

# BTD-2N4-5 Dongle Specification



## <Product Descriptions>

- The dongle fits for TH1n multi-pins radio.
- The dongle is compatible with many Bluetooth headsets on the aftermarket.
- Just one-time pairing with wireless headset/accessory

## <Specification>

Type: Bluetooth Dongle for Portable Radio

Temp:  $-20^{\circ}\text{C}\pm 2^{\circ}\text{C}$  ~  $50^{\circ}\text{C}\pm 2^{\circ}\text{C}$

Approx. Weight: 30g

- Fully Qualified Bluetooth v5.0.
- Support AES-128 and ECC-256
- Echo cancellation, noise reduction, also extended features.
- High-Quality DAC, Qualcomm CVC built-in.
- 80MHz RISC MCU and 80MIPS Kalimba DSP.
- No battery, no need charging.
- RoHS compliant.
- HSP / HFP / BLE profile support.
- PTT function: built-in.
- Talking Range: Bluetooth class 2, 10 meters.
- Display LED: Blue
- TX Current: 16 mA (Average).
- Talk time based on radio.



## Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

Please keep product 20cm away from your body or bystander during the radio operation. The typical handheld two-way radios were certified under mobile usage condition (i.e. keep 20cm away from the user body) and use of such radio closer than 20cm may exceed the US RF exposure limit and shall be avoided.

# BTD-XXX-5 (dongle) User Manual

## <Procedure for Pairing Bluetooth headset device>

(Note: The Bluetooth-PTT needs to switch off before performing the following steps if it has been connected to the dongle)

1. Switch the dongle power on while pressing and holding the PTT button at the same time for about 3 seconds. It will enter the pairing mode for the Bluetooth headset.

The blue LED will flash twice per second.

2. Power on the Bluetooth headset and enter the pairing mode.

(Please check the user manual of the Bluetooth headset)

Then the Bluetooth headset will be paired and connected with the dongle automatically. And the blue LED on the dongle will flash once every 4 seconds.

## <Procedure for Pairing Bluetooth-PTT device to dongle>

(Note: The Bluetooth headset needs to switch off before performing the following steps if it has been connected to the dongle)

1. Power of Bluetooth headset first. Switch dongle power on while pressing and holding the PTT button at the same time for about 3 seconds. It will enter the pairing mode.

The blue LED will flash twice per second.

2. Then short press the PTT button on dongle to enter the BLE pairing mode for the Bluetooth-PTT.

The blue LED will flash 3 times per second.

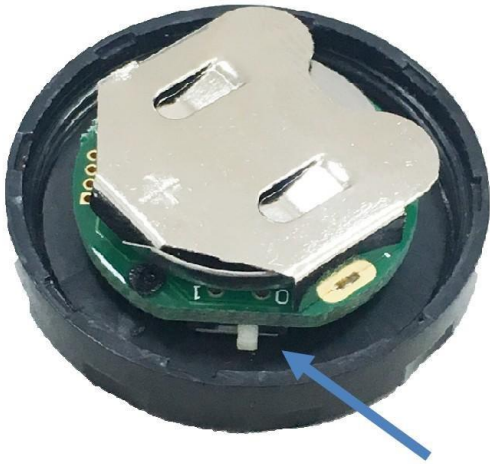
(Note: Switch off the original Bluetooth-PTT device if you are pairing with a new one.)

3. Power on the Bluetooth-PTT, and it will be paired and connected with the dongle automatically.

The blue LED on the dongle will flash once every 4 seconds.

Note: When you press the dongle PTT button. If the LED of dongle is not flash 3 times per second, go back to step 1. And make sure the Bluetooth headset is power OFF.

After Bluetooth headset paired and Bluetooth PTT button paired, it's ready to go.



Slide the switch from 0 to 1

PS: Only BLE-PTT linked it will not work until BT headset linked.