

maxell

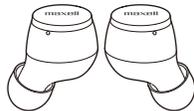
Bluetooth® Wireless Earphone MXH-BTW510

User Manual

Thank you for purchasing this MAXELL product. Before use, make sure to read this Instruction Manual and use the product correctly and safely.

Contents of the package

Main Unit (L x 1pc、R x 1pc) Earpieces (S/M/L 2pcs each)
* M is attached to the main unit



Charging Case



Charging Cable
(USB-A-USB Micro-B approx. 45cm) x 1pc



User Manual
(This Document)

1 Introduction

About the user manual

- This Instruction Manual may be subject to change without prior notice.
- In order to improve the product, external appearance or part of the specifications may be subject to change without prior notice.

Disclaimer (See the warranty certificate for details of the warranty.)

- Maxell shall not be responsible for any damage caused by fires, earthquakes, action of a third party, any accidents, intended or unintended misuse or other usage under abnormal conditions.
- The warranty stated in the warranty certificate is all we warrant, and we do not warrant anything except for this warranty including express warranty and implied warranty.
- Maxell shall not be responsible for failure due to any damage caused by usage other than described in the instruction manual.
- This product is not being designed to be any equipment or device which could be concerned with human life such as medical device, nuclear device, astronomical device, transportation device etc., nor equipment or devices which requires high reliability. In case this product is used for the above equipment and or systems, Maxell do not responsible for any injuries or fire accident cause by the failure of this product.
- This product is Japanese specification. We assume no responsibility if use outside Japan.

2 Safety Caution

Please strictly follow

	Danger If it is handled incorrectly, the user may suffer death or severe injury ^{*1} and the urgency is high.
	Warning If it is handled incorrectly, it is assumed that the user may suffer death or serious injury ^{*1} .
	Caution If it is handled incorrectly, it is assumed that the user may suffer minor injury ^{*2} or there is a possibility that property damage ^{*3} may occur.

*1: Severe injury is indicated by those that have after effects such as blindness, injury, burns (high temperature burns/low temperature burns, chemical burns), electric shock, fracture, poisoning, etc. and those requiring hospitalization or long-term regular hospital visits for treatment.

*2: Minor injury refers to hurt, burnt, electric shock, etc. which do not result in hospitalization or long-term follow-up consultation.

*3: Property damage refers broad damages to houses or properties and domestic animals/ pets.

Examples of Symbol		△ stands for caution to fire, explosion, high temperature when handling the product. Details will be illustrated inside the symbol.
		⊘ stands for prohibited actions when handling the product. Details will be illustrated inside or next to the symbol or with written description next to it.
		● stands for instruction which must be followed. Details will be illustrated inside or next to the symbol or with written description next to it.

Danger

Take power only from the USB port	
When charging, please use USB port of computer etc. or USB adapter. Using other power exceeding USB rating may result in heat generation, ignition, failure, electric shock or injury.	
Do not touch leaked liquid	
Please do not touch the leaked liquid. If liquid leaks from this device and gets into the eye, do not rub. Rinse with plenty of clean water immediately and consult a doctor. It may cause blindness.	

