

GIpro X-type G2

Install Guide for **GPX-S01, S02** Harness Kits

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

***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. Locate the **Speed Sensor coupler**.

The Speed Sensor is usually mounted on the front sprocket cover, and the 3-pole black speed sensor coupler is situated 20-40 cm (8"-16") away from sensor.

The connector is accessible by raising the fuel tank, removing the seat or a side fairing.

If the speedometer is driven off the front wheel (SV650, VL800) the sensor coupler is in the headlight bucket.

Confirmation:

Separate the Speed Sensor coupler (you might need to use a small flathead screwdriver to get the coupler apart). Rotate the wheels while 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. 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

3. Find the wire that comes from the **Signal generator** (Pickup coil / CKP sensor):

GSF600 Bandit (2000-2004) GSF650 Bandit (2005-2006) GSF1200 Bandit (2001-2006) GSX600F Katana (1998-2006) GSX750F Katana (1998-2006)	Black/Blue <i>(Solid Black wire with thin Blue stripe)</i>
GSX-R600 (1997-2000) GSX-R750 (1996-1997)	Black <i>(Solid Black)</i>

SV650 (1999-2002) VL800 Intruder Volusia (2001-2004) XF650 Freewind (1997-2004)	Green <i>(Solid Green)</i>
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You can find this wire either at the **2-pole plug** of the signal generator, or at the **CDI box** (also called ECU, ECM and Ignitor) connector.

Note: If the wire changes color at the 2-pole connector, use the one at the main wiring harness side which goes to the ECU.

4. Peel off the black sleeve (tape), leaving about 3 cm (1.2") of this wire exposed.
5. Connect the GIpro **Black/Green** wire to this wire, using the **Red wire tap** connector supplied.

Usage: Place the unstripped run wire (shown in the table above) 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.

6. **for GPX-S02 only:** Connect the separated GIpro **Red** wire to a **switched +12V** wire e.g. at the 2-pole rear brake light switch connector, at the fuse box or at the ECM connector (*Orange/Green or White/Green wire*). Use the other **Red wire tap** connector supplied. You may also use e.g. the hot wire of the front parking light.
7. Connect the 4-pole GIpro harness connector to the GIpro display connector.
8. 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.

9. Peel off the green plastic from the back of the unit, and mount the display.
10. 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.
11. 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.