

Version:A/0  
**JACKBOOM**

# User Manual

## Smart Voice Blood Pressure Monitor

BBY36-BT1



**Health Diary by  
MedM APP**

MedM Health

Download App

Scan the above QR code to download the App.



ios QR Code



Android QR Code

List of compatible devices

For iOS devices: The operating system must be iOS 13.0 or above.

For Android devices: The operating system must be Android 5.0 or above.



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- Thank you very much for selecting JACKBOOM Blood Pressure Monitor BBY36-BT1.
- Please do read the user manual carefully and thoroughly so as to ensure the safe usage of this product, and keep the manual well for further reference in case you have problems.

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## ♥ General Description

Thank you for selecting JACKBOOM blood pressure monitor (BBY36-BT1). The monitor features blood pressure measurement, pulse rate measurement and the result storage.

Readings taken by the BBY36-BT1 are equivalent to those obtained by a trained observer using the cuff and stethoscope auscultation method. This manual contains important safety and care information, and provides step by step instructions for using the product.

Read the manual thoroughly before using the product.

Features:

- 124mm×76mm Digital LCD display with white backlight
- Maximum 250 records
- Inflating measurement

## ♥ Indications for Use

This Blood Pressure Monitor is a digital monitor intended for use in measuring blood pressure and pulse rate with arm circumference ranging from 22cm to 32cm (about 8¾"-12½") or 22cm to 42cm (about 8¾"-16½"). It is intended for adult indoor use only .

## ♥ Measurement Principle

This product uses the Oscillometric Measuring method to detect blood pressure. Before every measurement, the unit establishes a "zero pressure" equivalent to the atmospheric pressure. Then it starts inflating the arm cuff, meanwhile, the unit detects pressure oscillations generated by beat-to-beat pulsatile, which is used to determine the systolic and diastolic pressure, and also pulse rate.

## ♥ Receiving and Inspecting your Monitor

Check that the device packaging has not been tampered with and make sure that all contents are present. Before use, ensure that there is no visible damage to the device or accessories and that all packaging material has been removed. If you have any doubts, do not use the device and contact your retailer or the specified Customer Services address.

## ♥ Safety Information

The signs below might be in the user manual, labeling or other component. They are the requirement of standard and using.

	Recyclable		Type BF applied part
	Direct Current		Serial Number
	Date of manufacture		Manufacturer
	Class II Equipment		For indoor use only
	Batch code		
	Consult instructions for use or consult electronic instructions for use.		
	Refer to instruction manual/booklet To signify that the instruction manual/ booklet must be read. Note: The background color of the symbol is blue.		
	MR Unsafe To identify an item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.		
	Caution Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.		
	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.		

## Precaution

- \* **Blood Pressure Monitor is intended to be operated by adults, including medical staffs and lay persons. Adult patients could also be intended users or operators.**
- \* This device is intended for indoor, home use and is not intended for self-use in public areas.
- \* This device is portable, but it is not intended for use during patient transport.
- \* This device is not suitable for continuous monitoring during medical emergencies or operations.
- \* This device is intended for non-invasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the arm, or for any purpose other than obtaining a blood pressure measurement.
- \* This device is for adults. Do not use this device on neonates or infants. Do not use it on children unless otherwise instructed by a medical professional.
- \* Consult with your physician before using this monitor if you suffer from the following conditions: common arrhythmias such as premature ventricular beats or atrial fibrillation; peripheral arterial disease; pregnancy; preeclampsia; implantation with electrical devices; undergoing intravascular therapy; arteriovenous shunt or mastectomy. Please note that any of these conditions may affect measurement readings, in addition to patient motion, trembling or shivering.
- \* If you are taking medication, consult your physician to determine the proper time to measure your blood pressure.
- \* This device may be used only for the intended use described in this manual, the manufacturer shall have no liability for any incidental, consequential, or special damages caused by misuse or abuse.
- \* Please use the device under the environment which is provided in the user manual. Otherwise, the performance and lifetime of the device will be impacted and reduced.
- \* The device may require up to 30 minutes to warm up / cool down from the minimum/ maximum storage temperature before it is ready for use.
- \* The blood pressure monitor, its adapter, and the cuff are suitable for use within the patient environment.
- \* **DO NOT** wash the cuff in a washing machine or dishwasher!
- \* The device contains sensitive electronic components. To avoid measurement errors, avoid taking blood pressure measurements near a strong electromagnetic field radiated interference signal or electrical fast transient/burst signal.
- \* Wireless communication equipment, such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies may cause interference that may affect the accuracy of measurements. A minimum distance of 1 foot (30 cm) should be kept from such devices during a measurement.

## Caution

- \* **DO NOT** attempt to repair the unit yourself if it malfunctions. Only have repairs carried out by authorized service centers.
- \* It is recommended that the performance should be checked after repair, maintenance, and every two years of use, by retesting the requirements in limits of the error of the cuff pressure indication and air leakage (testing at least at 50 mmHg and 200 mmHg). Please contact manufacturer or distributor for authorized service personnel.
- \* Store your device, cuff and adapter in a clean and dry place, protect it against extreme moisture, heat, lint, dust and direct sunlight. Never place any heavy objects on it.
- \* Make sure the rubber tube of the cuff is not squeezed, stretched, or kinked during storage.
- \* Dispose of accessories, detachable parts, and the device according to the local guidelines.

