

T411 Operating Instructions

Wireless game controller (Bluetooth)

Model:T411

FCC ID: 2A4LP-T411

Manufacturer: Dongguan Together Electronic CO.,LTD

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Guangdong Province

1. Overview

Bluetooth module MP333 base on 2.1+EDR Core Specification Version, establish a bidirectional data transfer channel through UART interface between Game consoles and client's MCU. According to the content of commands list, Client's MCU may send the corresponding commands to set the Bluetooth module into different condition, or send or receive data on GATT layer, Bluetooth module's status also can be read through commands.

2. Key components

Y1: 12MHzCrystal oscillator, provide clock source for MP01010, used to make sure the system works properly.

U3: MP01010 Bluetooth IC, main controller.

3. Work principle

1) RF part circuit

The Rf transceiver circuit consists of antenna equipment.

2) Receive mode

By antenna and wireless signal transmission to the bluetooth IC, bluetooth IC processing received signal, through the UART sent to the microcontroller.

3) Transmit mode

Module after receiving data from the client MCU through internal baseband processing, spread by the antenna into the air.

4. Performance parameters

Voltage range: 3.3v~4.3v

Bluetooth specification: BT2.1 +EDR

Maximum transmit power:-5.48dBm

Antenna gain: 0dBi

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