

## LED DIY TAPE SINGLE COLOUR USER GUIDE

### Introduction:

Thank you for purchasing the QTX DIY LED Tape. LED tape is ideal for use on the underside of a counter tops, shelves, cupboards, around window frames or in an alcove of a ceiling to name just a few examples.

**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 person.**

Blister Contents:

1 x 5m reel of LED tape  
1 x Power supply with 3 world adaptors (UK, EU & World)

Possible Required tools:

Scissors, Craft knife, Soldering iron and solder, 2 core DC wire and heat shrink tube.

### Step 1: Preparation

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

Unravel the tape and connect the power supply. Check that all the LEDs are functioning correctly and if there are any faults return to your retailer without delay.

### Step 2: Cutting

**WARNING:** Discontinued from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors at the marked 5cm intervals to achieve the perfect length. Do not discard any excess tape as it can be easily reconnected and used again (see FIG 2).

### Step 3: Fitting:

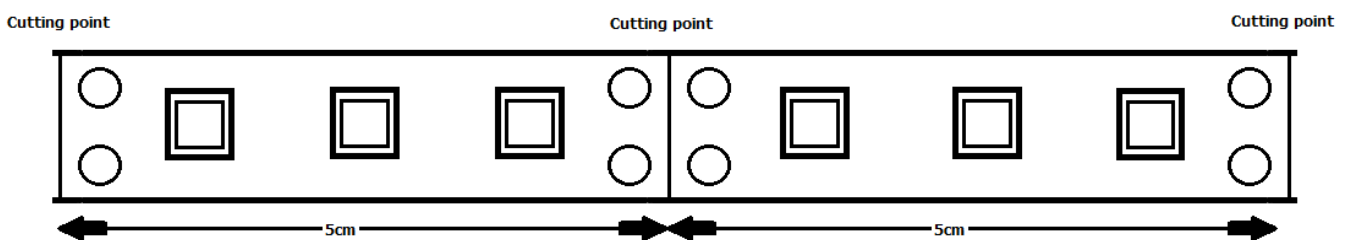
#### Example 1: Simple straight run.

Locate the area you wish to install and remove the paper backed protection exposing the adhesive tape. Push tape firmly onto the surface. We recommend working 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.

#### Example 2: Requires cutting:

The tape can be cut at highlighted 5cm intervals for the perfect fit.

FIG 1:

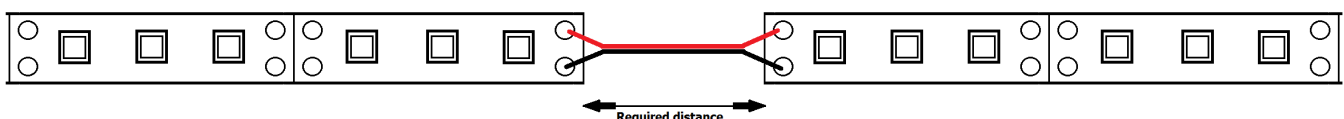


You may also reconnect the two pieces by soldering the point connections together (FIG 2). The tape has two tracks for the DC voltage + positive pole at the top and – negative pole at the bottom.

To reattached use a craft knife to cut the Epoxy coating from the terminals.

Use a soldering iron and solder to connect the DC wire to the relative terminals be sure not to cause a short circuit in the process as it will not work.

FIG 2:



**WARNING:** Only cut the tape on the highlighted intervals. Cutting the tape in other parts without due care will permanently damage that section of the tape and will result in malfunction.

## Points to remember when using this tape

- 1) Only use the supplied power supply for 5m.
- 2) Only cut the tape at the highlighted 5cm intervals.
- 3) Do not connect another reel and operate from a single power supply as this will seriously affect the performance.
- 3) The top track of the tape is the + Positive pole.
- 4) The bottom track of the tape is the – negative pole.
- 5) Ensure you connect the correct wires otherwise the tape will not work.
- 6) Ensure that when soldering there are no short circuits
- 7) We recommend to use heat shrink to protect the connection.
- 8) Check that everything operates correctly before installing.

## FAQ:

Q) Can I connect different colours in a chain?

A) Yes all the LEDs draw the same power, current and have the same connection but do not exceed 5m.

Q) Can you cut a 5m tape in to many different sections then connect them all together?

A) Yes as long as you cut the tape at 5cm intervals highlighted.

Q) I have connected two reels together off one power supply and the LEDs are dim towards the end.

A) This product is designed to be used at a maximum of 5m. Anything longer will seriously affect the performance.

Q) Can I connect the tape together to form a loop?

A) Yes you can. This will even the brightness out on the LEDs across the 5m length

Q) Can I use the tape outdoors?

A) Yes, the tape is IP65 rated. Ensure that the terminated ends are heat shrink protected.

Q) Can I clean the tape?

A) Yes, the tape is IP65 rated and has an epoxy coating. Just wipe down with a damp cloth regularly to ensure continuing brightness

Q) Can I replace / patch damaged tape with a new piece

A) Yes, just highlight the effected area by the 5cm intervals. Cut out the faulty section then fit in a new piece soldering the connections securely and using heat shrink to protect the repaired connection.

## Specification:

Voltage	12Vdc
Current consumption	480mA/m
Power consumption	5.76W/m
Number of LEDs	60/m
LED Spacing	16mm
Cut intervals	5cm
Beam angle	140° - 160°
LED type	SMD3528
IP rating	IP65