

BlueTium Co., Ltd

Electro-Brooch

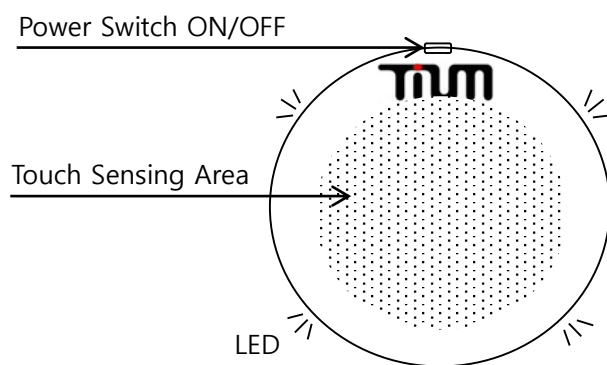
USER GUIDE

Touch gesture operated multimedia remote controller for mobile devices

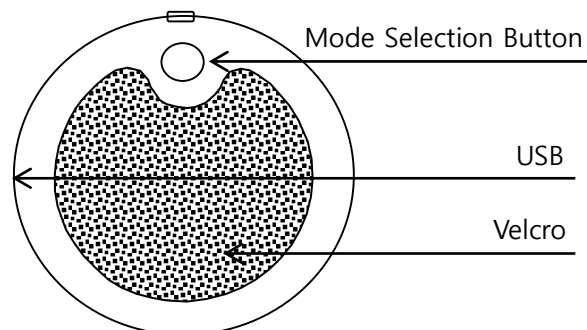
Description

Electro-Brooch is Bluetooth enabled light weight wearable remote controller for mobile devices. You can play, pause, forward, rewind music and adjust the volume, or **accept phone call** for your smart phone. When it's connected to notebook over Bluetooth, you can navigate slides from up to 15 meters.

Model BTS1801



Top View



Bottom View

Bluetooth Pairing & Connection

1. Bluetooth pairing : Android & Windows

Bluetooth device looks for other Bluetooth devices in range: To be found by other Bluetooth devices, turn on Electro-Brooch power switch, this will allow other Bluetooth devices in the vicinity to detect its presence. Bluetooth device name, **TIUM_EB_XXXX**, is discoverable on the device list, then click and connects the device. If the mobile device manually connects other Bluetooth device, push mode selection button of Electro-Brooch for 3 seconds, then find and connect **TIUM_EB_XXXX** on the device list.

2. Bluetooth pairing : iOS & macOS

Bluetooth device looks for other Bluetooth devices in range: To be found by other Bluetooth devices, turn on Electro-Brooch power switch, this will allow other Bluetooth devices in the vicinity to detect its presence. Bluetooth device name, **TIUM_EB_XXXX**, is discoverable on the device list, then click and connects the device. If the mobile device manually connects other Bluetooth devices, push mode selection button of Electro-Brooch for 3 seconds, then find and connect **TIUM_EB_XXXX** on the device list.

Bluetooth

Bluetooth 4.2 LE

Bluetooth wireless range: 15m

Frequency: ISM Band 2.4GHz

OS

OS compatibility: Android, Windows, iOS & macOS,

Specification

Supports sleep and wake-up functions

Bluetooth pairing, low/full battery, mode selection LED indicator

ON/OFF power switch maximizes battery life

Current consumption: under 6mA at normal operation
under 800uA at sleep mode

Power supply: 3.8V/180mAh, Li-ion Rechargeable Battery,

Battery charge time: 0.5 hour

Battery life: Approximately 24 hours of continuous usage
7 days at stand-by mode

Physical

Dimensions: 60 x 60 x 7 mm

Device Weight: 20g

Color: Black or White

Certifications

KC certification number: R-C-btu-BTS1801

TELEC : TBD

Warranty

1 Year limited

Functions

Music play/pause, navigation, volume up/down,

Camera shutter remote

Presenter remote

Phone call receive accept remote

Operation

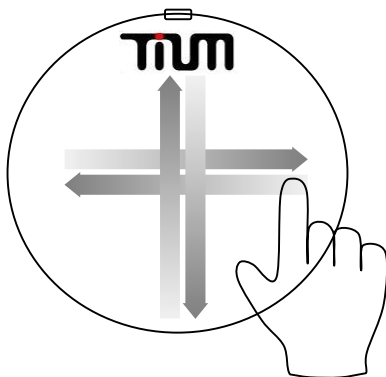
Touch gestures are pre-programmed to control music play, phone call receive and presenter remote.

1. Power on : Turn on Electro-Brooch using the Power ON/OFF switch
2. Blinking color of all 4 LEDs shows current operating mode of Electro-Brooch.
3. If all four LEDs blink, go to Bluetooth pairing (#4)
4. If LEDs do not blink at all, connect to USB charger and charge for about 0.5 hour. LEDs start to blink in red, then continue to turn on in red when rechargeable battery is fully charged.
5. Activate the Bluetooth function on your mobile device.
6. Bluetooth pairing: after pairing is complete, all four LEDs blink in blue. When pairing is disconnected, blue color blinking continuously circulates clockwise
7. Multimedia control
 - A. Quick double tapping : music play/pause
 - B. Swipe up from the bottom : volume up
 - C. Swipe down from the top : volume down
 - D. Swipe from left to right : next music
 - E. Swipe from right to left : previous music
8. Smartphone camera remote
 - A. Quick double tapping : Camera App activation
 - B. Quick double tapping : shutter
9. Presentation remote
 - A. Quick double tapping : enter Powerpoint slide show mode
 - B. Swipe up from the bottom : first page

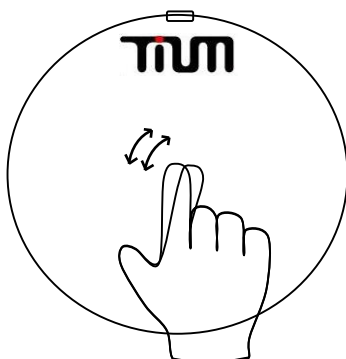
- C. Swipe down from the top : last page
 - D. Swipe from left to right : next page
 - E. Swipe from right to left : previous page
 - F. Cover Electro-Brooch with palm longer than 2 seconds : exits slide show :
10. Operating mode and LED color mapping
- A. Red blinking circulates : low battery level
 - B. Red blinking : charging, **blinking duty cycle shows battery level
 - C. Red on : charge completed
 - D. Green color blinking : multimedia control
 - E. Green color blinking circulates twice : power switch ON in multimedia control mode
 - F. Skyblue color blinking : selfie shutter remote
 - G. Skyblue color blinking circulates twice : power switch ON in camera selfie remote mode
 - H. Yellow color blinking : Powerpoint presenter remote.
 - I. Yellow color blinking circulates twice : power switch ON in presenter remote mode
 - J. Blue color blinking : Bluetooth connected
 - K. Blue color blinking circulates continuously : Bluetooth disconnected
 - L. White color blinking once : touch input detected
 - M. White color blinking circulates continuously : receiving a call
- **Note: Electro-Brooch blinks in red color and operating mode color when the device is turned ON and charged.

11. Touch gesture input

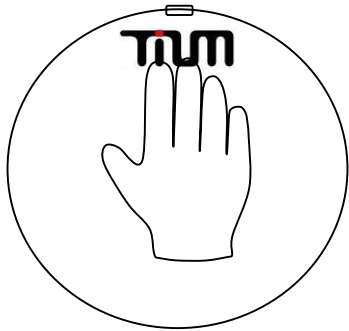
- A. Swipe up or down, left, or right



- B. Double tapping



C. Palm



FCC Information to User

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.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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