TRANSCENSION

Multi Pack

User Manual

Order code: BOTE30

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 via the power supply.
- 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 voltage is 240V AC~50Hz.
- 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 Pro Light 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 and electric shocks etc.

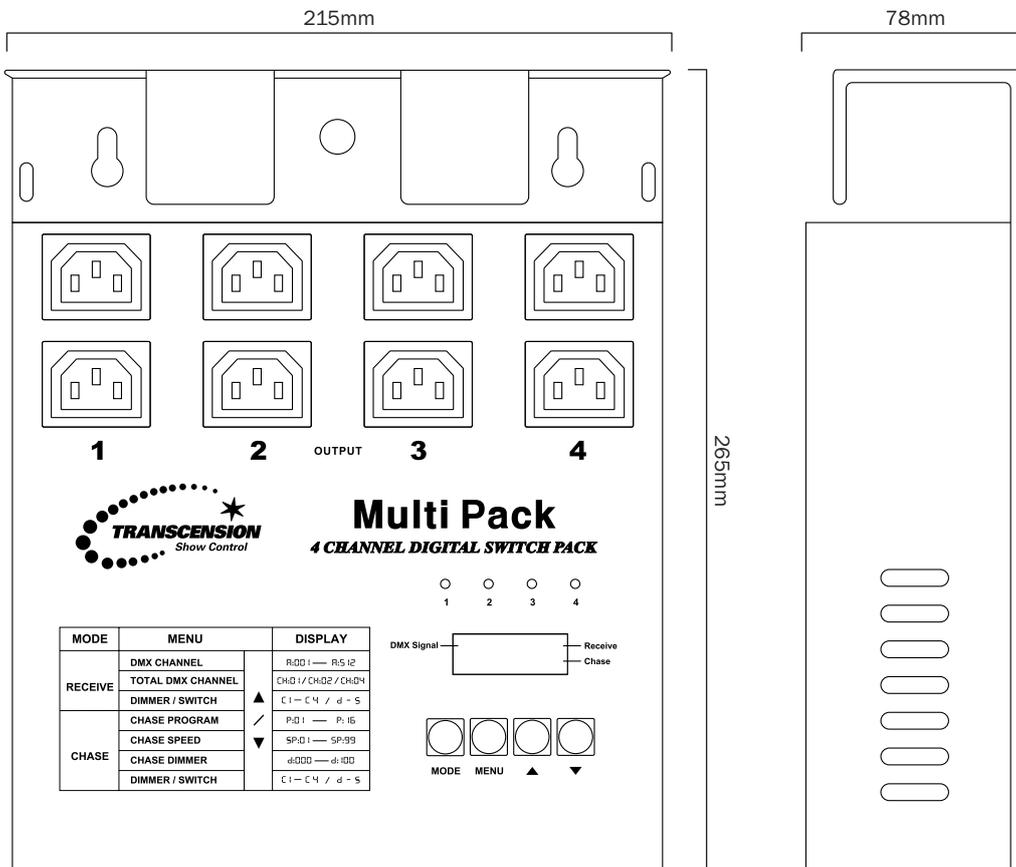Do not endanger your own safety and the safety of others!

