

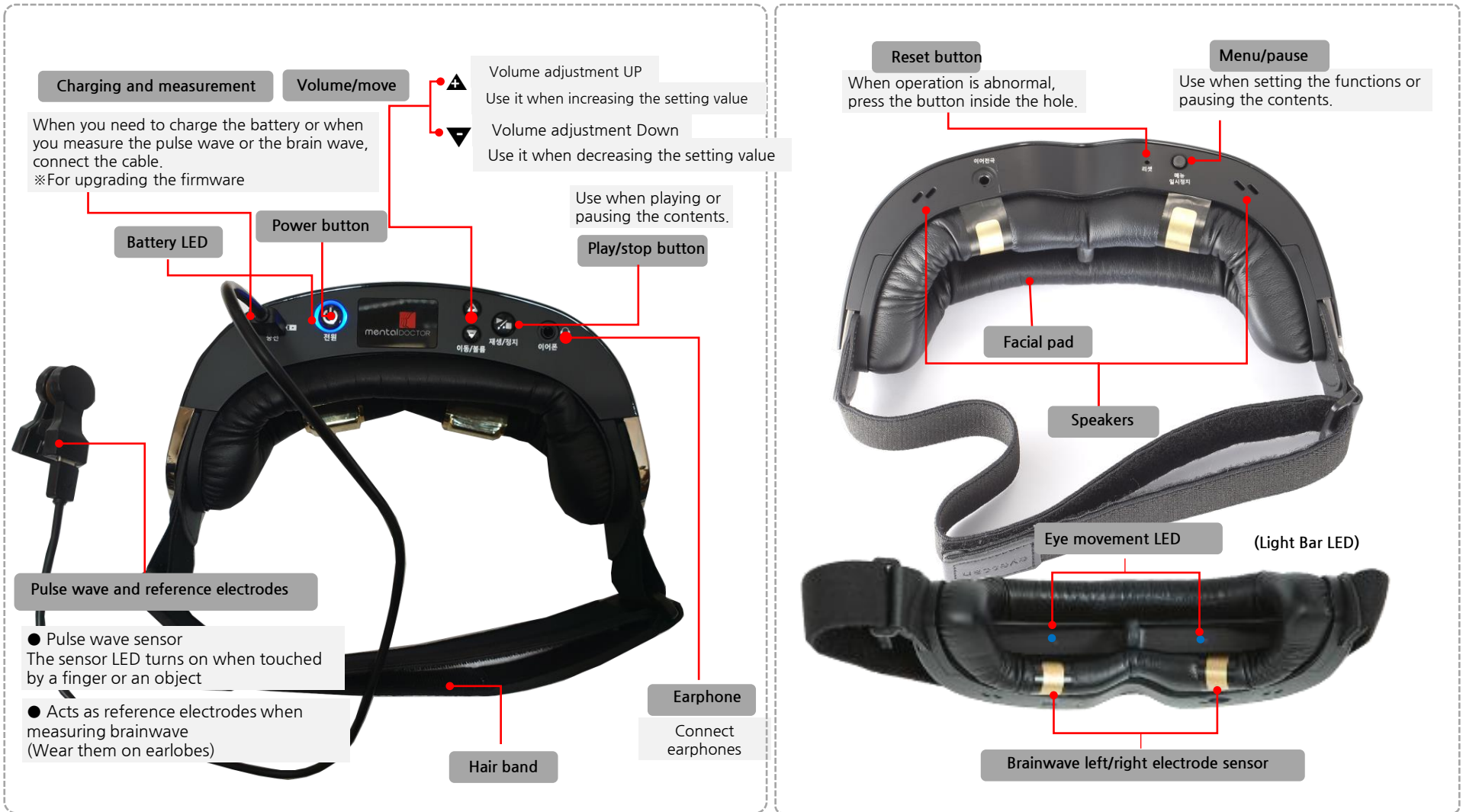


MEZ-300 Operation manual

EZ Balance®

We recommend that you read the
Mental Doctor manual before using
the product

Name and description of each part of the product



※These images included in this operation manual are for illustrational purposes only and may differ from the actual product.

