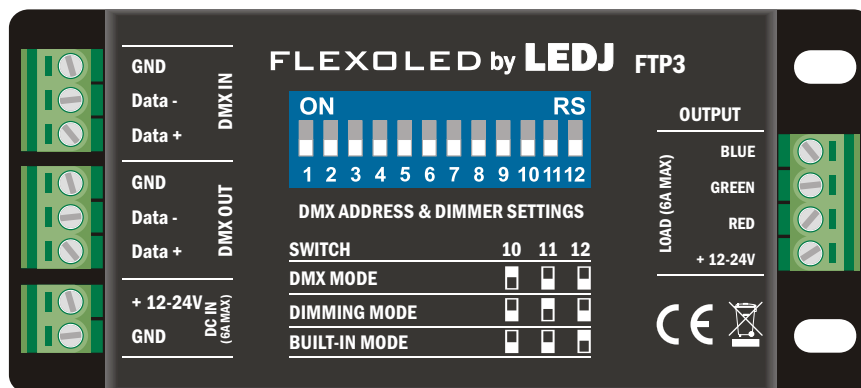# FLEXOLED by LEDJ

FTP3 RGB LED DMX Driver
User Manual

Order code: FLEX27

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.

- This product is designed to be installed by a competent, qualified installation technician into commercial environments.
- 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 between 12-24V DC.

- 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.
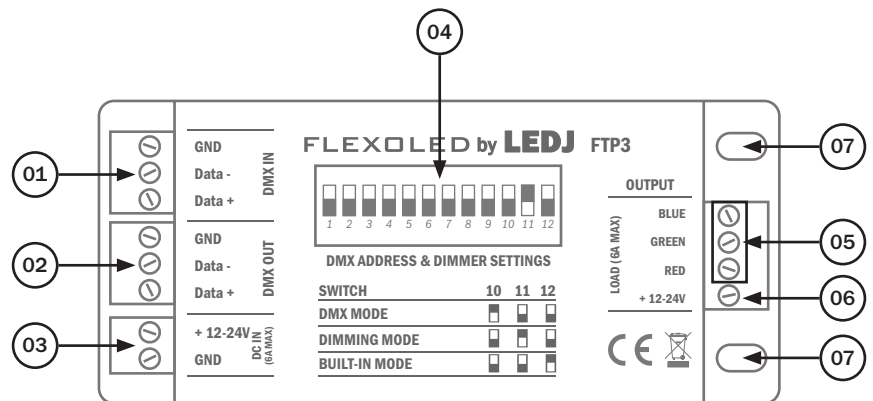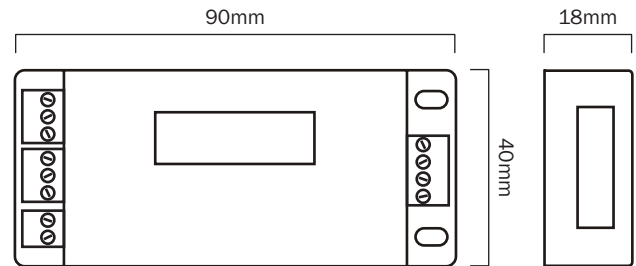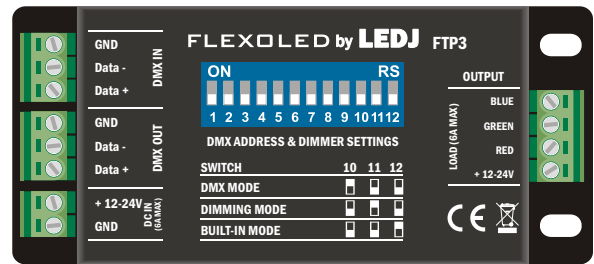
FTP3 RGB LED DMX Driver

The FTP3 RGB LED DMX Driver is suitable for most types of 12-24V RGB flexible colour strips requiring constant voltage control. After connecting a RGB LED Strip(s) with this RGB controller you can utilise the manual dimming mode or built-in programs via the on-board dipswitches. Further control can be facilitated by the units DMX input. The driver can also be used for 3 channels of single colour LED tape.

