

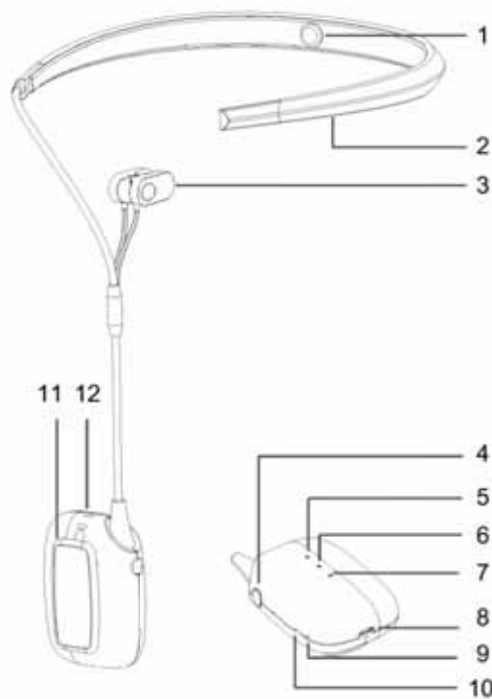
# AmTRAN

## U-Wake

### 1. Introduction

Your U-Wake is designed to help you keep awake from driving fatigue. Via the U-Wake application on your Android™/IOS device, you can synchronise data with your U-Wake headband to see the brainwave status in real time. The Apps can also make noise / vibration in order to alert you , besides , the call-help message will also send to your friend that you select via social-media . To wear U-Wake device and use U-Wake application , it will try best to keep you falling asleep when you were driving. .

### 2. Hardware overview



- 1 Sensor plate
- 2 Headband
- 3 Ear Clip
- 4 Power button
- 5 Notification light A

- 6 Notification light B
- 7 Notification light C
- 8 Micro USB port
- 9 Reset hole
- 10 Insulation hole
- 11 Clip
- 12 Strap hole

## 3. Charging your U-Weak

Before using your U-Weak for the first time, you need to charge it for approximately 12 Hours. Chargers are recommended. (Low battery Red is flashed / Charging red is continuously light / Charging full red light is off)

### To charge your U-Weak

1. Plug one end of the USB cable into the USB charger.
2. Plug the other end of the cable into the Micro USB port of your U-Weak

### Battery notification light status

Notification light red continuously : The battery is charging and is not yet fully charged

Notification light red is off : The battery is fully charged

### Low battery level notification

When your U-Weak is on and the battery level is less than 10%, your U-Weak Red light is flashed.

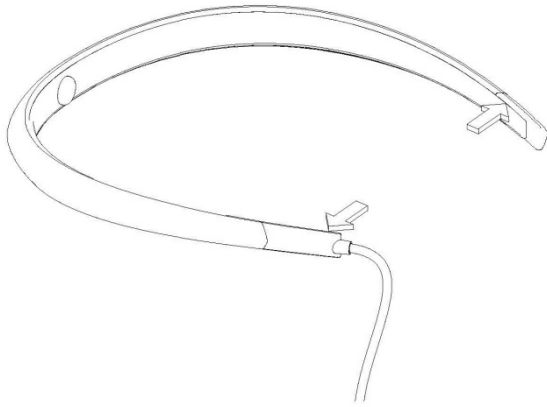
### To check the battery level of your U-Weak

1. From the Home screen of your Android™ device

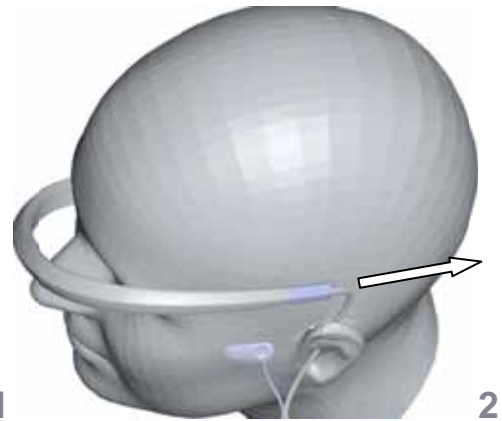


Note : The battery of this device cannot not be changed

## 4. Assembly

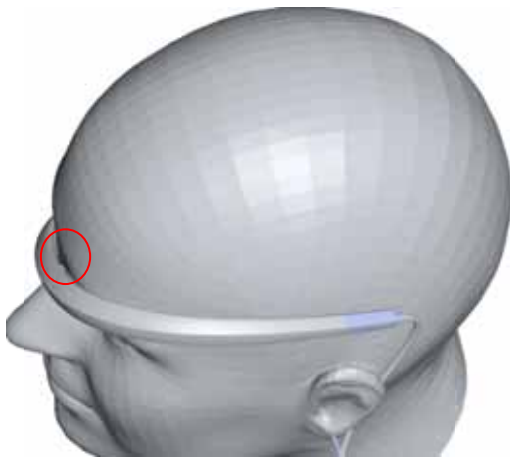


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1. To hold the U-Wake in horizontal position, slide the device backwards so that the sensor can contact your forehead so closely



