

RALLY SAFETY SYSTEM

QUICK SELF - INSTALLATION MANUAL

(CAR / SSV / TRUCK)

FOLLOW THE INFORMATION BELOW ON HOW

TO INSTALL THE SYSTEM BEFORE GOING TO SCRUTINEERING

Version released on 12.03.2024

STEP 1 – GET FAMILIAR WITH THE SYSTEM COMPONENTS

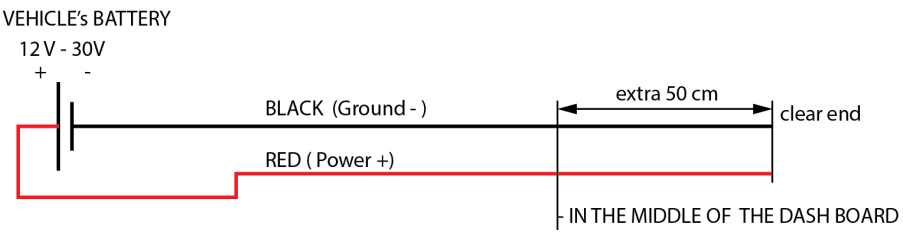


NOTE: If needed we can provide an additional extension cable to place the radio antenna on a better position.

- **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 DASH BOARD AND INSTALL INSULATED TERMINAL CONNECTORS (ONLY THOSE SUPPLIED BY THE ORGANISATION)

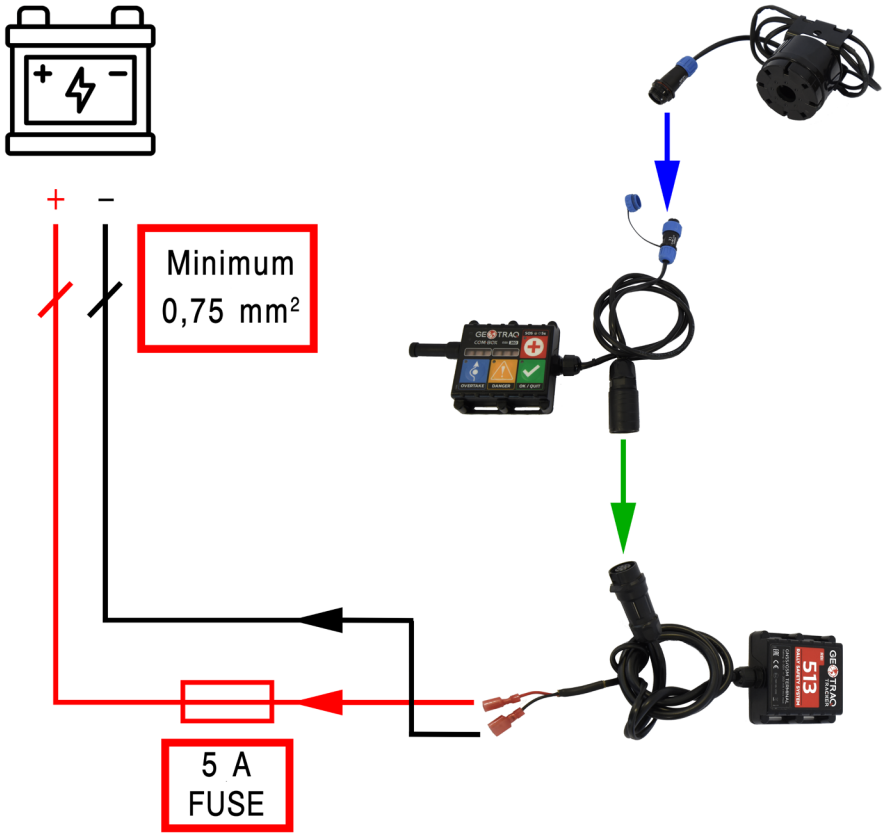
- **IMPORTANT! THE BATTERY MASTER CUT-OFF (KILL) SWITCH MUST NOT DISCONNECT THE POWER SUPPLY FOR THE RALLY SAFETY SYSTEM.**
- It is the responsibility of the competitors alone to provide, **DIRECT POWER SUPPLY** from the vehicle's battery according to the drawings provided.
- The power cables **MUST** be "flexible" (multi wire), insulated cables – 2 x **min 0.75** to 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