Warning

Do not use while driving a car, motorcycle, a bike, etc.	
May cause traffic accident as hard to hear surroundings.	
Do not use at locations where it will be dangerous if surrounding sounds cannot be heard	
Even while walking, using it in where it will be dangerous if surrounding sounds cannot be heard (such as railway crossings, crosswalks, station platforms, roadways, construction sites, etc.) can cause unexpected serious accidents.	
Do not use in locations where the use of wireless devices is prohibited	
Radio waves may affect cardiac pacemakers and medical equipment. Please do not use in areas where use of wireless equipment is prohibited such as in hospitals or priority seat of trains etc.	
Store properly at places out of children's reach	
Please make sure that small children will not swallow it by accident. In case of accident, seek medical attention immediately.	
Do not place in direct sunlight or where the temperature is too high	
The surface of equipment and parts may deteriorate, result in causing fire. Please take extra care in closed automobile in summer, or it is under direct sunlight or near a stove.	
Do not put into fire	
This may result in heat generation, ignition, breakage, leakage.	
Do not put into water	
This may cause fire or electric shock.	
Do not repair, alter or disassemble these parts	
Fire, electric shock, injury may occur.	
Turn off the power in case of abnormality	
If smoke or strange smell or sounds comes out, or water or foreign object gets inside, or the product is dropped, please turn off the power immediately. Furthermore, if it is being charged via USB, unplug the USB connection. Continued usage may cause heat generation, ignition, malfunction, electric shock, etc.	
If the charging is not completed even after exceeding the predetermined charging time, stop charging	
It may cause leakage, overheating, fire or breakage.	

Caution

Do not increase the volume too much	
Continuously listening to loud volume can result in overstimulation of ears for an extended period of time. It may affect the hearing. Furthermore, if the volume is raised too much from the beginning, the sudden loud sounds may harm ears. Before using, please reduce the volume of the connected device.	
Discontinue use when it does not fit your skin	
Continued usage may cause irritation or rash. If you feel an abnormality, please discontinue use and seek medical attention.	
Do not force the earphones into your ear	
It may hurt your ear hole.	
Charge and use within the temperature range of 5~40°C	
Charging and using at temperatures outside this range may cause leakage, overheating, breakage, or malfunction.	
Make sure the USB connector does not get dusty	
Please remove dust and dirt regularly. Otherwise it may cause overheating or fire.	

Note on wireless use

This device uses 2.4 GHz frequency band. This frequency band is also used by internal radio stations (radio stations that requires a license), specific low-power radio stations (radio stations that do not require a license) and amateur radio stations (radio stations that requires a license) for moving object identification that are used in industrial, scientific, and medical equipment such as microwave ovens as well as factory manufacturing lines.

1. Before using this device, make sure that any internal radio station, any specific low power radio station or any amateur radio station for moving object identification are not operated nearby.
2. In the unlikely event of radio interference to an internal radio station for moving object identification from the device, immediately change the location of use or stop the emission of radio waves.
3. In addition, when any troubles arise such as radio interference to a specific low-power radio station or an amateur radio station for moving object identification from this unit happened, please contact our company's "Customer Service Center".
4. This unit is certified as a low-power data communication system based on the Radio Law. Therefore, you do not need a wireless station license to use this machine. However, it is prohibited to disassemble, remodel or erase the certification making on the product.
5. Please do not use in areas where use of mobile phone and wireless equipment is prohibited such as in hospitals or priority seat of trains etc.

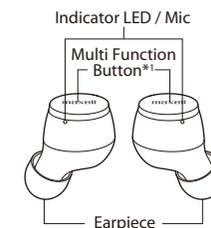


This radio equipment uses the 2.4 GHz band. The FHSS modulation method is adopted as the modulation method, and the interference distance is 10 m.

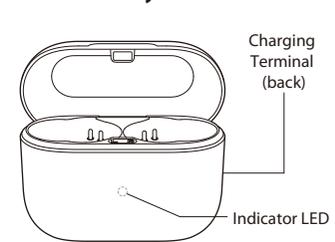


3 Name of Each Part

Main Unit



Battery Case



*1: The multi function button is a touch sensor. Please operate by touching directly with the pad of your finger. It cannot be operated with gloves on. Please remove and operate. When handling the main unit, please note that unintended operation may occur if your finger touches the multi-function button.