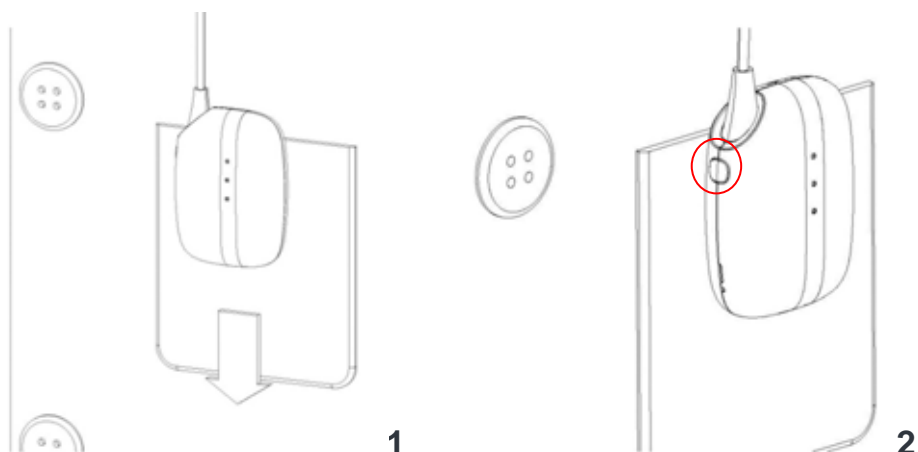
3



4.

2. Clip the ear sensor onto your ear lobe.

## FIX YOUR CONTROL BOX



1. To fix the control box in any place of cloth that you prefer .
2. To Push the power key over 1 second to turn the power on .

## 5. Turning your U-Weak on and off

### To turn on your U-Weak

Press and hold down the power key until your When your U-Weak is on (Green light continuously on, Blue light is flashes).

### To turn off your U-Weak

Press and hold down the power key until all LED light is off

## 6. Preparing to use your U-Wake

For your U-Wake to work it must be connected to your Android™ / IOS™ device and the latest versions of the following applications must be installed on the Android™ / IOS™ device.

### To set up your U-Wake using Bluetooth®

1. Make sure that your U-Wake has been charged for at least 3 hours.

2. Android™/ IOS™device: Make sure you have installed or updated the U-Wake application to the latest version from Google Play™ / Apple Store™.
3. Turn on your U-Wake (Press the power key over 3~5 second). After U-Wake is power on. (Green light continuously on, Blue light is flashes, Blue light is Bluetooth status indication).
4. Wearing your U-Wake. Headband on the forehead head and main box can be clipped anywhere that you preferred.
5. Please make sure headband sensor and ear clip is contacted closely to your forehead / ear.
6. Android™ /IOS device: Turn on the Bluetooth® function.
7. Run the U-Wake application , then scan for Bluetooth® devices and select U-Wake in the list
8. When Bluetooth is connection Blue light is continued on

PS: When Bluetooth connection 3 minute Green light will be turn off / Blue light is always on.

## 7.Resetting your U-Wake

Reset your U-Wake if it behaves unexpectedly.

### To reset your U-Wake

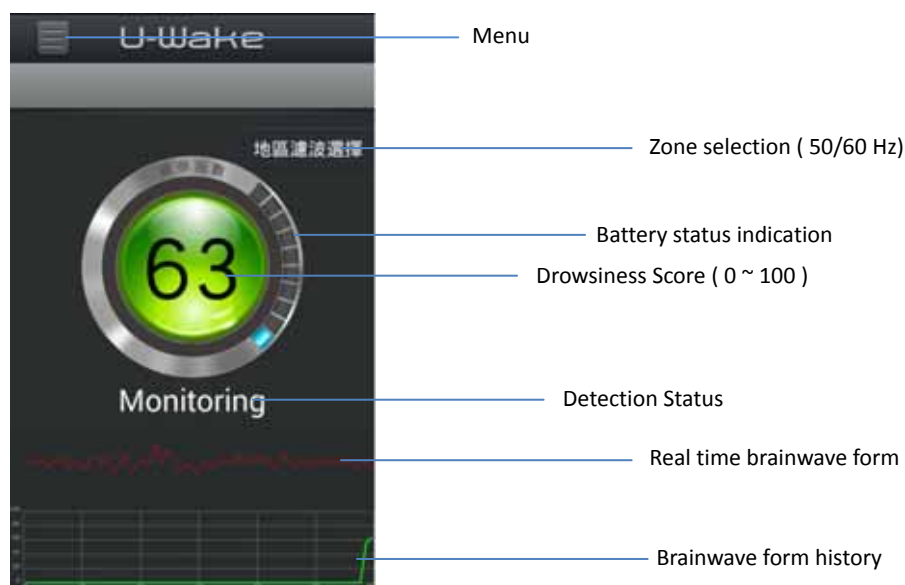
1. If it behaves unexpectedly U-wake can't turn on, please press the needle button 1~2 sec for reset