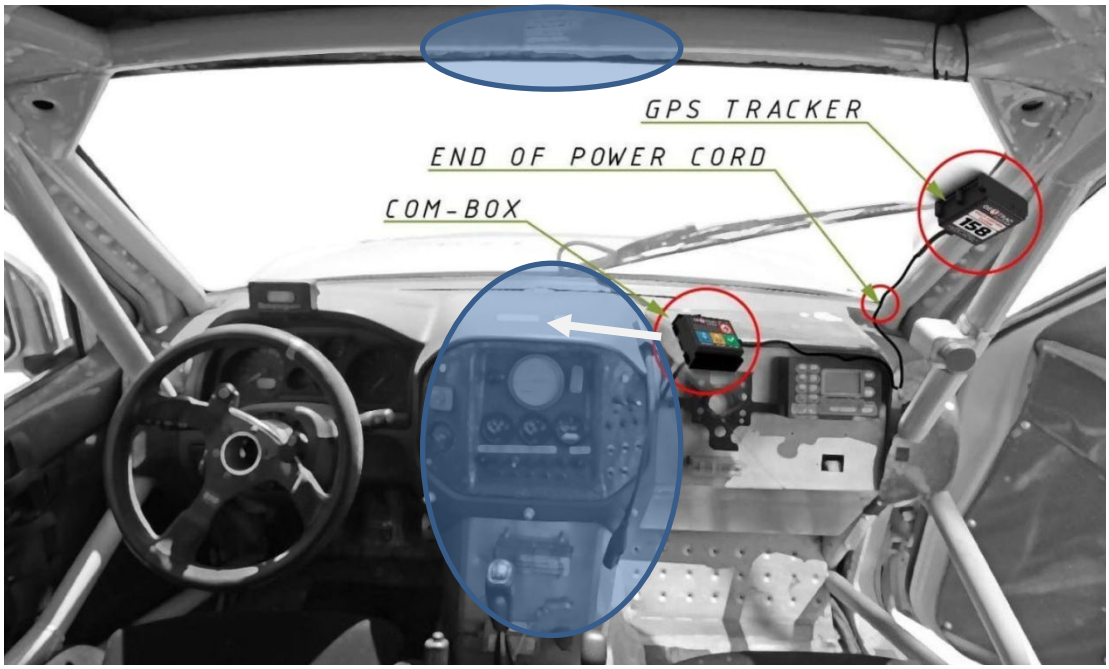
STEP 3 – MOUNTING THE SYSTEM - OVERVIEW



Overview of the system connections.

- You will receive two 6,3 mm female quick plug terminals for the power connection. **If you have old terminals, discard them and use the provided new ones!**

- **IMPORTANT! USE ONLY THE PROVIDED QUICK PLUG TERMINALS! DO NOT USE YOUR OWN!**
- **IMPORTANT! USE PROPER TOOLS TO CRIMP THEM!**



*Following a change in the regulations, the '**Com-box'** must be mounted in a central location as per indicated areas in blue, to enable both driver & co-driver to be able to reach the SOS button from their seat with seatbelts on. Shown are the mounting positions of the system components.*

STEP 4 – MOUNT THE GPS TRACKER ON THE PROPER POSITION

- The best position is the "A-pillar" of the roll cage, or the horizontal member of the roll cage, with the tracker facing upwards.

- **IMPORTANT! THE GPS TRACKER MUST HAVE VISIBILITY TO THE SKY (NO METAL ON TOP OF THE DEVICE)**
- **IMPORTANT! INSTALLATION IS DONE WITH CABLE TIES TROUGH 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 roll cage "A-pillar" of a Car using cable ties.

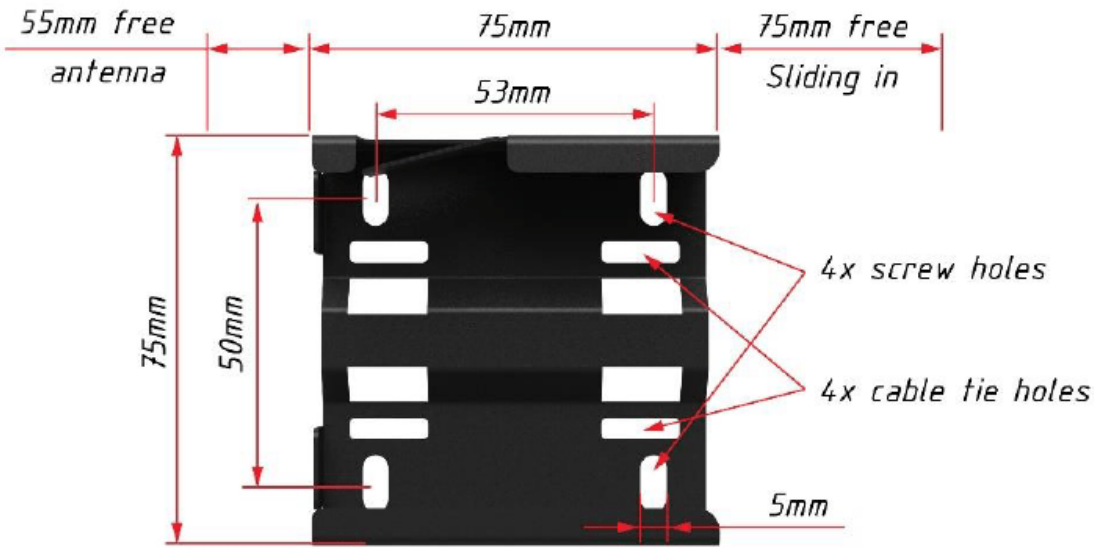
STEP 5 – MOUNT THE COM-BOX MOUNTING BRACKET AND INSERT THE COM-BOX UNIT ON THE PROPER POSITION