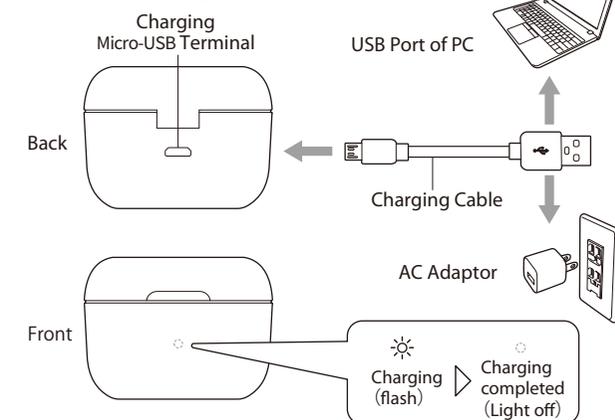
4 Preparation

This product has a built-in lithium ion battery. After purchase, please charge before use.

<Charging the charging case>

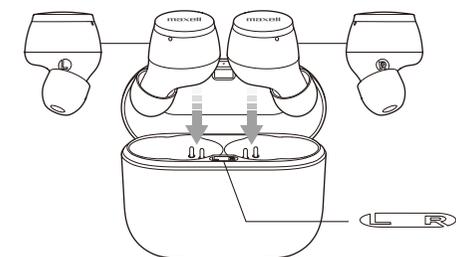
1. Connect the supplied USB charging cable to the charging case and the USB port of PC or USB adapter.
2. Charging of the charging case starts and indicator LED flashes.
3. Charging is completed when the indicator LED turns off. (Charging time: approx. 3hrs)
4. Remove the charging USB cable.

Connection diagram



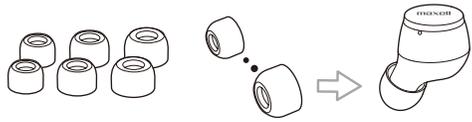
<Charging the main units>

1. Place the main units into the charging case. Align the L and R display of the main units to the corresponding indication in the charging case for charging.
2. The indicator LED on and charging starts.
3. Charging is completed when the indicator lights on the main units go out. (Charging time: approx. 2hrs)



- ※ Please do not use other cables except the supplied cable for charging.
- ※ Please use 5V DC power supply based on USB standard for a USB port.
- ※ Charging time varies depending on the battery level. If the charging lamp turns off immediately, the battery is fully charged.
- ※ If the battery is not used for a long period of time, charge it at least every 6 months. Self-discharge may cause complete discharge and may become unable to charge.
- ※ Lithium ion battery is a consumable item. The usage time will reduce with use. If the usage time becomes extremely short, it indicates the end of battery life.
- ※ Calls and playback will not work while charging.
- ※ When the battery level of the main units become low, the guidance sound "battery low" will be announced from the unit.

<Choosing an earpiece>



At the time of purchase, size M earpiece are attached to the main unit. If size M does not fit your ears, please replace with the size S or size L earpiece in the contents. If the earpiece does not fit correctly, it will not be possible to seal the ear hole with the earpiece, which may cause sound leakage and no bass to be heard. Also, if you feel that the volume is low, there is a possibility of sound leakage.

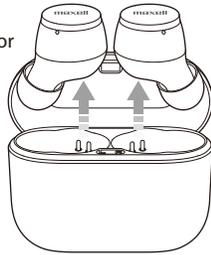
5 How to Use

<Pairing and connecting>

In order to use this product, it is necessary to pair with your device. Once pairing is done, you can connect without pairing again.

- When the main units are removed from the charging case, the main units power turns on automatically, and the indicator LED starts flashing.
- After a while, the LED of the main unit (L) starts to flash red and blue alternately.^{*1} The LED of The main unit (R) will flash slowly in blue.
- Enable Bluetooth function on your Bluetooth device.
※ For details on setting, please refer to the instruction manual of the device.
- Please select "MXH-BTW510" from the list displayed on your Bluetooth device.
- When pairing is completed, the blue indicator LED flashes slowly.

- *1: When pairing is performed for the first time after purchase, it will be in pairing mode immediately after the power is turned on. When pairing the second or subsequent devices, it will be in pairing mode approx. 15 second after the power is turn on.



