

GPS Re-radiating Antenna Kit

MODEL: RA-46

[Connector-free antenna solution for handheld GPS receivers/
with up to 2-meter re-radiating range!](#)



The RA-46 is a complete GPS L1 band signal re-radiating unit with dual antennas to re-transmit real-time GPS satellite outdoor receptions to an in-door environment. The Helix type in-door antenna system 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 out-door location.

System Description

The system kits are designed to operate as whole, it includes a high gain external GPS antenna, precisely calibrated amplifier circuit with Helix

Applications/Coverage

The re-radiating indoor circuit with Helix type 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 2 meters or more, depending on indoor noise environment. The indoor Helix antenna can be used and located in the following:

<u>Vehicle</u>	<u>Bus</u>	<u>Trains</u>	<u>Ships</u>	<u>Aircraft</u>
<u>Multi-receivers</u>	<u>Laboratory</u>	<u>Sailing Boats</u>	<u>Rovers</u>	<u>Office</u>

Re-radiating Antenna Specifications

External antenna type:	Micro strip active patch
Frequency:	1575.42MHz (L1 band)
Internal antenna type:	Helix passive with mounting holes
Frequency:	1575.42MHz (L1 band)
Supply Voltage:	DC adapter supply 8~30V DC
Current consumption:	30mA

Installation Note

If the device is used with our **SM-66**, please make sure that they are not interfered with their own signals. For instance, if you install the two devices for vehicle use and mount the **SM-66** on the car's roof, please follow the instructions illustrated below:

