ENTTEC

8PXA60-RGB-5V-W Installation Guide

⚠️ **IMPORTANT: FOLLOW THE INSTRUCTIONS AND RECOMMENDATIONS BELOW TO AVOID POOR PRODUCT PERFORMANCE OR FAILURE.**

Maximum Run Length

Colour and lumen output will be affected if maximum length is exceeded. Test conducted at maximum brightness using 5-12volt driver. **Note: Maximum length of pixel strip run is limited by maximum universes of data.**
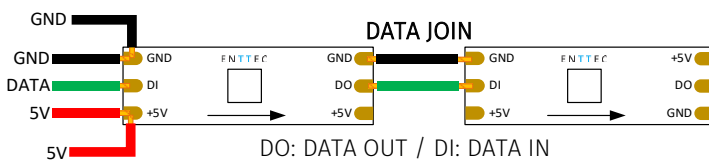
POWER INJECTION	LED PER METRE	MAXIMUM LENGTH	
		RED, GREEN, BLUE	ALL ON
SINGLE	60	6m	3m
DUAL	60	10m	5m

Cutting

Only cut along the lines marked on the strip.

Wiring Diagram

DO: DATA OUT / DI: DATA IN
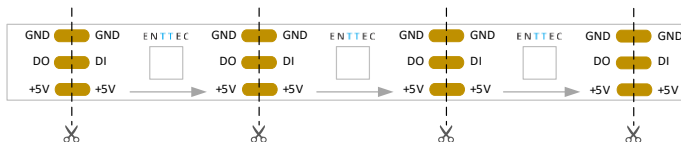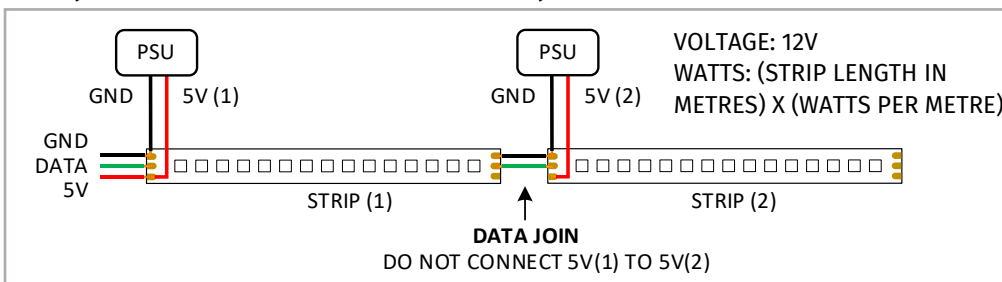
- Select the most suitable option from below. Solder or crimp is recommended to combine multiple wires.
- If wire colours vary and you are unsure, please contact ENTTEC or your supplier for further advice.
- The middle wire will always be data.

DATA JOIN WITH MULTIPLE SINGLE POWER INJECTIONS

VOLTAGE: 12V
WATTS: (STRIP LENGTH IN METRES) X (WATTS PER METRE)

DATA JOIN
DO NOT CONNECT 5V(1) TO 5V(2)

Colour Consistency

To achieve optimal colour consistency across multiple strips, we recommend using those from the same manufacturing batch together wherever possible. Please check your batch numbers - these can be found on the product label.

Adhesive Application

- The strip will not adhere to textured or low surface energy materials.
- The best surface for long lasting adhesion is clean raw metal.
- Clean substrate with alcohol and a clean cloth.
- Peel off protective backing to reveal adhesive.
- Apply pressure when adhesive fixing to substrate.

Thermal Management

- These strips produce heat. Thermal management must be considered.
- The more LEDs per metre, the more heat.
- ENTTEC recommends using an aluminium profile to manage heat.
- Each application is different. ENTTEC recommends testing a section of strip in its finished environment to ensure the thermal management is satisfactory.

SINGLE POWER INJECTION

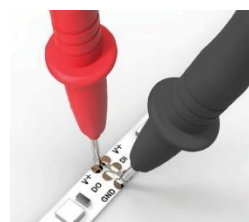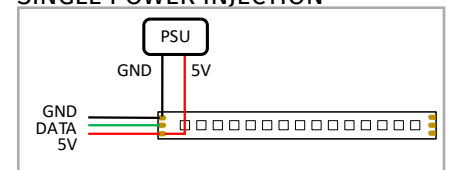### DUAL POWER INJECTION

Voltage Drop Testing

Use multimeter to test for voltage drop test where power is injected. If problems occur also meter the end of the strip.

POWER INJECTION   SET LED COLOUR TO FULL WHITE PRIOR TO TESTING   END

Push probes through protective silicone to make contact.

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Due to constant innovation, information within this document is subject to change.