



IRITRACK : MOUNTING GUIDE BIKE - QUAD

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

- **Vehicles geo-tracking on map** (competitors, organization, rescue...) with notifications on GPS point, speed, temperature, installation quality (antennas, power supply), etc.
- **Sending data** to Race HQ (race management office) :
 - **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, ...) → **Green button**
- **Phone communication** → **Blue button**
- **Text message prewritten** to the Race HQ

Iritrack technical specifications :

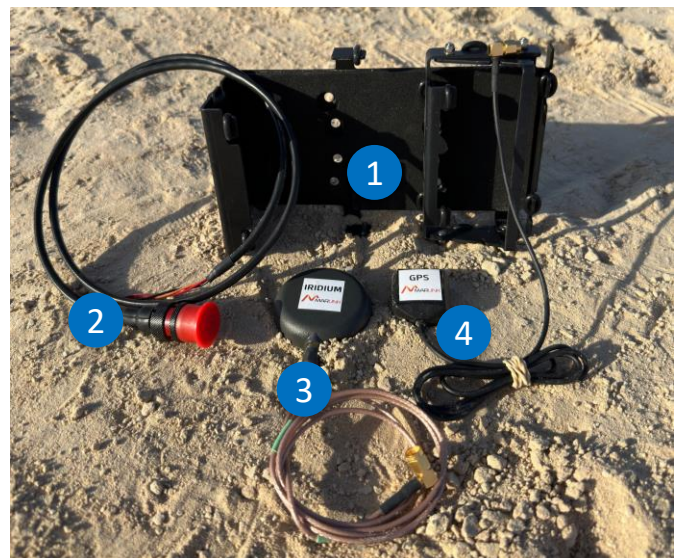
- 1) Dimensions : 180 x 112 x 53 mm (L x l x P), without bracket/cables
- 2) Weight : 830g
- 3) Consumption : 12V, 80mAh, (15mAh on standby)
- 4) External power supply : Input: DC 6-42V
- 5) Internal battery : rechargeable Li-ion, 5600 mAh
- 6) Internal antennas Iridium, GPS and radio
- 7) Microphone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



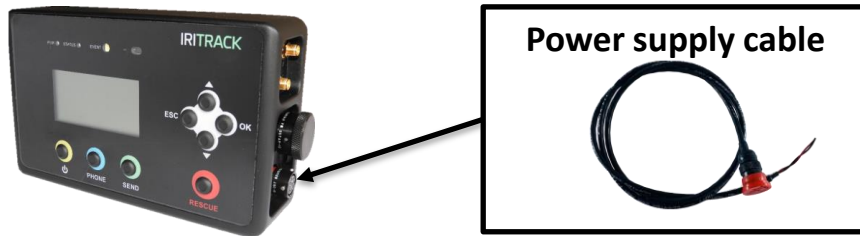
Kit composition bike/quad (S80171):

- 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/en/>



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*)

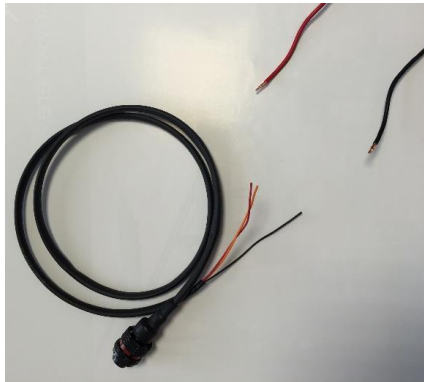
- 1 Prepare your Iritrack power cable, separating black wire from red and orange
- 2 Connect the power cable to your extension lead (lugs supplied), battery or fuse box :
 - red & orange of power cable with the red (+)
 - black with the black wire (-)

In the case of an extension laed :

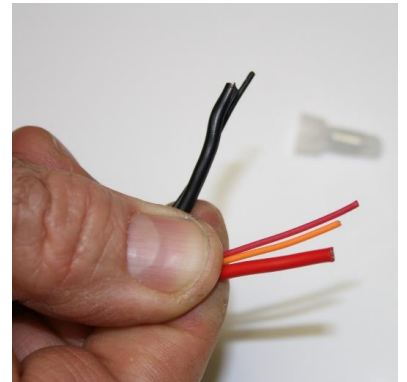
- 3 Use pliers to crimp the terminals
- 4 Connect the extension lead to the vehicle battery, the red wire to the +12V/+24V (red terminal) and the black wire to the negative pole of the battery
- 5 Plug the fuse



