

iBT840 Bluetooth LED light Speaker operation description

1. 18650 7.4V Battery Power;
2. Type C 5V charging;
3. Press the power button to Power ON, BT MCU Start to work (BT MCU 24M Hz crystals), Send out control signals (LED MCU) , On RGBW led ;
Mobile search "iHome iBT840" Bluetooth pairing name , BT MCU Connecting a Bluetooth Device , Play the music (The power on amplifier) , Push the speaker to make a sound.
Turn the volume up or down, turn the volume up and down
Short press the Play/Pause button to play/pause music
Long press the Play/Pause button and Bluetooth will enter the search state.
4. Press the power button to power off
5. MCU (BT8922B2 IC1) main function block includes power supply circuit, amplifier, , input / output pins, key press,XTAL(24MHz)

Data Rate:	1Mbps for GFSK modulation 2Mbps for $\pi/4$ -DQPSK modulation
Modulation:	GFSK, $\pi/4$ -DQPSK
Operating Frequency Range(s) :	2402-2480MHz
Number of Channels:	79 channels
Transmit Power Max:	4.14 dBm(0.002594W)
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58 dBi
Power supply:	DC 5V from USB, DC 7.4V from battery
Product SW/HW version:	HW: V0 SW: V0
Radio SW/HW version:	HW: V0 SW: V0
Temperature Range:	0°C ~ +55°C