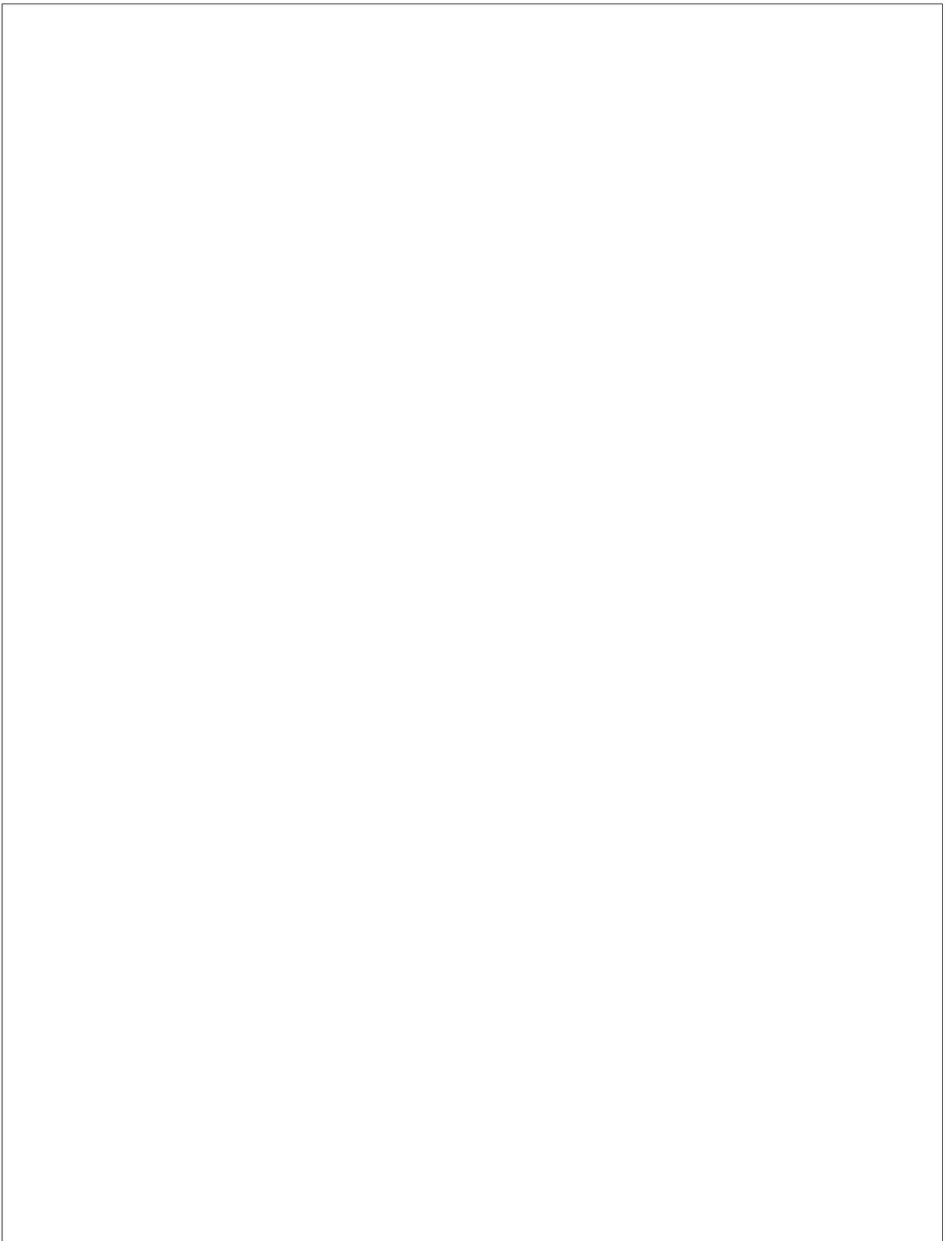


Bluetooth Handsfree Speaker

User Manual

BT-1238-TTS





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1. PRODUCT SUMMARY

1.1 Product Introduction

This specification defines the unique product features and requirements of the BT-1238-TTS portable Bluetooth Handsfree Speaker. It can be connected to Bluetooth enabled devices such as a mobile phone and can also be used with a PC via USB connection.

