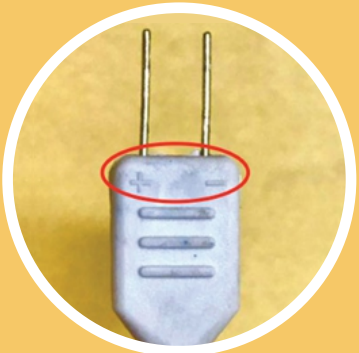
How to Program a WorkHorse Constant Current Programmable Driver

Lay out all devices as shown.

1. Fulham Programmable Driver
2. Fulham Hand Programmer
3. Third Party Battery Pack or Connect to USB charging source
4. Charging cable
5. Programming Cable



Identify the polarity on the programing cable.

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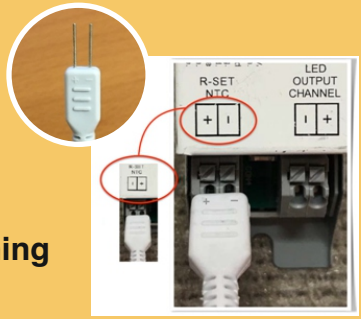
Step 1:

Identifying the correct connection method for programming



Drivers with Programming Push-In Connectors:

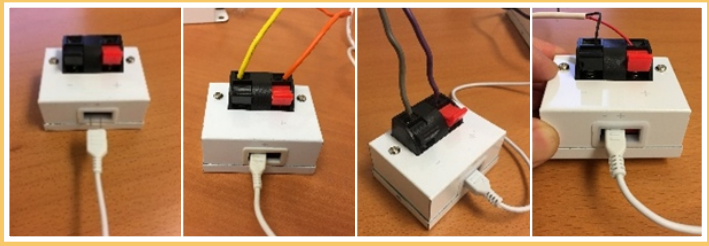
Programmable drivers with push in connectors can be programmed using either the larger or smaller pitch fork cables. Simply insert the forks directly into the connectors labeled **R-SET/PRG/NTC,** ensure that proper polarity is established otherwise an error code will be displayed.

** Refer to the TPSB-100/E User Manual for further details on error codes.*

Plug the programming cable into the R-Set Port, making sure to match the polarity as shown. The polarity indications on the cable should be facing up towards you as shown.

Note: A mismatch in polarity will cause the programmer to read E-3 (Error)

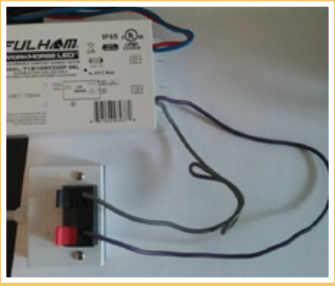
Note: Some Fulham Drivers have the polarity indicated with the positive appearing to the left and the negative appearing to the right. In that case, the indicators on the programing cable would be facing down.



Drivers with Programming Wires:

Programmable drivers with wires can be programmed using the wire block adapter. Insert either the larger or smaller pitched fork cable into the back of the adapter. Ensure that proper polarity is established. Next insert the wires labeled **R-SET/PRG/NTC** into the Red (+) and Black (-) quick release connectors located on the top of the adapter. The polarity of the programming wires are as follows; Orange Wire (+), Yellow wire (-), Purple Wire (+), Grey Wire (-), Red Wire (+), Black Wire (-).

**Applicable drivers will use the 0-10V dimming wires as the programming wires. If programmed while powered, a power cycle is required for the programmed current to take effect.*



Programming setup for drivers with leads

Programmable drivers with leads are programmed using the wire block adapter.

Insert the prgramming cable into the back of the adapter, taking care to matchy polarity.

For drivers with orange and yellow leads, connect the orange wire to the red/positive connector and the yellow wire to the black/negative connector.

For drivers without orange and yellow leads, the 0-10V leads are used for programming. Connect the purple wire to the red/ positive connector and the gray wire to the black/negative connector. If programming while the driver is powered, a power cycle is required for the new programmed current to take effect.

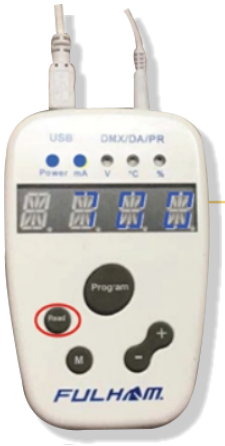
Drivers with Programming Connectors:

Programmable drivers with connectors on their output can be programmed using the mating connector cable. If the drivers mating output harness is plugged in, then they can be programed using the wires labeled **R-SET/PRG/NTC** by plugging them into the Red (+) and Black (-) quick release connectors located on the top of the wire block adapter. The polarity of the program wires are as follows; Orange Wire (+), Yellow wire (-), Purple Wire (+), Grey Wire (-), Red Wire (+), Black Wire (-).

Step 2:

Connect Hand Programmer to battery or wall adapter. Use the Mode Button to set the programmer to mA mode.

The programmer will toggle back and forth between I-SET and a mA setting.



Step 3:

Press the READ Button to give an accurate reading of the current on the Fulham Driver as it came from the factory. This can vary and 700 mA is shown as an example.

Step 4:

Use the Toggle Button to set the Fulham Driver to the desired current.

In this case 1000 mA is shown as an example.

Step 5:

Press the Program Button.

The programmer will flash the word “PROG”.

Step 6:

The Programmer will now toggle between “OK” and “1000mA” (example setting).

To confirm that you have set the current correctly, simply press the READ button and the display will show the mA setting.

Your Fulham Driver is now programmed.

FULHAM

Harness the Horsepower

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