

# GPS (L1) Low cost Repeater Kit



## FEATURES

- **Easy, Low Cost Installation**
- **Suits (L1) 1575 MHz GPS Receivers**

The GPS-Repeater System is essentially a repeater kit to provide wireless indoor GPS Signal to allow the use of a GPS Receiver indoors, without the necessity for connection to an external antenna. This system is ideal for testing or timing applications. The kit consists of three main components, two antennas and a repeater block. The active antenna is mounted outside the building or lab with a clear view of the sky. The passive antenna is mounted indoors, to the ceiling in a central position in the room, to allow for even coverage.

DC power is fed to both active antenna and the repeater block using a DC 9 Volt Plug pack (not supplied) or batteries. The DC source is connected to the Repeater Block and the active antenna is powered via the coaxial cable from the Repeater Block.

## Specifications

How to Order: Part Number:  
GPS-REPEAT-XXX

Suffix = Modifications or specials

The **GPS-REPEAT L1 (1535 MHz) kit** consists of the following items:

1. Active – Standard MaxiNav Antenna\*. Supplied with a pole mount, Bottom exit RG58 cable tail 150mm (0.45') long, N Female (Jack) connectorized.
2. Passive – Standard GPS2000 Antenna\*. Supplied with side exit RG58 cable tail One (1) Metre (3.28') long, BNC Female (jack) connectorized. Velcro or double sided tape can be used to mount this antenna to the ceiling (Part No # GPSP13BS1).
3. Repeater Block (AMA-061F). Provides filtering and amplification at 1575 MHz. Also used to supply power to the active antenna. A power cable is supplied, but a power source is not. Suggest the use of a 9volt DC plug pack or battery supply.
4. 3 Metre (9.8') power supply cable terminated at one end with a 3 pin Tajimi (R05-PB3F) power plug for connection to Repeater Block.
5. 12 Metre (40') low loss cable assembly – CA-04913A24A1200-08 is supplied for connection between the active antenna and the repeater block. N Male to TNC connectorized.
6. 5 Metre (16.4') low loss cable assembly – CA-04902A24A500-08 is supplied for connection between the passive antenna and the repeater block. Assembly BNC Male to TNC Male.
7. Optional Marine Knuckle can be supplied to allow 'aiming' of the roof top antenna. The knuckle screws directly into the pole mount on the active antenna, P/N: A-762.
8. \* Upon request, the standard Antenna can be changed. Please consult Rojone Pty Ltd.

Optional Extra Accessories:

2 Way GPS Splitter Part Number # AMA-2301-2N

4 Way GPS Splitter Part Number # AMA-2301-4N

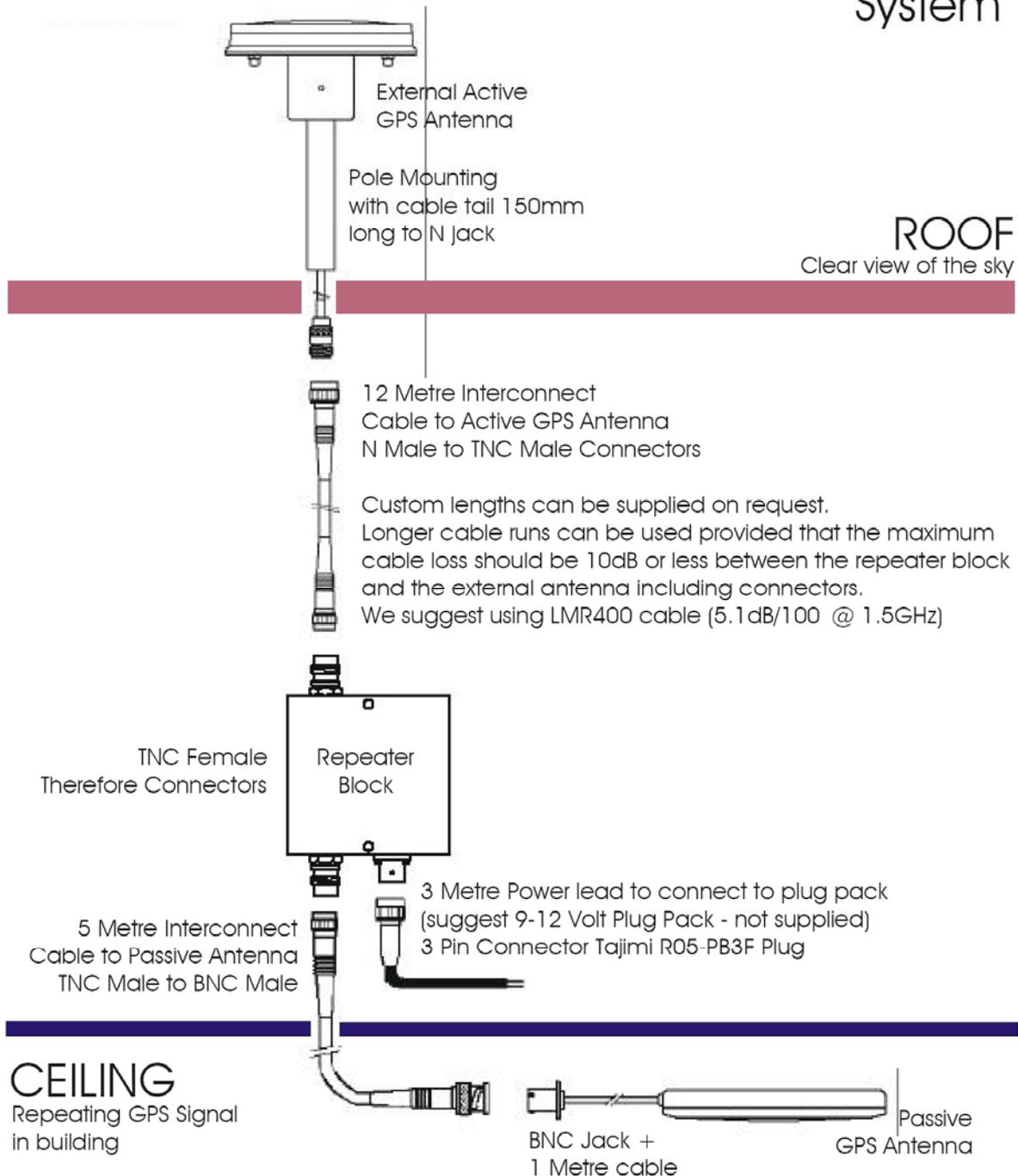
Passive Antenna Part Number # GPSP13BS1

Standard Kit Weight 2Kg



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## GPS Repeater System



**Warning !** The system may cause interference, variable or inline attenuator should be used to back off the signal to an acceptable level.