With the unique TTS, a voice guild to let the user know the connection condition and incoming caller number.

1.2 Technical Features

- Wireless Bluetooth™ technology.
- Built in Bluetooth™ module to support a variety of Bluetooth™ compatible mobile phones.
- Can be used as a VoIP phone or used as computer speakers.
- DSP full duplex hands free conversation with digital echo cancellation and background noise reduction for superior sound and voice quality.
- 30ft. range of operation.
- Talk time: 8 hours max
- Standby time: up to 150 hours max
- Auto Shut-off feature when disconnected for longer than 30 minutes.

1.3 Technical Specs:

Standard Bluetooth:	1.2 specification
Frequency band:	2.4G Hz ~ 2.4835G Hz ISM band
Working distance:	30ft.
Output power:	0dBm (class 2)
Power consumption:	10 mA ~ 20mA (Standby)
Output consumption:	100 mA ~ 350mA (Working)
Total output power:	2 W
Charge time:	4 Hour

1.4 Package Contents

1. Bluetooth Handsfree Speaker (Fig. 1)
 - Battery: Li-ion battery pack with built-in protection circuit, rating 3.7V 850Ah
2. Car Charger Adapter (Fig. 2)
 - Input: DC 12-24V
 - Output: DC 5.0 +/- 5% 500mA max
3. User's Manual (Fig. 3)
4. USB Cable (Fig. 4)
5. Sun Visor Clip



(Fig .1)



(Fig .2)



(Fig.3)



(Fig.4)

1.5 REQUIRED PRODUCT APPROVALS

This product shall be tested for compliance with all applicable regulatory requirements listed below. Testing shall be performed, and reports generated by a certified test facility.

1.5.1 Bluetooth (BQB)

The product shall be designed to have the BQB (Bluetooth Qualification Body) approval.

1.5.2 FCC

This product shall be designed and manufactured so that it must be operated in accordance with Parts 15 of FCC Rules and Regulations. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.

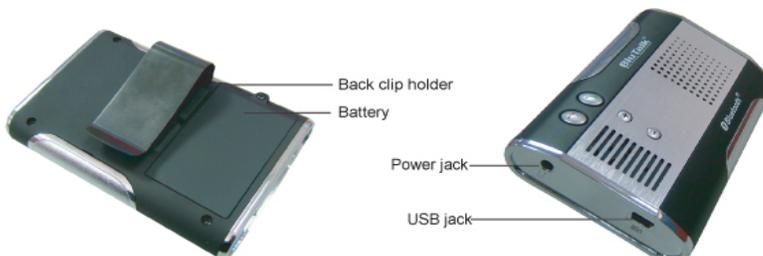
1.5.3 CE

The unit shall be designed and manufactured so that it may be operated in with UL 60950.

1.5.4 RoHS

The unit shall be designed and manufactured so that it may be operated in Accordance with RoHS. Manufacturers need to understand the requirements of the RoHS Directive to ensure that their products and their components comply.

2. USER INTERFACE AND OPERATION



2.1 CONTROL BUTTONS

Function	User Entry
Answer a call	During an incoming call, press  key to answer the phone.
Ending a call	Press  key to hang up the phone.
Redial a call	Press  key for 5 sec.
Voice dialing	Press  key. (To use this feature please check if handset supports voice dialing.)
Enter pairing mode	When Bluetooth is disconnected, press  key for 3 sec. The LED will begin to flash rapidly.
To disconnect Bluetooth	Press  key for 3 sec to switch to handset.
To reconnect to Bluetooth device during a call.	During the phone call, press  key for 3 Sec.
Powering Off	Disconnect the Bluetooth, press  key for 5 sec. After the tone, release the key.
Powering On	Press  key for 3 sec. After the tone, release the key.
Volume	Press + or - key to adjust volume.