- Constant voltage driver for 12-24V RGB LED flexible colour strip
- Housed in a compact, rugged metal casing
- Phoenix type plug in terminals
- DMX and manual dimming mode plus built-in programs
- Dipswitch mode/DMX selection

Specifications	FTP3 RGB LED DMX Driver
Power supply	DC 12-24V
Maximum total output	6A
Dimensions	18 x 90 x 40mm
Weight	0.13kg
IP rating	IP20
Order code	FLEX27

In the box: **1 x unit & 1 x user manual**

90mm

18mm

40mm

01 - 3-Pin DMX in terminal
02 - 3-Pin DMX out terminal
03 - 2-Pin power in terminal
04 - Dipswitches
05 - RGB output terminals
06 - +VE output common terminal
07 - Mounting points

DMX mode:

In DMX mode, dipswitch 10 should be in the **"ON"** position. The DMX address is set by combining dipswitches (0-9) that add up to the value required between 001-511. Please refer to the table below for more information.

Dipswitch	Value
1	1
2	2
3	4
4	8
5	16
6	32
7	64
8	128
9	256

1 = ON
0 = OFF

DMX address examples:

To set the DMX address to "021"; Switch dipswitches 1, 3 and 5 in the **"ON"** position.

1 = 1
3 = 4
5 = 16
= 21

To set the DMX address to "451"; Switch dipswitches 1, 2, 7, 8 and 9 in the **"ON"** position.

1 = 1
2 = 2
7 = 64
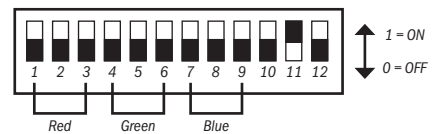8 = 128
9 = 256
= 451

3 channel mode:

Channel	Value	Function
1	000-255	Dimmer 1 (Red) (0-100%)
2	000-255	Dimmer 2 (Green) (0-100%)
3	000-255	Dimmer 3 (Blue) (0-100%)

Manual dimming/static colour selection mode:

In manual dimming mode, dipswitch 11 should be in the **"ON"** position. Dipswitches 1-3 should be now used to control the intensity of the Red LEDs, 4-6 for the Green LEDs and 7-9 for the Blue LEDs. Please refer to the table below for more information.

Dipswitch setting:

