TRANSCENSION

UP2-RF
Dimmer Controller
User Manual

OUTPUT: TOTAL 10 MAX.

HTP

UP-2
UNIT PACK 2

DMX

A =Dmx Address   P =Dim Preset
D/S=Dim/Switch   L =Dim Limit

MENU   ▲   ▼

TRANSCENSION
Show Control

UP-2F

10
8
6
4
2
0

HTP

Order code: BOTE32

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 voltage is 230V 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-RF Dimmer Controller

The UP2-RF is a single channel DMX dimmer which can be converted to a single channel switch pack. The unit features 0 -100% dimming and a 3 push button LED menu system.

- Compact, 1 channel DMX / HTP Dimmer Pack
- Standard DMX 512 Protocol
- Dim Preset - Dim Limiter and can be changed from a Dimmer to a Switch Pack
- Suitable for use with incandescent loads when used as a switch pack
- LED Display makes it easy to set DMX channels
- HTP function
- 5-Pin XLR input/output
- Output: 2 x IEC Socket
- Easy to use mounting bracket
- Maximum Power: 10A

| Specifications	
Power supply	230V, 50Hz
Fuse	F10A 250V
Dimensions	182 x 92 x 68mm
Weight	1.1kg
Order code	BOTE32
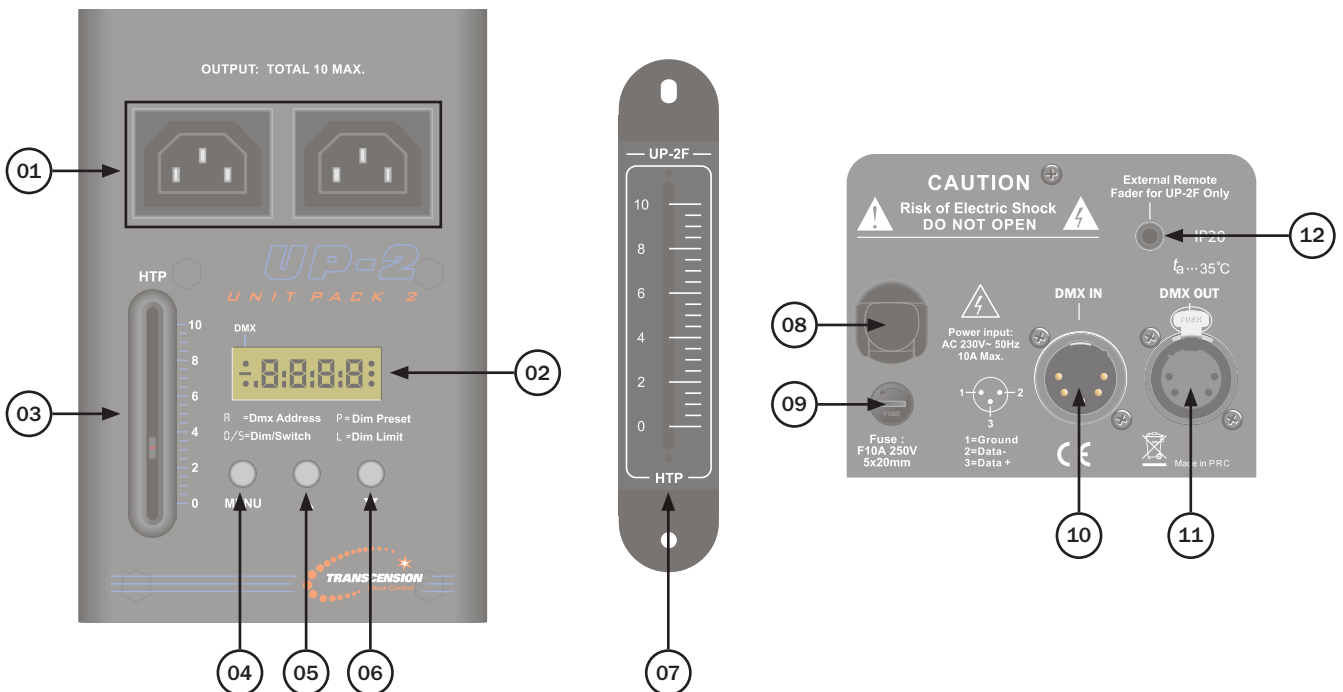
01 - 2 x IEC outputs
02 - LED display
03 - HTP fader
04 - Menu button
05 - Up button
06 - Down button
07 - External HTP fader
08 - Captive power connection
09 - Fuse F10A 250V
10 - 5-Pin XLR DMX input
11 - 5-Pin XLR DMX output
12 - Phone jack to connect external HTP fader

