



RALLY SAFETY SYSTEM

QUICK SELF - INSTALLATION MANUAL (ENDURO + ATV)

**FOLLOW THE INFORMATION BELOW ON HOW
TO INSTALL THE SYSTEM BEFORE GOING TO SCRUTINEERING**

Version released on 06.02.2024

STEP 1 – GET FAMILIAR WITH THE SYSTEM COMPONENTS

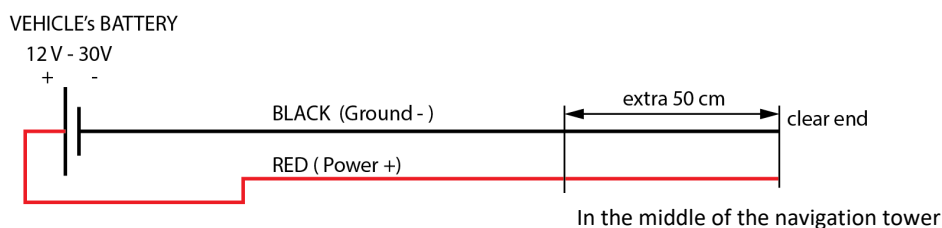


NOTE: If needed we can provide an additional extension cable to place the radio antenna on a better position.

- **IMPORTANT! NO CUTTING OF CABLES, MODIFICATION OF CONNECTORS OR OTHER INTERFERENCE IN THE SYSTEM COMPONENTS IS ALLOWED! ANY DAMAGE TO THE EQUIPMENT MUST BE PAID ACCORDING TO THE GEOTRAQ PARTS LIST!**

STEP 2 – PREPARE POSITIVE AND NEGATIVE CABLE FROM THE BATTERY TO THE NAVIGATION TOWER AND INSTALL INSULATED TERMINAL CONNECTORS (ONLY THOSE SUPPLIED BY THE ORGANISATION)

- **IMPORTANT! THE BATTERY MASTER CUT-OFF (KILL) SWITCH MUST NOT DISCONNECT THE POWER SUPPLY FOR THE RALLY SAFETY SYSTEM.**
- It is the responsibility of the competitors alone to provide, **DIRECT POWER SUPPLY** from the vehicle's battery according to the drawings provided.
- The power cables **MUST** be "flexible" (multi wire), insulated cables – 2 x **min 0.75 to max 1.25 mm²** (**WITH RED** for positive (+) wire and **BLACK** for negative (-) wire insulation color).
- The connection **MUST** have an **IN-LINE FUSE** - "BLADE TYPE" of 5A.



**FEMALE INSULATED
TERMINAL CONNECTORS**

STEP 4 – MOUNT THE GPS TRACKER ON THE PROPER POSITION

- For ENDURO the best position is at the navigation tower or the top end of the suspension forks.
- For ATV the best position is at the navigation tower or the area around the head light

- **IMPORTANT! THE GPS TRACKER MUST HAVE VISIBILITY TO THE SKY (NO METAL ON TOP OF THE DEVICE)**
- **IMPORTANT! INSTALLATION IS DONE WITH CABLE TIES THROUGH THE HOLES OF THE BASE OF THE DEVICE**
- **IMPORTANT! POSITION THE DEVICE IN SUCH A WAY THAT NO DIRECT DAMAGE CAN BE DONE!**



Installation of the GPS TRACKER on the suspension fork using cable ties.

