

WTPL MPD01 Mobile Phone Detector with RF Signal Detector

For GSM phone / Smartphone / Wireless Bug / Wireless Camera

Made for general use, no need of professional electronic training or knowledge



1. General description of the system

This device has 2 antennas of **2 detector modules**, one module is special for 3G 2100 and another module is a wideband detector covering 50 MHz ~ 6.0 GHz, with improved cellphone detection ability to make this device as a **universal** cellphone detector.

The wideband detector can detect most of the wireless devices, so as **GSM phone**, **Smartphone (4G, 5G: 3300~3650MHz)**, **WiFi**, **Bluetooth** and **Wireless cameras**.

This detector has applied with fuzzy scanning technology to detect 2G / 3G / 4G / **5G: 3300~3650MHz** cellular phones. This detector can sure protect information being disclosed secretly.

This detector has sensitivity benchmark applicable to the world that is very helpful for user to set up the sensitivity adapting to the place of installation.

This detector can detect the standby / idle phone when it does registration with the cell site. The interval time and number of times of registration is different among different networks and cell phones .

2. Detailed description of the Hardware

No.	Item	Description
1	Antenna	2 antennas, one for 2G_4G_5G(3300~3650MHz) detection, another special for 3G 2100 detection.
2	Detector module	2 modules, one for 2G / 4G / 5G(3300~3650MHz) / WiFi / Bluetooth detection, another special for 3G 2100 detection.
3	Sensitivity tuner	2 tuners, one for 2G / 4G / 5G detection, another special for 3G 2100 detection.
4	LED indication	2 rows of LED indication, one for 2G / 4G / 5G detection, another special for 3G 2100 detection.
5	Rechargeable battery	7.2V DC, 800mA

● PROPER ANTENNA DIRECTION

Always keep the antenna in vertical for best detection.

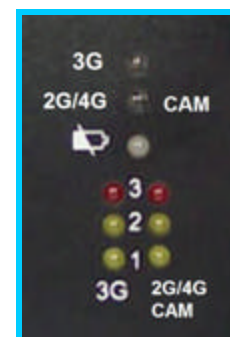


● DETECTING INDICATION

2G / 4G / 5G(3300~3650MHz) / CAM detecting indication

When detected 2G / 4G / 5G cell phone signal, the network indicator LED in upper side will blink in red. And the 3LED sensitive level indicator of 2G / 4G in right side will light up.

When detect WiFi, Bluetooth and wireless camera, this detector will issue the same indications as 2G / 4G.



3G detecting indication

When detected 3G 2100 cell phone signal, the network indicator LED in upper side will blink in red.

● FIND LOCATION OF SIGNAL SOURCE

When detect the cell phone radio wave, reduce the sensitivity level gradually to approach the signal source.

● BATTERY LOW WARNING

There is a battery low warning indication on the front side. When battery runs down, the battery low warning LED will light up in red. Please connect the battery charger to charge the battery.

3. Technical documentation on exploitation and configuration

● SENSITIVITY ADJUSTMENT

Setting the sensitivity level of 2G / 4G / 5G / CAM

1. Turn the sensitivity tuner to + (plus) side until the first yellow LED light up.
2. Turn the sensitivity tuner to - (minus) side to **let the yellow LED put out.**

Note: Over sensitive or too low sensitive setting should affect the detection ability.

Setting the sensitivity level of 3G(2100MHz):

Turn the sensitivity tuner to + (plus) side **at the maximum place.** If one or two LEDs (sensitive level indicator) light up, this is OK.

DETECTING NETWORKS and FREQUENCY RANGE

This device can detect most of cellphone networks and other wireless device as listed below.

1. GSM 850, GSM 900, GSM 1800, GSM 1900
2. CDMA 850, 3G 850, 3G 900, **3G 2100**
3. 4G 700, 4G 800, 4G 900, 4G 1800, 4G 2300, 4G 2600
4. **5G (Sub 6: 3300 ~ 3650MHz)**
5. Wireless camera, bug, Bluetooth, and WiFi during **50 MHz - 6.0 GHz**



WON'T INTERFERE WITH 2-WAY RADIO EASILY

This device can detect most of 2G / 3G / 4G / 5G cellphone communications. This device is special designed **insensitive with 2-way radio**. It won't be interfered with 2-way radio easily. This feature makes this device well suited to use in the places not allowed for cellphone communication and the security person communicate via 2-way radio.

Specially designed for easy and simple use, does not require complicated installation or any professional knowledge.

Specifications * Specification may change without prior notice.

Power	1. Built-in rechargeable battery 2. Switching power adaptor
Battery life	About 4 hours after full charge.
Detecting frequency band	1. 2G, 3G, 4G, 5G(3300~3650MHz) Cell networks 2. Wireless camera and bug: 50 MHz - 6.0 GHz
Dimension	L 150 x W 80 x T 30 mm
Weight	About 310g
Warning mode	1. LED for cellphone activity indication 2. Beep 3. Signal strength indication
Operation temperature	0 - 40 centigrade
Humidity	5% ~ 80%