24v RGBW Colour Changing LED Strip - Installation

- *Important: LED strips do generate some heat and for long term reliability and safety you should make sure that they are mounted in a well   ventilated position. They must also be properly stuck down as the   carrying surface acts as a heat sink to remove heat from the LED'S.*

- *Requires a 24v DC Power Supply*

- *Observe polarity on LED strip using - the 4 colour lines are -ve and the black line is +ve*

- *You should not exceed the recommended maximum single length of 10m (note this is a single length NOT the system total) – if you do then the system will suffer from voltage loss and the brightness towards the end will be reduced.*

System requirements: A fully operational system will require :

- **LED Strip**
- **Power**. Use a PowerSmart combined power supply & Controller.
- **Control**. Select from hand held remote, wall switch or APP
- **Cable**. This should be a 5 core AWG20 cable.
- **Connectors**. You can use GRIPPA (12mm size) or you can solder

Cutting to length:

This strip can be cut to a finished length but you must only cut on the recognised cut points. Cut centrally and square.

Joining and extending:

You can join these strips using GRIPPA solder free connectors. The order codes are

GRIPPA-SW-12-IP20 – Non waterproof strip to cable connector
GRIPPA-SW-12-IP65 – PU Coated strip to cable connector

You should use a 20 AWG 5 core cable – we do not recommend using CAT5 cable as it cannot handle the current loading.

Fixing:

The VHB (Very High Bond) 3M Adhesive is designed to fit once - it does not respond well to fitting, removal and repositioning so make sure you have cut and tested everything before the final fitting.