

## Instructions for use of mobile gps repeater kit

The gps repeater kit comes with the following content:

- Ruggedized Case Typ Explorer 83
- Gps repeater with 230 V AC power supply(includes passive gps antenna)
- Adapterplate for connection of repeater to stativ
- Activ receiving antenna with SMA connector
- Coaxialcable Typ LMR195 with 30 m length, TNC-m and SMA-m



Please use the repeater only indoor! The system can not work outdoor because of interference between receiving and sending antenna.  
The case can be carried and can be rolled.

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# Installation:

## 1. Positioning of outdoor antenna

Before installing the gps outdoor antenna please check the quality of gps signal on this place, so that you could be sure to receive a good signal on this location. You should only use an location with bright view to the sky.



Please note that the outdoor antenna should not be installed in sight to the sending antenna because of interferences. This interferences could shut down the hole system.

## 2. Setup the gps repeater

Put the gps repeater on the stativ with the adapterplate and adjust the sending antenna in direction of the gps test object. The distance between the repeater and the test object should be between 3 and 10 m.



## 2. Connecting the cables

Connect the coaxial cable LMR195 to the receiving antenna and the repeater. Make sure that the cable gets no damage from a kink.

## 3. Connect the power supply

Connect the power supply to a 230 V AC socket.

Now you will receive the gps signal from the position of your receiving antenna. If the signal power is to low, you can just put the stativ closer to your test object. The closer the distance between the test object and the repeater, the higher the signal level.

Due to current regulatory considerations, GPS repeater kits are available for work in shielded environment. Please ask your federal offices if you have any questions about regulations about in your country.