2.2 LED INDICATOR

Charging	RED LED ON
Fully Charged	RED LED OFF
Pairing Mode	BLUE LED FLASH RAPIDLY
No Bluetooth Connected	BLUE LED FLASH SLOWLY
Bluetooth Connected	BLUE LED STEADY ON

2.3 CHARGING THE UNIT

Before using the BT-1238-TTS for the first time, charge the unit for at least 6 hours.

1. Plug in the mini USB into the port located at the side of the unit
2. Plug the other end into the USB port located on the PC/Notebook or the car charger adaptor. (If plugged it into the adaptor then plug the adaptor into the appropriate port in the car.)
3. The red LED will then turn on as the battery begins to charge. When the unit is completely charged, the red LED will turn off automatically.

2.4 TALK TO SPEAK (TTS) System

Talk to speak (TTS) system converts normal language text into speech.

1. When BT-1238-TTS is in the pairing mode, the unit will speak "Start Pairing".
2. When you're done pairing, the unit will speak "Pairing Stop".
3. When the mobile phone connects to the BT-1238-TTS, the unit will speak "Connected".

4. When the mobile phone is disconnected to the BT-1238-TTS, the unit will speak "Disconnected".
5. When a call comes in while paired, the unit will speak the caller's number.

2.5 PAIRING

1. Turn the unit on
2. Press and hold the  button for 3 seconds to enter into pairing mode, the unit will speak "Start Pairing" and the blue LED should blink rapidly.
3. Follow the mobile phone's instruction guide on how to pair with Bluetooth.
4. Search for the device called BT-1238-TTS and enter the PIN "1234".
5. Once pairing as succeeded the unit will speak "Pairing Stop", and the blue LED will flash slowly.
6. Connect the mobile phone and BT-1238-TTS and the unit will speak "Connected". Now the BT-1238-TTS is ready to manage calls.

To cancel pairing while in pairing mode, press the  again to exit from pairing.

2.6 USB CONNECTION

When the USB is inserted to the computer, the device will act as a computer speaker and microphone. Note:

- a) When it is connected to the computer, the volume will be controlled by the computer. Volume buttons on the BT-1238-TTS will be disabled.
- b) While using USB and Bluetooth at the same time, the Bluetooth has priority over the USB connection. After the Bluetooth conversation has ended, the USB connection will automatically be restored.

2.7 AUTO SHUTDOWN

When not connected with the Bluetooth for longer than 30 minutes, the device will automatically shut down.

2.8 SUN VISOR CLIP

To attach to the car visor, attach the sun visor clip to the back of the BT-1238-TTS. Then mount unit onto the sun visor in the vehicle with the speaker facing down.

3. ELECTRICAL SPECIFICATIONS

3.1 SPEAKERPHONE PERFORMANCE

While in speakerphone mode, the unit shall meet all performance requirements.

3.1.1 Nominal Output Level

3.1.2 Distortion

With any level, up to and including 94dB SPL, there shall be no more than 5% Total Harmonic

Distortion (THD) from 300Hz to 4000Hz

3.2 CURRENT CONSUMPTION

Standby mode (paired): 10 to 20mA

Talk mode: 100 to 350mA

Talk time: 8 hours

Standby time: 150 hours

Initial Charge: 6 Hours

3.3 RF PARAMETER

Bluetooth Standard: 1.2 specification

Frequency: 2.4GHz to 2.4835GHz, ISM band

Transmit Power: 0dBm (Class II)

Range: around 10m

4. Safety and General Information:

- Please use of standard accessories and parts approved or provided by manufacturer. If used improperly damage to the device may occur.
- If the device is not in use for a long period of time, please remove the battery from the unit.
- Please do not expose the device to water or attempt to disassemble the device. If exposed or disassembled, user may be at risk to from and electric short, warranty for the unit will also be void.
- Please handle this product with care, without proper care the device may not function properly.
- Please do not use a product in the aircraft and in the hospital.
- Temperature may rise when charging; this is a normal when charging.
- Please do not expose the device under the sunlight directly.
- Please use a product in a dry environment with proper ventilation.
- Please use a neutral sanitizer while cleaning the surface.