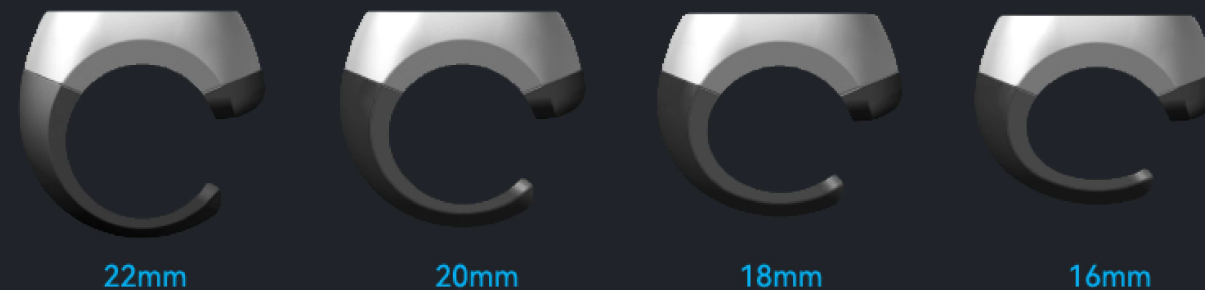


OnCtrl



Innovative ID Design

The product can be paired with three frequently used devices via Bluetooth, each supporting three operating modes: Entertainment Mode, Sports Mode, and Mouse Mode. The detachable ring design allows for easy customization with different colors to suit individual aesthetic preferences, and is available in multiple sizes to fit various finger dimensions.





Optical Touch Navigation (OFN)

Motion Detection CPI: 50 to 3200 CPI
 Typical @1000 CPI
 Tracking Speed, up to 24 inches/second

Supported Gestures:

Swipe Up, Swipe Down, Swipe Left, Swipe Right
 Diagonal Swipes: Up-Right, Down-Right, Up-Left, Down-Left
 Tap Single Click, Double Click

Supports pairing with three Bluetooth devices
 Each device supports three operating modes



For example: when currently on Bluetooth 2 and switching to Navigation Mode, the blue light for character 2 flashes once, and the motor vibrates once.
 When switching to Music Mode, the blue character 2 flashes twice, and the motor vibrates twice.



TS Key (Tact Switch)

| Status | TS Button |
|--|---|
| Wake from Sleep | Press 1 time [less than 0.5 seconds] |
| Power Off | Press 5 times consecutively |
| Switch between Navigation A / Music B / Mouse Mode C | Press quickly 2 times |
| Switch Bluetooth 1, 2, 3 | Press quickly 3 times |
| Force Clear Pairing | Press and hold the button for 5 seconds to clear the current Bluetooth pairing; press and hold for more than 10 seconds to clear all pairings |

Entertainment Mode

OnCtrl

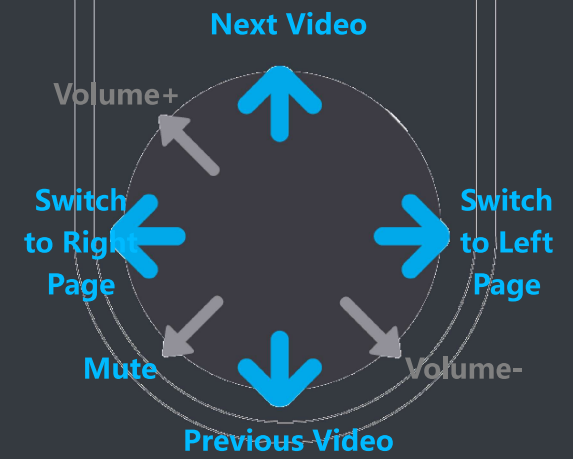


When the current Bluetooth is not paired, the corresponding blue LED remains constantly on, and double-clicking the button to switch modes is invalid.

Ring Control

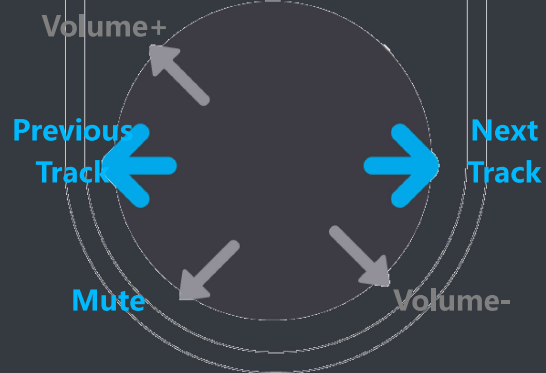


Single Click: Pause/Play; Double Click: Like

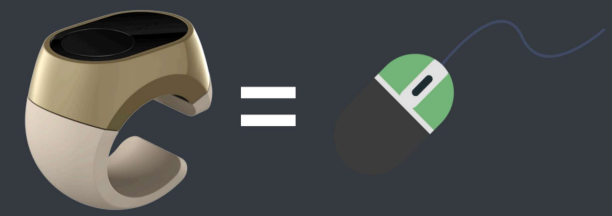


Sports Mode

Music (Single Click OFN: Pause/Play; Swipe Left/Right: Previous/Next Track)
Camera (Long press TS button for 2 seconds until vibration then release to open camera - Not supported on iOS)



