level (00-99). Press the "**ENTER**" button to confirm your setting.
To exit out of any of the above options, press the "**MENU**" button.

Built-in programs:

Value	Function
Static colour CL: BLAC-RGBL	Blackout, Red, Green, Yellow, Blue, Magenta, Cyan, White (RGB), Lime (L), Pastel Red, Pastel Green, Warm white, Pastel Blue, Pastel Magenta, Pastel Cyan, White (RGBL)
Colour change Speed: 00-99	15 colour change Speed adjustable
Fade Speed: 00-99	15 colour fade Speed adjustable
Auto Speed: 00-99	15 colour change & fade Speed adjustable

Sound active mode:

To select the sound active mode, press the "**MODE**" button to show "**Sound**" on the LCD display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to adjust the sound sensitivity level (00-31). Press the "**ENTER**" button to confirm your setting.
(01 = low sensitivity, 31 = high sensitivity).

To exit out of any of the above options, press the "**MODE**" button.

Manual dimming mode:

To access the manual dimming mode, press the "**MENU**" button on the rear of the unit to show "**Manual**" on the LCD display. The unit is now in manual dimming mode. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the brightness of "**R**" from "**0**" - "**99**". Repeat for "**G**", "**B**" and "**L**". Press the "**ENTER**" button to confirm the setting.

(0 = LED off, 99 = LED at full brightness).

To exit out of any of the above options, press the "**MENU**" button.

Dimming curves

To access the units dimmer curves, press the "**MENU**" button on the rear of the unit to show "**DimCurve**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the dimming curve required.

"**Linear**" - LED Linear dimming curve

"**Square**" - LED Square dimming curve

"**INV.Squa**" - LED Inverse Square dimming curve

"**S-Curve**" - LED S-Curve dimming curve

Press the "**ENTER**" button to confirm the setting.

To choose between Halogen and LED dimmer curves, press the "**MENU**" button on the side of the unit to show "**LampCurv**" on the LCD display. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the dimming curve mode required.

"**LED**" - LED dimming curves

"**Halogen**" - Halogen dimming curves

To exit out of any of the above options, press the "**MENU**" button.

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 511. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

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 manufacturers 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):

This fixture 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 5-pin XLR connector for data input/output, see image below.

Note: DMX cable must be daisy chained and cannot be split.

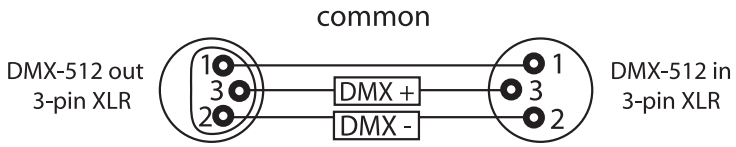
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

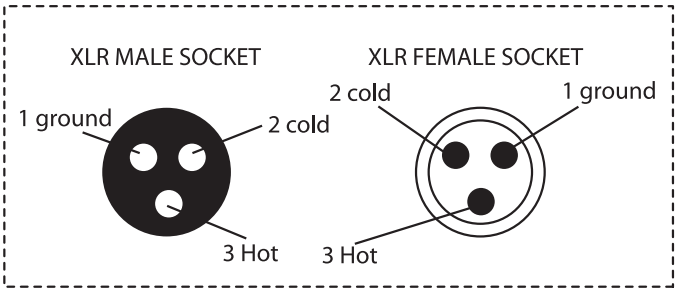
Please quote:

- **CABL185 – 2m**
- **CABL187 – 5m**
- **CABL188 – 10m**

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.





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

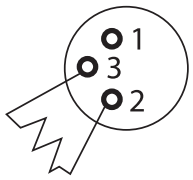
Special note:

Line termination:

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

Using a cable terminator will decrease the possibilities of erratic behaviour.

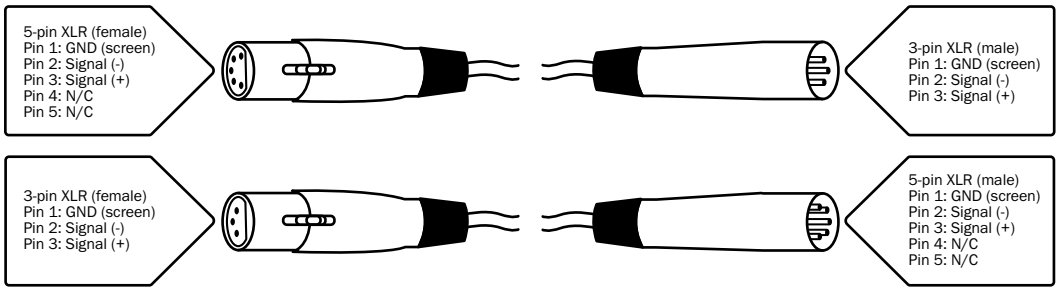
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



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.

5-pin XLR DMX connectors:

Some manufacturers 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 diagram below details the correct cable conversion.



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.