- You can bolt the mounting bracket as shown in the graphics below, or you can use industrial grade velcro or double-sided tape to stick it to a good surface or use cable ties to fix it to a central location on the dashboard or to the overhead tube of the roll cage above the centre of the dashboard.
- If needed, additional opening can be drilled to fix it on the required position.

- **IMPORTANT! THE COM-BOX MUST BE IN REACH OF THE DRIVER / CO-DRIVER TO OPERATE THE BUTTONS!**
- **IMPORTANT! ENSURE THERE IS SUFFICIENT SPACE AT THE SIDE OF THE UNIT TO ENABLE THE ANTENNA / EXTENSION TO BE FITTED AND SLIDE THE UNIT INTO THE BRACKET!**

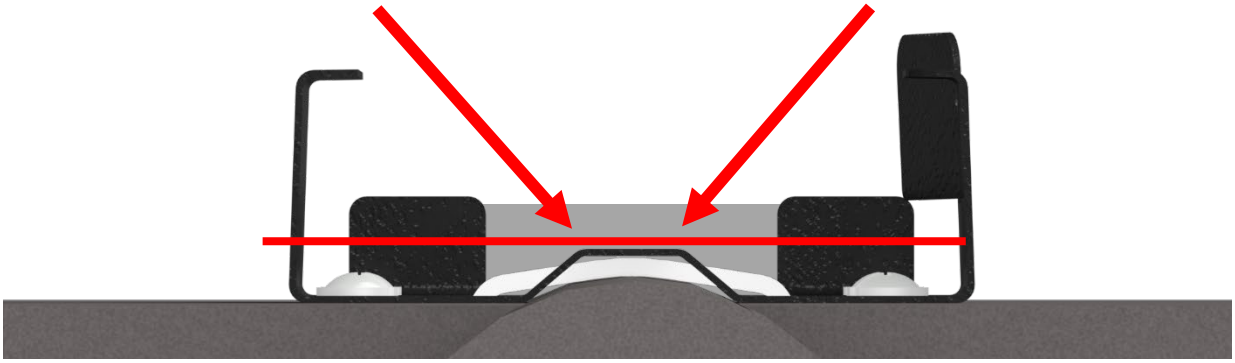


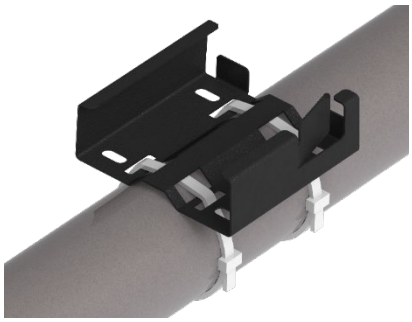
Installation of the Com-Box unit with bracket on the dashboard using bolts. ***This must be in a CENTRAL location and not as indicated above, only in front of the co-driver****.*



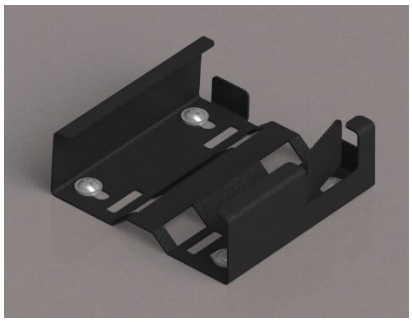


IMPORTANT! No bolt/screw heads or cable/zip ties can protrude over the red line as marked bellow.





