



IRITRACK V3 : MOUNTING GUIDE BIKE - QUAD



The Iritrack is a real-time satellite (Iridium) tracking and security system providing :

- **Geo-tracking on map** of all vehicles (competitors, organization, rescue,...) with feedback on passage times, speed, temperature, quality of installation (antennas, power supply), etc.
- **Sending data** to Race HQ (race management authority) :
 - **Automatic Alarms** : in case of a fall, accident or rollover (inclinometer, decelerometer)
 - **Alarms/Manual Alerts (press the buttons)**
 - Medical emergencies → **Red button**
 - Safe stopping (mechanical, assistance, break, etc.) → **Green button**
- **Phone communication** → **Blue button**
- **Text message** with the Race HQ

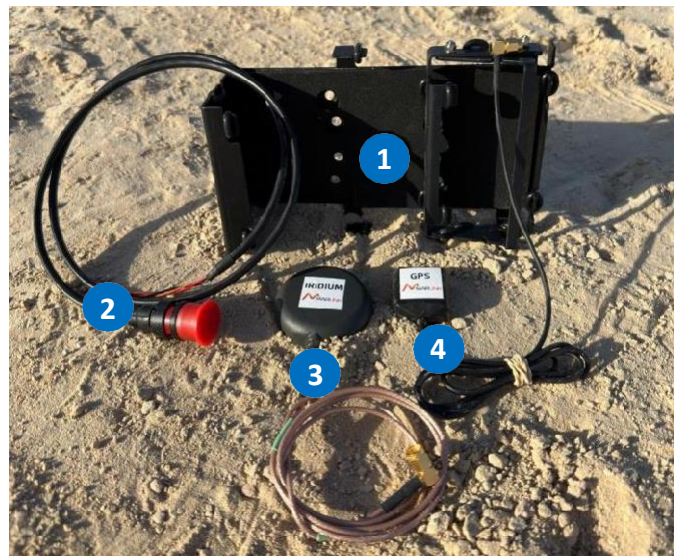
Iritrack technical specifications :

- 1) Dimensions : 180 x 112 x 53 mm (L x l x P), without bracket/cables
- 2) Weight : 830g
- 3) Consumption : 12V, 80mAh, (15mAh on standby)
- 4) External power supply : Input: DC 6-42V
- 5) Protection required with a 1A fuse
- 6) Internal battery : rechargeable Li-ion, 5600 mAh
- 7) Internal antennas Iridium, GPS and radio
- 8) Microphone et speaker



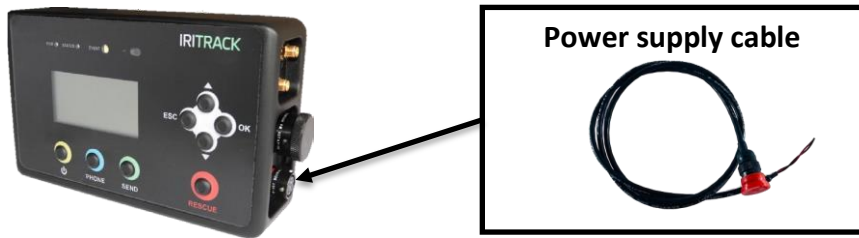
Kit composition bike/quad (S80171):

- 1) Iritrack bracket – S80140
- 2) Power cable 1m with transparent terminals – S80139
- 3) Iridium Antenna (1m) – S27689
- 4) GPS Antenna (1m) – S27680



Order your equipment and find more information on the Marlink e-shop : <https://eshop.marlink.com/fr/>

POWER SUPPLY



**Iritrack must always be powered, from the beginning to the end of the Rally.
Power cable must be directly connected to vehicle battery or fuse box (no breaker).**

If needed you can link Iritrack power cable to an extension as shown below (not included in the kit but available on our e-shop S80131) :

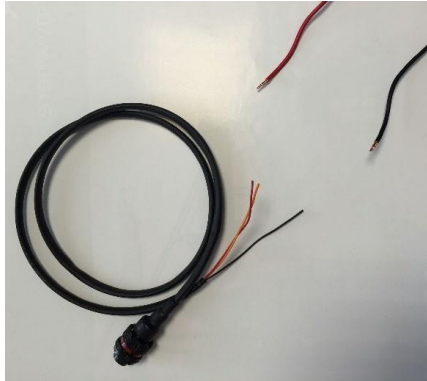
- 1 Prepare your Iritrack power cable, separating black wire from red and orange
- 2 Connect the power cable to your extension lead (lugs supplied), battery or fuse box :
 - red & orange of power cable with the red (+)
 - black with the black wire (-)