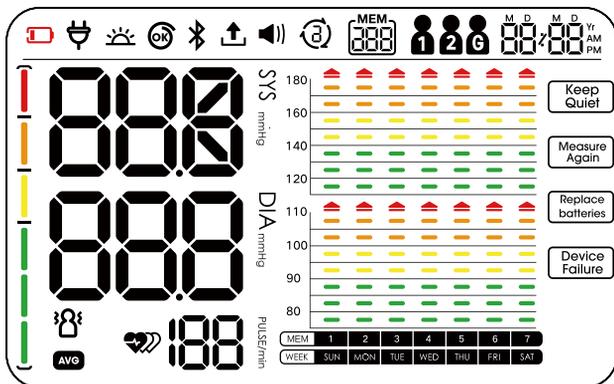
## Warning

- \* **DO NOT self-diagnose the measurement results and start treatment by yourself. The measurement results given by this device is not a diagnosis. ALWAYS consult your doctor for evaluation of the results and treatment.**
- \* **DO NOT adjust medication based on readings from this blood pressure monitor. Take medication as prescribed by your physician. ONLY a physician is qualified to diagnose and treat high blood pressure.**
- \* **DO NOT** apply the cuff on an arm that has an intravenous drip or a blood transfusion attached.
- \* **DO NOT** kink, fold, stretch, compress, or otherwise deform the tube during measuring, as the cuff pressure might continuously increase, which could prevent blood flow and result injury.
- \* Taking blood pressure measurements too frequently could disrupt blood circulation and cause injuries.
- \* **DO NOT** apply cuff to areas on patient where skin is delicate or damaged. Check cuff site frequently for irritation.
- \* **DO NOT** place the cuff on the arm of a person whose arteries or veins are undergoing medical treatment, i.e. intra-vascular access or intra-vascular therapy or an arteriovenous (A-V) shunt, which could disrupt blood circulation and cause injuries.
- \* **DO NOT** place the cuff on the arm on the same side of a mastectomy (especially when lymph nodes have been removed), it is recommended to take measurements on the unaffected side.
- \* **DO NOT** wrap the cuff on the same arm to which another monitoring device is applied. One or both devices could temporarily stop functioning if you try to use them at the same time.
- \* Please check (for example, by observation of the limb concerned) that the operation of the device does not result in prolonged impairment of patient blood circulation.
- \* On the rare occasion of a fault causing the cuff to remain fully inflated during measurement, loosen and remove the cuff immediately. Prolonged high pressure applied to the arm (cuff pressure >300 mmHg or constant pressure >15 mmHg for more than 3 minutes) might lead to bruising and discolored skin.
- \* **DO NOT** use this device with high-frequency (HF) surgical equipment at the same time.
- \* This device is not used in conjunction with oxygen rich environments, not intended for use with flammable anaesthetics, not intended for use in conjunction with flammable agents.
- \* **DO NOT** touch output of the batteries/adapter and the user simultaneously.
- \* The power cord is considered the disconnect device for isolating this equipment from supply mains. Do not position the equipment so that it is difficult to reach or disconnect.
- \* **DO NOT** use this device if you are allergic to polyester, nylon, or plastic.
- \* Only use accessories approved by manufacturer. Using unapproved accessories might cause damage to the unit and injure users.
- \* If you experience discomfort during a measurement, such as pain in the arm or other complaints, press the Power button immediately to release the air from the cuff.
- \* **DO NOT** use the device while under maintenance, or being serviced.
- \* The air tube poses a risk of strangulation. Furthermore, the small parts of product and batteries present a choking hazard if swallowed. They should therefore always be kept away from infants/children.
- \* Sensor degradation or looseness may reduce performance of device or cause other problems.

## Notice

- \* You can use this device to take your own measurement, no third-party operator is required.
- \* Adapter is specified as a part of ME EQUIPMENT.
- \* At the request of authorized service personnel, circuit diagrams, component part lists, descriptions, and calibration procedures will be made available by the manufacturer or distributor.
- \* The expected lifetime of the cuff may vary by the frequency of washing, skin condition, and storage state.
- \* Please report to the manufacturer and the competent authority of the Member State / the FDA in which you are established about any serious incident that has occurred in relation to this device.

## ♥ LCD Display Signal

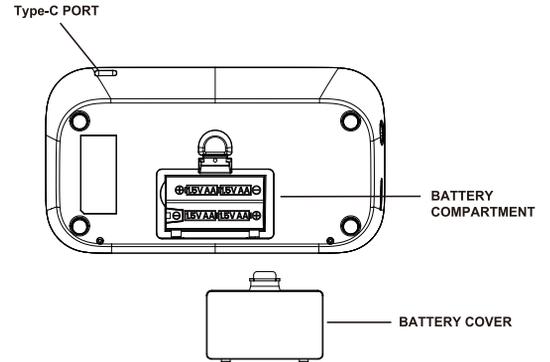
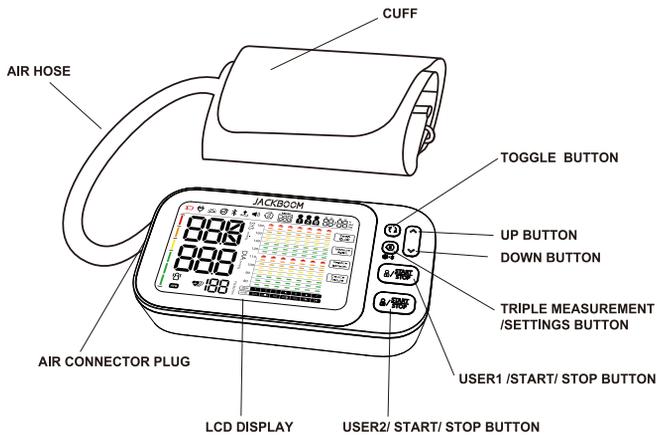


SYMBOL	DESCRIPTION	EXPLANATION
<b>SYS</b>	Systolic blood pressure	High pressure result.
<b>DIA</b>	Diastolic blood pressure	Low pressure result.
<b>PUL</b> /min	Pulse display	Pulse in beats per minute.
<b>mmHg</b>	mmHg	Measurement unit of blood pressure.
<b>DM</b> <b>MD</b> 88:88 Yr M D PM	Current Time	Time(year:month:day:hour:minute)
	Pulse rate	Pulse rate detection during measurement.
	Irregular pulse rate	Appears when detected during a measurement. Refer to page 31 for more information.

SYMBOL	DESCRIPTION	EXPLANATION
	Memory Query	Indicate it is in the memory mode and which group of memory it is.
	User ID	Appears when the monitor is operated by the selected user.
	Triple Mode	Three consecutive measurements with 1 minute interval in between.
	Average sign	The average of the last 3 measurements (within 30 minutes).
	Cuff wearing	The cuff is secured.
	Blood pressure level	Indicate blood pressure level.
	Battery Indicator	Indicate the current battery.
	Powered by adapter	Indicate that the adapter is currently powered.
	Hand shaking	Data is transmitting.
	Data transmitting	Measurement unit of blood pressure.
	Voice icon	Indicates volume level.
	Bluetooth icon	Indicate the bluetooth is working .
	Vivid tips	Keep quiet.
	Vivid tips	Remeasure.
	Vivid tips	Please replace the battery.
	Vivid tips	Device errors.

SYMBOL	DESCRIPTION	EXPLANATION
	Daily Trends	Display daily trend horizontal axis, 1~7.
	Weekly Trends	Display weekly trend horizontal axis, Sunday ~ Saturday.
	Trend display	Display trend graph.

### ♥ Monitor Components



## ♥ List

1. Blood Pressure Monitor  
(BBY36-BT1)

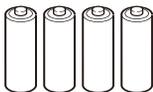


2. Cuff (Type BF applied part)



Upper arm cuff:22~42cm

3. 4×AA Batteries



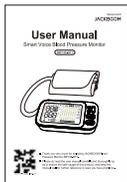
4. TYPE-C USB Cable



5. Storage Bag



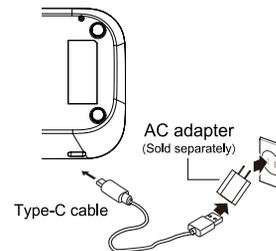
6. User Manual



## ♥ Choice of Power Supply

1. Battery powered mode:  
6V DC 4×AA batteries
2. AC adaptor powered mode:  
5V  $\equiv$  1A (Optional!)  
(Please use the AC adaptor which is authorized by the manufacturer!)

Please unplug the adaptor to depart from the using utility power.

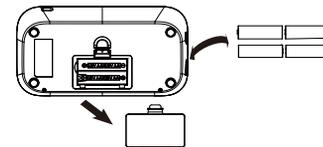


## ⚠ CAUTION

In order to get the best effect and protect your monitor, please use the the right batteries and special power adaptor which complies with local safety standard.

## ♥ Installing and Replacing the Batteries

- Open the battery cover.
- Install the batteries by matching the correct polarity, as shown.
- Replace the battery cover.



Replace the batteries whenever the below happen

- The  $\square$  + bPE  $\square$  shows
- The display is dim.
- The display does not light up

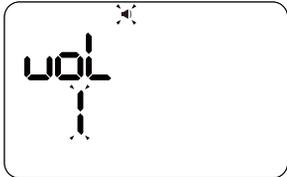
## ⚠ CAUTION

- New and used batteries, or different types of batteries shall not be used together.
- Remove batteries if the device is not likely to be used for some time.
- Do not heat or deform the batteries, or dispose of them in fire.
- Batteries should not be disposed of with household waste.
- Please check with your local authority for battery recycling advice.

## ♥ Setting Voice, Date and Time

It is important to set the clock before using your blood pressure monitor, so that a time stamp can be assigned to each record that is stored in the memory. (The setting range of the year :2024—2054 time format: 12H/24H)

1. Install the battery for the first time or press and hold the “SETTING” button about 3 seconds to enter setting mode.(Voice broadcast: Please follow the voice instructions to complete the setup before measurement)  
It will display the bluetooth symbol  first, then press the “SETTING” button to enter the [Voice] setting(Voice broadcast: Volume setting).  
Press the  or  button to change the Voice volume(Voice broadcast: “volume 1”, “volume 2” or “mute”).



(Voice: volume 1)

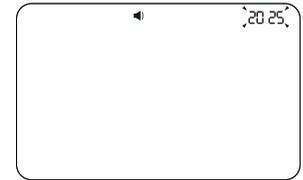
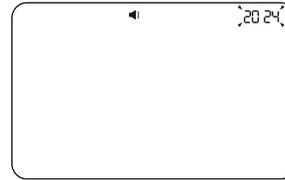


(Voice: volume 2)

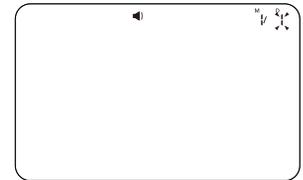
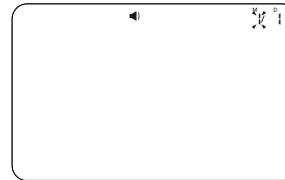


(Voice: mute)

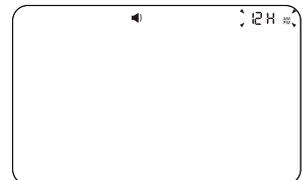
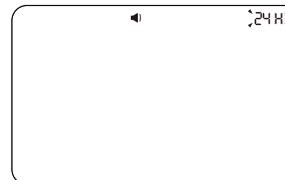
2. Press the “SETTINGS” button to confirm the voice, then the [Year] will flash, press the  or  button to change the year.  
Press and hold the  button to quickly advance the years.  
Press and hold the  button to quickly go backwards through the years.  
(Voice broadcast: Year setting)



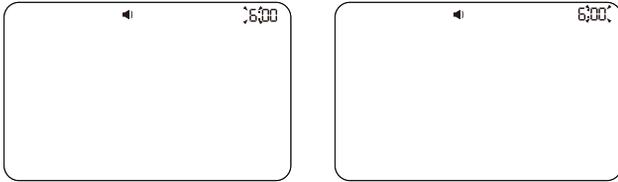
3. Press the “SETTINGS” button to confirm the year, then the [month] will flash. Repeat the same steps to change the month, day.  
(Voice broadcast: Date setting)



4. Press the “SETTINGS” button to confirm the date, then the [time format] will flash. Press the  or  button to change the time format between [24H] and [12H].  
(Voice broadcast: Time format setting)



5. Press the "SETTINGS" button to confirm the time format, then the [hour] will flash. Repeat the same steps to change hour and minute.  
(Voice broadcast: Time setting)



6. After confirming the [Minute], the LCD will display all the settings you have done, and then it will display "do nE" and the device will turn off automatically.  
(Voice broadcast: End Settings)



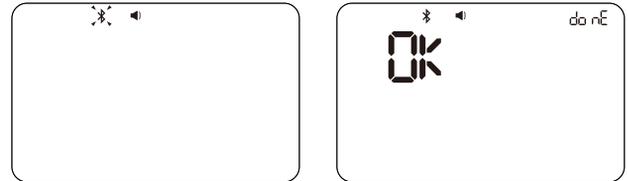
## ♥ Pair a Smart Device with the Monitor

You are the intended operator of this blood pressure monitor. You can measure your blood pressure and then save and send measurement data to a smart device (such as smartphone or tablet) with Bluetooth wireless connectivity and application.