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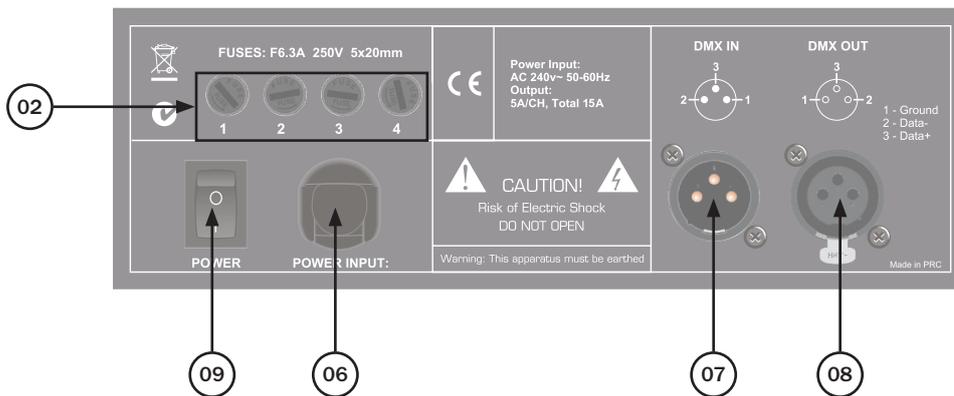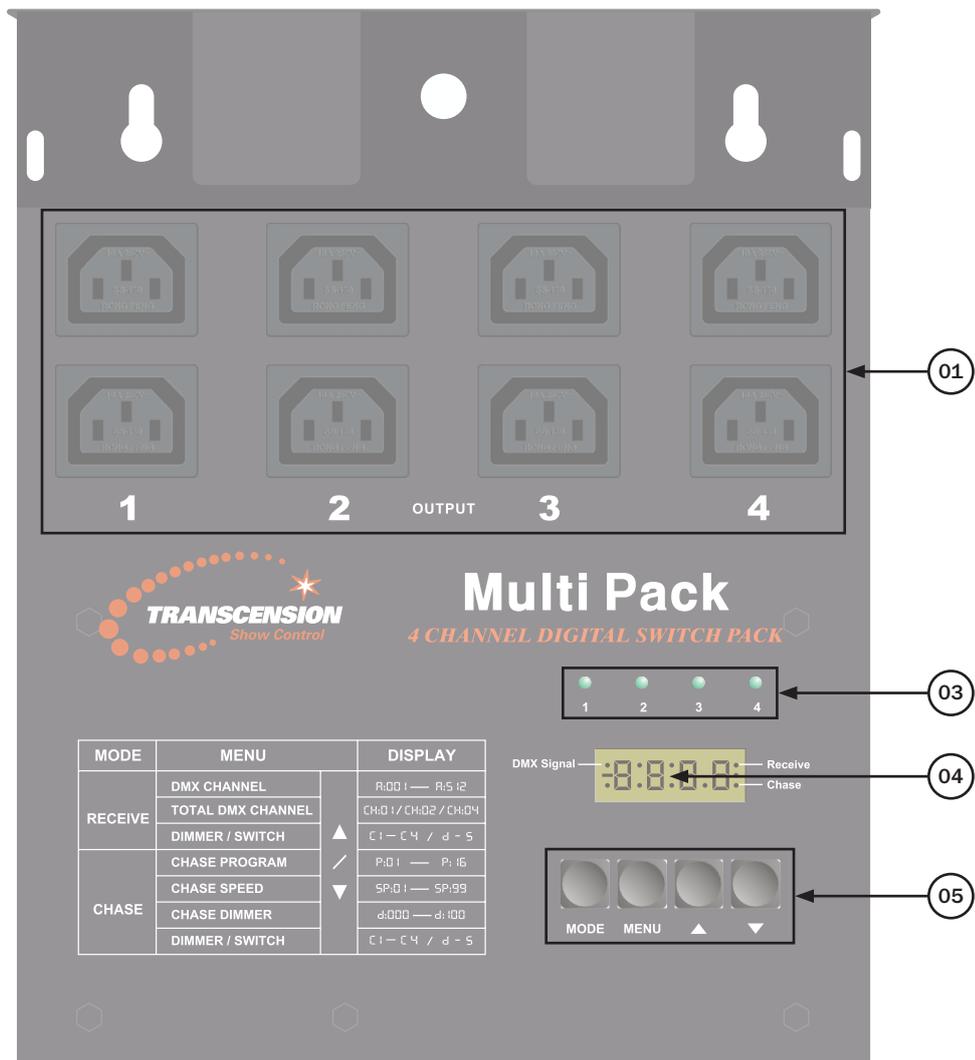
Multi Pack

The Multi Pack dimmer/switch pack is a 4 channel DMX dimmer/switch pack and is suitable for switching LED fixtures. With an LCD display the multi pack offers a full function professional performance for a varied and diverse DMX light show.

