



HAKUTO Taiwan Ltd.

HAKUTO Taiwan Ltd

Bluetooth Module User ' s Manual



Corporate name : HAKUTO Taiwan Ltd
Model : BL-Docking-03
Version : V02



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Notice: The picture in this manual just for reference only, we won't bear any legal responsibility

Product brief

The Bluetooth module developed by HAKUTO Taiwan Ltd adopts CSR BC 352 chip, supports stereo, matches current Bluetooth stereo headset, adapter, handset etc.

Design the module according with the Bluetooth Classs2, the tested hollowness distance is 10m.

Application filed

(1) I-POD Sounding



IPOD Sounding

Product feature

Bluetooth characteristic: match with current Bluetooth device and mobile telephone

The transmission distance in hollowness area: more than or equal to 10m

Signal to noise ratio: >86dB

Degree of distortion: <1.3%

Degree of separation: >65dB

Bluetooth mobile telephone

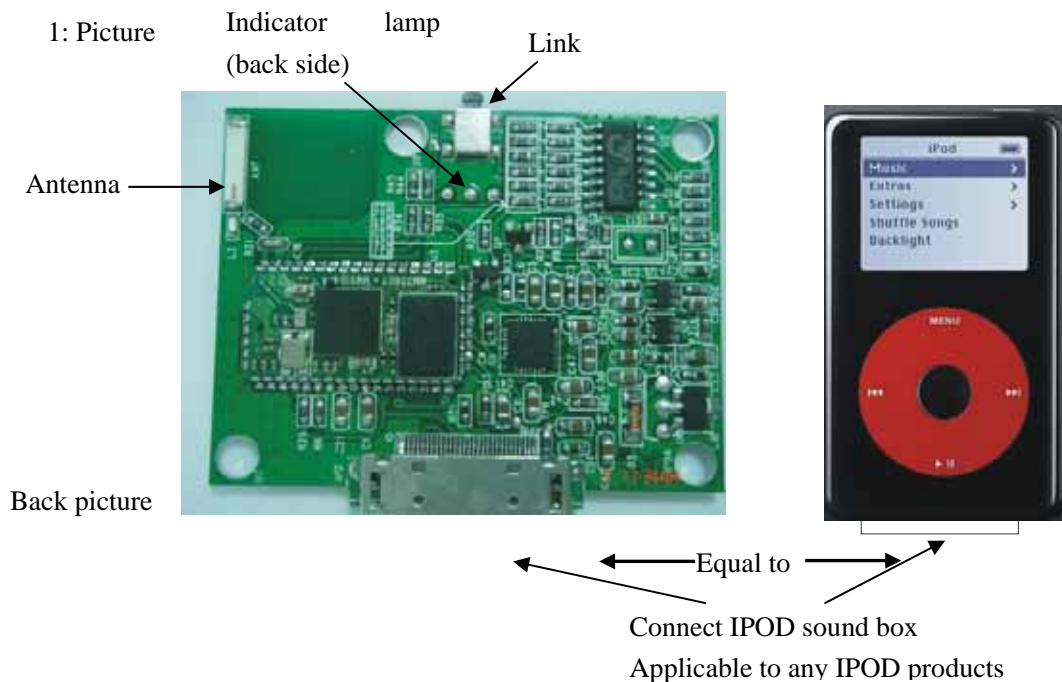


Electrical performances

RF part	Description
Frequency range	2.4020GHZ~~2.480GHZ
Max RF transmit power	=4dBm, Class2
Modulation	FHSS
Adjacent channel selectivity c/l=f0-1Mhz	-3dB
Security	Authntication and encryption
Max output power(each channel)	950mV
SNR(Signal to noise ratio)	>86dB
Output impedance	75dB (f=1KHz)
Channel/channel output separation	
Frequency response	20Hz~~20KHz +0.5dB~~-3dB
Supply power	DC +12V
Working current	< 90mA
Working Temperature	-20~~+45 Centigrade



Operating instruction



2. Method of operation

A : To plug the Bluetooth for IPOD to the sound box with IPOD

B: The module is automatically open, the blue indicator light is on and meanwhile the module automatically connects the equipment matched last time.

C: If other blue tooth equipments need to be connected, the match key should be pushed. At this time the red and blue indicator lights flicker alternately and are automatically matched with the new equipments.

(Hint: some equipment gives the hint of the input match password 0000)

D: The indicator light of the successfully matched Bluetooth shines

E: To start the remote controller of the power amplifier or the music player of the cell phone can make it.

F. It can be controlled by pushing the keys of Last Song\Next Song\Play\Pause\Stop on the remote controller.



IPOD sound box





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 operation.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.