

TRANSCENSION

UP2 PRO Dimmer

User Manual



Order code: BOTE37

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.



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 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!

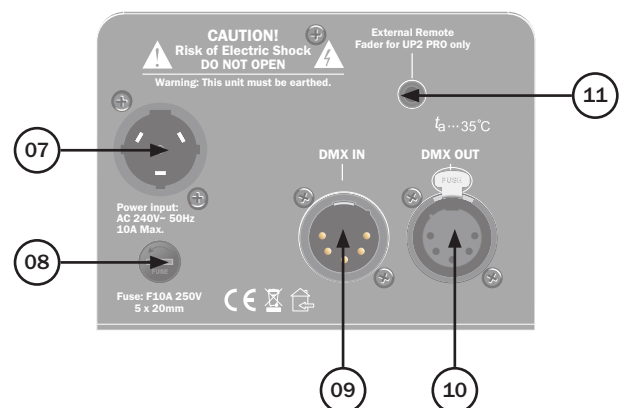
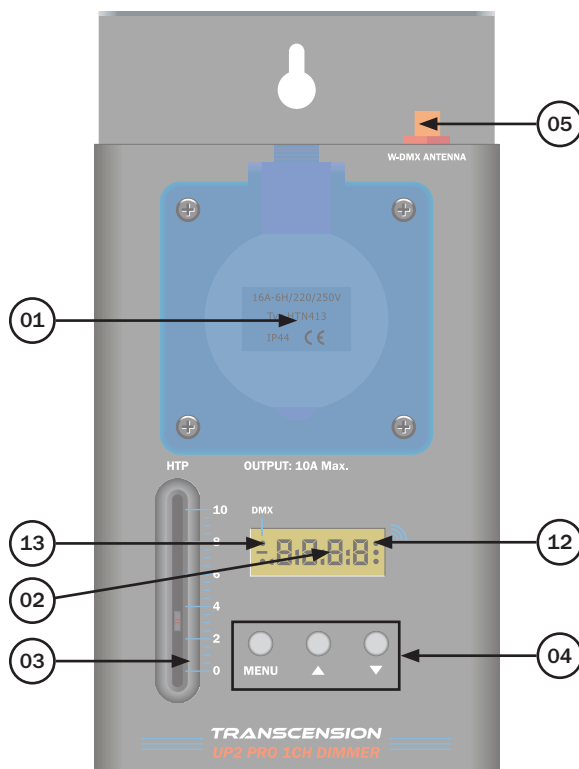
Incorrect installation or use can cause serious damage to people and/or property.

UP2 PRO Dimmer

This convection cooled dimmer comes with an external remote HTP fader. These dimmers are perfect for using with standalone fixtures in small studios, for follow spots or for incorporating into and expanding DMX systems. Suitable for use with non-incandescent loads when used as a switch pack. W-DMX on board to receive wireless DMX, this unit can also then output the DMX received by the wireless to allow use as a W-DMX receiver in the DMX signal chain.

- Compact, 1 channel DMX/HTP dimmer pack
- Dim preset - Dim limiter
- HTP function
- Remote fader included
- Can be configured as a switch pack
- Easy-to-use mounting bracket
- PowerCON TRUE1 input
- 5-Pin XLR input/output
- Output connector: 16A
- Maximum output: 10A
- Trailing edge dimming technology
- W-DMX on board to receive wireless DMX and relay the wireless signal via the XLR output

Specifications	UP2 PRO Dimmer
Power supply	240V, 50Hz
Fuse	F10A 250V
Dimensions	218 x 116 x 133mm
Weight	1.4kg
Order code	BOTE37



- 01 - 16A output
- 02 - LED display
- 03 - HTP fader
- 04 - Function buttons
- 05 - Wireless antenna
- 06 - External HTP fader
- 07 - PowerCON TRUE1 input
- 08 - Fuse F10A 250V
- 09 - 5-Pin XLR DMX input
- 10 - 5-Pin XLR DMX output

- 11 - Phone jack to connect external HTP fader
- 12 - Wireless DMX indicator
- 13 - DMX indicator

In the box:
1 x controller,
1 x antenna,
1 x external HPT fader,
1 x power cable
& 1 x user manual

Wireless DMX linking:

- 1) To link the UP2 PRO Dimmer to a wireless transmitter you should follow the instructions from the transmitters user manual. The UP2 PRO Dimmer can not be used as a wireless transmitter but can relay the wireless signal being received via the XLR output.
- 2) Make sure the UP2 is not connected already to a transmitter, this can be done by checking the wireless DMX indicator on the front of the unit.