- 4 channel DMX dimmer/switch pack
- Built in programs and master/slave link
- Program chase speed/stand alone function
- 4 push button menu with LCD display
- 3-Pin XLR input/output
- Output: 8 x IEC Sockets
- Maximum power: 5A (per channel)

Specifications	
Power supply	240V, 50Hz
Fuse	F6.3A 250V
Dimensions	265 x 215 x 78mm
Weight	2.9kg
Order code	BOTE30

MODE	MENU	DISPLAY	
RECEIVE	DMX CHANNEL	R:001 — R:512	▲
	TOTAL DMX CHANNEL	CH:01 / CH:02 / CH:04	
	DIMMER / SWITCH	C1 — C4 / d - S	
CHASE	CHASE PROGRAM	P:01 — P: 16	/
	CHASE SPEED	SP:01 — SP:99	
	CHASE DIMMER	d:000 — d:100	▼
	DIMMER / SWITCH	C1 — C4 / d - S	

01 - 8 x IEC outputs
02 - Output fuses (F6.3A)
03 - Channel indicators

04 - LCD display
05 - Function buttons
06 - Captive power connection

07 - 3-Pin XLR DMX input
08 - 3-Pin XLR DMX output
09 - Power switch on/off

In the box:
**1 x multi pack
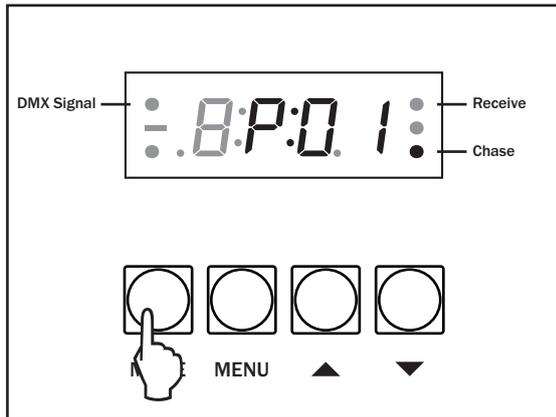& 1 x user manual**

Operation:

This unit has two switchable working modes. It can be used as a 4 channel chaser or as a 1, 2 or 4 channel DMX dimmer/switch pack.

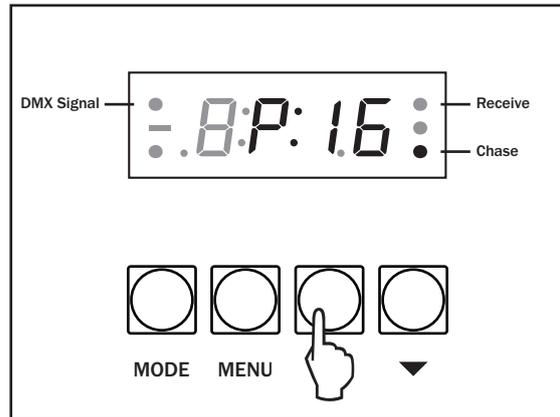Please follow the following instructions to operate the unit as required.

Chase mode:

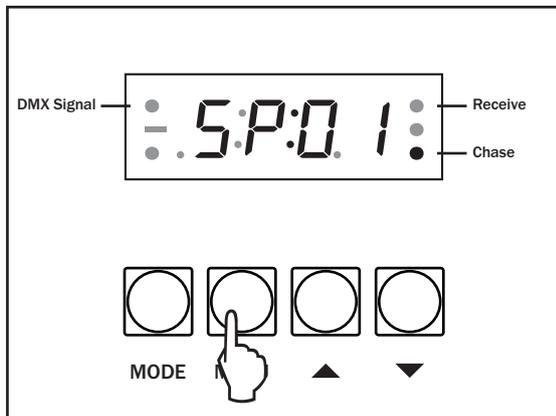This mode should only be used when the unit is required to act as a 4 channel chaser.
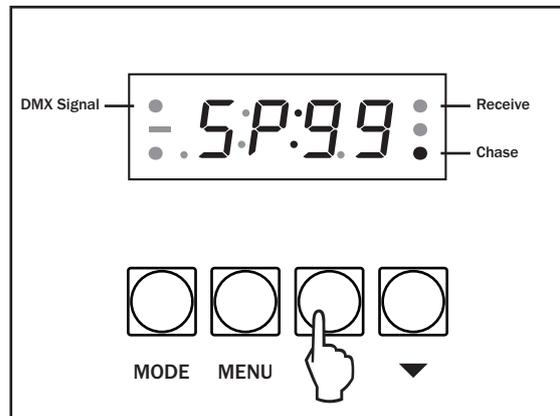
This unit has 16 built-in programs.

Press the "**MODE**" button on the front of the unit to show $P: \, --$ on the LCD display.