1. Turn on the Bluetooth and the app on your smart device.  
Make sure both are ON when pair-up is proceeding.
2. When the monitor is off, press and hold the "SETTINGS" button to start pair-up, the bluetooth symbol  will flash.  
(Voice broadcast : Please follow the voice instructions to complete the setup before measurement, pairing started, please wait)
3. **If successful**, the bluetooth symbol  will not flash any more the LCD will display "do nE", and enter the [Voice] setting. (Voice broadcast: Paired successfully)

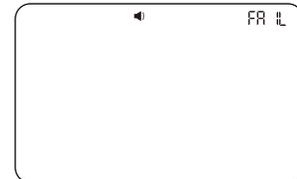
### Note

The date and time on your monitor will automatically be set after paired with your smart device successfully.



(Voice: Paired successfully)

**If unsuccessful** within 60 seconds, it is judged timeout and the monitor will enter the [Voice] setting. (Voice broadcast: Pairing failed)



### Note

Press the SETTINGS button can skip Bluetooth pairing.

Specifications for Bluetooth Transmission		
Bluetooth	Throughput	2.5K-5K
	Latency	50ms
	PER	≤5%
	Operating Frequency	2402-2480MHz
	Transmission Power	0±2dBm
	Transmission Distance	10m

**Note:**

- The necessary Quality of Service (QoS) is fully considered here for wirelessly enabled functions.
- Interference may occur in the vicinity of equipment marked with the following symbol . And BBY36-BT1 may interfere the vicinal electrical equipment.
- Keep the monitor at least 20 centimeters away from the human body (especially the head) when data transmission is proceeding after measurement.
- To enable the data transmission function, this device shall be paired to an appropriate BT mobile terminal.

### Warning

#### About a wireless communication interference

The monitor operates in the unlicensed ISM band at 2.4 GHz. In case it is used around the other wireless devices including microwave and wireless LAN, which operate at the same frequency band as the monitor, there is a possibility that interference occurs between the monitor and such other devices. If such interference occurs, please stop the operation of other devices or relocate the monitor before using it or do not use it around the other wireless devices.

#### List of compatible devices:

For iOS devices: The operating system must be iOS 13.0 or more.

For Android devices: The operating system must be Android 5.0 or more.

### Warning

Failure to comply with the following warnings may cause cybersecurity issues.

- \* **DO NOT** casually use the blood pressure monitor for others, as it may lead to leakage of personal measurement data.
- \* **DO NOT** allow others to log into the APP, as it may lead to leakage of measurement data.
- \* **DO NOT** casually use the APP account for others, as it may lead to leakage of personal measurement data.
- \* **DO NOT** connect the blood pressure at places with poor network or wireless connectivity, as it may interrupt data upload and lead to deficient data.
- \* The password of the APP account should be set as possibly complicated and well kept, for the sake of account security.
- \* Be aware of the environmental security while setting password.
- \* It's recommended to update the password of the APP account at least once every 3 months.
- \* **DO NOT** use the APPs that are not authorized by the manufacturer.

## ♥ Applying the Cuff

Only use a cuff that has been approved by the manufacturer for this device model. Before use, please confirm if it fits your arm circumference.

- 1. Remove all jewelry, such as watches and bracelets from your left arm.**

Note: If your doctor has diagnosed you with poor circulation in your left arm, use your right arm.

- 2. Roll or push up your sleeve to expose the skin. Make sure your sleeve is not too tight.**

- 3. Hold your arm with your palm facing up and tie the cuff on your upper arm, align the Artery indicator  $\Phi$  with the main Artery (on the inside of your arm).**

Note: Locate the main Artery by pressing with 2 fingers approximately 2 cm above the bend of your elbow on the inside of your left arm. Identify where the pulse can be felt the strongest, that is your main Artery!

- 4. Make sure the bottom edge of the arm cuff 2 to 3 cm above the inside elbow. Then wrap the cuff securely.**

Note: The cuff should be snug but not too tight. You should be able to insert one finger between the cuff and your arm.

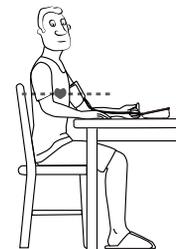
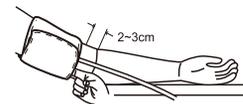
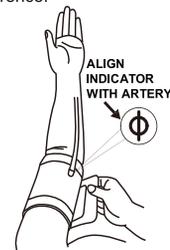
- 5. Sit upright in a comfortable chair with your back against the backrest of the chair. Keep your feet flat and your legs uncrossed.**

Place your arm resting comfortably on a flat table. The cuff worn on your arm should be placed at the same level as your right atrium of the heart.

- 6. Take 5-6 deep breaths and let's start measuring!**

#### Helpful tips:

- Take the measurement in a silent room.
- Rest for 5 minutes before a measurement.
- Wait at least 3 minutes before another measurement. This allows your blood circulation to recover.
- Be relaxed and do not move and talk during the measurement procedure.
- For a meaningful comparison, try to measure under similar conditions. For example, take daily measurements at approximately the same time, on the same arm, or as directed by a physician.



## ♥ Setting a User ID

There are 3 user ID    available. The user  and , each with 250 memory spaces, are designed for 2 different people to save the measured values separately. The user , no memory space, is reserved for guest.

**This Blood Pressure Monitor is not designed with independent user buttons or toggle switches to select users, and uses a composite form of "USER / START/STOP".**

When the monitor is OFF, press the "USER 1 / START/STOP" button, it will be measured by .