Turning on the power and setting the focus

1. Power button and focus setup



[Power button]



[move button]



[Play/Stop Button]

Turning on power

- ① Press the left power button
- ② The blue power LED lights and depending on remaining battery you will hear "Battery is (sufficient/half remaining)" and "Bluetooth connecting" sound



Turning off power

Press the power button for 2 seconds and the power will turn off with "power turning off" sound.

Focus setting

- ③ When power is turned on, the light bar LED on the inside of the pad will light.
- ④ The power LED blinks every 1 second in blue color waiting for Bluetooth connection
- ⑤ After wearing the device in front of the eyes, press the move/volume button up and down to set the light bar LED light in one dot
- ⑥ When the light is seen in one dot, press the play/pause button on the right side of the product and you will hear "focus setting complete" voice and Bluetooth will stay paired.
The light bar LED will turn off.



Focus setting mode

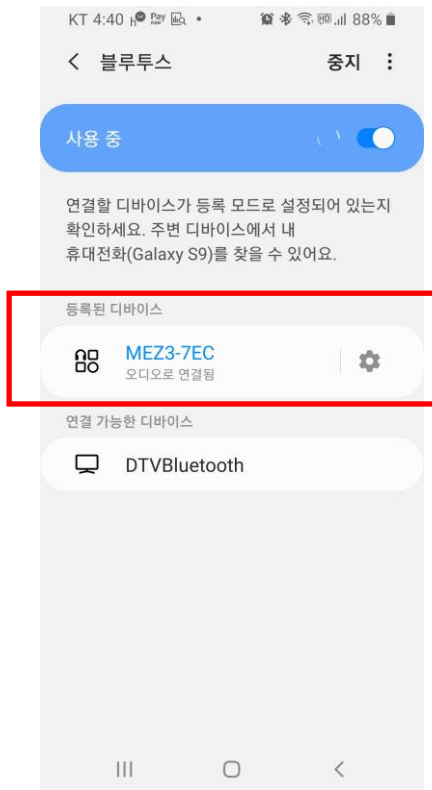


The focus setting mode (light bar LED turned on) is the setting stage to adjust the focus using the up/down buttons so that the focus will be seen as one dot while wearing Mental Doctor in front of the eyes. As the focus setting is the process of setting the focus, "press the play button of the Mental Doctor product to complete focus setting" alert popup will be displayed until focus setting is complete, and when you press the play button of the device, you can play the contents once focus setting is complete. However, you can measure pulse wave/brain wave at the focus setting stage.

Pairing Bluetooth



Search for “Mental Doctor ezbalance” in Google Playstore or iPhone Appstore to download and install the app.



- While the device is turned on, run Mental Doctor ezbalance app, then you will be directed to the Bluetooth setting screen on your smartphone to pair Bluetooth
- On the Bluetooth setting screen, search for the device
- When “MEZ3-??C “ is searched, register the device.
- For iPhone, how to register the device is the same.
(for iPhone, the app can only be used with iPhone S6 or higher, and iOS version 13 or higher).
- After making sure it is **connected to audio (A2DP)**, when you move to the main screen of the app, BLE is automatically connected.
(You only need to pair the device on the Bluetooth setup screen for the first time and it will be automatically connected afterwards.
However, if there are multiple devices turned on, they will all be searched, so turn off power and connect one device each.)