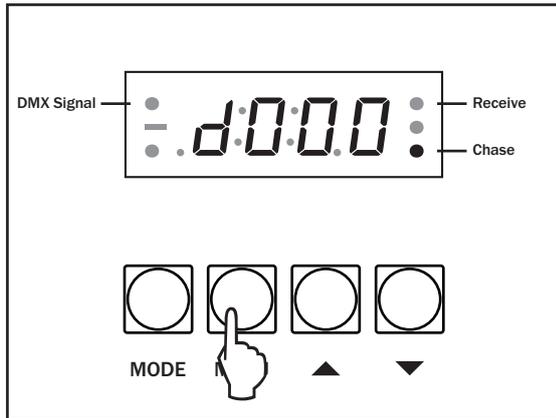Now use the "**UP**" and "**DOWN**" buttons to select the program required from $P:01 \sim P:16$.

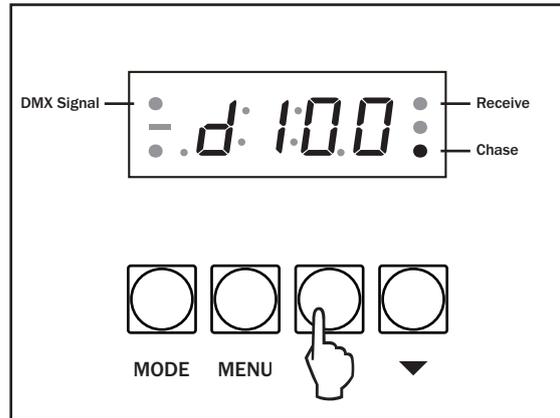Press the "**MENU**" button on the front of the unit to show $SP:--$ on the LCD display.

Value: 01 - 99 (01 = slow speed, 99 = high speed)

Now use the "**UP**" and "**DOWN**" buttons to select the chase speed required from $SP:01 \sim SP:99$.

Chase mode cont.:

DMX Signal — :.d:000:. — Receive / Chase

MODE   MENU   ▲   ▼

Press the "**MENU**" button again to show *d - - -* on the LCD display.

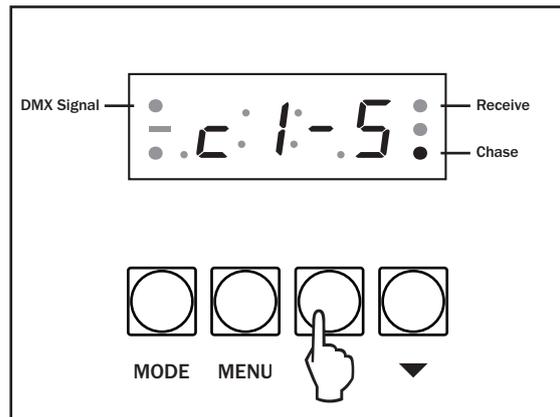DMX Signal — :.d:100:. — Receive / Chase

MODE   MENU   ▼

Now use the "**UP**" and "**DOWN**" buttons to select the chase light output intensity required from *d000 ~ d100*.

Value: 000 - 100 (000 = low light output, 100 = high light output)

DMX Signal — :.c:1-.d:. — Receive / Chase

MODE   MENU   ▲   ▼
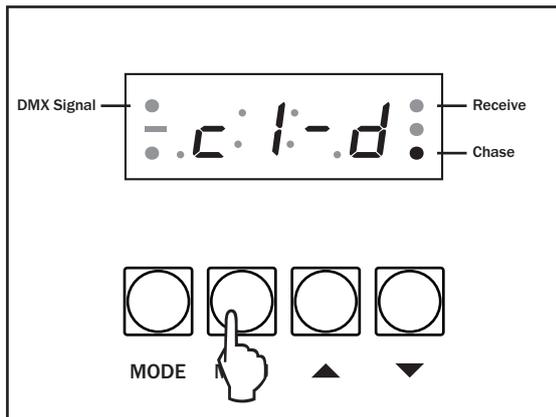
Press the "**MENU**" button again to show *c 1-d* (channel 1) on the LCD display.