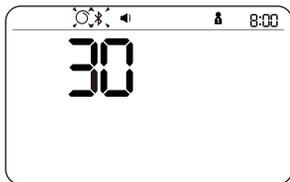
When the monitor is OFF, press the "USER 2 / START/STOP" button, it will be measured by .

When the monitor is OFF, press and hold the "USER 2 / START/STOP" button, it will be measured by . ( Measurement data is not saved )

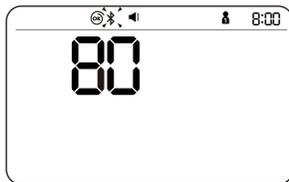
## ♥ Start the Measurement

### A. Single measurement

1. When the monitor is OFF, press the "USER 1 / START/STOP" button, it will finish the whole measurement automatically, save and transmit the measurement data for the selected user. (Take User 1 for example.)

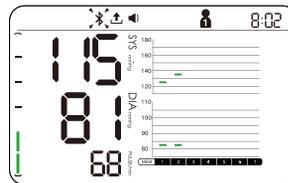


Adjust the zero.  
Cuff wrap detection,  
symbol " 0 " flash



Cuff wrap ok.  
Inflating and measuring.

(Voice: User one, Starting measurement,  
please remain still and quiet.)



Display and save the  
measurement.

(Voice: Your systolic pressure is 115,  
diastolic pressure is 81, Pulse is 68.  
Your blood pressure is normal.)

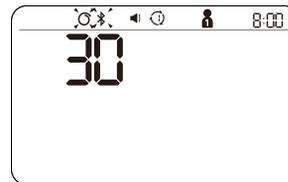


Measurement over range.

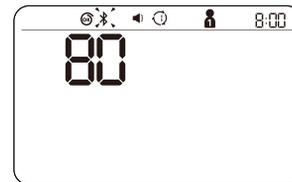
### B. Triple mode measurement

1. When the monitor is OFF, press the "TRIPLE MEASUREMENT" button, it will finish the whole measurement automatically, save and transmit the measurement data for the selected user. (Take User 1 for example.)

After the first and second measurements are completed, there will be no results. After all three measurement is completed, the average results of the three measurements will be displayed.



Cuff wrap detection



Cuff wrap ok.  
Inflating and measuring

(Voice: User one, Starting triple measurement,  
please remain still and quiet.)



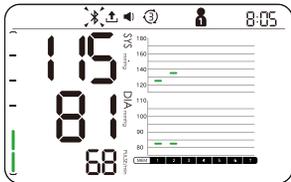
The second measurement  
(60 seconds  
countdown display)

(Voice: Please keep quiet and  
do not move.)



The third measurement  
(60 seconds  
countdown display)

(Voice: Please keep quiet and  
do not move.)



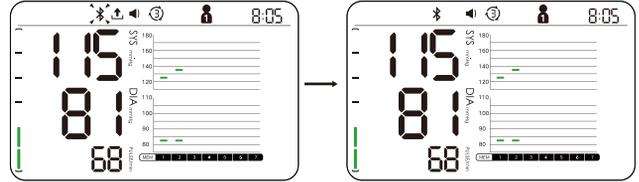
Display and save  
the measurement result

(Voice: Your systolic pressure is 115, diastolic pressure is 81, pulse is 68.  
Your blood pressure is normal.)

2. After the measurement was finished, the bluetooth symbol “” blinks and data transmission starts. (Please connect the app during the transmission)

If data transmission successful, the symbol “” will not blink and “” will disappear, and then the monitor will turn off automatically after about 1 minute.

If unsuccessful within 60 seconds, it is judged timeout and the monitor will shut off.



3. Press “START/ STOP” button to turn off, otherwise it will turn off automatically.

#### Note

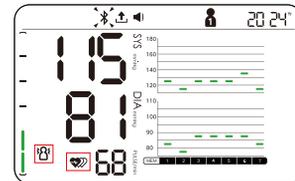
Any time if you want to stop the measurement, you can press the “START/ STOP” button or wait for 30 seconds, and the measurement will stop.

4. About the irregular pulse rate and excessive body motion during the measurement.

- During a measurement, If an irregular pulse rate is detected, the symbol  will display in the measurement result. See page 31 for more information.
- During a measurement, when the excessive body motion, especially of the arm the cuff is worn is detected, the symbol  will flash about 5 seconds and detect again. If it is no longer detected, the symbol will disappear; If still detected, the symbol  will final display in the measurement result.

#### Note

The measured blood pressure reading may not be accurate if this symbol is displayed.

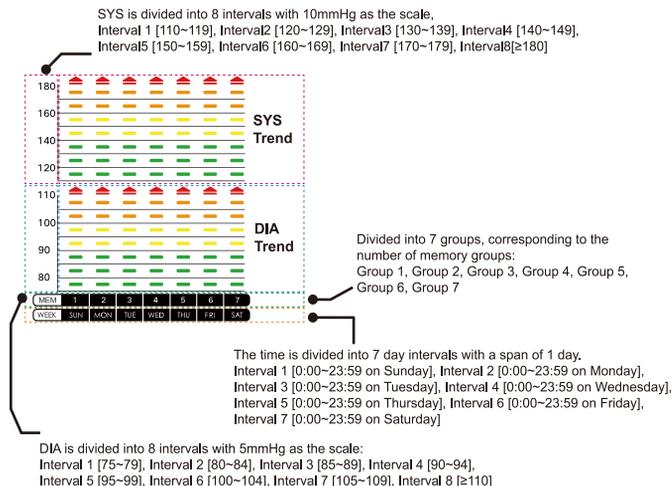


## ♥ Trend Chart Definition

Trend chart definition:

Daily trend definition: Displays the trend of the latest 7 sets of memory data.

Weekly trend definition: Displays the trend of the week from 0:00 on Sunday to 23:59 on Saturday.



### Note

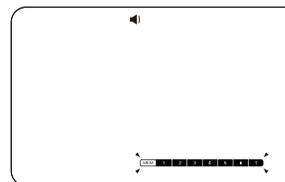
- The average value of all measurement results within the time interval is located in the coordinates.
- Daily trend data follows the memory groups 1 to 7. When group 1 is replaced by the latest measurement data, the data moves to group 2 corresponding to high and low pressure coordinates; and so on. When group 7 is replaced by the previous data, it is removed from the trend chart. (The trend chart only shows the trends of groups 1 to 7 at most)
- Weekly trend data is refreshed and cleared at 24:00 every Saturday.

