

## Install Guide for **GPX-KT1** Harness Kit

### For use with the following KTM motorcycles:

**690** Duke (2008-2011),

**950** (2003-2007), **990** SM/Adventure/SuperDuke [non-ABS] (2005-2011),

**1190 RC8** (2008-2011)

*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. Lift down/remove** the front fairing with headlight.
- 2. Locate the Speed Sensor coupler.** It is behind the instrument cluster: 3-pole, white, triangular connector.  
If in doubt, trace the cable from the front wheel sensor until you find the coupler.

### Confirmation:

Separate the Speed Sensor coupler (you might need to use a small flathead screwdriver to get the coupler apart). Rotate the front wheel while the ignition is on. Does the speedometer show 0, turn the ignition off and proceed to the next step. Otherwise, try again since you have disconnected something else.

3. 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 female plug → GIpro → SH → bike male plug*

4. Find the **tachometer signal wire**.

690 Duke only: Find the tachometer signal wire in the loom that goes to the dashboard connector. It is a **White/Blue** wire (White with thin Blue stripe).

950/990 only: Trace the cable from the back of the tachometer (RPM counter) until you find the 3-pole natural color connector. The tachometer signal wire is in the **middle pin** position. It is a **White/Blue** wire (White with thin Blue stripe).

RC8 only: The tacho signal wire is in the 26-pin connector behind the instrument panel, in **pin position 10** (top row, 4<sup>th</sup> wire from left to right at the back/wire side of the plug). It is a **Black/Brown** wire (Black with thin Brown stripe).

5. Connect the GIpro **Black/Green** wire to the **tachometer signal wire**, using the **Red wire tap** connector supplied.

*Usage: Place the unstripped tacho 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.*

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

7. 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.

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

9. 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.

10. 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.