Wireless DMX LED indicator:

LED off - the UP2 PRO is not linked to a transmitter



LED flashing slowly - the UP2 PRO is linked to a transmitter, however there is no DMX signal



LED on - the UP2 PRO is linked to a transmitter, DMX signal is being received



LED flashing fast - the UP2 PRO is trying to establish a connection/connection has been lost

Wireless DMX unlinking:

- 1) To unlink the UP2 PRO Dimmer via the wireless transmitter you should follow the instructions from the transmitters user manual.
- 2) To unlink the UP2 PRO Dimmer via the onboard menu, press and hold the “MENU” and “▼” buttons for 5 seconds. The UP2 PRO will now unlink and the wireless DMX indicator will go off.

Remote control/manual control mode:

To select the mode, press the “MENU” button to show *FUN* on the LED display. Now use the “▲” and “▼” buttons to set the select between *FUN 1* (DMX/wireless DMX receiver enabled) and *FUN 2* (manual mode).

DMX mode:

To access the DMX address mode, press the “MENU” button to show *ADD 1* on the LED display. Now use the “▲” and “▼” buttons to set the required DMX address.

1 channel mode:

Channel	Value	Function
CH1	000-255	Dimmer (0-100%)

Dimmer/switch mode:

To select between dimmer and switch mode, press the “MENU” button to show *d0n* on the LED display. Now use the “▲” and “▼” buttons to set the select between *d0n* (dimmer mode enabled) and *d0FF* (switch mode enabled).

Dimming limit:

To access the dimming limit, press the “MENU” button to show *L 100* on the LED display. Now use the “▲” and “▼” buttons to set the select the maximum dimming limit value between *L 000* and *L 100*.

Wired/wireless DMX control:

To select between wired/wireless, press the “MENU” button to show *1F:0n* on the LED display. Now use the “▲” and “▼” buttons to set the select between *1F:0n* (wired DMX) and *1F:0F* (wireless DMX).

Manual dimming mode:

Once you have set the device to *FUN 2* (see above), press the “MENU” button to show *P 100* on the LED display. Now use the “▲” and “▼” buttons to set the select the required dimmer value between *P 000* and *P 100*.

Full on mode:

Once you have set the device to *FUN 2* (see above), press the “MENU” button to show *FULL* on the LED display. The dimmer is now set to the maximum value.
It is not possible to adjust the dimmer value in this mode.

Please note: The HTP Fader **MUST** be at value 0 for the DMX to operate correctly.

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:

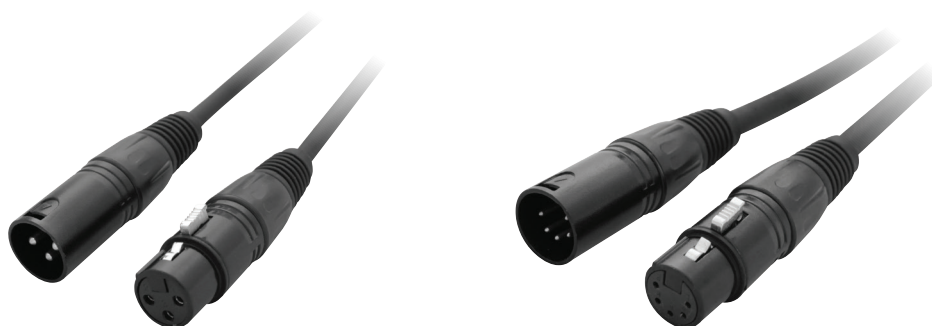
DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “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):

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, please check the fixtures specifications as to which your unit accepts.



