

Bluetooth module BTAUD1 USES instructions.

Product Name: Bluetooth Module

Main Model: BTAUD1

1. Product Overview:

This Bluetooth audio board is used to carry the Bluetooth audio module f-3200. The main functions include:

1. Provide voltage and mute signals;
2. The auxiliary audio signal is provided to the Bluetooth audio module to detect whether the auxiliary audio interface is inserted and the detection signal is provided to the module;
3. The audio output of the Bluetooth audio module is converted into the stereo signal of the headset with the chip (TPA6132A2).
4. Provide key function for Bluetooth audio module;
5. Provide three-color LED circuit to display its state;
6. Provide external antenna for Bluetooth audio module;

2. Application Fields

Bluetooth audio

- Bluetooth Stereo Headset
Bluetooth speakerphone.
Bluetooth wireless transmission audio

3. Basic Characteristics

Bluetooth V 4.2 Specification Support

AVRCP V1.6

A2DP V 1.6

HSP V 1.2

DI V 1.3

True Wireless Stereo(tws)

Support multi-point connection (Multipoint Support For A2DP)

Encoding support aptX,aptX Low Latency,SBC,AAC(apt-X Lossless coding CSRA64215support)

Built-in 10 frequency point EQ adjustment.

Built-in 6 segment 5 frequency point fixed sound effects.

Melod Expansion 3D sound support.

Audio dynamic range compression support.

- multi-language support

4. Performance Parameter:

Main Model	BTAUD1
Bluetooth Specification	Bluetooth V 4.2
Modulation System	n/4 DQPSK.8DPSK
Service Voltage	3.3V –3.7V

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Support Bluetooth Protocol	HFPV1.6,HSP V1.2 A2DPV1.3,AVRCPV1.6,DIV1.3
Working Current	≤150 mA
Standby Current	50uA
Temperature Range	-40C° --+80C°

FCC/IC Statements

(OEM) Integrator has to assure compliance of the entire end-product incl. the integrated RF Module. For 15 B (§15.107 and if applicable §15.109) compliance, the host manufacturer is required to show compliance with 15 while the module is installed and operating.

Furthermore the module should be transmitting and the evaluation should confirm that the module's intentional emissions (15C) are compliant (fundamental / out-of-band). Finally the integrator has to apply the appropriate equipment authorization (e.g. Verification) for the new host device per definition in §15.101.

Integrator is reminded to assure that these installation instructions will not be made available to the end-user of the final host device.

The final host device, into which this RF Module is integrated" has to be labeled with an auxiliary label stating the FCC ID of the RF Module, such as "Contains FCC ID: OMCBTAUD1

"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."

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

the Integrator will be responsible to satisfy SAR/ RF Exposure requirements, when the module integrated into the host device.

The final host device, into which this RF Module is integrated" has to be labeled with an auxiliary label stating the IC of the RF Module, such as" Contains transmitter module IC: 3673A-BTAUD1

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio

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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.

Module statement

The single-modular transmitter is a self-contained, physically delineated, component for which compliance can be demonstrated independent of the host operating conditions, and which complies with all eight requirements of § 15.212(a)(1) as summarized below.

- 1) The radio elements have the radio frequency circuitry shielded.
- 2) The module has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal.
- 3) The module contains power supply regulation on the module.
- 4) The module contains a permanently attached antenna.
- 5) The module demonstrates compliance in a stand-alone configuration.
- 6) The module is labeled with its permanently affixed FCC ID label.
- 7) The module complies with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.
- 8) The module complies with RF exposure requirements.

NOTE: 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

This equipment could not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with the FCC multi-transmitter product procedures.