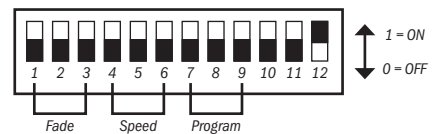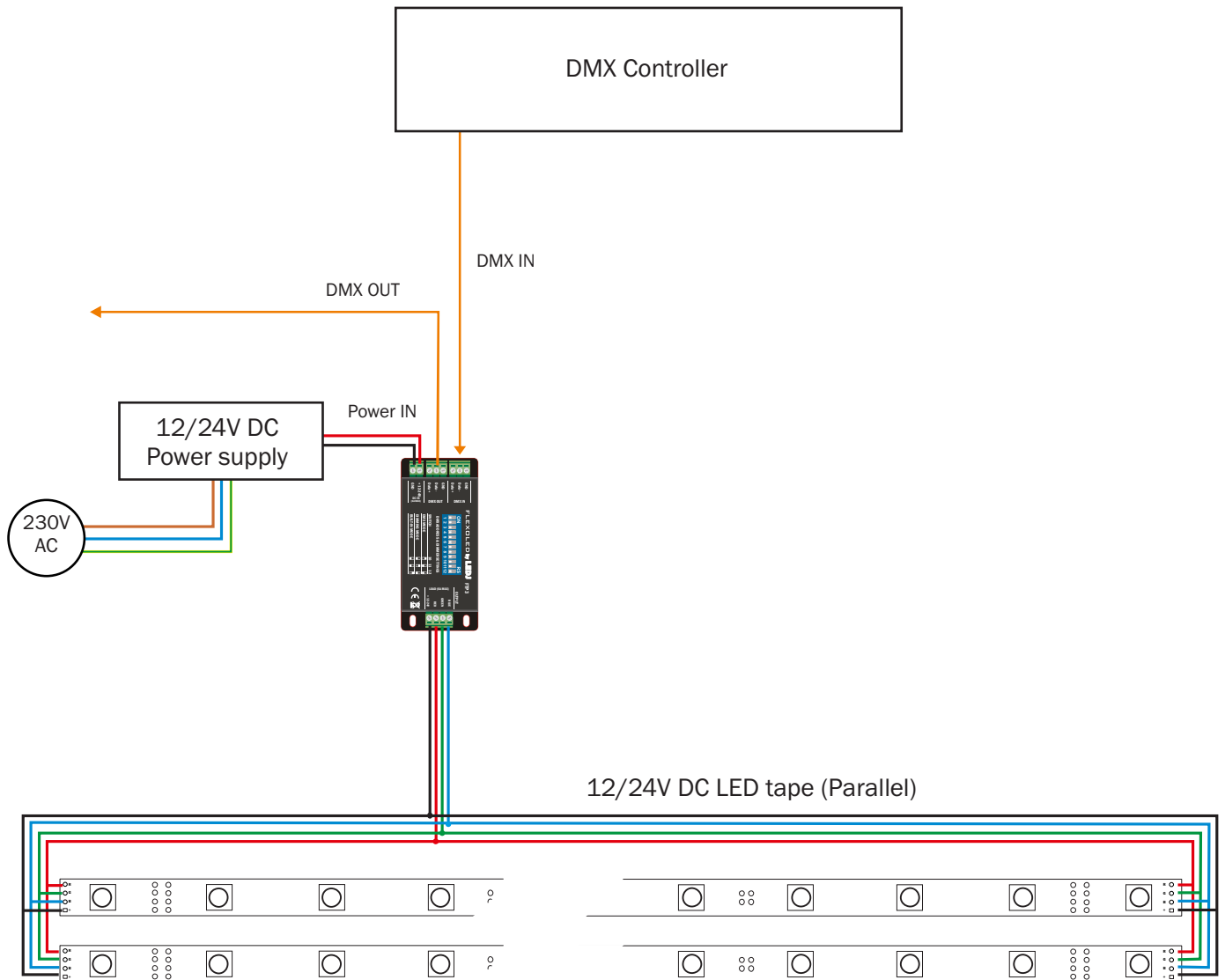| Intensity	CH1 Red (1-3)	CH2 Green (4-6)	CH3 Blue (7-9)
0%	000	000	000
14%	100	100	100
28%	010	010	010
43%	110	110	110
57%	001	001	001
71%	101	101	101
86%	011	011	011
100%	111	111	111

Built-in programs mode:

In built-in programs mode, dipswitch 12 should be in the **"ON"** position. Dipswitches 1-3 should be now used to control the Fade, 4-6 to set the Speed and 7-9 to set the program. Please refer to the table below for more information.
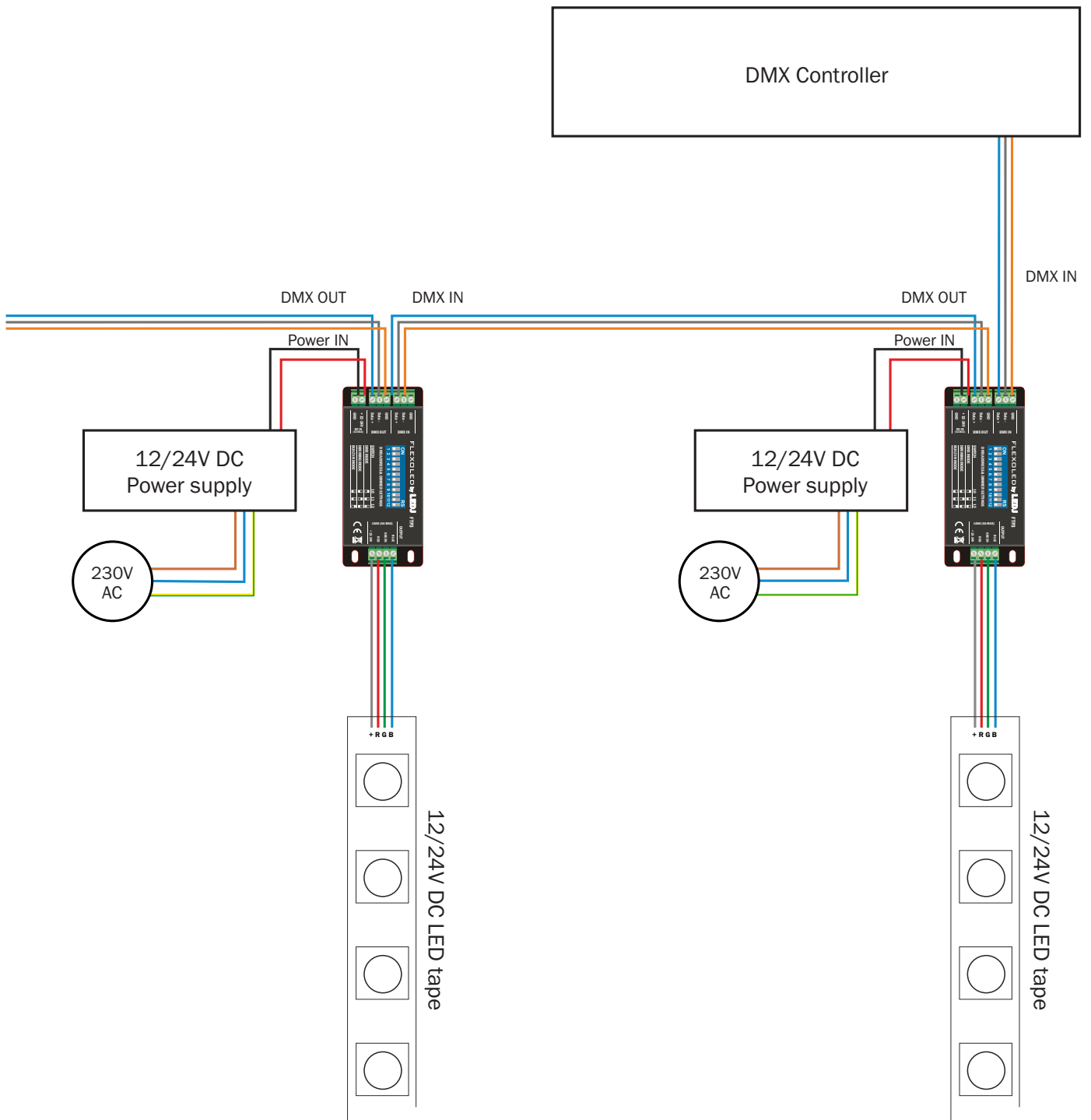
Dipswitch setting:

Dipswitch	Fade time (1-3)	Speed (4-6)	Program (7-9)
000	0%	128s	1
100	14%	64s	2
010	28%	32s	3
110	43%	16s	4
001	57%	8s	5
101	71%	4s	6
011	86%	2s	7
111	100%	1s	Auto (runs through programs 1-7)

Please note: The feed cable between the controller and the LED tape must be kept as short as possible. Using a large diameter cable will prevent voltage drop issues over longer distances. Wiring in parallel with feed cables to both ends of the LED tape will prevent colour fades across the length of the tape.

DMX Controller

DMX IN

DMX OUT   DMX IN   DMX OUT

Power IN   Power IN

12/24V DC
Power supply

12/24V DC
Power supply

230V
AC

230V
AC

12/24V DC LED tape

12/24V DC LED tape

+ R G B

+ R G B

Please contact your local retailer to purchase these related items.

Visio TRI-RGB Flexible Tri-colour Strip
(FLS-RGB) (5m roll)
Order code: LEDC220

Visio TRI-RGB60 Flexible
Tri-colour Strip (5m roll)
Order code: LEDC227

Visio TRI-RGB60 Flexible Tri-colour Strip
(5m roll) Black PCB
Order code: LEDC227B

Visio Meanwell SP-320-24
320W 24V DC Power Supply
Order code: LEDC233

To keep up-to-date on the latest accessories and product range additions please visit **www.prolight.co.uk**

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.