In the box:
1 x controller,
1 x External HPT fader
**& 1 x user manual**

DMX address mode:
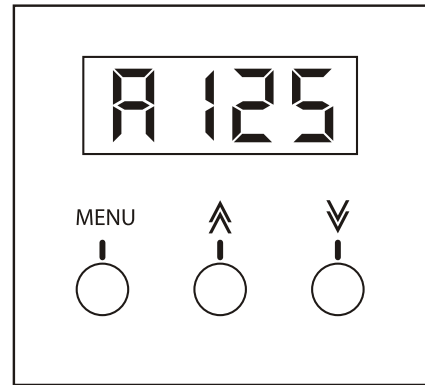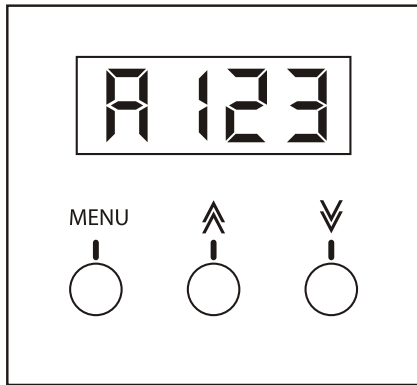
When the unit is powered up the unit will show the DMX address that the unit was last in before it was powered down. If the DMX address 123 was selected in the units last use the the unit will display "**A123**".

By using the "**UP**" or "**DOWN**" buttons the user is able to select the required DMX address. Once the DMX address is selected, it will be automatically stored into the units memory.
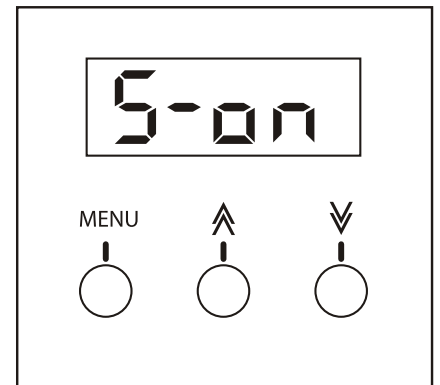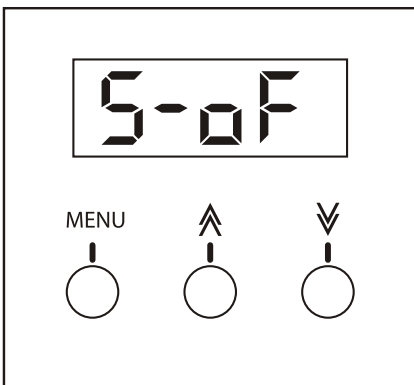
Switch pack mode:
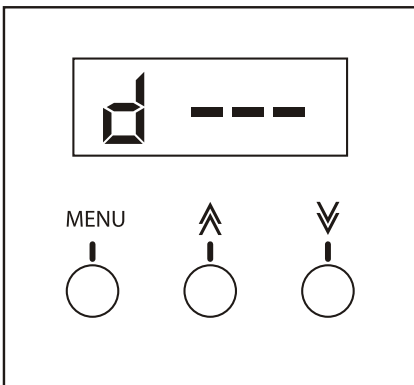
Press the "**MENU**" button until the display shows *d - - -* .
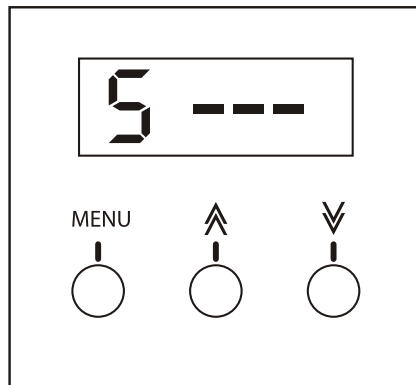
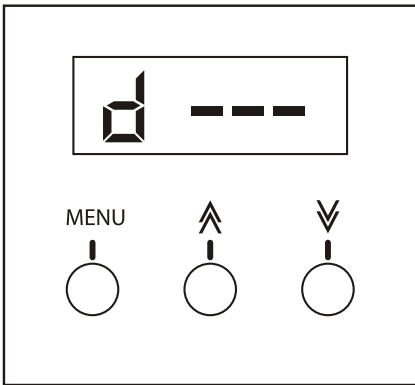Press the "**UP**" or "**DOWN**" button so the display shows *5 - - -* .