DMX Signal — :.c:1-.5:. — Receive / Chase

MODE   MENU   ▼

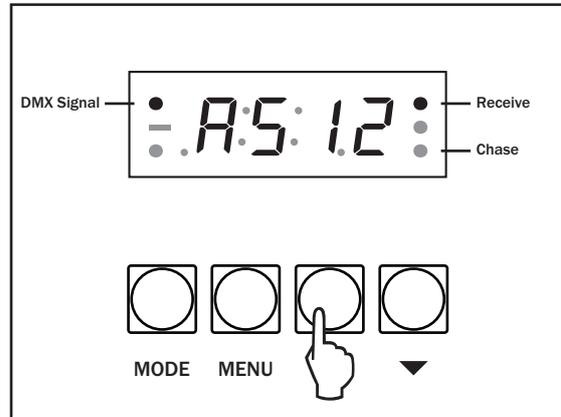Now use the "**UP**" and "**DOWN**" buttons to set whether each channel is a dimmer (*d*) or switch (*5*).

Use the "**MENU**" button to repeat for *c2* (channel 2), *c3* (channel 3) & *c4* (channel 4). To exit out of any of the above options, press the "**MODE**" button.

DMX mode:

This mode is only if the unit is being used as a DMX dimmer. This mode will allow you to turn on, turn off and control the intensity of non DMX fixtures with the use of a DMX controller. The multi pack may also be used as a 1, 2 or 4 channel DMX dimmer pack allowing you to combine the output functions.
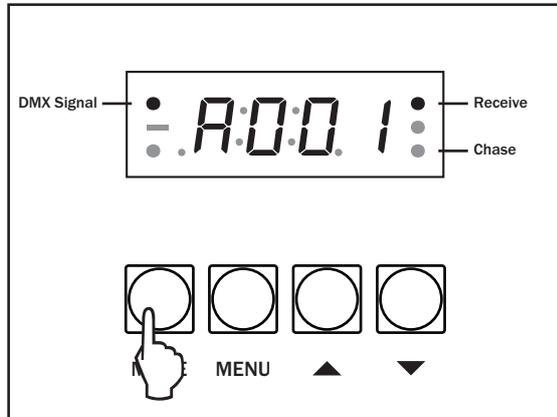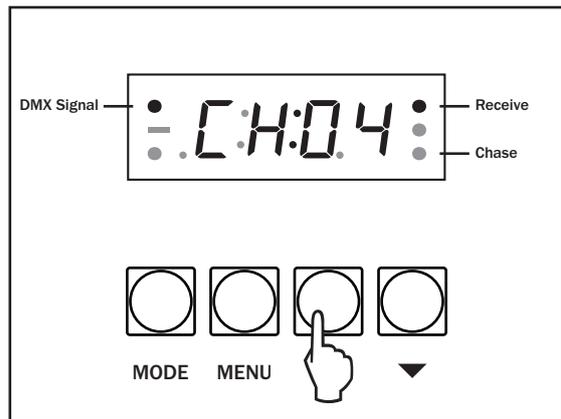

Press the **"MODE"** button on the front of the unit to show *A001* on the LCD display.

Now use the **"UP"** and **"DOWN"** buttons to set the required DMX address from *A001~A512*.
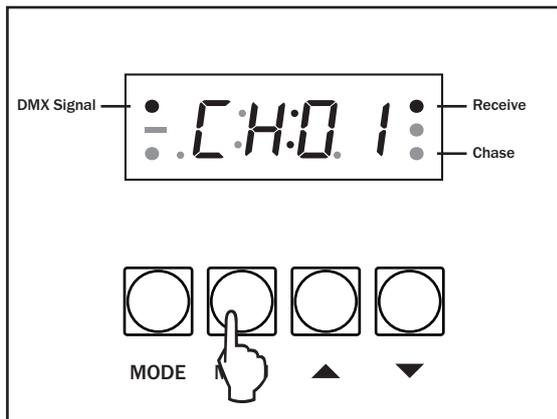
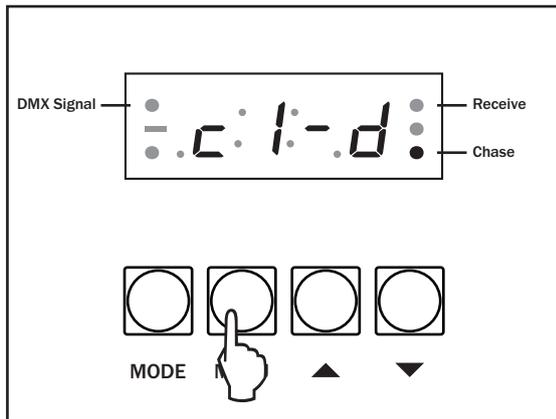Press the **"MENU"** button to show *CH:- -* on the LCD display.

