

Operational Description for VOLT- Pro Hi-Definition Wireless On-Ear Headphone

- This device is Bluetooth data transferring System
- The frequency is from 2.402GHz to 2.480GHz ,use internal antenna to work 10M distance for V4.0 + EDR
- The main chips is BC8645
- The USB interface of this device is used for charging, It can't used for data exchange with PC.
- the device designated with the following general information and technical specification as following:
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Main Chipset	BC8645
EUT Power supply	DC 3.7V
Antenna Type	PCB Antenna
Antenna Gain	1 dBi
Frequency Band	2402-2480MHz
Modulation type and data rate	V2.1 + EDR: GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps), 8DPSK(3Mbps) V 4.0: GFSK(1Mbps)
Channel Number	V 2.1 +EDR:79 channels V 4.0: 40 channels
Bluetooth Version	V4.0+EDR
Oscillating Frequency	26MHz

- (1)Once a key or multi keys of keyboard are pressed or released, the signal change will be detected by MCU.
- (2)The MCU converts these signals into HID data packet.
- (3)The MCU send HID data packet to Bluetooth Module via uart interface.
- (4)The BT module transmits the modulation signal on frequency of 2.4GHz using FHSS modulation.