Press the "**MENU**" button to enter switch pack mode. Use the "**UP**" or "**DOWN**" buttons to change between *5 - on* and *5 - oF* .


Press the "**MENU**" button to exit switch pack mode. In Switch pack on mode the output is on and the fixture will illuminate regardless of the DMX signal. In switch pack off mode the output is turned off and the fixture is controlled via the DMX signal. If the DMX level is less than 40% the fixture will blackout, above 40% the fixture will illuminate.

Dimmer pack mode:

Press the "**UP**" or "**DOWN**" button so the display shows d – – – .
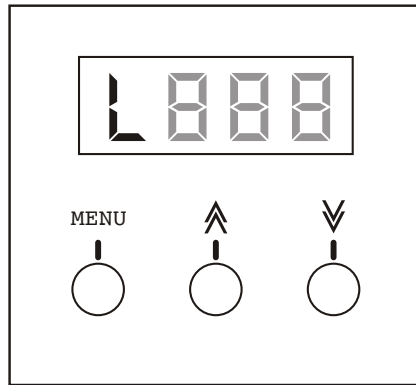
Press the "**MENU**" button to enter Dimmer limit mode.

Use the "**UP**" or "**DOWN**" buttons to change the value between 10-100.
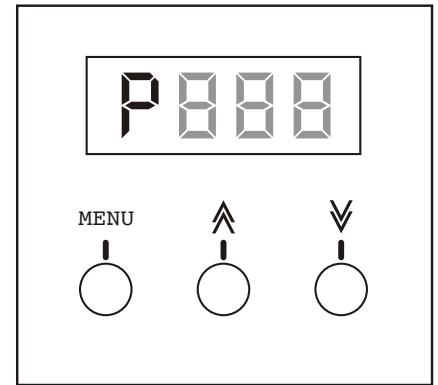
Press the "**MENU**" button to enter Dimmer preset mode.
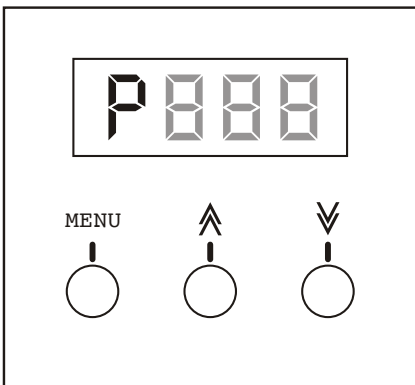
Use the "**UP**" or "**DOWN**" buttons to change the value between 00-100. Once the dimmer preset is selected it will be automatically stored into the units memory.
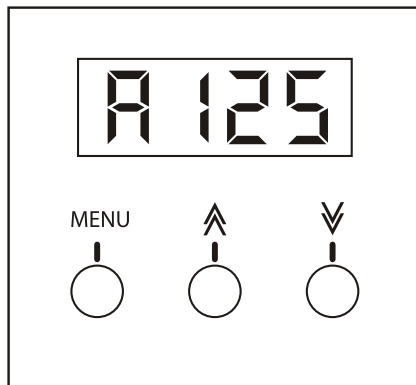
Press the "**MENU**" button exit out of any of the above options.