Now use the **"UP"** and **"DOWN"** buttons to select the DMX channel required *CH:01, CH:02* or *CH:04*.

CH:01 - controls outputs 1-4 from channel 1

CH:02 - controls output 1 & 2 from channel 1 and output 3 & 4 from channel 2

CH:04 - controls all each output individually, channels 1-4

DMX mode (cont.):

Press the "**MENU**" button again to show ⊏ 1-d (channel 1) on the LCD display.

Use the "**MENU**" button to repeat for ⊏ 2 (channel 2), ⊏ 3 (channel 3) & ⊏ 4 (channel 4). To exit out of any of the above options, press the "**MODE**" button.

Now use the "**UP**" and "**DOWN**" buttons to set whether each channel is a dimmer (d) or switch (5).

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a "start address" from 1- 512. 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 form 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):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit requires either a standard 3-pin or 5-pin XLR connector for data input/output, see images below.
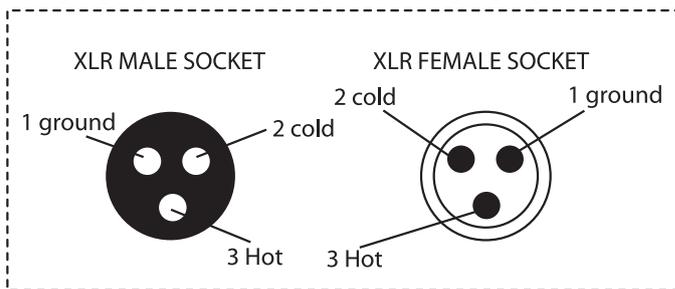

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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

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.

common

DMX-512 out
3-pin XLR

DMX +
DMX -

DMX-512 in
3-pin XLR

XLR MALE SOCKET

1 ground

2 cold

3 Hot

XLR FEMALE SOCKET

2 cold

3 Hot
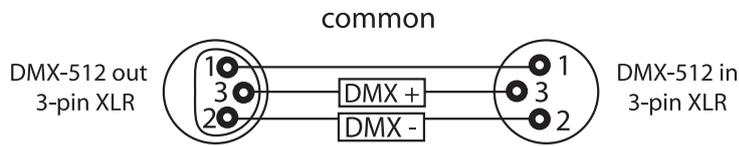
1 ground

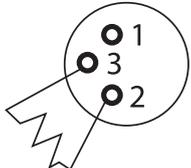| XLR Pin Configuration |
| :---: |
| Pin 1 = Ground |
| Pin 2 = Negative |
| Pin 3 = Postive |

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.
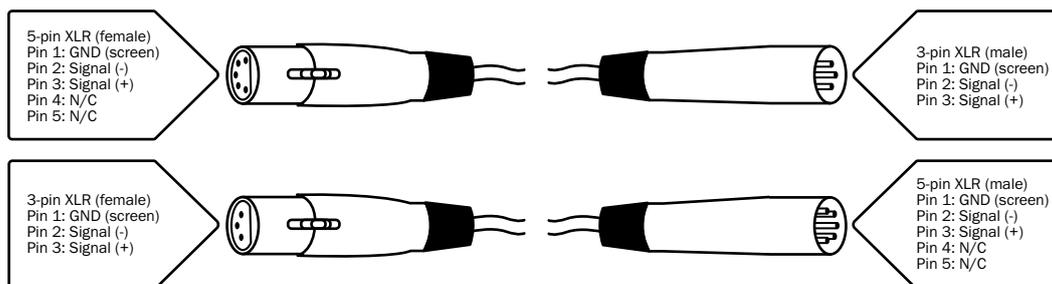**(3-pin - Order ref: CABL9O, 5-pin - Order ref: CABL89)**

Termination reduces signal transmission problems and interferance. 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 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 diagram below details the correct cable conversion.

5-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

3-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

3-pin XLR (female)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

5-pin XLR (male)
Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

TRANSCENSION

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 of 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.