Mouse Mode



Single-click the TS button to switch between Mouse Function and Mouse Scroll Wheel Function:
Mouse Function (Single Click OFN = Left Mouse Button)
Mouse Scroll Wheel Function (Double-click OFN to cycle through speed levels)



Camera Control

In Sports Mode, long press the TS button for 2 seconds until vibration then release to open the camera:
 Swipe up/down on OFN to adjust focus
 Double-click OFN to switch front/rear camera
 Long press physical button for more than 1 second (release after vibration) to switch between photo/video
 Note: The above features are not supported on iOS

Swipe down-right - Take Photo, Start/Stop Recording



Magnetic Charging

Lithium Battery Capacity: 3.7V/17mAh
 Charging Current: ≤25mA
 Charging Time: ≈1 hour
 Continuous Working Time When Fully Charged: ≈7 hours
 Continuous Standby Time When Fully Charged: >1 month

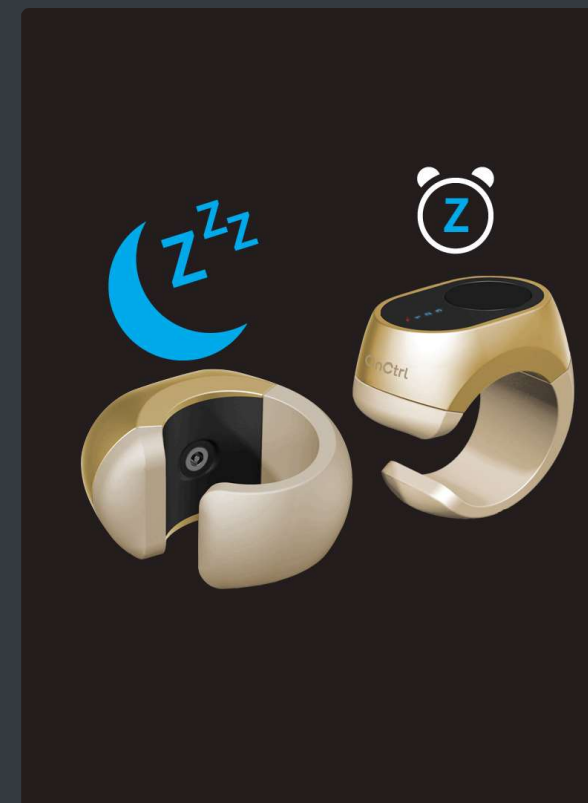


Indicator Lights

Charging Indicator:
 Charging - Red Light On
 Fully Charged - Red Light Off
 Low Battery Display - When less than 10%, flashes red once every 5 seconds; when less than 20%, flashes red twice every 10 seconds

Digital Indicator:
 1, 2, 3 correspond to the three paired Bluetooth devices. For example, if '2' lights up, it indicates Operation Instructions: Taking Device "2" as an example (same for each device):

| | |
|---------------------------|-------------------------|
| Switch to Device "2" | Lights up for 3 seconds |
| Switch to Navigation Mode | Flashes once |



Power Off and Power On Modes

1. Press and hold the TS button for one second to turn on; the whole system returns to the working state before shutdown and displays the current Bluetooth pairing status. Blue light constantly on indicates not paired; blue light flashes once indicates there is a pairing. If the connection is successful, flashing 1, 2, or 3 times indicates that the current mode is Navigation, Music, or Mouse mode respectively.
2. Press the TS button 5 times consecutively; the red light flashes once, then the device powers off. Press and hold the TS button for 1 second to power on.
3. When Bluetooth is not connected and there is no operation for 60 seconds, the main controller enters shutdown mode.



Bluetooth Pairing and Clearing

Bluetooth Pairing:

Open the Bluetooth settings on your phone, search for "Ring Control", click to connect. Some phones may prompt a pairing confirmation; just click "OK". After successful Bluetooth pairing, you can see it is connected on your phone. The blue light of the current mode on the Ring Control will flash once, and the motor will vibrate once, indicating that the Bluetooth pairing is successful.

Clear Pairing:

After pressing and holding the TS button for 5 seconds, the blue light of the current mode on the Ring Control flashes twice, and the motor vibrates twice, clearing the current Bluetooth pairing.



APP

The APP can view Ring Control battery level and version information, and supports FW upgrades:

- 1. APP supports Ring version management
- 2. APP supports cloud-based new version detection
- 3. Ring function mode on/off control (requires APP v1.6 or later)
- 4. APP supports OTA upgrades



Waterproof Rating



IP64, completely prevents dust ingress, protects against situations like light rain and sweat.



Specifications

Bluetooth Low Energy 5.3 Transmission

Frequency Range: 2402-2480MHz
Transmit Power, up to 4dBm
Receive Sensitivity: -70dBm
Operation Range, at least 10m
Max Paired Bluetooth Devices: 3

Optical Touch Module

Motion Detection: CPI 50 to 3200 CPI, Typical @1000 CPI
Tracking Speed: up to 24 inches/second

Battery

Rechargeable Lithium Battery 1x300811, total capacity 3.6V/17mAh,
Battery Charging Current not more than 25mA.
Supports continuous work for 7 hours,
Low Power Mode for more than 72 hours
Battery not completely depleted for more than 1 month in shutdown mode
Charging time about 1 hour.

Note: If the device is not used for a long time, please charge it at least once every 6 months!

Operating Temperature

Product operating temperature range is 0°C to 45°C

Storage Temperature

Product storage temperature is -40°C to 80°C