In the case of an extension lead :

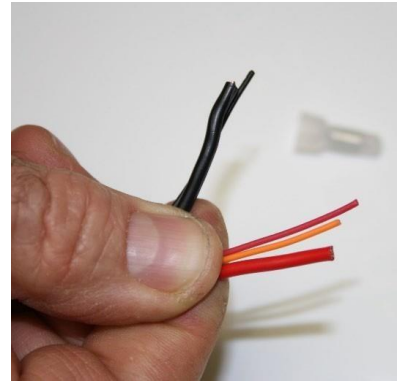
- 3 Use pliers to crimp the terminals
- 4 Connect the extension lead to the vehicle battery, the red wire to the +12V/+24V (red terminal) and the black wire to the negative pole of the battery.
- 5 Plug the fuse



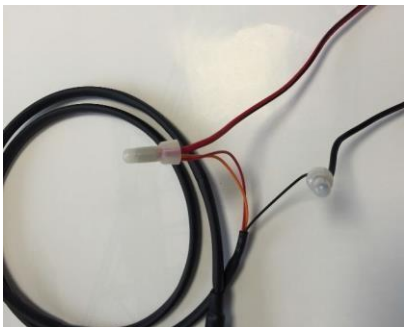
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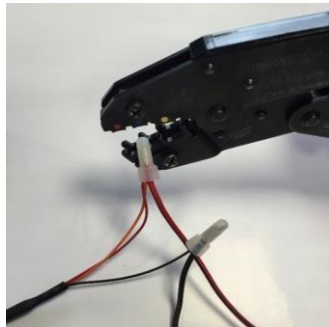
2



2



3



3



4

BRACKET

Open the bracket by pulling the right handle. Make sure to keep 50mm clear space on the right of the bracket **to open it properly and connecting the box while respecting the curvature of the cables.**



Before fixing your bracket, make sure that it is in the correct position; when stationary, you must have :

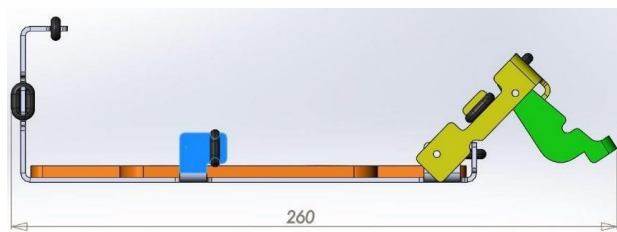
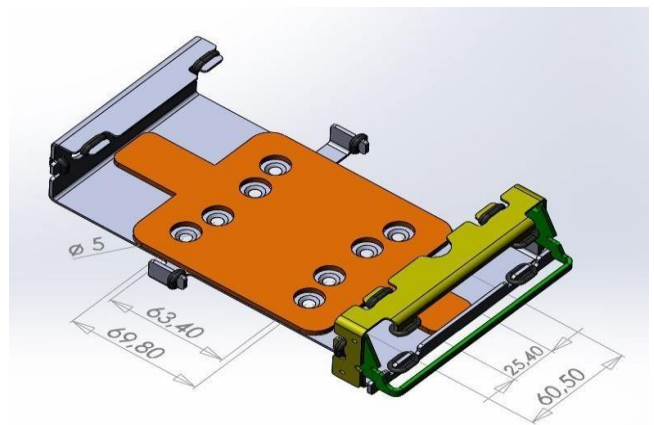
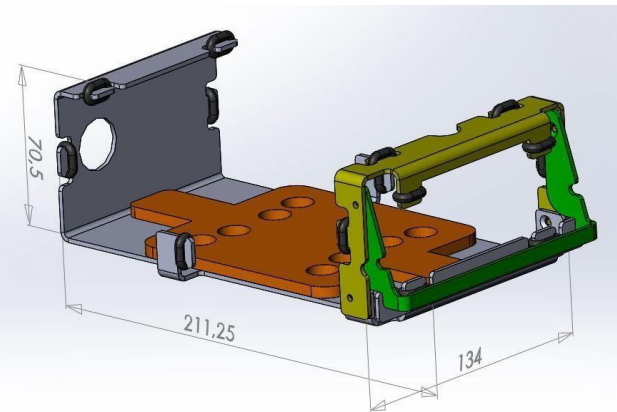
- ✓ EASY access to Iritrack buttons (with your gloves on)
- ✓ Clear view on the screen

Top part of Iritrack must be oriented towards the sky (internal antenna transmission).