Using the product

1. Brainwave operation

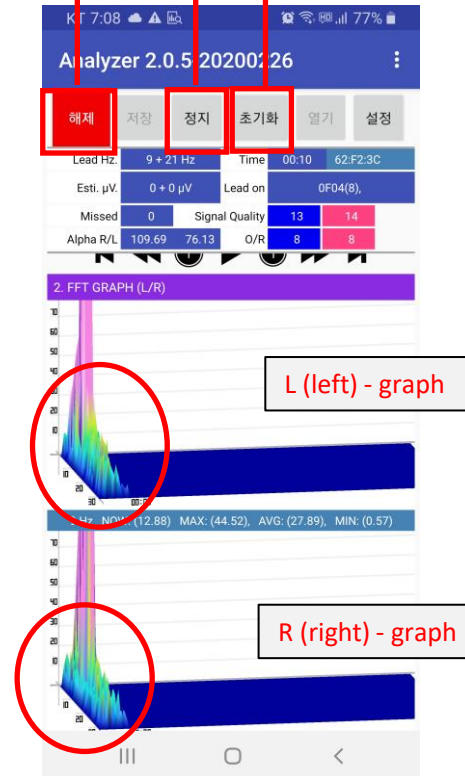
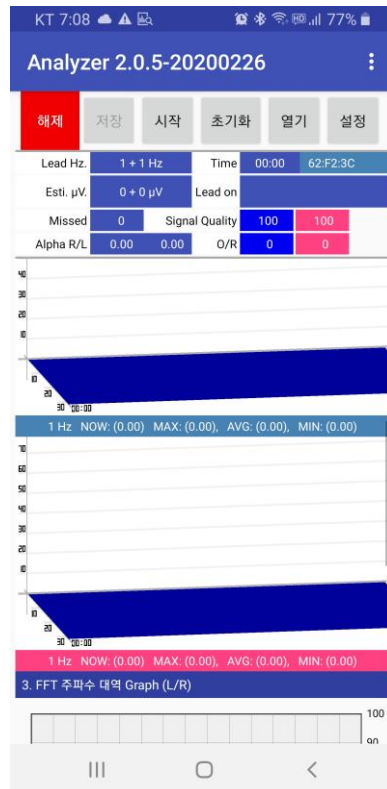
※ During brainwave operation, the audio related A2DP profile is disabled, so the contents operation feature cannot be used

Turn on the power of the device and connect the brainwave/pulse wave electrodes to the charging terminal

Run "Analyzer" test app

Press connect (blue color) and when the device is recognized normally, it will be displayed as "disconnected (red color)"

When start is pressed, waveforms are generated on the FFT Graph (L/R) for each frequency range (if there is no signal, no waveform will be generated).



Connect

Bluetooth communication connected

Disconnect

Bluetooth communication disconnected

Start

Measurement starts

Stop

Measurement stops

Initialize

Measured data deleted

Using the product

2. Pulse wave operation

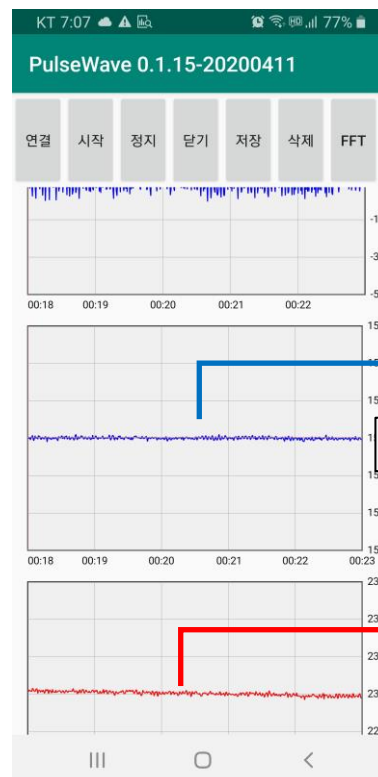
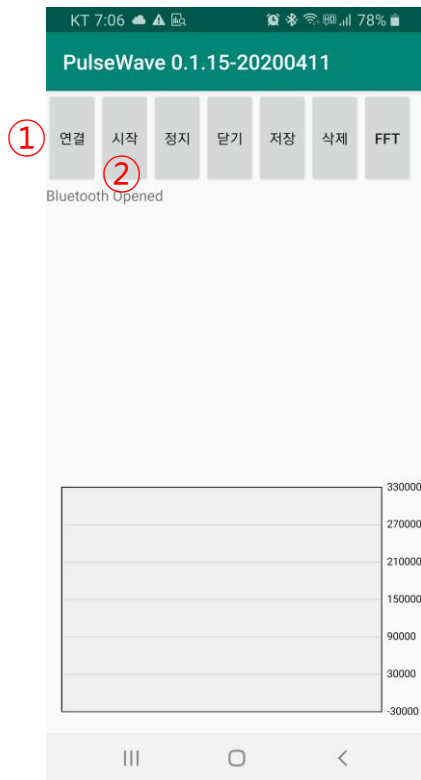
※ During pulse wave operation, the audio related A2DP profile is disabled, so the contents operation feature is disabled

