KB37S_BT100 Operational Description

Features :

◆ A fully compliant Bluetooth system to v2.0 of the specification
   for data and voice communications

◆ BlueCore3-Multimedia External chip and 8Mbits of external flash

◆ Class 2 for wireless connection up to 10 meters

◆ BlueCore3-Multimedia internal stereo codec

◆ Built-in Bluetooth audio application firmware A2DP,AVRCP,HSP/HFP profiles

◆ Connect seven button that can be turned off or on depending on user preference

◆ Status LED light that can show current Bluetooth link status

Product Description :

The KB37S_BT100 is a Class 2 Bluetooth audio sending device using BlueCore3-Multimedia External Chipset from leaking Bluetooth chipset supplier Cambridge Silicon Radio.KB37S_BT100 supports for Wireless connection up to 10 meters. It provides a fully compliant Bluetooth system to v2.0 of the specification for data and voice communications.

The KB37S_BT100 supports A2DP,AVRCP,HSP/HFP profiles for streaming music and can connect with the Bluetooth specification v2.0,v1.2 and v1.1 device.

Specifications :

Chipset	Bluetooth® V2.0 Multimedia chip (BC3 MM Ext.)
Firmware (Profiles)	Built-in audio application firmware (A2DP,AVRCP,HSP/HFP)
Radio Frequency	2402 MHz ~ 2480 MHz
Modulation Method	**Basic Data Rate** --- GFSK,
Hopping Channel	79 channels, 1 MHz channel space, 1600 hops/sec
Maximum Data Rate	Up to 723.2kbps asymmetric
Transmitter Power	Class 2 (max to +4dBm)
Transmission Range	Up to 10 meters
Receiving Sensitivity	–80 dBm (Per 1%)
Audio S/N	>80dB
Audio THD	<1%
Audio Output Power	>20mWrms
User Interfaces	USB charger in,3.5mm Jack for stereo plug,Seven buttom,Two LED
Charger Voltage	DC 5 V
Power Supply	250mAh Li-Polymer battery
Audio Playback	7 hours
Voice Communication	10 hours

Standby Time	200 hours
Charge Time	3.5 hours
Operating Temperature	-10°C to +50°C
Operating Humidity	0~95%
Dimension	66.7*26.6*22(mm)
Weight	13.5g