

WIZARD OF WIRE

Original Wizard Genius Meanwell Receiver Instructions

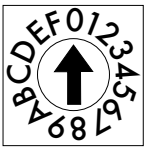
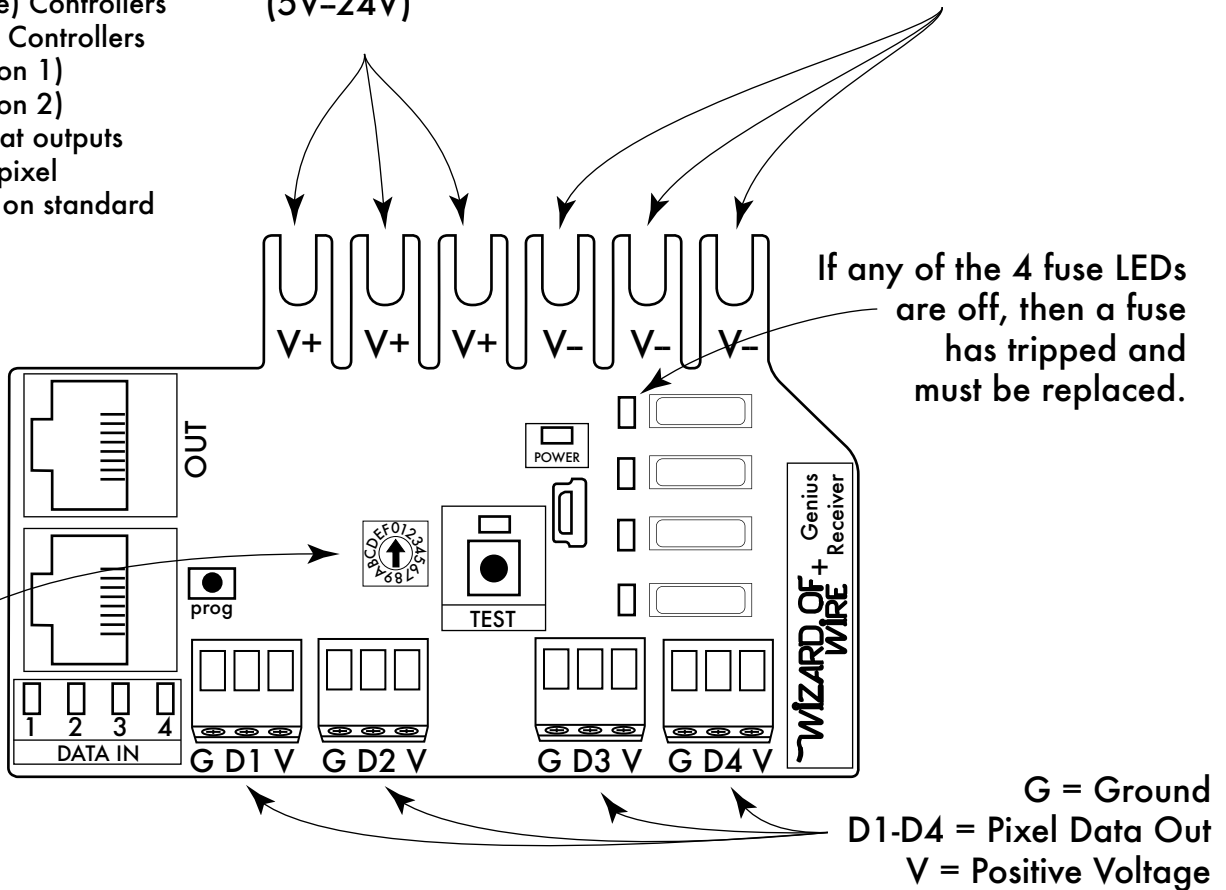
The "Straight" version of the receiver is shown below, however the instructions are the same for the "90 Degree" version.

All Genius Receivers are compatible with:

- Experience Lights Genius Controllers
- Falcon V3 (White) Controllers
- Falcon V4 (Blue) Controllers
- FPP Smart (Version 1)
- FPP Smart (Version 2)
- Any controller that outputs standard/dumb pixel differential data on standard pairs.