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)

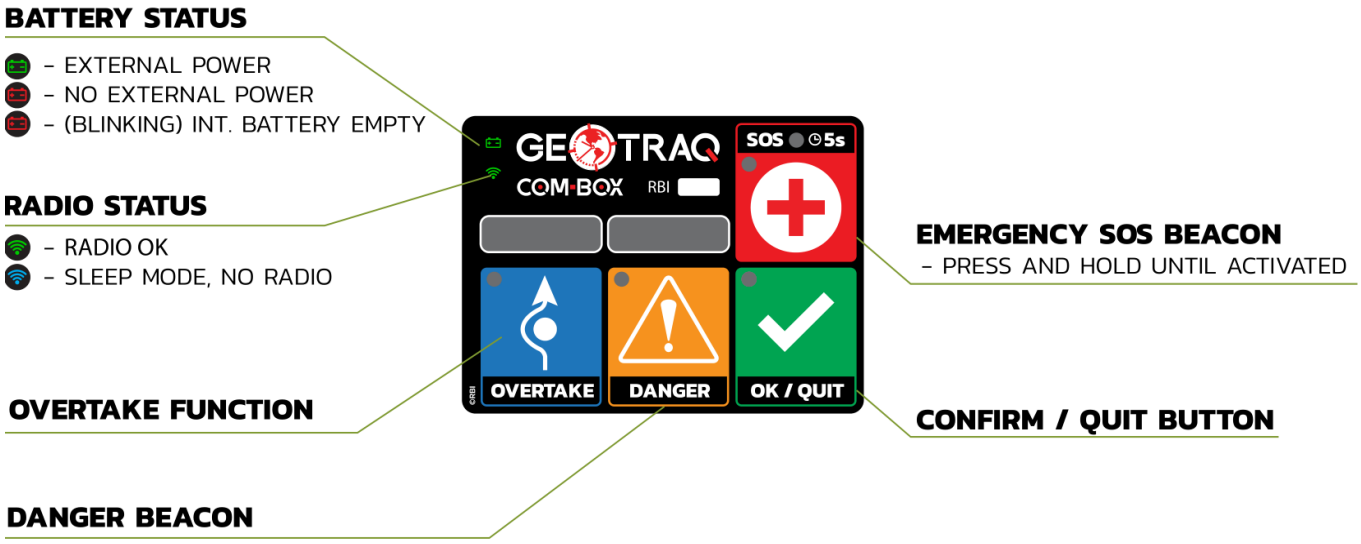
- **IMPORTANT! WHEN CONNECTING THE POWER TERMINAL MAKE SURE YOU HAVE THE PROPER POLARITY – RED is POSITIVE, BLACK is NEGATIVE!**
- **IMPORTANT! IF ALL THE COMPONENTS ARE CONNECTED PROPERLY, THE COM-BOX UNIT WILL DISPLAY A "GREEN STATUS" ON THE BATTERY ICON AND "BLUE/GREEN STATUS" on the RADIO ICON**

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 DASHBOARD OR HARD TO REACH LOCATIONS). THE INSTALLATION WILL BE CHECKED TO ENSURE THE SYSTEM AND ADDIRTIONAL 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



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

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

YouTube





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!**

QUICK FUNCTION DESCRIPTION

CONNECTION TO SATELLITE POSITIONING

CONNECTION TO GSM NETWORK



PRESS AND HOLD FOR 5 SECONDS

MEDICAL / FIRE EMERGENCY

- MEDICAL ASSISTANCE NEEDED
- FIRE ASSISTANCE NEEDED



WARNING CARS APPROACHING

OVERTAKE



SEND REQUEST TO CAR IN FRONT



CONFIRM REQUEST TO CAR BEHIND

HAZARD BUT NO EMERGENCY

- TRACK IS BLOCKED
- TECHNICAL ASSISTANCE NEEDED



WARNING CARS APPROACHING

1 OK GOOD STOP

- TRACK IS CLEAR
- NO ASSISTANCE NEEDED

2 QUIT ANY OTHER ACTIVE FUNCTION

3 CONFIRM RED FLAG

QUICK FUNCTION DESCRIPTION

RADIO CONNECTION

- CAR-TO-CAR **ON**
- CAR-TO-CAR **OFF**

POWER SUPPLY

- POWER SUPPLY FROM THE CAR – **12V**
- **NO** POWER SUPPLY FROM THE CAR



CHARGING

- RED LIGHT **ON** WHEN CHARGING

SIREN VOLUME

CONSECUTIVE PRESS CHANGES SIREN VOLUME → **HIGH** → **LOW** → **MUTE** (red light on)