

PWBT-FDBT OWNER'S MANUAL

Bluetooth Feature:

- 1、CMOS single-chip fully-integrated radio and baseband。
- 2、Compliant with Bluetooth V5.0+BR+EDR specification。
- 3、Bluetooth Piconet and Scatternet support。
- 4、Meet class2 and class3 transmitting power requirement。
- 5、Support GFSK and $\pi/4$ DQPSK all paket types。
- 6、Provides $4\pm 1\text{dBm}$ EIRP transmitting power。
- 7、receiver with -89dBm sensitivity。
- 8、Support a2dp\avctp\avdtp\avrcp\hfp\spp\smp\att\gap\gatt\rfcomm\sdp\l2cap profile。

High performance 32-bit RISC CPU

RISC 32-bit CPU

DC-160MHz operation

Support DSP instructions

64 Vectored interrupts

4 Levels interrupt priority

Power Supply

DC 3.3V

Loading current

150mA

Temperature

Operating temperature: -20°C to +70°C

Storage temperature: -65°C to +150°C

FCC & IC application:

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Label for host

Host labeling requirement: Contains FCC ID: 2ABXEHSE2012A

Host labeling requirement: Contains IC: 11809A-HSE2012A

The requirement for KDB 996369 D03:

1 List of applicable FCC rules

FCC Part 15. 247.

2 Summarize the specific operational use conditions

None

3 Limited module procedures

The module is a single module, so this requirement is not applicable to the product.

4 Trace antenna designs

The module uses the permanent PCB antenna, so this requirement is not applicable to the product.

5 RF exposure considerations

The host device manufacturer can use the module directly without RF exposure consideration for the module satisfies SAR at 5mm.

6 Antennas

For Bluetooth: PCB antenna, 0.5dBi max

7 Label and compliance information

If this certified module is installed inside the host device, then the outside of the host must be labeled with “Contains FCC ID: 2ABXEHSE2012A and IC: 11809A-HSE2012A”.

8 Information on test modes and additional testing requirements

The host manufacturer can use the software FCCAssist 2.4 to make the Bluetooth module transmit continuously.

9 Additional testing, Part 15 Subpart B disclaimer

The module only complies with the FCC Part 15.247. If the module is installed in the host device, the host manufacturer is responsible for the compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. For example, if the host manufacturer markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuitry), then the host manufacturer shall provide a notice stating that the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.