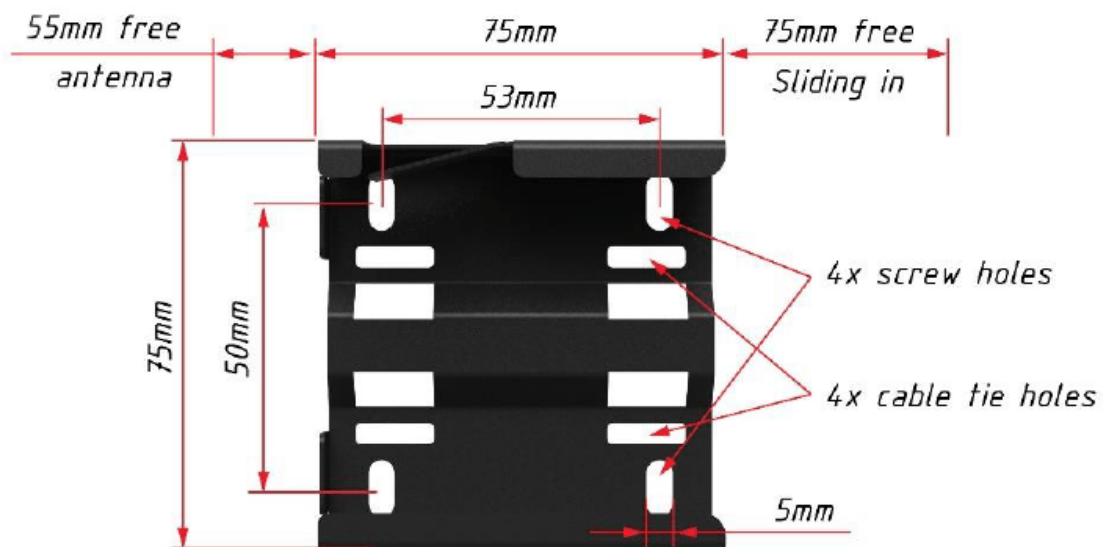
STEP 5 – MOUNT THE COM-BOX MOUNTING BRACKET AND INSERT THE COM-BOX UNIT ON THE PROPER POSITION

- You can bolt the mounting bracket as shown in the graphic below, or you can use cable ties to fix it to a central location on the navigation tower or to the handle bar.

- **IMPORTANT! THE COM-BOX MUST BE IN REACH OF THE DRIVER TO OPERATE THE BUTTONS!**
- **IMPORTANT! ENSURE THERE IS SUFFICIENT SPACE (MINIMUM 6 cm) AT THE SIDE OF THE UNIT TO ENABLE THE ANTENNA TO BE FITTED AND SLIDE THE UNIT INTO THE BRACKET!**

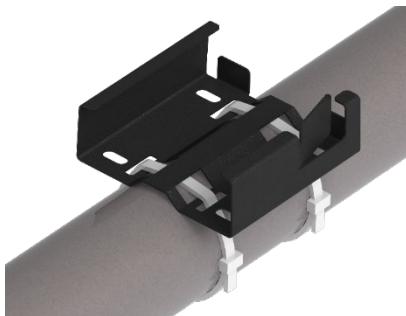
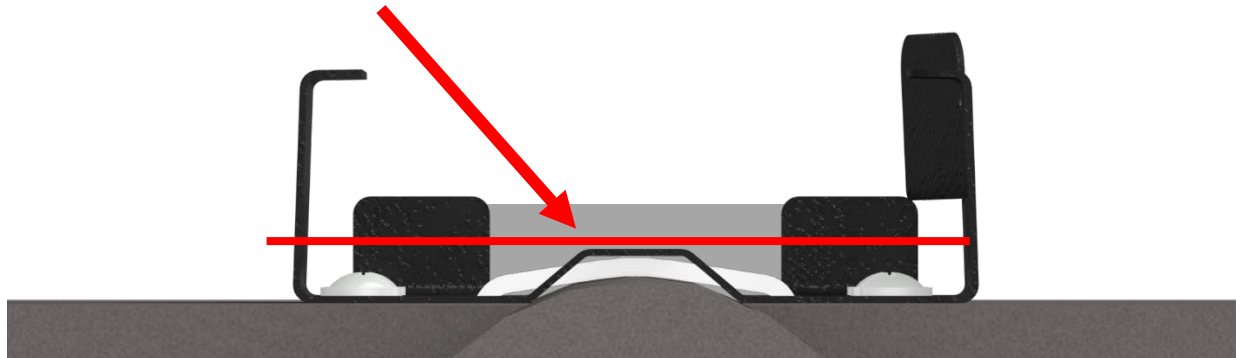


Installation of the Com-Box unit with bracket on the handle bar using cable ties.

