

JVCKENWOOD

MODEL: J7C-0037
Bluetooth Module

User Guide

■ DESCRIPTION

J7C-0037 is a Bluetooth and GPS module.

■ FEATURES

- ❑ Bluetooth specification version : 3.0
- ❑ Output power : Max. +4dBm (Class2)
- ❑ Transmission frequency : 2402 to 2480 MHz
- ❑ Antenna : Integrated printed antenna
- ❑ GPS
- ❑ Host interface : UART
- ❑ Digital audio interface : PCM
- ❑ Built-in oscillator : 19.2MHz, 32.768kHz
- ❑ Temperature rang : -30 to +60 degrees
- ❑ Power supply voltage : DC 5.4 V
- ❑ Dimension : 40 x 30 x 8 mm

■ TERMINAL DESCRIPTION

Pin No.	Name	I/O	Description
1	GPS_PWR	O	GPS antenna voltage monitoring
2	GPS_ALM	O	GPS antenna short detect
3	GND	-	Ground
4	GND	-	Ground
5	GPS_ANT_SW	I	GPS antenna power control
6	GPS_PA_EN	I	GPS power amplifier control
7	/BT_SHUTDOWN	I	Bluetooth device shutdown control
8	WCLK	I	Synchronous data sync
9	BCLK	I	Synchronous data clock
10	BT_AUD_DO	O	Synchronous data output
11	BT_AUD_DI	I	Synchronous data input
12	CTS	I	UART clear-to-send input
13	RTS	O	UART ready-to-send output
14	TXD	O	UART data output
15	RXD	I	UART data input
16	BT_SW	I	Bluetooth power supply control
17	GND	-	Ground
18	GND	-	Ground
19	54M	I	DC power input (5.4V)
20	54M	I	DC power input (5.4V)

■ FCC / IC LABEL INSTRUCTIONS

The outside of final products that contains this module device must display a label referring to the enclosed module. This exterior label can use wording such as the following:

“Contains Transmitter Module FCC ID: K44479250”

or **“Contains FCC ID: K44479250”**

Any similar wording that expresses the same meaning may be used.

If the final product is to be sold in Canada, then this exterior label should use wording such as the following:

“Contains Transmitter Module IC: 282F-479250”

or **“Contains IC: 282F-479250”**

One or more of the following statements may be applicable to this equipment:

FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved by the party responsible/ JVCKENWOOD. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

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 generate 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 the 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.

RF EXPOSURE INFORMATION FOR BLUETOOTH

This equipment complies with FCC/IC radiation exposure limits and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules.

This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption rate (SAR).

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

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.