## ♥ Trend Display

1. When the monitor is off, press the button to change the trend display. (Display daily trends by default)

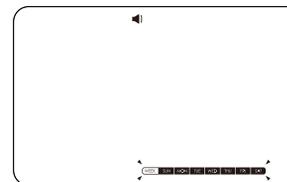
In the trend graph interface, press the button to change between two trend displays. Press the "SETTINGS" button to confirm the selection.

2. Press the button change to Daily trend:



Voice: Daily trend

2. Press the button change to Weekly trend:



Voice: Weekly trend

### Note

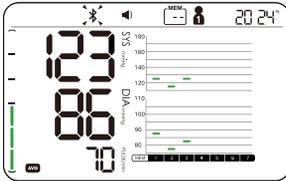
- Press the "USER 1 / START/STOP" button to turn off the monitor, or the monitor will shut off after no operation for 5 seconds.

## ♥ Recall the Records

When the monitor is off, press the “UP” or “DOWN” button to enter user memory mode.

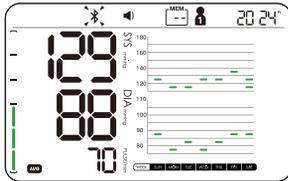
Press the “UP” or “DOWN” button to change the user between USER 1 and USER 2. Press the “SETTINGS” button to confirm the selection. If the user does not press the “SETTINGS” button to confirm, confirmation will be confirmed automatically after 3 seconds.

1. It displays the average of the three measurements within the last 30 minutes, with the average symbol.
- (Take User 1 for example.)



(Voice: User 1, The average value of your last 3 measurements, your systolic pressure is 115, diastolic pressure is 81, pulse is 68)

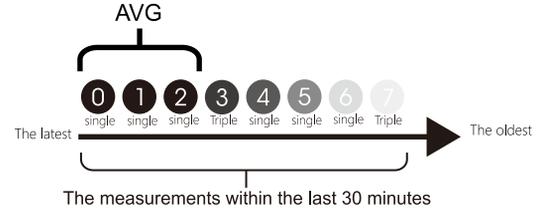
2. Press the  button change to Weekly trend. In the weekly trend display, the left side shows the average value of all data for this week.



(Voice: User 1, The average value of your measurements in this week, your systolic pressure is 129, diastolic pressure is 88, pulse is 70)

### Note

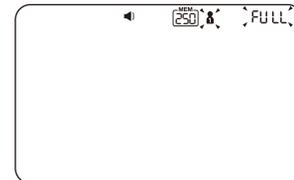
- If there are not enough 3 records within 30 minutes, after entering the memory mode, the most recent measurement record will be directly displayed.



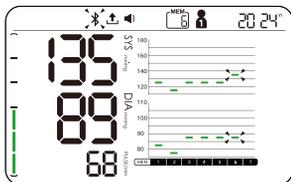
2. Pressing the  button, it displays the oldest record.
- (Voice broadcast : Memory XXX, Your systolic pressure is XXX, diastolic pressure is XXX, pulse is XX)

### Note

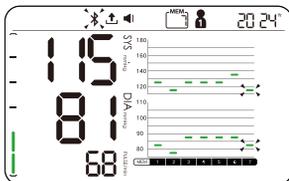
- Each new measurement is assigned to the first (1) record. All other records are pushed back one digit (e.g., 2 becomes 3, and so on), and the last record (250) is dropped from the list.



3. Press the  $\wedge$  or  $\vee$  button to change the record.

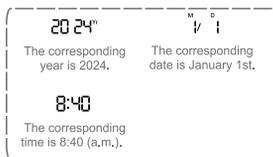


The current record is Group 6.



The current record is Group 7.

Date, Time and Year will display alternately.



## ♥ Delete the Records

If you did not get the correct measurement, you can delete results by following steps below.

**A: To delete a single measurement:**

I. Enter the memory recall mode as described in section [Recall the Records]. Press the  $\wedge$  or  $\vee$  button to get the measurement you would like to erase.

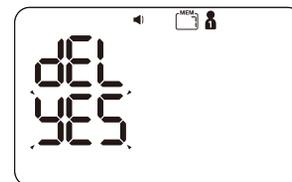
II. Press and hold  $\wedge$  button for about 3 seconds, and the display will show a blinking "dEL no". (Voice broadcast: Delete current data)

III. Use the  $\wedge$  or  $\vee$  button to switch between "dEL yES" and "dEL no". Press "SETTINGS" button to confirm the selection.

If "dEL yES" is selected, the unit will delete the current record and will display "do nE" + User ID, after then it will return to last memory record and all the records are pushed forward one digit (e.g., 03 becomes 02, and so on). If "dEL no" is selected, it will stop the deletion.



"dEL no" blinks  
(Voice: Canceled)



"dEL yES" blinks  
(Voice: Deleted)



Deletion is done

**B: To delete all measurements:**

1. Enter the memory recall mode as described in section [Recall the Records].  
2. Press and hold  $\wedge$  and "USER 1+START/STOP" button for 3 seconds, and the display will show a blinking "dEL no" along with the user ID. (Voice broadcast: Delete all data)

3. Use the  $\wedge$  or  $\vee$  button to switch between "dEL yES" and "dEL no", Press "SETTINGS" button to confirm the selection.

If "dEL ALL" is selected, the unit will display "do nE" + User ID, and delete all the record of the current user. Several seconds later, it will display "—".  
 If "dEL no" is selected, it will stop the deletion.



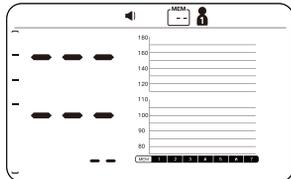
"dEL no" blinks  
 (Voice: Canceled)



"dEL YES" blinks  
 (Voice: Deleted)



Deletion is done



No record

## ♥ Tips for Measurement

Measurements may be inaccurate if taken in the following circumstances.



