

User's Manual

Version

BTD-001: Bluetooth USB

*Bluetooth module
by Taiyo Yuden,*



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Version 1.0

BTD-001: Bluetooth USB Dongle

Bluetooth Module by Taiyo Yuden

*Stonestreet
One*

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Compliance Statement (Part 15.19)

This device complies with Part 15 of the FCC Rules and with the RSS-210 of Industry Canada.

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.

Warning (Part 15.21)

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

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1. Introduction

The Bluetooth Communication Platform by Stonestreet One is a hardware platform that was designed to be a cost effective means to utilize Bluetooth technology. Due to the nature and simplicity of this product, it can be detached from one system and connected to a new system in a manner of minutes. It is designed around an integrated Bluetooth Module developed by Taiyo Yuden, which is based on the Silicon Wave chip set. It provides all of the necessary hardware to support developers as well as end user. The Taiyo Yuden module incorporated on the board was developed to comply with the Bluetooth Specification version 1.1.

The hardware supports a USB connection that is used to exchange digital data between an external PC and the Bluetooth device. The USB interface provides direct access to the Host Controller Interface (HCI) of the Bluetooth Module. No external power is required. The hardware obtains its power from the USB connection.

2. Communication Platform

Description

The Bluetooth Communication Platform by Stonestreet One is designed to allow connectivity of Bluetooth enabled electronic devices through Taiyo Yuden's EYSF2SSXX and EYSF1SSXX Bluetooth Modules. The hardware is self-contained in translucent enclosure to protect the electronics from exposure. Due to the design of the product, access to the internal electronics is not required.

3. Power Supply

Power for the dongle is obtained from the USB interface. No external power is required.

4. HCI Command Interface

Communication with the Bluetooth HCI can be performed via the USB interface.

5. Specifications

Radio

Taiyo Yuden Bluetooth module
EYSF2SSXX,
Nominal Transmit 0dBm-4dBm with
included antenna

Antenna & Connector

Snap-in 2.4GHz antenna mounted on PCB

Ports

- Single USB type B Male connector

Mechanical

1.75 inches (44.5 mm) x 3 inches
(76.2 mm) x 1 inch (25.4 mm)

Weight

Approximately 1.5 ounces

Notes

Declaration of Conformity

According to ISO/IEC Guide 22 and EN45014

Manufacturer's Name: Stonestreet One
Manufacturer's Address: 322 West Main Street
Louisville, KY 40202

Declares that the product

Product Name: USB Bluetooth Dongle
Model Number: BTD-001-L

Conforms to the following Specifications:

FCC Title 47 CFR, Part 15 Class B²⁾ / ICES-003, Issue 2 / VCCI-2¹⁾

Supplementary Information:

The product herewith complies with the requirements of the following Directives and carries the CE-marking accordingly:

the EMC directive 89/336/EEC

the RTTE directive 1999/5/EC

This product was tested in a typical configuration with a generic computer system.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

- (1) this device may not cause harmful interference
- (2) this device must accept any interference received, including interference that may cause undesirable operation.

For Compliance Information Only, contact:

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Part No. 82-00011-002