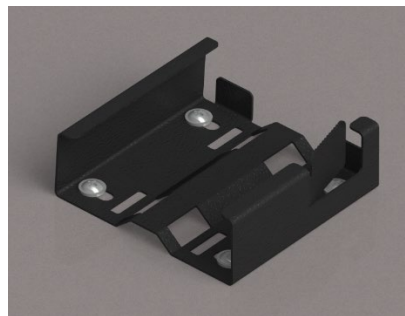




IMPORTANT! No bolt/screw heads or cable/zip ties can protrude over the red line as marked below.



Cable / zip tie fixture

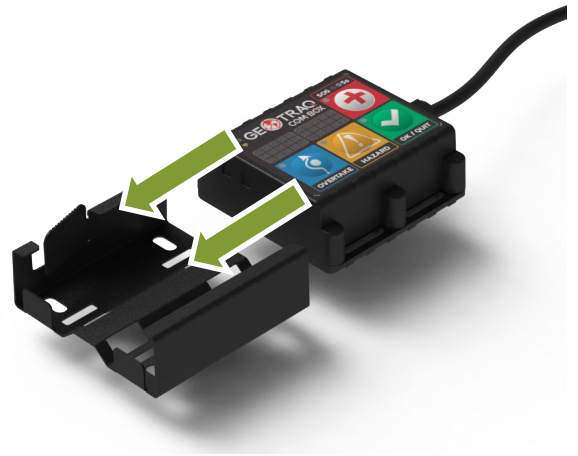


Screw / bolt fixture



Com-Box unit installed in bracket

- When the mounting bracket is securely installed, you can slide-in the Com-Box unit in.
- When slided in you MUST lock the device in place by pushing the top locking mechanism.



- **IMPORTANT! THE ANTENNA NEEDS AT LEAST 55mm ON ALL SIDES TO WORK PROPERLY! MAKE SURE NOT TO PLACE IT RIGHT NEXT TO OTHER METAL COMPONENTS!**

STEP 6 – CHECK THE STATUS OF THE RALLY SAFETY SYSTEM.

- First, make sure the antenna is connected (optional extension cable and antenna)
- Second, check the blue connectors (buzzer) are tight
- Third, check the connection of the black connectors between the GPS Tracker and the Com-Box unit
- Finally check the connection of the 2 power terminals (positive and negative)

- **IMPORTANT! WHEN CONNECTING THE POWER TERMINAL MAKE SURE YOU HAVE THE PROPER POLARITY – RED is POSITIVE, BLACK is NEGATIVE!**
- **IMPORTANT! IF ALL THE COMPONENTS ARE CONNECTED PROPERLY, THE COM-BOX UNIT WILL DISPLAY A “GREEN STATUS” ON THE BATTERY ICON AND “BLUE/GREEN STATUS” on the RADIO ICON**




STEP 7 – FINAL INSPECTION AT SCRUTINEERING

- Install the cables loosely using only a few cable ties and in such a way that they can be clearly checked at scrutineering.
- Only **after** you receive **APPROVAL** from the Scrutineer and/or the GPS Technician, you can fully fasten the cables onto the vehicle using cable ties. **DO NOT** overuse cable ties!
- **DO NOT** use insulating or any other tape to group the cables.



- **IMPORTANT! DO NOT PLACE THE CABLES FOR THE SYSTEM IN DIFFICULT OR HIDDEN PLACES (INSIDE THE NAVIGATION CONSOLE OR HARD TO REACH LOCATIONS). THE INSTALLATION WILL BE CHECKED TO ENSURE THE SYSTEM AND ADDITIONAL COMPONENTS ARE PROPERLY INSTALLED AND OPERATIONAL AT SCRUTINEERING AND IF REQUIRED, YOU WILL NEED TO REROUTE THE WIRING.**

