The repeater is a bi-directional amplifier with manual attenuation and ALC function, which used to enhance signals between a mobile and a base station.

It features with customized frequency band, flexible installation, cost-effectiveness and ideal coverage solution. It is applied to small, medium-size areas such as group office, bus station, small factory and Vila etc.

It can be customized to singel band repeater with 2G, 3G, LTE FDD 4G.

**Features**
- High system gain > 75dB, High system output power
- Light weight, small dimensions, easy to install
- Easy set DL/UL gain via local PIN switch manually
- Smart Automatic Level Control (ALC) to reduce interference to BTS
- Linear power amplification to effectively suppress inter-modulation and spurious emission
- An alarm interface with unique color LEDs to indicate power supply and signal level of uplink and downlink
- Simple installation with external AC/DC adapter
- Dual ports and full duplex design

**Specification**

<table>
<thead>
<tr>
<th>Frequency (Customized)</th>
<th>Band 1-Band 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain</td>
<td>≥ 70 dB</td>
</tr>
<tr>
<td>Output Power</td>
<td>20 dBm</td>
</tr>
<tr>
<td></td>
<td>23dBm</td>
</tr>
</tbody>
</table>

- **Gain Adjustment Range/Step**: BS (PIN ON), MS (PIN OFF)
- **BS/MS**: 0dB/1dB
- **ALC Scope**: ≥ 20dB
- **In-Band Ripple**: ≤ 3dB
- **Input Impedance**: 50 Ω
- **VSWR**: ≤ 1.5
- **Noise Figure**: ≤ 6dB
- **Inter-modulation Attenuation**: -45dBc
- **Spurious Emission**: ≤ -36dBm (2kHz~10Hz) / -30dBm (1~12.25GHz)
- **System Delay**: ≤ 5μs
- **Max Input Power Level (1 minute)**: ≤ 10dBm
- **RF Connector**: N-Type (Female)
- **Operating Temperature**: -10°C~+60°C
- **Power Supply (Customized)**: AC 100-240VAC
- **Shipment Dimension (mm)**: 260mm×310mm×95mm
- **Shipment Weight (kg)**: 1.8kg

![Signal Booster 850 MHz 75dB](image)

**MODEL: PORP27C75G**