

WN3054LD0T Product Specification

1.1 Electrical parameters

Product model	WN3054LDOT
Master chip solution	IN100
Bluetooth antenna category	PCB Antenna
Broadcasting technology	BLE
Sensor	None
Power amplifier chip (PA)	BHWM253
Crystal oscillator	32.768Khz , 26Mhz
NFC	None
Button	A reset button
Buzzer	None
LED	None
Battery	CR2032 3V lithium coin cell
Storage Environment	25±5°C , 65±20%RH

1.2 Product function

Bluetooth radio	The device will broadcast Bluetooth with 1Mbps broadcast frame and 8min broadcast interval, and the corresponding broadcast can be scanned by using nRF connect APP.
Connectivity	Device is not connectable; it advertises only.
Startup & Shutdown	Automatically starts broadcasting once the battery is inserted. Turn off the device, remove the battery and cut off the power supply. The device cannot be turned on or

	off by pressing buttons or through software configuration.
Button	A reset button, used to restore power and reset the device when it malfunctions.
Broadcast frame information	When the device is powered on, the broadcast information includes broadcast frame name, device UUID, RSSI, battery level, etc.
Burn debugging	The debugging and burning device can be done through the serial port burning tool at VBAT VDDQ TXD RXD GND test points.

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.

FCC warning:

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

Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.