STEP 8 – WATCH THE VIDEO OF HOW TO USE THE SYSTEM

BATTERY STATUS

-  – EXTERNAL POWER
-  – NO EXTERNAL POWER
-  – (BLINKING) INT. BATTERY EMPTY

RADIO STATUS

-  – RADIO OK
-  – SLEEP MODE, NO RADIO

OVERTAKE FUNCTION

DANGER BEACON



EMERGENCY SOS BEACON

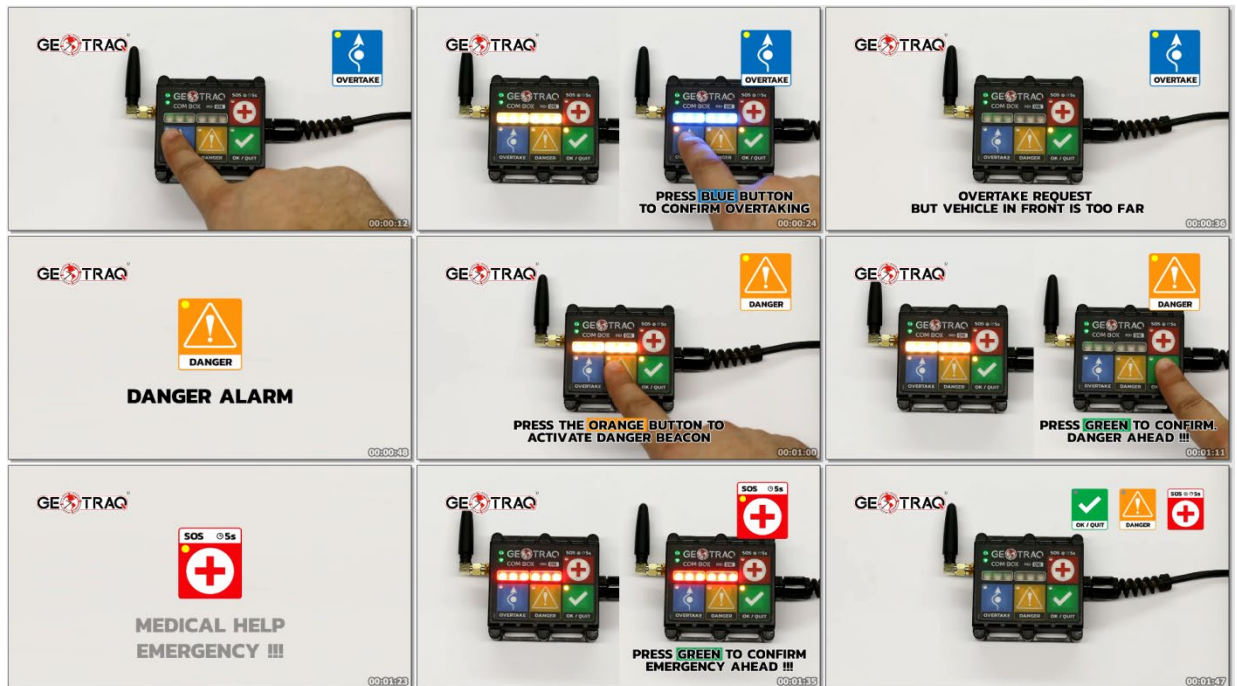
– PRESS AND HOLD UNTIL ACTIVATED

CONFIRM / QUIT BUTTON

- On the following link, you can learn how to operate with the Com-Box:

<https://www.youtube.com/watch?v=6hSXuu6DcyE>





STEP 9 – RETURNING THE SYSTEM

When it's time for you to return the system from your vehicle you **MUST** do this in the following order:

- First disconnect the negative (-) wire, then disconnect the positive (+) wire from the cable from your vehicle's battery at the female quick connect terminals.
- Second disconnect the COM-BOX - TRACKER cable
- Third disconnect the Buzzer – COM-BOX cable

- **IMPORTANT! WHEN YOU RETURN THE SYSTEM TO THE GPS DESK, YOUR EQUIPMENT WILL BE CHECKED FOR DAMAGE & DEFECTS AND IF FOUND – YOU WILL BE REQUIRED TO PAY FOR THE DAMAGE TO THE EQUIPMENT ACCORDING TO THE GEOTRAQ PARTS LIST!**