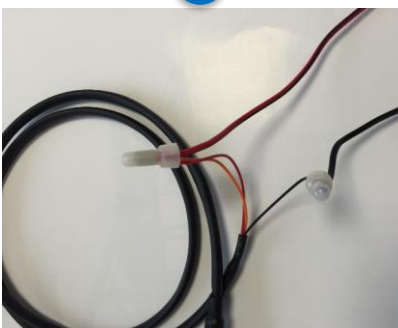
1



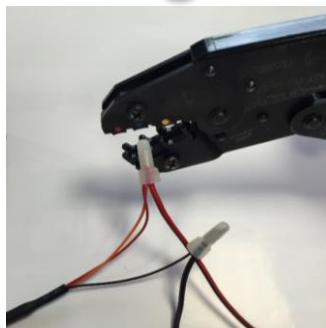
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2



3



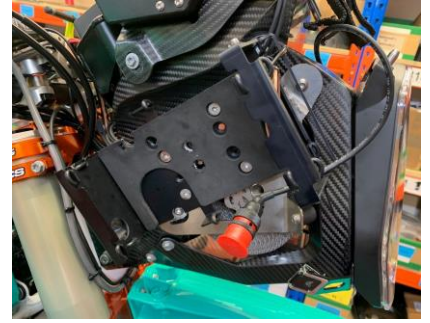
3



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 :

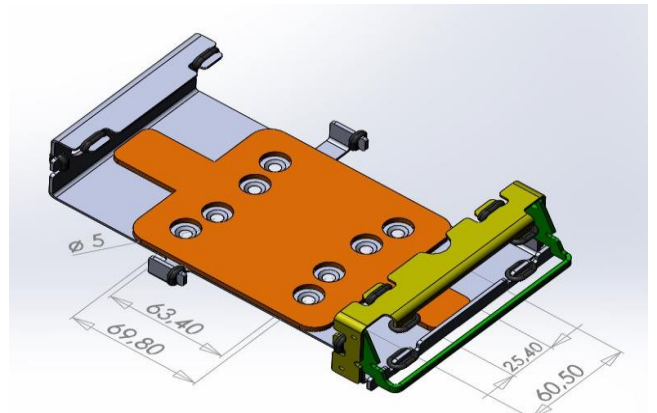
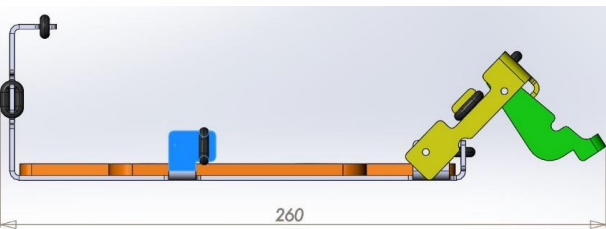
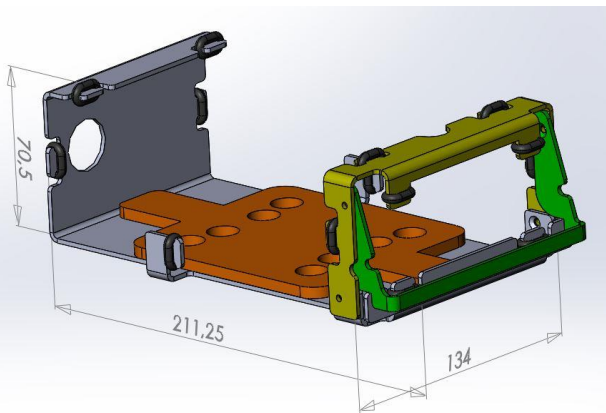
- ✓ EASY access to Iritrack buttons (with your gloves on)
- ✓ Clear view on the screen

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

INSTALLATION EXEMPLES ON PAGE 4

A bracket (S80153) is available if you need more space and/or to make your installatin easier (see page 6). Generally compulsory and fitted on all KTM450 Rally models.

Bracket 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-BLOCS

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

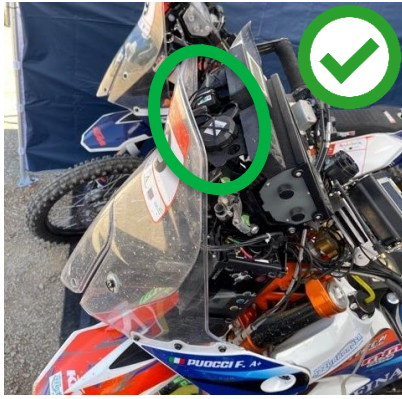
Without a valid shock absorption system, your installation will be declared as no compliant at the technical checks.



