

Technical description of the BTSUPER2P Handsfree kit

The BTSUPER2P unit is a Bluetooth™ compatible Class 2 device, which receives and transmits in the frequency range of 2.402-2.480GHz. It is a spread spectrum (frequency hopping) headset; 79 channels, 1MHz Bandwidth, frequency hops at 1600 hops/second per the Bluetooth standard. The unit communicates with other Bluetooth devices using a time division duplex scheme that alternates transmission and receive functions, and thus uses the same antenna to transmit and receive at different times.

The unit contains Philips single chip radio with 3V and 1.8V voltage regulation circuit, battery protection and charging circuit. A common antenna is used to send and receive RF signals.

The Noise and echo canceling DSP is used to achieve noise and echo reduction on the received and transmitted audio signal.

Battery charging is done with an over-charge and protection circuit to charge a rechargeable battery.

The handsfree kit can communicate with other Bluetooth™ products that support the Headset and Handsfree Profile. Refer to the users manual for basic functions of this unit.



BTSUPER2P Specification:

- Full Duplex.
- Bluetooth version 1.2
- Support handsfree and headset profile.
- Compatible to any Bluetooth cellphone.
- Talk Time: 15 hrs.
- Standby Time: up to 600 hrs.
- Built-in noise canceling microphone.
- Adjustable volume control.
- Internal Digital Signal Processor DSP for noise cancellation and echo suppression.
- Light indicators: Power, Pairing, Charging, Low Battery, Full-Charge.
- Charging time: 1 1/2 hours
- Strong 50mm speaker.
- ON-OFF Switch.
- Size: 150 x 60 x 25mm.
- Weight : 130g.