
Operation Description

The product is a Wireless Charging Pad. The chipset for this product is CV90331. 12MHZ crystal vibration. This product uses an adapter for QC2.0 or QC3.0 .

When the adapter (quick charger 2.0 or 3.0) is connected to the Micro USB port of the product, the product begins to work, and the first time to detect the type that 5V/ 9V/12V of the adapter. After power supply began to work, search whether to put the charging device. Start charging after detecting the charging device that conforms to Qi

1. If the product is detected that the receiving device supports fast charging, it will enter the fast charging mode, meanwhile, the QC2.0/3.0 adapter output voltage is 9V or 12V.
2. if the receiver does not support fast charging, the product opens the common charging mode, the QC2.0/3.0 adapter output voltage is 5V.
3. When the product is charged, there will be white LED light on, it means that the product has entered the normal working state
4. FOD detect: When the center of the coil is placed Foreign Objects (metallic substances) the red LED of the product will flicker. And stop the energy transmission
5. over current protection: When the receiver has over current, the red LED lights of the product flicker and stop the transmission of energy。
6. Over voltage protection: When the input voltage exceeds 13V, the product stops working.。
7. When the receiving equipment on the product is removed, the product will enter the standby mode and all LED lights are extinguished.

Frequency range:	115–205kHz
Maximum output power:	15W
Modulation type:	ASK
Antenna Type	Coil Antenna
Power Supply:	DC 12V from adapter AC 120V/60Hz
Input:	5VDC/3A, 9VDC/2A, 12VDC/1.5A