Within 1 hour  
 after dinner or drinking



Immediate measurement  
 after tea, coffee, smoking



Within 20 minutes  
 after taking a bath



When talking or moving your fingers



In a very cold environment



When you want to discharge urine



## ♥ Maintenance

In order to get the best performance, please follow the instructions below.

### 1. Cleaning Process:

- Step 1: Make sure to switch off and unplug the device prior to cleaning.
- Step 2: Use a soft cloth wetted with soapy water to clean the cuff first, and then use a soft cloth wetted with clear water to remove residual soap until there is no visible residual contaminants. Attention shall be paid to avoid liquid invasion into the cuff.
- Step 3: Use a dry soft cloth to wipe the cuff, in order to remove residual moisture.
- Step 4: Dry the cuff at a well-ventilated place after cleaning.

### 2. Disinfection Process:

- Step 1: Make sure to switch off and unplug the device prior to disinfection.
- Step 2: Use a soft cloth wetted with 70% isopropanol to disinfect the cuff for about 3 minutes. Attention shall be paid to avoid liquid invasion into the cuff.
- Step 3: Use a clean dry cloth or towel to wipe off the disinfectant until there is no visible residue.
- Step 4: Dry the cuff at a well-ventilated place after disinfection.

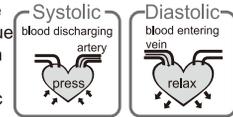
### • Suggestion:

Frequency of Cleaning and Disinfection:

For single patient multiple use, it's recommended to clean the device surface once a month or whenever it's necessary.  
 For multiple patient multiple use, it's recommended to clean the device every time before and after usage. Maintenance procedures shall be taken as per instruction.

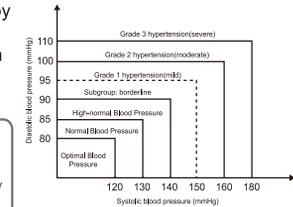
## ♥ What are systolic pressure and diastolic pressure?

When ventricles contract and pump blood out of the heart, the blood pressure reaches its maximum value in the cycle, which is called systolic pressure. When the ventricles relax, the blood pressure reaches its minimum value in the cycle, which is called diastolic pressure.



## ♥ What is the standard blood pressure classification?

The blood pressure classification published by World Health Organization (WHO) and International Society of Hypertension (ISH) in 1999 is as follows:



### ⚠ CAUTION

Only a physician can tell your normal BP range. Please contact a physician if your measuring result falls out of the range. Please note that only a physician can tell whether your blood pressure value has reached a dangerous point.

Level \ Blood Pressure (mm Hg)	Optimal	Normal	High-normal	Mild	Moderate	Severe
SYS	<120	120-129	130-139	140-159	160-179	≥180
DIA	<80	80-84	85-89	90-99	100-109	≥110

## ♥ Irregular Pulse Rate Detector

An irregular pulse rate will be detected if there is an irregular pulse rhythm while measuring systolic and diastolic blood pressure. When measurements were performed, the monitor will record all pulse intervals and calculate the average. If two or more pulse intervals were recorded, and the difference between each interval and the average is larger than ±25% of the average; or if four or more pulse intervals were recorded, and the difference between each interval and the average is larger than ±15% of the average value, the irregular pulse symbol will be displayed along with measurement results.

### ⚠ CAUTION

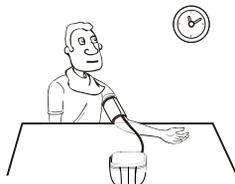
The appearance of the IPR icon indicates that a pulse irregularity consistent with an irregular pulse rate was detected during measurement. Usually this is NOT a cause for concern. However, if the symbol appears often, we recommend you seek medical advice. Please note that the irregular pulse rate detector results cannot be used directly for clinical judgment. Please seek medical advice from professionals before making any medical decisions.

### ♥ Why does my blood pressure fluctuate throughout the day?

1. Individual blood pressure varies multiple times everyday. It is also affected by the way you tie your cuff and your measurement position, so please take the measurement under the same conditions.

2.If the person takes medicine, the pressure will vary more.

3.Wait at least 3 minutes for another measurement.

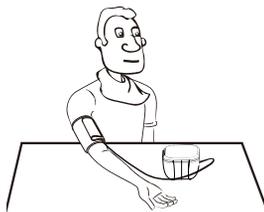


What you need to pay attention to when you measure your blood pressure at home:

- If the cuff is tied properly.
- If the cuff is too tight or too loose.
- If the cuff is tied on the upper arm.
- If you feel anxious.
- Taking 2-3 deep breaths before beginning will be better for measuring.
- Advice: Relax for 4-5 minutes until you calm down.

### ♥ Is the result the same if measuring on the right arm?

It is ok for both arms, but there will be some different results for different people. We suggest you measure the same arm every time.



If any abnormality arises during use, please check the following points:

PROBLEM	SYMPTOM	CHECK THIS	REMEDY
No power	Display can not light up.	Batteries are depleted.	Replace with new batteries.
		Batteries are inserted incorrectly.	Insert the batteries correctly.
High Battery	bAt H shows	The battery is too high.	Replace with the correct DC plug.
Low Battery	bAt Lo&  shows	The battery is too low.	Replace with new batteries.
Error message	E1 shows	The cuff is not wrapped or wrapped incorrectly, or the cuff air plug is loose.	Refasten the cuff and insert air tube plug correctly then measure again.
	E2 or  shows	Excessive body motion (such as shaking of the arm with the cuff on) or weak Pulse is detected.	Relax for 5 minutes. and then keep still, measure again.
	E3 shows	Pulse is not detected during measuring.	Loosen the clothing on the arm and measure again.
	E4+EEEx shows	Device failure. (X can be some digital symbol, such as 01, 02, etc., if this similar situation appear, all belong to device failure.)	Retake the measurement.If the problem persists, contact the retailer or our customer service department for further assistance. Refer to the warranty for contact information and return instructions.
Warning message	out shows	Out of measurement range	Relax for a moment and then measure again. If the problem persists, contact your physician.

NOTE: If the product still does not work, contact Customer Service. Under no circumstance should you disassemble or attempt to repair the unit by yourself.