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

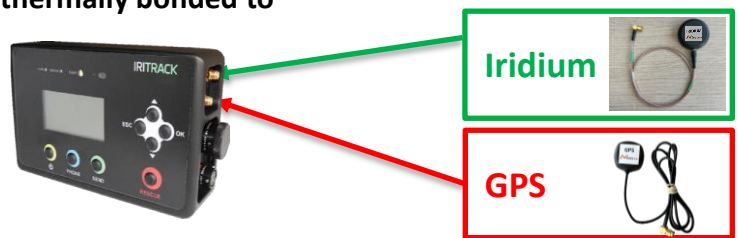


NON COMPLIANT



- ✓ Bring connectors to the bracket.

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 :

Last modele		
GPS	<p>GPS : connect the red ring coax (S80128) to the antenna (small square) → connecteur SMA</p>	
IRIDIUM	<p>Iridium : connect the green ring coax (S80154) to the antenna (dodecagonale) → connecteur SMX</p>	



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 Iritrack remote with a high-pressure cleaner, as this could damage the equipment!



EXEMPLE OF COMPLIANT INSTALLATIONS

Access to buttons + screen



If your vehicle's configuration doesn't allow it to meet the compliance criteria, installation will have to be carried out using the remote (see page 6).

REMOTE BOX : BIKE – QUAD

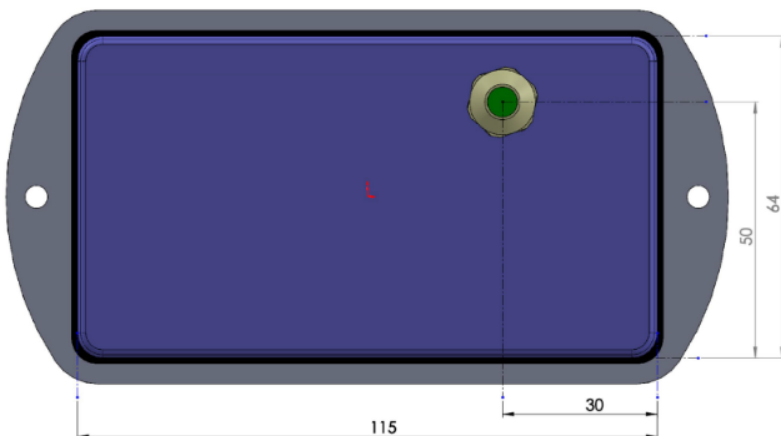
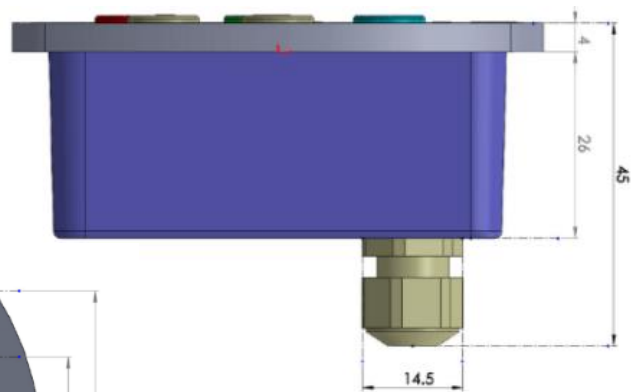
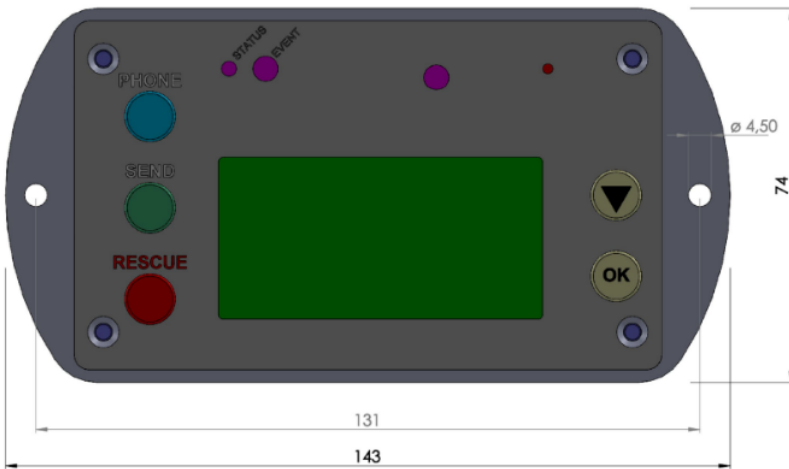
The remote box is an extension of the Iritrack in a reduced format offering the same functions as the latter (screen, buttons, voice, message).

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), without cable
- 2) Cable gland: 14,50mm
- 3) 220g, on-board micro
- 4) Powered by the Iritrack (5-36DC) via the power cable



REMOTE BOX : BIKE – QUAD



Compliant Installation 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.



**In the event of contraindicated use,
charges may apply for :**

- Use of third-party accessories**
- Electrical damage**
- High-pressure cleaning**