Turn on the power of the device and connect the brainwave/pulse wave electrodes to the charging terminal

Run PulseWave test app

When connection is pressed, "Bluetooth Opened" message will be displayed when the device is recognized normally

When start is pressed, a signal is generated on the IR graph and RED graph (if there is no signal, no waveform will be generated)



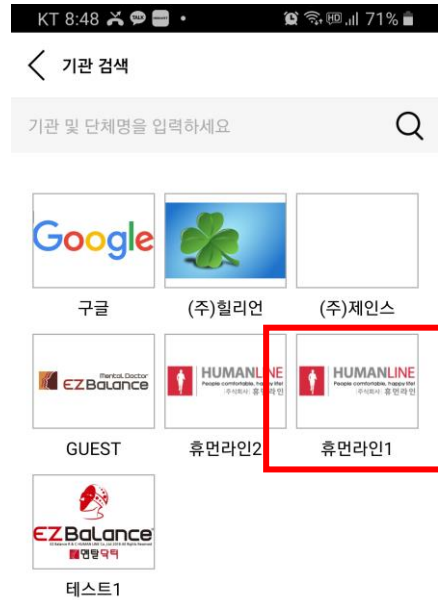
- Connect** Bluetooth connected
- Start** Measurement starts
- Stop** Measurement stops
- Close** Bluetooth disconnected
- Delete** Measured data deleted

Using the product

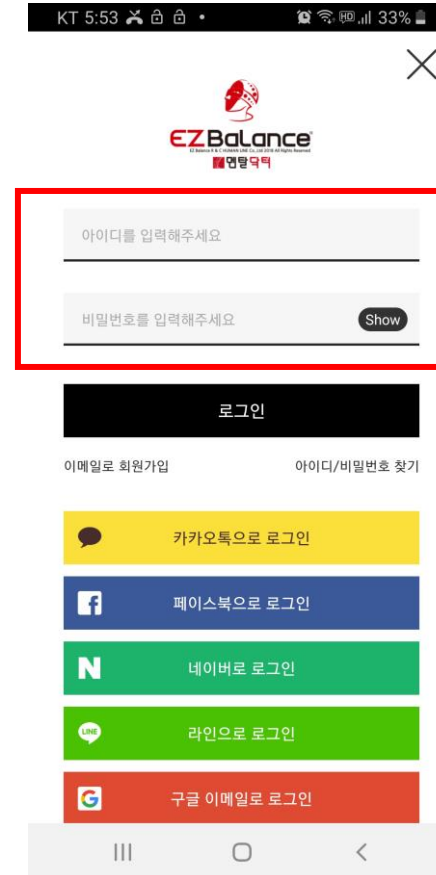
3. Log in



[Select business member]



[Select Humanline 1]



[After entering ID/password, log in]

