

GPS Re-radiating Antenna Kit

Model: RA-50

**Connector-free antenna solution for handheld GPS receivers/
with up to 2-meter re-radiating range!**



RA-50 is a complete GPS L1 band signal re-radiating unit with dual antennas to re-transmit real-time GPS satellite signal outdoor receptions to an indoor environment. The re-radiating internal antenna allows multi GPS receiver users to perform on-the-fly normal receiver performance within a closed environment, while the main GPS antenna is located on an unmanned outdoor location

The system kits are designed to operate as whole, it includes a high gain external GPS antenna, precisely calibrated amplifier circuit with Helix type indoor antenna and a power supply regulator built-in.

Excellent for GPS navigation devices installed in cars, buses, trucks, trains, ships and boats etc., especially in urban areas when GPS signals are blocked by high building.

Geoidsoft Inc. - Mobile GPS Online

3151 Strandherd Drive, P. O. Box 45535, Ottawa, ON K2J 0P9 Canada

<https://www.mobilegpsonline.com> e-mail: sales@mobilegpsonline.com

Tel.: 613-8230926

Features

- An ideal GPS L1 band signal re-radiator or repeater for in-vehicle navigation devices.
- The re-radiating internal antenna allows multi GPS receiver users to perform on-the-fly normal receiver performance within a closed environment, while the main GPS antenna is located on an un-manned outdoor location
- The system kits are designed to operate as whole, it includes a high gain external GPS antenna, precisely calibrated amplifier circuit with Helix type indoor antenna and a power supply regulator built-in.
- The re-radiating indoor antenna can support any type of GPS receivers that use the L1 band 1575.42MHz frequency. It can provide good signal reception to a distance of 1 ~ 2 meters, depending on indoor noise environment.

Applications

RA-50 can support any type of GPS receivers that use the L1 band 1575.42MHz frequency. It can provide good signal reception to a distance up to 2 meters, depending on indoor noise environment. The internal antenna can be used and located in the following to provide good GPS reception environment:

- LABORATORY
- MOBILE HOMES
- VEHICLES
- TRUCKS
- TRAINS
- SHIPS
- SAILING BOATS
- BUSES
- ROVERS
- SAILING BOATS
- AICRAFTS etc.

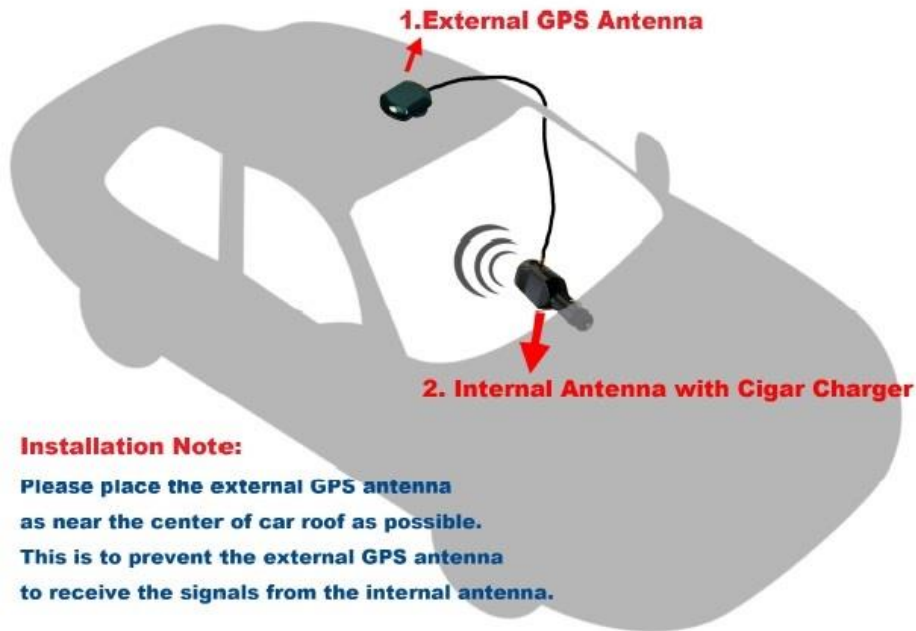
Geoidsoft Inc. - Mobile GPS Online

3151 Strandherd Drive, P. O. Box 45535, Ottawa, ON K2J 0P9 Canada

<https://www.mobilegpsonline.com> e-mail: sales@mobilegpsonline.com

Tel.: 613-8230926

Installation



RA-50 is compatible with all the L1 GPS devices and helps in GPS receptions in the closed

Note: The helix type re-radiator has to be located/mounted inside the vehicle with adequate isolation from the RA-50 external antenna to avoid interference.



**Mobile[®]
GPS Online**

Antenna Solutions Global Service

Specifications

External antenna type:	Active patch antenna with SMA plug
Frequency:	1575.42MHz (L1 band)
Internal antenna type:	Active patch antenna
Frequency:	1575.42MHz (L1 band)
Supply Voltage:	DC adapter supply 12V DC
Current consumption:	30mA

Geoidsoft Inc. - Mobile GPS Online

3151 Strandherd Drive, P. O. Box 45535, Ottawa, ON K2J 0P9 Canada

<https://www.mobilegpsonline.com> e-mail: sales@mobilegpsonline.com

Tel.: 613-8230926