

Bluetooth HandsFree(BHF-100) EUT Operation Description

1. Description

BHF-100 is designed for safety and comfort. It is a solution whereby the Bluetooth Hands-free Car kit recognizes the mobile phone and connects it without a cable or phone holder, enabling the user to control calls without touching the phone and keeping hands free for driving. Noise and acoustic echo are suppressed by the dedicated digital signal processor (DSP).

BHF-100 isn't need to wearing and so very comfortable and easier than other wearing headset. There are two microphone, two LED and loud speaker and then it can use without difficult to wear,dangerous to wear while driving,pain on ear area because of being worn for a long time. Noise and acoustic echo are canceling with two microphone from loud speaker, loud speaker and two LED indicate several state in BHF-100, i.e. Making a call, Incoming a call, Ending a call, Low Battery, etc.,

BHF-100 use rechargeable Li-ion Battery,gives you up to 10hours of continuous talk time and 300hours of stand-by time with full charge.

2. Feature

1. Bluetooth spec: class2, Max +4dBm Tx output Power
2. Full Duplex DSP
3. Noise Suppression & Echo cancellation
4. Charging Current : 500 mA
5. Li-ion 1150mAh
6. Voltage: DC 3.3V regulated
7. Charging Time : 2 ~ 2.5 Hour
8. StandBy: 300 hours
9. Talking Time: 10 hours
10. Sensitivity (RF/MIC): -80 dBm / -42dB
11. Output Power: Max 2mW
12. Operating Range: Max.10M (30 feet)
13. Weight: 100g
14. Volume Control: 10 Steps
15. Power saving in Stand-by Mode
16. Bluetooth v1.2 or higher compliant

3. Functional Description

Basic Functions

1. Making a call
2. Last number redial
3. Answering a call
4. Ending a call
5. Transferring the call to the Bluetooth Handsfree
6. Adjusting the volume with mute feature

Additional Functions

1. Making a voice dial call
2. Call rejection
3. Call transfer (Bluetooth handsfree to Bluetooth phone)

4. General EUT Information

Bluetooth HandsFree BHF-100 Information	
Characteristic	Specification
Bluetooth Spec	Bluetooth v1.2 or higher compliant
Class	Class2
FCC Classification	FHSS Sequence Spread Spectrum
Modulation	GFSK
Frequency Range	2402 ~ 2480MHz
Channels	79
Channel Separation	1Mz
Output Power	0 ~ 2.5mW
Sensitivity	-80dBm
Antenna	PCB Pattern Antenna
Microphone	-42dB omni-Directional
Speaker	Max 2W
Operating Range	Max 10meters(30feets)
Talk Time	continuos 10hours
Stand-by Time	300hours
Charging Time	2 ~ 2.5hours
Battery	Li-ion 1150mAh, 3.7V nominal
Charger	DC-DC Adaptor, Input: 12 ~ 24VDC / Output: 4.2VDC