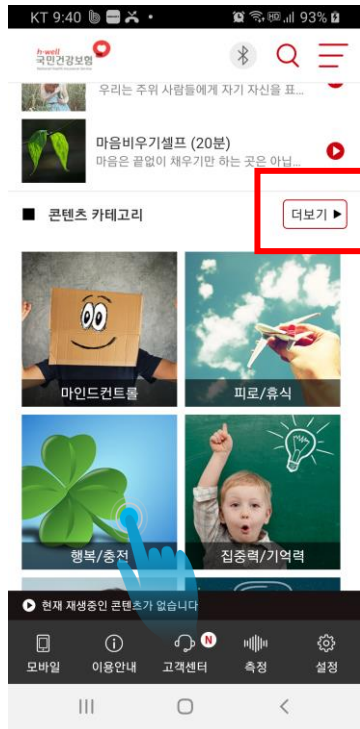
◆ ID : human005

◆ Password : qwer1234

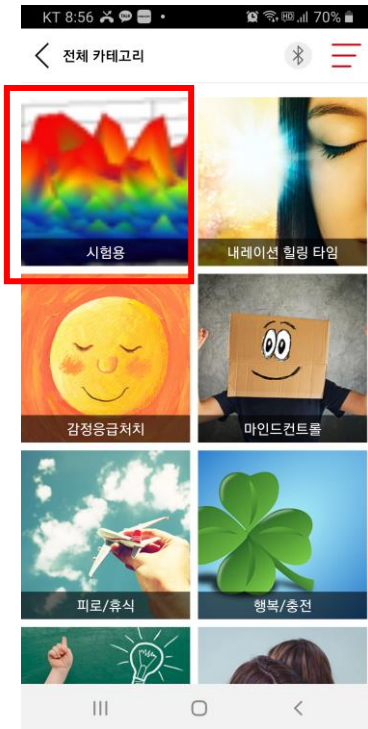
Using the product

4. Play Contents

※ During contents operation, output can be heard through the device's speaker or earphone while connected to Bluetooth.



[Contents category - select **view more**]



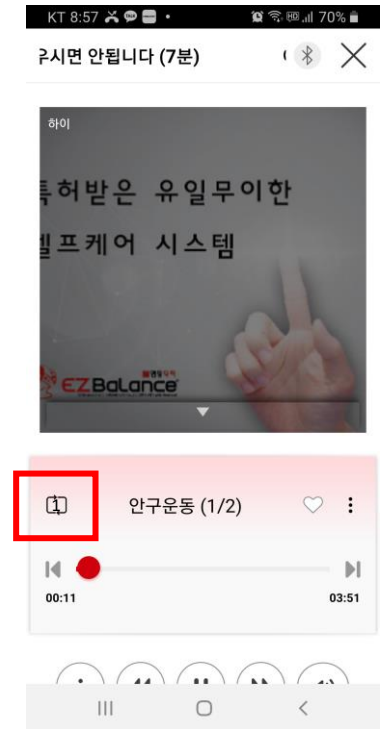
[Select **test**]



[Select **test(7 minutes)**]



[Display **play** - select]



[Select **repeat continuous play**]

Charging



- ※ While charging, only charging is possible and other features will not be available, so when you use the device, remove the charger.
- When the charger is connected to the charging terminal of the device, charging the battery starts and the power LED begins to blink in red.
- While charging, the power LED blinks in red in 1 second interval (flicker) and when charging is complete, the power LED will be lit in red.
- Once charging is complete, remove the charger.

