WiFi Internet Radio operation descriptions

1) PPS FM Internet Radio is a device that through the IEEE802.11b / g wireless LAN to broadcast worldwide radios.

2) Functional features

a) Communicate with IEEE802.11b/g

b) FM Radio support RDS

c) **Control Buttons**:

WiFi / FM Switch
Back Button
Volume Control
Power Button
Hold Switch
LCD Display
Select Button
Control Wheel
Reset Button

d) 2W speaker;

e) Earphone Jack

3) Extend interfaces

USB charging cable wire, it provide the battery charge function

4) Air interface

The product use IEEE802.11b/g, it supports the data rate:

11b data rates: 11, 5.5, 2, 1 Mbps

11g data rates: 54, 48, 36, 24, 18, 9, 6 Mbps

Charge Management provides charge control, battery and power control circuit provides the power in the operation of the internet radio, MCU controls the operation of the device, while the CSR Radiopro module enables the internet radio to connect with wireless networks, so that the internet radio via a wireless network to download all web site of internet radio stations, and all the station Web site be stored in the storage media, therefore, next time when you use the internet radio, only need select the web site that be pre-stored in the data storage media, it can connect to the internet radio to listen to the radio stations. The audio signals received after be disposed by CSR Radiopro and be amplified via the audio amplifier, then through speakers or headphones to spread out and restore the sound.

The product operates in the license-free ISM band at 2.412-2.462 GHz. The IEEE802.11b/g divides the band into 11 channels (each 22 MHz wide), The PPS FM is a full-featured 802.11b/g WiFi single system device that includes support for high linear output power, IEEE 802.11i security; Support Modulation: 64QAM (54, 48Mbps), 16QAM (36, 24Mbps), QPSK (18, 12Mbps), BPSK (9, 6Mbps); CCK (11,5.5 Mbps), DQPSK (2 Mbps), DBPSK (1Mbps).