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

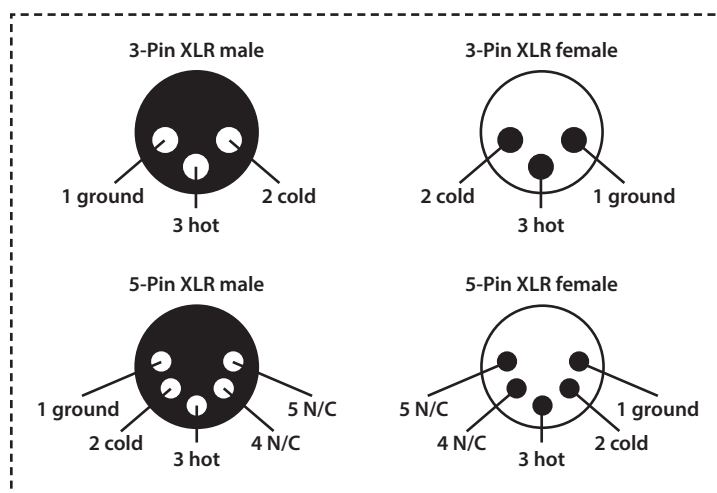
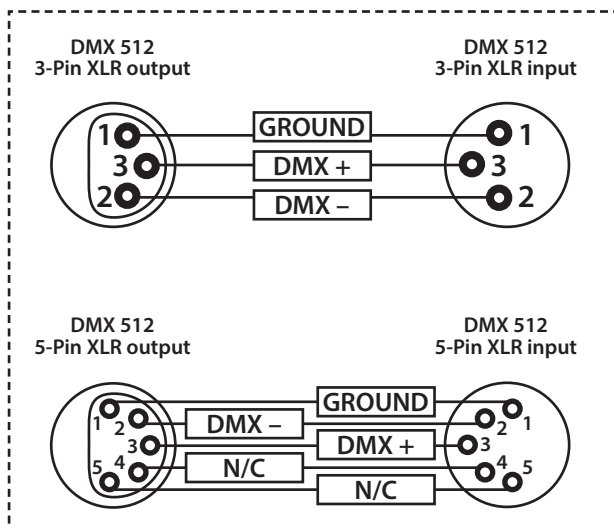
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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.

Pin Configuration	
3-Pin	5-Pin
	Pin 1 - Ground
	Pin 2 - Negative
	Pin 3 - Positive
-	Pin 4 - N/C
-	Pin 5 - N/C

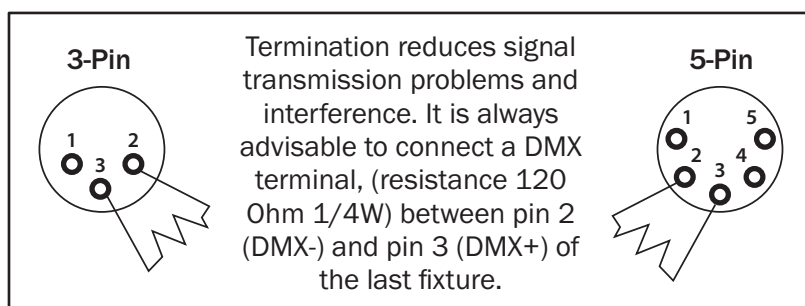
**Line termination:**

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

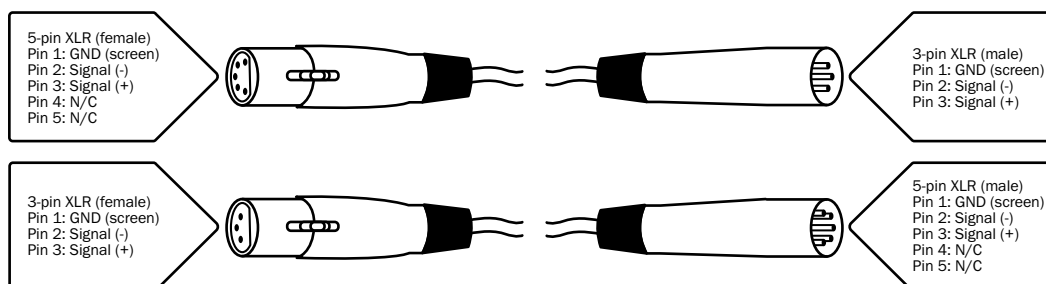
Using a cable terminator will decrease the possibilities of erratic behaviour.

(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)

**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.





***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.

