

FITI240-RGB/FITE240-RGB

Intelligent Tape

Item ref: 156.759/760UK

User Manual



Introduction:

Thank you for purchasing the Lyyt intelligent tape kit. The RGB intelligent tape is ideal for use on shelves, cupboards, window frames, floors and stairs etc. The magical colour changing effects are perfect for party and decorative uses.

Before starting please ensure that you have read this instruction leaflet carefully. If you are unsure about anything please have this installed by a competent installer.

Blister content:

- 1 x 5m RGB LED tape reel
- 1 x 12Vdc power supply
- 1 x LED controller with RF remote (included in 156.759UK only)

Possible tools required: Scissors, craft knife, soldering iron and solder, 2 core DC wire and heat shrink tube.

Step 1: Preparation

Ensure the surface you are attaching to is clear of dust and dirt. Clean thoroughly and leave to dry before fitting the tape.

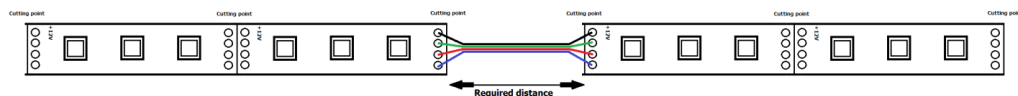
Step 2: Connecting the RF controller

Connect the tape with the RF LED controller and plug in the DC socket on the power supply. Use the RF remote control to select various modes (There are 99 programs to choose from - see table).

Step 3: Cutting

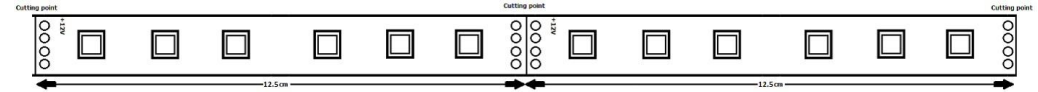
WARNING: Disconnect from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors only at the marked cutting intervals (12.5cm). Do not discard any excess tape as it can be easily reconnected and used again.



Step 4: Fitting

Clear the area you wish to install and remove the backing paper, exposing the adhesive tape. Push tape firmly onto the surface. It is recommended to work on 50cm sections at a time in order to ensure a professional finish. When you reach the end of your installation cut at the marked cutting point. The tape can be terminated at highlighted 12.5cm cut intervals if less than 5m is required.



You may also reconnect the two pieces by soldering the point connection together.

WARNING: only cut the tape on the highlighted intervals. Cutting the tape in other parts will permanently damage that section of the tape and cause malfunction.

Points to remember when using this tape:

- 1) Only cut the tape at the highlighted 12.5cm interval.
- 2) Ensure you connect the correct wires otherwise the tape will not work.
- 3) Ensure that when soldering there are no short circuits
- 4) We recommend use of heat shrink tube to protect the connection
- 5) Check that everything operates correctly before installing
- 6) The controller and the power supply can drive up to 50 metres in series, but make sure that extra power supply is added at the point that brightness dropped on extendable length.

CONTROLLER SPECIFICATIONS

Dynamic Program	99 programs
Dynamic Speed	10 levels
Dynamic Length	16-500
Demo Mode	Yes
Static colour	29 colours
Static brightness	10 levels
Working Voltage	DC12-24V
Driving Capacity	800 pixels
Control Mode	RF wireless remote
Remote Frequency	433.92MHz
Remote Distance	>15 metres at open area

INTELLIGENT TAPE SPECIFICATIONS

Power supply	12Vdc, 3A
Number of LEDs	48/m
LED type	SMD5050
Light intensity per LED	2000mcd
LED spacing	21mm
LED lifespan	approx. 50,000 hours
Beam angle	120°
Cut intervals	125mm
Reel length	5m
IP rating	IP65
Current	480mA per metre
Power consumption per metre	4.8W max.
Connectors	5.5mm DC jack
Max. connection length	50 metres
Remote range	15 metres (line of sight)
Remote battery	1 x CR2025
Cross-section	12 x 3mm

PROGRAMS

0	Static colour	34	Green-yellow-green	68	Yellow sway with
1	Full colour forward flow	35	Green-yellow-green open	69	Purple sway
2	Full colour reverse flow	36	Green-yellow-green close	70	Purple sway with
3	Full colour open	37	Green-cyan-green forward	71	Cyan sway
4	Full colour close	38	Green-cyan-green reverse	72	Cyan sway with
5	6-colour forward comet	39	Green-cyan-green open	73	3-colour sway
6	6-colour reverse comet	40	Green-cyan-green close	74	3-colour sway with
7	6-colour comet open	41	Blue-purple-blue forward	75	6-colour sway
8	6-colour comet close	42	Blue-purple-blue reverse	76	6-colour sway with
9	3-colour forward comet	43	Blue-purple-blue open	77	Blue ground white ping-pong
10	3-colour reverse comet	44	Blue-purple-blue close	78	Green ping-pong
11	3-colour comet open	45	Blue-cyan-blue forward	79	Green ping-pong with
12	3-colour comet close	46	Blue-cyan-blue reverse	80	Red ping-pong
13	Green sandglass	47	Blue-cyan-blue open	81	Red ping-pong with
14	Red sandglass	48	Blue-cyan-blue close	82	Blue ping-pong
15	Blue sandglass	49	Blue-white-blue forward	83	Blue ping-pong with
16	3-colour sandglass	50	Blue-white-blue reverse	84	3-colour ping-pong with
17	6-colour forward flow	51	Blue-white-blue open	85	6-colour ping-pong with
18	6-colour reverse flow	52	Blue-white-blue close	86	Green drop
19	6-colour open	53	Red-white-red forward	87	Green drop with ground
20	6-colour close	54	Red-white-red reverse	88	Red drop
21	3-colour forward	55	Red-white-red open	89	Red drop with ground
22	3-colour reverse	56	Red-white-red close	90	Blue drop
23	3-colour open	57	Green-white-green	91	Blue drop with ground
24	3-colour close	58	Green-white-green	92	Blue ground white drop
25	Red-purple-red forward	59	Green-white-green open	93	Red ground white drop
26	Red-purple-red reverse	60	Green-white-green close	94	Green ground white drop
27	Red-purple-red open	61	Green sway	95	3-colour drop
28	Red-purple-red close	62	Green sway with	96	6-colour drop
29	Red-yellow-red forward	63	Red sway	97	3-colour sway
30	Red-yellow-red reverse	64	Red sway with grounding	98	6-colour sway
31	Red-yellow-red open	65	Blue sway	99	6-colour jump
32	Red-yellow-red close	66	Blue sway with		
33	Green-yellow-green	67	Yellow sway		

*Errors and omissions excepted.
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