<b>Power supply</b>	Battery powered mode: 6V DC 4×AA batteries AC adaptor powered mode: 5V $\pm$ 1A (Optional!) (Please only use the recommended AC adaptor model).
<b>Display mode</b>	Digital LCD V.A. 124 × 76 mm
<b>Measurement mode</b>	Oscillographic testing mode
<b>Measurement range</b>	Rated cuff pressure: 0mmHg~299mmHg Measurement pressure: SYS: 60mmHg~230mmHg (8.0kPa~30.7kPa) DIA: 40mmHg~130mmHg(5.3kPa~17.3kPa) Pulse value: (40-199)beat/minute
<b>Accuracy</b>	Static Pressure: 5 C~40 C within $\pm$ 3mmHg Pulse value: $\pm$ 5% Clinical validation: Mean difference within $\pm$ 5mmHg; Standard deviation $\leq$ 8mmHg
<b>Normal working condition</b>	A temperature range of: +5°C to +40°C A relative humidity range of 15% to 90%, non-condensing, but notrequiring a water vapour partial pressure greater than 50 hPa An atmospheric pressure range of 700 hPa to 1060 hPa
<b>Storage &amp; transportation condition</b>	Temperature:-20°C to +60°C A relative humidity range of $\leq$ 93%, non-condensing, at a water vapour pressure up to 50 hPa An atmospheric pressure range of 500 hPa to 1060 hPa
<b>Measurement perimeter of the upper arm</b>	About 22~42cm
<b>Weight</b>	Approx.390g (Excluding the batteries and cuff)
<b>External dimensions</b>	Approx.191.4 × 103.4 × 53.8 mm
<b>Attachment</b>	4×AA batteries,Type-C USB cable, User manual
<b>Mode of operation</b>	Continuous operation
<b>Degree of protection</b>	Type BF applied part
<b>Protection against ingress of water</b>	IP21 It means the device could be protected against solid foreign objects of 12,5mm $\Phi$ and greater, and against vertically falling water drops.
<b>Device Classification</b>	Battery Powered Mode: Internally Powered ME Equipment AC Adaptor Powered Mode: Class II ME Equipment
<b>Software Version</b>	A01
<b>Expected Lifetime</b>	Device: 5 years or 30,000 measurements (may vary based on usage conditions) Cuff: 10000 times Alkaline battery: About 200-300 times AC adaptor: 35000 hours
<b>Types of use/reuse</b>	Multiple patient multiple use

## ♥ Authorized Component

Please use the TRANSTEK authorized adapter. (Sold separately!)

Adapter  
Model: HNEM050100U  
Input: 100-240V, 50-60Hz, 0.2A max  
Output: 5V  $\pm$  1A

## ♥ Contact Information



**Email: [Jackboom-sup@outlook.com](mailto:Jackboom-sup@outlook.com)**

If you encounter any problems during operation, please feel free to contact us.

**Manufactured by:** Guangdong Transtek Medical Electronics Co., Ltd.

**Company:** Guangdong Transtek Medical Electronics Co., Ltd.

**Address:** Zone A, No.105, Dongli Road, Torch Development District, 528437 Zhongshan, Guangdong, China

## ♥ EMC Guidance

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments.

Essential performance:

Accuracy of measuring blood pressure and pulse rate

Measurement Range	Systolic pressure: 60~230 mmHg Diastolic pressure: 40~130 mmHg Pulse: 40~199 beats/minute
Rated Cuff Pressure	0~299 mmHg (0~39.9 kPa)
Accuracy	Pressure: $\pm 3$ mmHg / 0.4 kPa
Laboratory reproducibility	$\leq 3$ mmHg

The Basis Safety of the Blood Pressure Monitor (BBY36-BT1) is as following:  
Deviation from normal operation that poses an unacceptable risk to the patient or operator.

Warning: Don't be near the active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Technical description:

1. All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to electromagnetic disturbances for the expected lifetime.
2. Guidance and manufacturer's declaration-electromagnetic emissions and Immunity.

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions	
Emissions test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class [ B ]
Harmonic emissions IEC 61000-3-2	Class A
Voltage fluctuations / flicker emissions IEC 61000-3-3	Comply

Table 2

Guidance and manufacturer's declaration – electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV signal input/output 100 kHz repetition frequency	±2 kV for power supply lines Not applicable 100 kHz repetition frequency
Surge IEC61000-4-5	±0,5 kV, ±1 kV differential mode ±0,5 kV, ±1 kV, ±2 kV common mode	±0,5 kV, ±1 kV differential mode
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0% Ut; 0,5 cycle. At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°. 0% Ut; 1 cycle and 70% Ut; 25/30 cycles; Single phase: at 0°. 0% Ut; 250 / 300 cycle	0% Ut; 0,5 cycle. At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°. 0% Ut; 1 cycle and 70% Ut; 25/30 cycles; Single phase: at 0°. 0% Ut; 250 / 300 cycle
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz / 60 Hz	30 A/m 50 Hz / 60 Hz
Conducted RF IEC61000-4-6	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80% AM at 1 kHz	3 V 0,15 MHz – 80 MHz 6 V in ISM and amateur radio bands between 0,15 MHz and 80 MHz 80% AM at 1 kHz
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz

NOTE Ut is the a.c. mains voltage prior to application of the test level.

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity								
	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430-470	GMRS 460, FRS 460	FM ± 5k Hz deviation 1 kHz sine	2	0,3	28	28
	710	704-787	LTE Band 13, 17	Pulse modulation 217 Hz	0,2	0,3	9	9
	745							
	780							
	810	800-960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0,3	28	28
	870							
	930							
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4,25; UMTS	Pulse modulation 217 Hz	2	0,3	28	28
	1845							
	1970							
	2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0,3	28	28
	5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0,2	0,3	9	9
5500								
5785								

## ♥ FCC Statement

### FCC ID: OU9BBY36-BT1

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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance 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.

### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Responsible Party

Name: MIO LABS INC.

Address: KCH, 575 Lexington Ave 14F New York, NY 10022

Telephone: 301-910-0529

E-mail: Jackboom-sup@outlook.com