INSTALLATION EXAMPLES ON PAGE 4

A bracket (S80153) is available if you need more space and/or to make your installation easier (see page 5). Generally compulsory and fitted on all KTM450 Rally models.

Support dimensions (open and closed) in millimeters



Drilling templates

(identical to the previous version) :

- Width : 69,80 mm
- Length : 60.50 mm
- Drilling diameter : 5 mm

SILENT-BLOCKS

The bracket must be installed with a shock absorption system: silent-blocs (S80137).

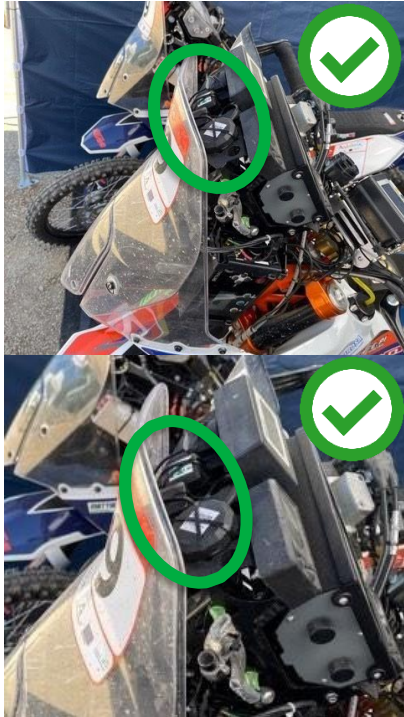
Without a valid shock absorption system, your installation will be declared as no compliant at the technical checks.



ANTENNAS AND CABLES

- ✓ GPS and Iridium antennas must be fixed (glued/rigged) horizontally on the navigation tower and clear of any obstacle at 180° to the sky (side-by-side possible). They may not be painted or integrated into the coachwork.

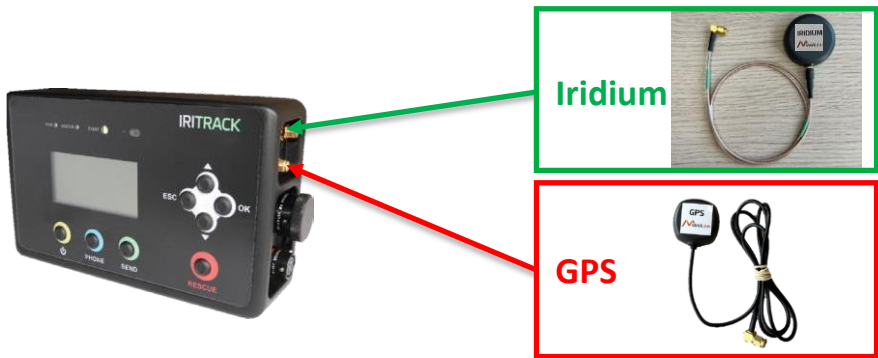
COMPLIANT





NON COMPLIANT



- ✓ Bring connectors to the bracket.



Last model	
GPS	
IRIDIUM	

Our new GPS (S27680) and Iridium (S27689) antennas have an integrated coax (fully integrated for GPS and thermally bonded to the antenna output for Iridium).

On older antennas with separate taxes, make sure you put a heat-shrink sleeve on each antenna/cable connection before you lock the connection :

GPS : connect the **red** ring coax (S80128) to the antenna (small square) → SMA connector

Iridium : connect the **green** ring coax (S80154) to the antenna (dodecagonale) → SMX connector



GOOD PRACTICE

- ✓ Active motorbike components (headlights, navigation tools, speed limiter, etc.) must be approved and must not radiate on the Iritrack's GPS and Iridium frequencies.
We will be particularly attentive to these potential disturbances during rallies.
- ✓ It is strictly forbidden to clean the Iritrack or the remote box with a karsher-type system, as this could damage the equipment!

