Notice:
1. Never power the unit ON without the antennas connected.
2. The functionality is greatly affected if antennas are not installed correctly. Ensure the antennas are properly connected before usage.
3. When powered ON, keep the unit away from computers, notebooks, televisions, audio and AM/FM radio equipment, to prevent interferences.
4. The normal operational temperature is about 65° C. If the temperature is higher than the above, turn off the power immediately and allow it to cool down.
5. Functional coverage depends on the (physical) location and strength of the ambient mobile phone base stations.
6. Placing the device in a higher position provides better coverage. 2 meters height is recommended.
7. The Ni-MH rechargeable battery has estimated 500 recharge cycles. Please contact us to replace battery if it is not rechargeable.

Included:
Main unit x 1 pc
Power adapter x 1 pc
Car charger x 1 pc
Omni antenna x 10 pcs
Default Tuning (your unit may vary):

<table>
<thead>
<tr>
<th>Frequency Bands</th>
<th>PH5 Europe Type</th>
<th>PH5 N. America Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band 1</td>
<td>167-175MHz</td>
<td>167-175MHz</td>
</tr>
<tr>
<td>Band 2</td>
<td>1800-1920MHz</td>
<td>1800-1990MHz</td>
</tr>
<tr>
<td>Band 3</td>
<td>3G 2100-2170MHz</td>
<td>3G 2100-2170MHz</td>
</tr>
<tr>
<td>Band 4</td>
<td>4G H 2570-2690MHz</td>
<td>4G H 2500-2690MHz</td>
</tr>
<tr>
<td>Band 5</td>
<td>GPS L1 + Glonass L1 1570-1620MHz</td>
<td>GPS L1 + Glonass L1 1570-1620MHz</td>
</tr>
<tr>
<td>Band 6</td>
<td>GSM 920-965MHz</td>
<td>GSM 850-895MHz</td>
</tr>
<tr>
<td>Band 7</td>
<td>2400-2500MHz: WiFi/Bluetooth</td>
<td>2400-2500MHz: WiFi/Bluetooth</td>
</tr>
<tr>
<td>Band 8</td>
<td>790-830MHz 4G LTE Low</td>
<td>725-805MHz 4G LTE Low</td>
</tr>
<tr>
<td>Band 9</td>
<td>433MHz GPS L5, or 5GHz</td>
<td>433MHz GPS L5, or 5GHz</td>
</tr>
<tr>
<td>Band 10</td>
<td>GPS L2 1220-1280MHz or 868MHz</td>
<td>GPS L2 1220-1280MHz or 868MHz</td>
</tr>
</tbody>
</table>

Power supply: AC Charge (AC220V-DC12V) & Car Charge (DC12V)
Coverage Radius: (5-20) meters @-75dBm (still depends on the signal strength in given area).
Dimension: (width, height, length) 14.5x9.5x4.5 cm (does not include antennas)

◆ Install steps:

1. Please charge battery at least 5 hours before first-time use (overnight with unit OFF recommended).
2. Turn OFF power switch before charging. Charging indicator will light RED when charging the battery, and will turn to GREEN when finished.
3. Please install antennas and hand tighten only, according to the number indicators. Kindly refer to the picture below:
4. Turn ON the power switch and the Power LED will light GREEN and the LED of each band will turn ON.

5. When possible, we do not suggest using while charging. (The operational temperature may become too high, about 75 °C normally.) If absolutely necessary to use while charging we suggest only intermittent use, allowing the unit to cool between use periods.

Functional Introduction:

◆ Each band can be chosen for operation or can be disabled.

1. Find the dip switches on the side of the device as below left picture.

   The number indicators are corresponding to the number of the antennas.

2. Ten arrows toward OFF to ON (default), by dip switching ON → OFF, each band can be disabled.

3. The corresponding LED indicator will be turned OFF.
NOTE: For best practices – turn the unit OFF, then choose which channels you wish to select ON / OFF, then turn the unit back ON. Do not adjust the dip switches with the unit ON.

LED turns on which indicates operation.