

## Mobile L1/L2 GPS Repeater System

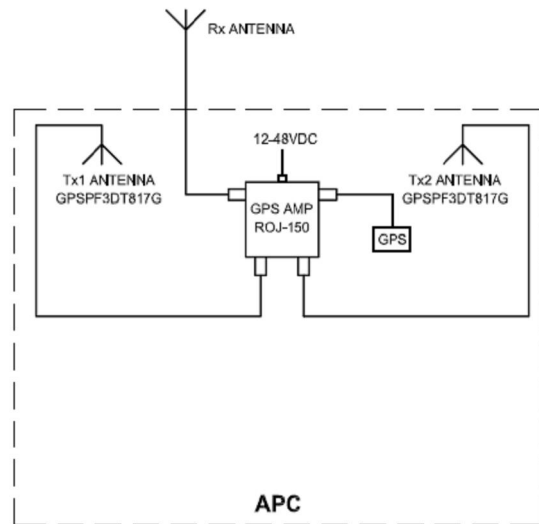
for Armored Personnel Carriers (APC)

Military Application

Rojone has recently added a New Mobile L1/L2 GPS Repeater product to its already extensive family of commercial and military systems. The ROJ-150 kit is specifically designed for troop carrying mobile platforms such as APC's (armored personnel carriers).

The ROJ-150 system, when installed, will re-transmit the GPS L1/L2 band signals within the enclosed vehicle to provide adequate coverage to maintain personal GPS receivers on equipment and man packs.

Connected between the vehicles existing external receive GPS antenna and any existing L1/L2 GPS receiver, the repeater uses a directional coupler technique to minimize any impact on the existing GPS system. The device is designed to be unconditionally stable and will not introduce any interference to the existing radios or GPS system on the same vehicle.



### Features

- Works with any GPS L1/L2 receiver system already installed
- Connects to existing GPS antenna
- 8-48VDC supply with surge protection
- Compact & cost effective
- Easy to Install
- No maintenance

### Specification

Operating frequency range	1.22-1.23GHz L2 band & 1.53-1.58GHz L1 band
Maximum Power Re-transmitted	-40dBm
Power supply	8 to 48 VDC
Coupling to GPS Receive Antenna	-10dB
Power Consumption	500mw maximum
Filtering	>80dB for VHF/UHF radios
Operating Temperature Range	-40 to +70 Degrees C
Humidity	100%
Withstand VHF/UHF Power	50 watts @ 0.2m away from Tx antenna
RF Connectors	TNC Female

