

### NC3 circuit Description

**NC3** is an ANC+ENC TWS Bluetooth earphone, Compliant with Bluetooth V5.3+BR+EDR+BLE specification, EDR audio product. The earphone uses AC7006F4 as its main chip. The chip contains: power and charge unit, I/O unit, Bluetooth 5.3 RF unit, audio, key, LED, SPK1, SPK2, Crystal Oscillation, Dual mic unit. The earphone uses two LEDs. Their state indicates the earphone working state.

Long press power key for 3 seconds (**Figure 1**)



And the LED blue light red light flashing alternately (**Figure 2**)





equipment is searchable and pairing state. Turn on bluetooth in smartphone search bluetooth devices, click NC3 on the screen (Figure 3)



the LED red light blue light go out ,paired and ready to use. (Figure 4)



Human Body Mode  $\pm 4\text{KV}$ .

Standard: Compliant with Bluetooth V5.3+BR+EDR+BLE specification;

Meet class2 and class3 transmitting power

Requirement; Support GFSK and DQPSK all packet types;

Provides maximum +10dbm transmitting power;

EDR receiver with minimum -94dBm sensitivity;

Fast AGC for enhanced dynamic range

Supports:

a2dp\avctp\avdtp\avrcp\hfp\spp\smp\att\gap\

gatt\rfcomm\sdp\l2cap profile

a2dp 1.3.2\avctp 1.4\avdtp 1.3\ avrcp 1.6.2\

hfp 1.8 \spp 1.2\rfcomm 1.1\pnp 1.3\

hid 1.1.1\sdp core5.3\l2cap core 5.3

Operation Frequency: 2402MHz to 2483.5MHz

Bluetooth receiving sensitivity: -94dBm@GFSK, -94dBm@ $\pi/4$  DQPSK,

-94dBm@8DPSK modulation

Antenna GAIN: 1.9dBi

Temperature Range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

## **FCC 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 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your 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.

### **RF Exposure Information**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.