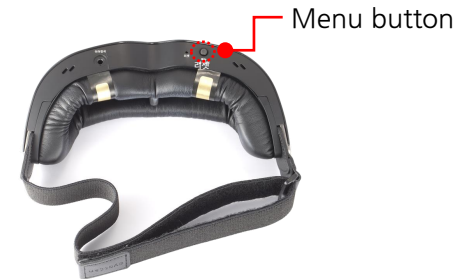


Setting the features



- When you want to go to the feature setup screen, press the menu button on the bottom of the product for 4 seconds, then you will hear the “focus setting” voice, the first menu of the feature setting.
- It is consisted of 4 menus in the sequence of: focus setting -> brightness setting -> repeat speed setting -> voice alert, and when you press either the menu button or play/stop button, it will move to the next menu

1. Focus setting

- To change to setting value, press the move () button and you will hear the current setting value in voice.
이동/볼륨
- There are 1 to 17 levels you can adjust to set the focus.
- The basic setting value is set at 11.
- To move between menus, press play/stop () button to move to the brightness setting menu.
재생/정지





2. Brightness setting


- When you press the down (-) button in the move/volume buttons, the LED brightness will dim and when you press the up (+) button, the LED brightness will gradually increase.
- To change the setting value, press the move () button and you will hear the current setting value in voice.
이동/볼륨
- You can adjust from 1 to 7 levels for setting the brightness.
- The basic setting value is set at 4.
- To move between menus, press play/stop () button to move to the repeat speed setting menu.
재생/정지


Setting the features

3. Repeat speed setting

- Set the repeat speed of the light moving left and right.
- When you press the down (-) button in the move/volume buttons, the speed will gradually slow and if you press the up (+) button, the speed will increasingly become faster
- To change to setting value, press the move () button and you will hear the current setting value in voice.
이동/볼륨
- You can adjust from 1 to 10 levels for setting the brightness
- The basic setting value is set at 5.
- To move between menus, press the play/stop () button to move to the sound alert menu.
재생/정지

4. Voice alert

- To change the setting value, press the move () button and you will hear the current setting value in voice.
이동/볼륨
- You can adjust the voice alert setting in 2 level, turn on and off.
- The basic setting value is set at turn on.
- If you set the voice alert service as [on], voice alert service will be provided.

If you press play/stop () button, setting will be completed and you will hear “setting is complete” voice and will switch to standby.

- If you set the voice alert service as [turn off], you can't hear some of the voice alert service of the product.

16. Product specification

- Model name MEZ-300
- Smartphone application Android/iOS(version 13.0 or higher)
- Bluetooth specification Bluetooth 4.1 Classic + BLE / 2400 ~2480MHz
- Brainwave measurement (EEG) 2CH EEG dry type electrodes/ ear reference electrodes
- Pulse wave measurement (PPG) Heart-Rate Sensor
- Voice output Speaker (Max1.0W) and earphone (Max20mW) output
- Eyeball movement Blue LED horizontal movement Light Bar.(acquired eye safety evaluation 1st class (IEC-60825 Class1))
- Embedded memory Micro SD Card Memory 16GB
- Charger rated voltage AC 100~240V 50~60Hz / DC5V 1.2A
- Battery 3.7V Lithium-ion Polymer Rechargeable Battery (600mAh)
- Charing time Around 1 hour 30 minutes - 2 hours
- Continuous contents playing time Around 4 hours
- Product dimension and weight 186mm(width) X 120mm(length) X 48mm(height) / 205g
- Use environment Operation temperature: 0 - 40℃ / Storage temperature : -5 - 50℃ Storage humidity : 70% or less
- Manufacturer/country Humanline Co., Ltd. / Korea
- Certification number R-R-HUL-MEZ-300

17. Notice

FCC

This device complies with Part 15 of the FCC Rules.

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 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

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

This portable transmitter with its antenna complies with FCC RF exposure limits for general population / uncontrolled exposure.

FCC ID: 2AOBD-MEZ-300

CE

HUMAN-LINE hereby declares that this product is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive (2014/53/EU).

RF exposure information

Max RF Power(e.i.r.p.)

Bluetooth (2402-2480 MHz): 9.18 dBm

This portable transmitter complies with CE RF exposure limits for general population / uncontrolled exposure.

Importer(EU) : NHS Shared Business Services
Woodseats House 764A Chesterfield Road Sheffield S8 0SE United Kingdom