BT-410 Dongle (MASTER)

Device Image

[Photo : BT-410 Dongle]

Device Description

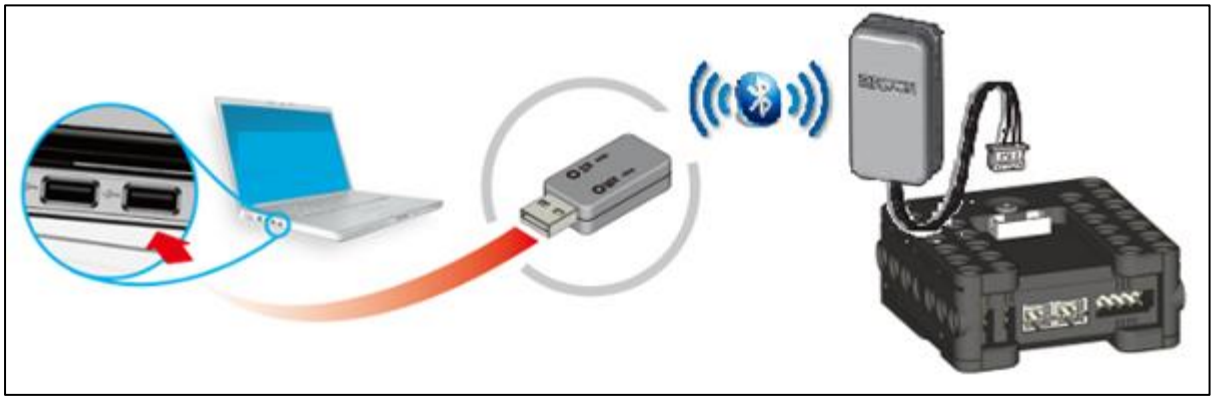
[BT-410 Dongle] has USB 2.0 interface and Bluetooth 4.0 Low Energy Standard communication interface (MASTER). This device converts these two communication interfaces.

Therefore, you can plug [BT-410 Dongle] to [PC] and pair it to a [BT-410 SLAVE Module], then your [PC] and [BT-410 SLAVE Module] can exchange data.

- Wireless Communication modules CAN pair with BT-410 Dongle:
  - BT-410 SLAVE Module
- Wireless Communication modules CAN pair with BT-410 Dongle:
  - BT-410 MASTER Module
  - BT-210 MASTER Module
  - BT-210 SLAVE Module
  - BT-100/110A

- ZIG-100/110A

Example of application



Missions can achieved by BT-410 Dongle and BT-410 SLAVE Module

	FW recovery Manager 2.0	FW update Manager 2.0	Entry	Scratch	Task 2.0 download	Motion 2.0 download
CM-150	O	O	-	-	O	-
CM-200	O	O	-	-	O	O
OpenCM7.0	O	O	O	O	O	-
CM-530	O	O	-	-	O	O
CarBot	-	-	O	O	-	-

Communication Modes

BT-410 Dongle can achieve reliable 1:1 communication.

[1:1 Communication]

- Plug it to a powered usb port of PC, then the blue LED starts to blink. After paired to BT-410 SLAVE Module, the blue LED stays ON.
- Auto-Pairing: When the blue LED of BT-410 Dongle blinks, put a BT-410 SLAVE Module close to Dongle(less than 10cm), then these two devices will pair automatically. After this operation, those two can find and communicate with each other through further distance.

H/W Specification

- Weight : 7.5g
- Dimensions : 50.5mm x 20.0mm x 10.5mm
- Bluetooth specification : Bluetooth Specification 4.0 Low Energy Support
- Communication range : 10m
- Spectrum band : 2.4 GHz ISM Band
- Bandwidth : MAX 128kbps
- Default baudrate : 57600bps
- Voltage range : 4.5V ~ 5.5V
- Current consumption : 25mA (Max)
- Temperature range : -0℃ ~ 40℃
- Baudrate range : 1,200bps - 1,000,000bps
- Antenna type : Chip Antenna
- USB Interface : USB 2.0 Full Speed
- Sensitivity : -81dBm (Typical)
- Tx power : -6~4dBm(Class 2)

FCC Information

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions :

(1) This Device may not cause harmful interface, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment 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 correct the interference by one or more of the following measures:

1.1. Reorient or relocate the receiving antenna.
1.2. Increase the separation between the equipment and receiver.
1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

"CAUTION : Exposure to Radio Frequency Radiation.
Antenna shall be mounted in such a manner to minimize the potential for human contact during normal operation. The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.