

# Glpro X-type G2

## Install Guide for **GPX-MV1** Harness Kit

Before installing this Harness Kit, please make sure you got the right parts for your bike. See the part numbers on the packaging and use the **Product Advisor** on our website to check compatibility.

These instructions are applicable to a wide range of motorcycles and describe the main install steps needed for a successful installation.

You can find motorcycle specific Supplementary Manuals on our website. Please visit:

[www.healtech-electronics.com/GPXT](http://www.healtech-electronics.com/GPXT)

***Disclaimer:** Do not attempt to install the product if you don't have basic mechanical skills. HealTech Electronics Ltd. and its distributors shall not be liable for any loss or damage caused by improper installation. If in doubt, please consult with your dealer.*

### **1. Locating the Speed Sensor coupler**

#### Preparation:

- The ignition key should be in OFF position.
- Raise the rear wheel off the ground by using a stand.  
Make sure the rear wheel spins freely.
- Remove the seat.

The Speed Sensor is usually located on the top of the gearbox and reads the revolution of the countershaft.

The 3-pole speed sensor coupler is situated 10-30 cm (4"-12") away from sensor.

The connector is usually accessible by raising the fuel tank or removing a side fairing. If the speedometer is driven off the front wheel, the sensor coupler is usually behind the instrument cluster

If in doubt, check the bike's Service Manual or ask your dealer for the location of the Speed Sensor coupler.

#### Confirmation:

Separate the Speed Sensor coupler (you might need to use a small flathead screwdriver to get the coupler apart). Rotate the rear wheel while the ignition is on. The speedometer should indicate 0. If so, turn the ignition off and proceed to the next step.

Otherwise, if the speedometer registers a speed other than 0, you have not disconnected the correct coupler and need to look again.

## 2. Installation

1. After separating the Speed Sensor coupler, plug in both the male and female 3-pole GIpro harness connectors. Make sure the connectors are fully seated.

*If you have a **SpeedoHealer** installed, you have to connect the plugs in-line in the following order:*

*Speed sensor male plug → GIpro → SH → bike female plug*

2. Find the 2-pole plug of the Crankshaft position sensor (Pickup coil). It has two wires coming from the crankcase. Normally you may use either of these wires. If you have a wiring diagram for the motorcycle, use the positive (+) wire from the pickup coil.

Alternatively, for RPM source you may also use the tachometer signal, or the ignition coil control wire from the ECU.

3. On the wire identified in the previous step, peel off the black sleeve, leaving about 3 cm (1.2") of the wire exposed.

4. Connect the GIpro **Black/Green** wire to this wire, using the **Red wire tap** connector supplied.

*Usage: Place the unstripped bike wire inside the run channel. Close the side cover until latched. Cut off the excess length, then insert the unstripped tap wire (Black/Green) completely and check its position. Insert the blade (u-contact) and press down by finger pressure. Then, fully depress the u-contact with pliers. Close the hinged top cover until latched.*

5. Connect the 4-pole GIpro harness connector to the GIpro display connector.

6. Check whether everything is installed and working properly:

- **Select Neutral and turn ignition On** →

The GIpro display should count from **6** to **1**, then "L" flashes slowly.

*(If not, the display is not receiving power and/or ground. Check the connections at the speed sensor connector.)*

- **Rotate the wheels** → the display should indicate a rolling wheel.

*(If not, the display is not receiving the speed signal. Check the connection at the speed sensor connector.)*

- **Start the engine** → "L" should flash **faster** for a few seconds.

*(If not, the display is not receiving the RPM signal. Check the wire tap.)*

Turn the ignition Off. If the tests still fail, disconnect the 3-pole and 4-pole connectors and check whether the connector pins are bent or pushed out of position. Spray some WD40 into the plugs.

7. Peel off the green plastic from the back of the unit, and mount the display.

8. Neatly route the GIpro harness from the 3-pole plugs to the mounting location, preferably along the frame.

Do not bend the harness near the 4-pole connectors.

Do not route the harness very close to the exhaust pipe or cylinder head.

9. Use black tape to secure and isolate the 4-pole connectors. To minimize cable stress, use the supplied cable ties to fasten the unit and harness to other cables.