The left three "V+" tabs must connect to the positive DC voltage side of your power supply. (5V-24V)

The right three "V-" tabs must connect to the DC ground side of your power supply.



For most users, this rotary dial can be left at "0". In the "0" position the Genius Receiver will auto-detect both the protocol & the position of the receiver in line.

If you need to override and supply a specific position, the rotary allows for a higher degree of control.

A-F Use these positions if you are using a Genius Controller, or a V4 (Blue) Falcon Controller.

Position A is the 1st receiver in line.
Position F is the 6th receiver in line.

4-9 Use these positions if you are using FPP Smart Version 2 from your controller.

Position 4 is the 1st receiver in line.
Position 9 is the 6th receiver in line.

1-3 Use these positions if you are using FPP Smart Version 1, or V3 (White) Falcon Controller.

Position 1 is the 1st receiver in line.
Position 3 is the 3rd receiver in line.

0 Dumb / standard mode and auto-detection mode. (default mode and should rarely need to be changed)

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Original Wizard Genius Meanwell Receiver Instructions (cont.)

FIRMWARE UPDATES

Firmware updates may be done in the field by using a USB Micro B cable.

Step 1: Ensure the power is OFF to the receiver, and the POWER LED is OFF.

Step 2: Connect a USB Micro B cable from your computer, to the Genius Receiver.

Step 3: Press and hold the "prog" button.

Step 4: While holding the "prog" button, restore power to the receiver, the POWER LED should be ON.

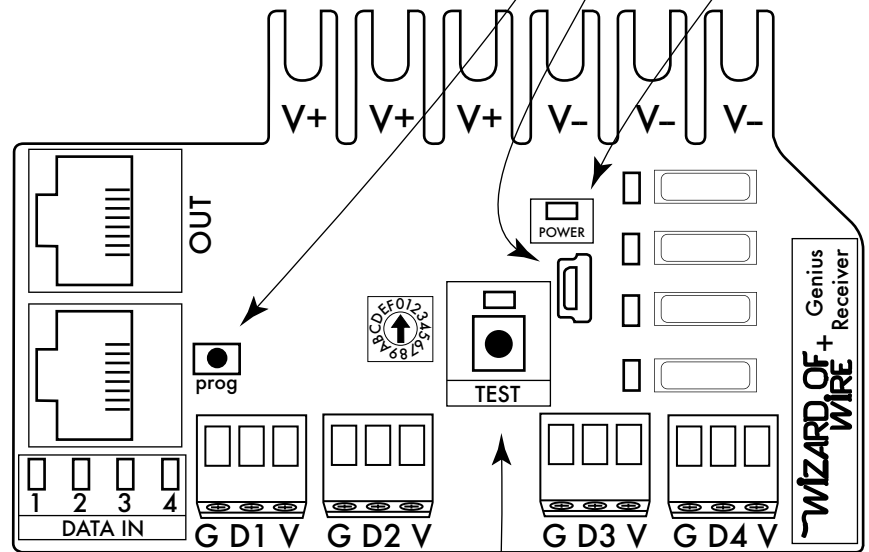
Step 5: Release the "prog" button, and check your computer for a new USB drive.

Step 6: Drag and drop the ".uf2" firmware file to this new USB drive to copy the file, and flash the receiver.

Step 7: Remove the USB cable from the Genius Receiver, and power cycle to reboot the receiver.

(Optional) Plug a CAT5 or CAT6 cable into the OUT port, and connect to the next receiver in line. This is only used if you are daisy-chaining receivers.

Plug a CAT5 or CAT6 cable into the IN port from your controller, or from the previous receiver in line.



DATA LEDS

OFF: No active data is detected.

SLOW FADE: The data is being read, but has not been identified yet. This animation is what we call "thinking" mode.

2 RAPID BLINKS: If the LED blinks twice, then pauses briefly, there is an error. Typically this means the rotary dial is not in the correct position for the type of data being received.

RAPID CONTINUOUS BLINKING: If the LED is blinking rapidly, the data has been identified and is being read successfully.

TEST MODE

Press and hold the test mode button for 1 second to activate test mode. The test LED will illuminate while test mode is active.

While in test mode, you may tap the test button again to cycle through different test modes.