Life Beat
User Manual*
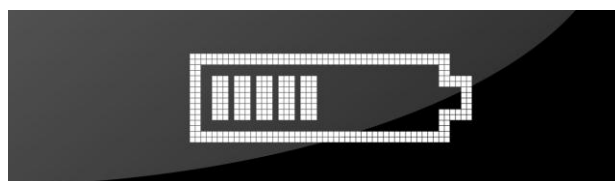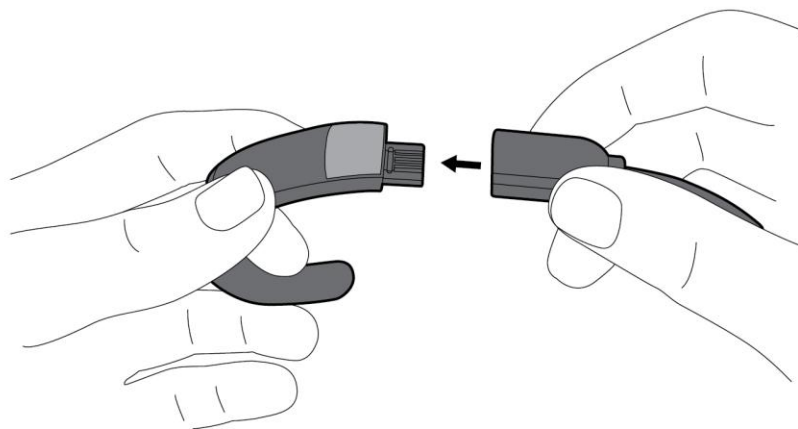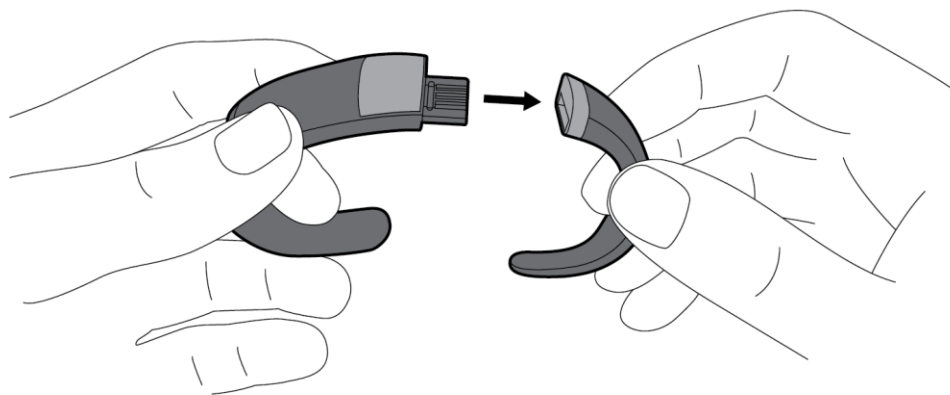
Powering ON Band from Shipping Mode

(**Shipping Mode** = The state the band is shipped from the factory in; Processor (MCU) and Bluetooth Low Energy (BLE) IC's are turned off; OLED and module button are disabled)

1. Remove band from packaging
2. Remove band arm from finger sensor side to expose USB tongue
3. Insert USB tongue into powered USB port
4. Band OLED will display animated charging battery icon
5. Band is charging battery (Charging Mode)

Switching Band from Shipping Mode to Unbonded Mode

(**Unbonded Mode** = BLE is always on; MCU is activated; OLED enabled only to display "HELLO" screen; Accelerometer and ECG sensors are disabled; Band has no security token)

1. While band is charging (Charging Mode), Unbonded Mode is automatically triggered
2. **Band BLE will begin advertising every 1.3 seconds**
3. Remove band from powered USB port
4. Replace band arm on finger sensor side USB tongue
5. Press module button
6. Band OLED will display "HELLO" for 5 seconds

Charging the Band in Unbonded Mode

(**Charging Mode** = Overrides Unbonded Mode; Accelerometer and ECG sensors disabled; Button disabled for OLED)

1. When band power is low, remove band arm from finger sensor side to expose USB tongue
2. Insert USB tongue into powered USB port
3. Band OLED will display animated charging battery icon
4. Band is charging (Charging Mode)
5. **BLE is still advertising every 1.3 seconds**
6. When band is charged, animated charging battery icon will disappear
7. Remove band from USB port
8. Replace band arm on finger sensor side USB tongue

Turning Band OFF and ON

(**Power Off Mode** = BLE is off; Accelerometer and ECG sensors disabled; OLED and module button disabled)

1. When band is ON, press module button for 6-8 seconds
2. Band displays "OFF" or "POWER OFF"
3. Press module button within 5 seconds to confirm
4. Band is OFF
5. When band is OFF, press module button for 6 seconds
6. Band is ON

7. Band OLED will display "HELLO" for 5 seconds
8. **Band BLE will begin advertising every 1.3 seconds**

Low Power Mode

(<u>**Low Power Mode**</u> = State band automatically goes into when battery reaches ~1/8 power capacity; Overrides Unbonded Mode; BLE functionality off; Accelerometer and ECG sensors disabled; OLED and module button disabled)

1. Band detects battery has reached ~1/8 power capacity
2. Band goes into Low Power Mode
3. User must put band into Charging Mode to bring back to Unbonded Mode and re-activate BLE (*see Charging Band in Unbonded Mode*)

NOTICE:
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.

Changes or modifications made to this equipment not expressly approved by NeuroSky Inc. may void the FCC authorization to operate this equipment.

Radio frequency radiation exposure Information:
The radiated output power of the device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.