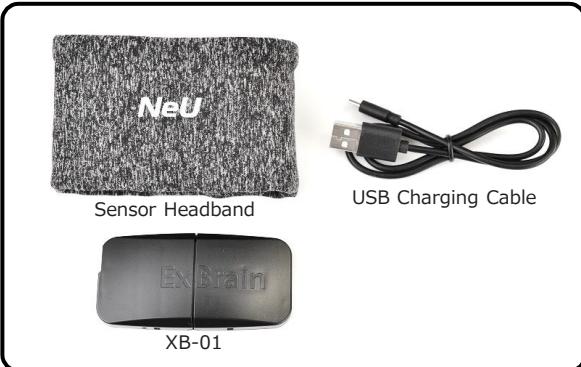


What's in the Box



*Design may change.



Safety Precautions

Please be sure to read the following before using the XB-01

In order to prevent personal harm or injuries, including damages to property, please read and follow all safety precautions written and explained in this user's manual for safe operation. Please save this manual for future reference.

- The following icons classifies and explains the degree of harm, injury and/or damage to property that may occur due to misuse and/or failure to follow the instructions in this user's manual.
- NeU is not liable for any harm, injuries and/or damages to property due to improper use and/or handling by the product owner.



This icon indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

In the event of any abnormalities such as heat, smoke or a strange smell, please turn the XB-01's OFF immediately and DISCONNECT the charging cable if applicable. Continued use may result in serious personal injuries such as burns and/or a fire. After confirming that there is no immediate safety hazard, please contact us through the email address on page 8. Please Do NOT attempt, under any circumstances, to repair the XB-01 and/or any of its components. Please follow instructions below when using the XB-01. Failure to do so may cause a loss in product functionality, malfunction and/or a potential safety hazard.

- Do NOT wet the XB-01. If the device does get wet, please STOP using it immediately and dry it.
- Do NOT let the XB-01 come in contact with metals or flammable materials.
- The XB-01 must only be used within the specified temperature range as described on page 8. This also applies while charging the XB-01.
- Do NOT modify the XB-01 in any way, shape or form.
- Do NOT use the XB-01 if it has been dropped, punctured, crushed and/or damaged in any way.



This icon indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

Do NOT attach the XB-01 onto your eyes. Although the XB-01's light emission intensity meets safety standards and does not affect the human body, Do NOT look directly at the LED on the back side for prolonged periods of time.

If you feel abnormal heat while wearing the XB-01 on your forehead, remove it immediately and turn OFF the power. The XB-01 must NOT be attached to anyone who cannot remove it by themselves.

Do NOT use the XB-01 in environments over 35 °C (95 °F).

Do NOT use the XB-01 continuously for more than 2 hours. Otherwise, abnormal heat may cause injuries such as low temperature burns.



This icon indicates a potentially hazardous situation which, if not avoided, may result in minor to moderate injuries including damage to property.

Since the XB-01 is a precision instrument, care must be taken when handling the device. Do NOT drop or hit the XB-01 and/or expose it to harsh environments.

Do NOT wipe the surface of the XB-01 with products containing benzene, thinner or similar liquids as it will cause deterioration.

Do NOT leave or store the XB-01 for prolonged periods of time in the following places:

- Areas where it gets hot (for example, in a closed car or in a trunk)
- Dusty and humid places as internal damages may occur.
- Areas with strong magnetism or vibration.
- Please KEEP OUT OF REACH OF CHILDREN.

Bluetooth communication with the XB-01 may be interrupted when placed near devices with strong electromagnetic waves such as microwave ovens.

The XB-01 is NOT waterproof and should not be placed where it can get wet. When you wash the Sensor Headband, please be sure to remove the XB-01. The XB-01 is NOT able to monitor properly in excessive sweat.

The XB-01 is designed exclusively for a specific region and can only be used where it is sold.

The XB-01 is NOT a medical device nor a medical examination device. Data measured by the XB-01 can NOT be used for medical purposes by any means.

Charging the XB-01

The XB-01 has a built-in rechargeable battery and can be used for around 3 hours with a charging time of around 2 hours.

Charging the XB-01



Connect the XB-01 with the supplied USB charging cable. While charging, the **RED** indicator lights up. When fully charged, charging stops and the **RED** indicator turns off.

Use the charging cable supplied with the XB-01 to prevent voiding the warranty.

Checking the Battery Level

The battery level can be checked with the color of indicators.



GREEN light
The XB-01 can be used for more than 40 minutes.

Blinking in ORANGE
The XB-01 can be used for 40 minutes or less.

If the **ORANGE** light blinks faster, that shows the battery will soon run out and communication will stop as well.

How to use the XB-01

Slide the power switch **ON**, then the power indicator lights **green**, as shown above.

Please use the **Sensor Headband** with the XB-01.

How to use the Sensor Headband**How to "snap" into place**

Insert the two "snaps" on the Sensor Headband into the two holes on a side of the XB-01.



Then, do the same thing on the other side of the XB-01.

**Placement of the Sensor**

Adjust the Sensor Headband so that the XB-01 is just above your left (or right) eyebrow. The Sensors on the back side of the XB-01 should be in direct contact with your forehead.



Be sure that your hair do NOT get in between two Sensors and your forehead, which may affect the accuracy of the data to be measured by the XB-01.



While measuring, do NOT shake your head frequently and/or vigorously, including tilting your head considerably not to affect accuracy of the data. To keep clean the XB-01, wipe-off any dirt on two sensors gently with wet tissues. You can use wet tissues containing alcohol.

FCC ID: 2A9HIXB01

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.

Notice: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note: 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.

XB-01 Basic Specifications

Item	Specification
Measurable Data	Brain Blood Flow Change, Pulse Rate and Acceleration
Data Communication	Bluetooth 4.1LE
Recommended Operating Conditions	Temperature: 0 to 35 °C (32 to 95 °F) Humidity: 20 to 80% Rh
Power Supply	Built-In Rechargeable Battery Operating time: 3 hours Charging time: 2 hours
Dimensions, Weight	80 x 40 x 13 mm (3.2 x 1.6 x 0.5 in), 30 grams

Warranty and After-Sales Service

A free one-year limited warranty is included from the day you receive the XB-01. The warranty does not cover defects or malfunction caused by improper use, accident, abuse, neglect, alteration, tampering, failure to follow safe operating instructions, and/or use with non-original components.

In the event the XB-01 cannot be repaired, it may be replaced with a similar unit. Repair costs will be charged during the warranty period for the following failures or damages:

- Due to misuse, modification or unauthorized repair.
- Due to dropping, stepping, transport, and so forth.
- Due to being got wet or submersion.
- From fire, earthquake, lightning and/or other natural disasters.

Please send all inquiries to the email address at the bottom of this page with a description of the malfunction, usage details and your contact information.

NeU Corporation

2-2 Kanda Tsukasamachi, Chiyoda, Tokyo 101-0048, JAPAN
info@neu-brains.com <http://neu-brains.com/>



**Ultra compact
near infra-red sensor unit**

XB-01

**Product Safety Guide
User's Manual**

Version 5.0

NeU