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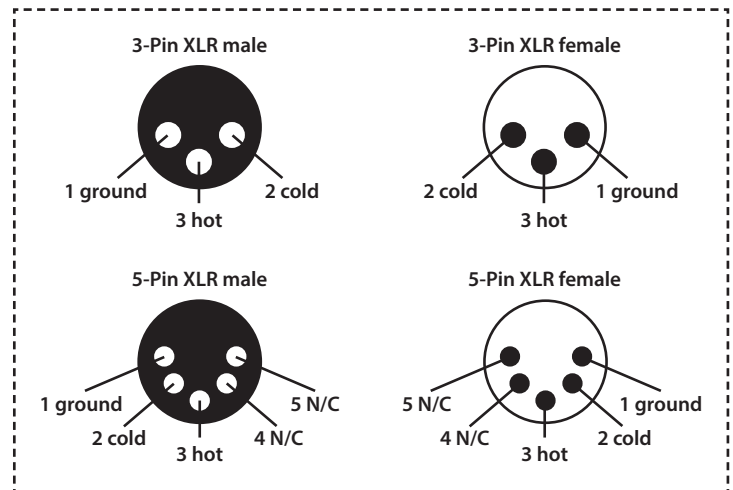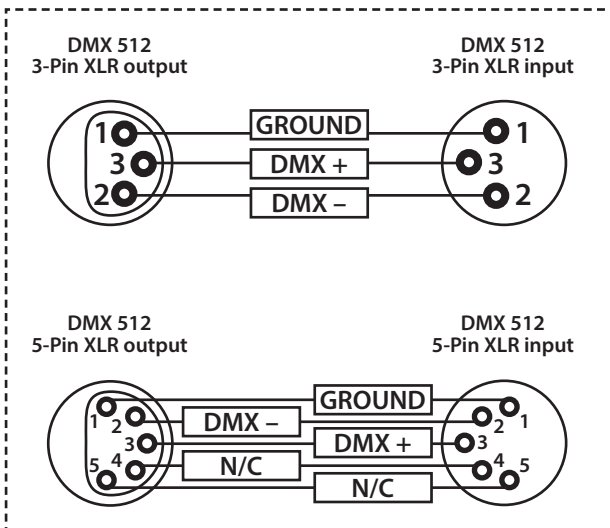

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.
Please quote: 3-Pin: **CABL10 – 2m**   **CABL11 – 5m**   **CABL12 – 10m**
                 5-Pin: **CABL185 – 2m**   **CABL187 – 5m**   **CABL188 – 10m**

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

DMX 512
3-Pin XLR output

```
1  ──── GROUND ────  1
3  ──── DMX + ──────  3
2  ──── DMX – ──────  2
```

DMX 512
3-Pin XLR input

DMX 512
5-Pin XLR output

```
1 2   ──── DMX – ────  1 2
  3   ──── DMX + ────    3
5 4   ──── N/C ──────  4 5
      ──── GROUND ────
      ──── N/C ──────
```

DMX 512
5-Pin XLR input

3-Pin XLR male
1 ground   2 cold
3 hot

3-Pin XLR female
2 cold   1 ground
3 hot

5-Pin XLR male
1 ground   5 N/C
2 cold   4 N/C
3 hot

5-Pin XLR female
5 N/C   1 ground
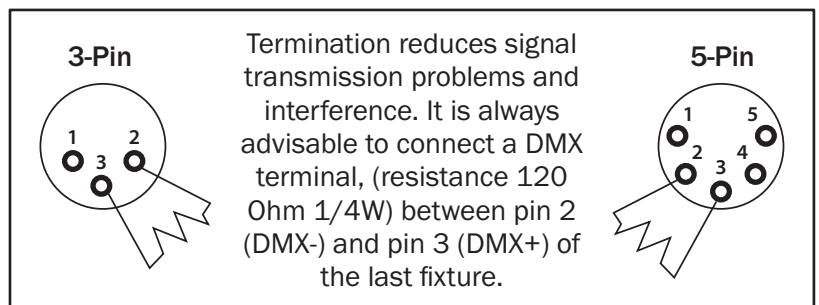4 N/C   2 cold
3 hot

Line termination:

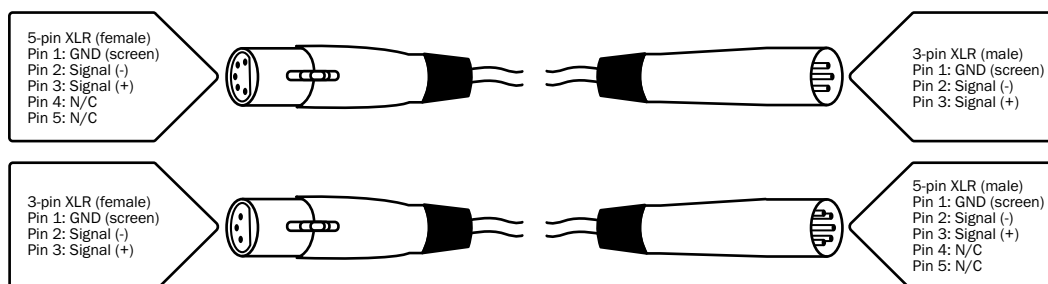When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.
(3-pin - Order ref: CABL90,
5-pin - Order ref: CABL89)

3-Pin
```
1  2
 3
```

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

5-Pin
```
1   5
2   4
 3
```

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

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.