EXEMPLE OF COMPLIANT INSTALLATIONS

Access to buttons + screen



If your setup does not fit compliance criterias, your installation must be done through Iritrack remote (see page 6).

IRITRACK REMOTE : MOTO – QUAD

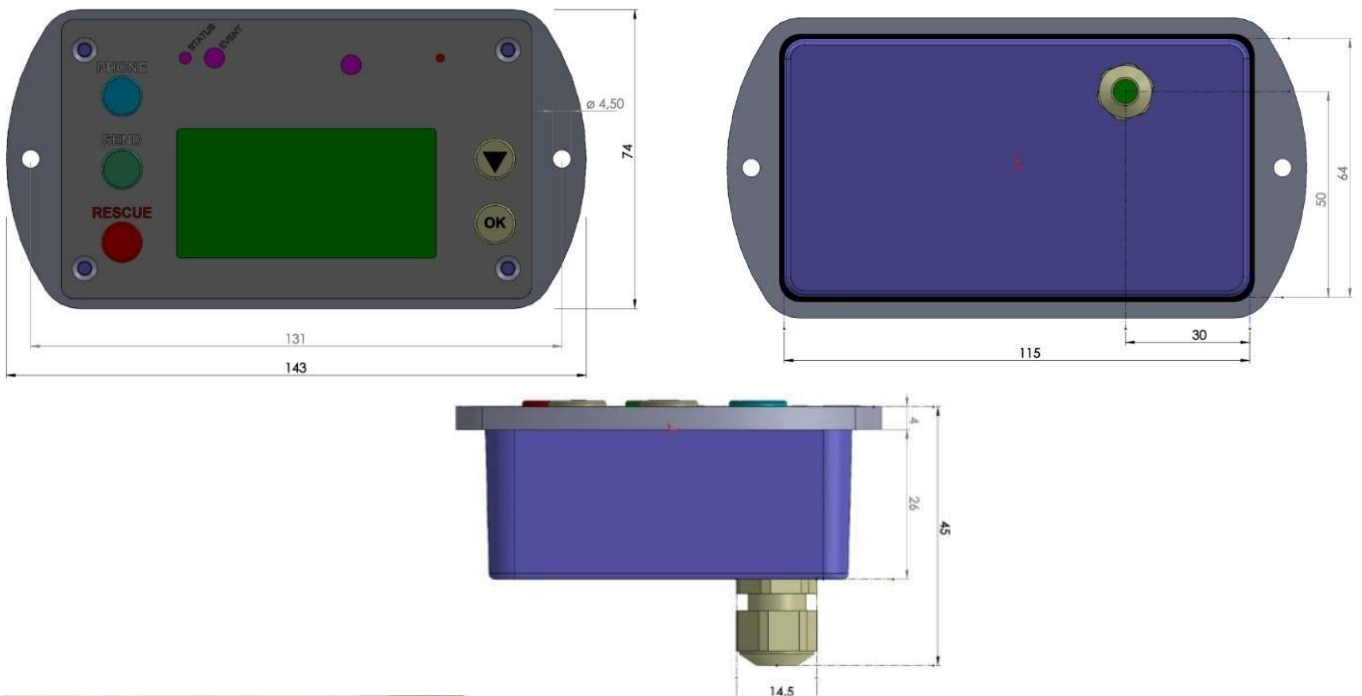
The remote box is an extension of the Iritrack in a reduced format offering the same functions as the latter (screen, buttons, voice, message).

It must be fixed or screwed (\varnothing 4,50mm) to the navigation tower or handlebars (see photo below), then connected to the Iritrack via the cable built in the offset.

As the installation may be different for each motorbike, we do not supply brackets or screws for the remote box. For these bikes, KTM supplies a bracket integrated into the front bubble of the bike with a return paste to fix the offset box.

Technical specifications :

- 1) Dimensions : 143 x 74 x 30 mm (L x l x P), sans le câble
- 2) Cable gland : 14,50mm
- 3) 220g, on-board micro
- 4) Powered by the Iritrack (5-36DC) via the power cable



Compliant installation on both systems :

- ✓ Visible and accessible buttons
- ✓ Screen visible

The angle of the offset on the photos is optimal. This makes it easier for the rider to read and use from the driving position.