## 8.Trouble shooting

1. If press and hold down the power key but can't turn on→ (1) Please charge again (2)Use needle to press the reset key in order to do the hardware reset .
2. If LED light work abnormal → Please use needle to press the reset key then turn on again.
3. If brainwave signal is poor,→
  - a. Please clean up your headband sensor & ear clip sensor
  - b. Please make sure headband sensor and ear clip is contacted closely to your forehead / ear.
  - c. Please don't use the U-Wake when U-Wake device is in charge

## 9.Using the U-Wake application

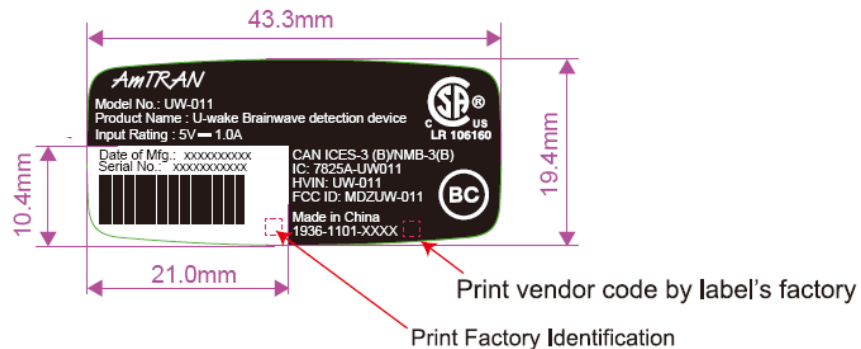
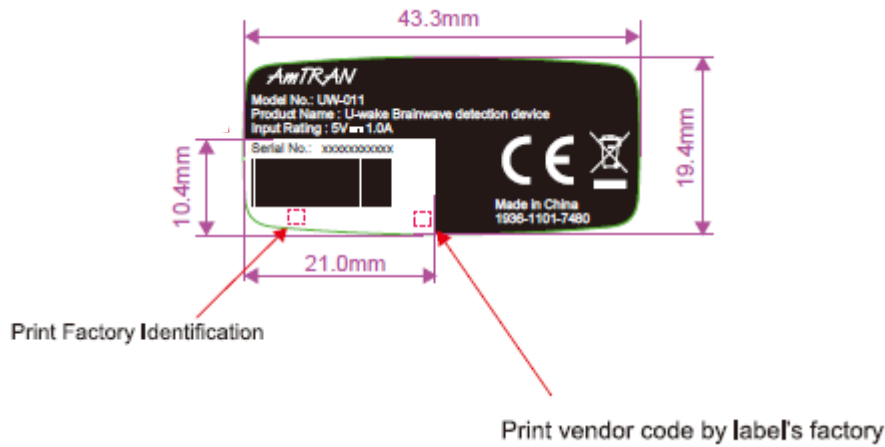
You can view and change settings for your U-Wake from the U-Wake application .



## 10.Product spec

Model Name		U-Wake UW-011	
Brainwave	Features	<ul style="list-style-type: none"> <li>• Direct connect to dry electrode</li> <li>• One EEG channel + Reference + Ground</li> <li>• Extremely low-level signal detection</li> <li>• Advanced filter with high noise immunity</li> </ul>	
	Brainwave Patterns	<ul style="list-style-type: none"> <li>• Fatigue</li> <li>• Low Attention</li> </ul>	
	Specification	<ul style="list-style-type: none"> <li>• 256Hz sampling rate</li> <li>• 3-25Hz frequency range</li> <li>• Max Power Consumption: 45mA @ 3.3V • Operating voltage 3.0V ~4.2V (TBD)</li> </ul>	
Headset	Wearing Style	• Headband	
	Transmission type	• BLE ( Support above android 4.3 & IOS)	
	BT Spec		<ul style="list-style-type: none"> <li>• IC compatible for BLE</li> <li>• Output : Bluetooth power 0.5mW</li> <li>• Transmission Distance : ~ 30 feet</li> <li>• Frequency Range : 2.4GHz (2.4000GHz-2.4835GHz)</li> <li>• Interface : GATT profile</li> </ul>
		Battery Spec	• 4.2V/600mA
		Battery average operating time	~ 20 hours
	Contact pressure	~ 7 N (± 0,3 N)	
	Button	Power Key	
	I/O interface	•Micro USB ; Brainwave Sensor ; Ear Clip	
	Charging interface	• By Micro USB	
		Dimension : 164.3mm(L)*165mm(W)*25mm(H)	
		Carton Size : 12pcs / Ctn , 1147(D)*162(W)*210(H)mm	
		Net Weight : 210 g	
		Container Load : 4,200 pcs / 20"	

## 11.Safety Label Information



### FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE 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:**

To assure continued FCC compliance:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**IC**

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil radio est conforme au CNR-210 d'Industrie Canada. L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec tout autre antenne ou transmetteur.