<Connection after the second time onward>

- When the main units are removed from the charging case, the main units' power turns on automatically, and the indicator LED start flashing.
- Activate Bluetooth on your Bluetooth device.
- The earphone will connect automatically.^{*2} After connect, the display lamp will flash blue slowly.

- *2: If it does not connect automatically, please select "MXH-BTW510" from the list displayed on your device.

Caution

- Pairing mode lasts for approximately 3 minutes, and if it is not paired during that time, the power will OFF.
- Password^{*3} input may be requested by your Bluetooth device. In that case, you can pair it by entering "0000".
- This product can simultaneously store up to 7 paired Bluetooth devices. When more than 8 pairings are attempted, the information of the 1st stored Bluetooth device is erased and is replaced by the newly paired device. If you want to use a Bluetooth device whose information has been erased, please pair it again.

- *3: Password may be called passcode, passkey, PIN code, etc.

<How to operate>

Common function

Function	Operation	Display Lamp	Guidance Sound
Power On	Remove the main units from the charging case	Main unit L: Blue light flashes Main unit R: Blue light flashes slowly	Power On
Power OFF	Place the main units into the charging case	Main unit LR: Red light ON	Power OFF
	Or, press and hold the multi function button for approximately 6 seconds	Main unit LR: Blue light and Red light flash alternately, then red light turns on and off	

Pairing Mode	<The 1st Device> Remove the main unit from the charging case, it will be in pairing mode immediately	Main unit L: Blue light flashes → Blue light and Red light flash alternately Main unit R: Blue light flash slowly	Power ON Pairing Mode
	<The 2nd or subsequent devices> Remove the main unit from the charging case, It will be in pairing mode in about 15 seconds. Or, after taking out the main unit, Press and hold the multi button of main unit L for about 3 seconds.		
Pairing complete	Pair this product from your Bluetooth device. Please refer to <Pairing and connecting>	Main unit LR: Blue light flashes slowly	Connected
Connect	After pairing is completed, automatically connects if Bluetooth of your Bluetooth device is enabled ^{*4}	Main unit LR: Blue light flashes slowly	Connected
Disconnect	Disconnect the product from your device (or disable Bluetooth)	Main unit L: Blue light flashes Main unit LR: Blue light flashes slowly	Disconnected

*4: If it does not connect automatically, please select "MXH-BTW510" from the

Caution After approx. 3 minutes without Bluetooth connection, the power will turn off automatically.

Music Playback

Function	Operation
PLAY / PAUSE	Press the multi function button on the main unit L or R to operate play and pause
Volume UP / DOWN	This operation cannot be done with this product. Operate with the connected device
Next song (skip to the next song)	Press the multi function button on main unit L or R twice in succession
Previous song (return to the beginning of the currently playing song ^{*5})	Press the multi function button on main unit L or R three times in succession

*5: If the button is pressed at the beginning of the song, it will skip to the previous song.

Caution Depending on your device, the operation may different or may not be available.

Hands free call

Function	Operation
Receiving a call	Press the multi function button on the main unit L or R when receiving a call
Ending a call	Press the multi function button on the main unit L or R during a call
	The other party disconnects the call

Caution Depending on your device, the operation may different or may not be available.

6 Troubleshooting

The power does not turn on	<ul style="list-style-type: none"> Insert the main units into the charging case and remove them from the charging case Please charge the product
No sound	<ul style="list-style-type: none"> Please pair and connect Bluetooth Power is not turned on. Put the main unit in the charging case and take it out Check to see if the connected device supports Bluetooth profile A2DP Check if the connected device is playing Please increase the volume of the Bluetooth device slowly
Sound is distorted or interrupted	<ul style="list-style-type: none"> Please reduce the volume of the connected device and this unit Please turn off the functions such as bass boost of connection device Remove any obstacles between the connection device and this unit Keep the connection device close to this unit Please keep away from radio equipment or microwave ovens
Cannot hear the voice on the phone	<ul style="list-style-type: none"> Please press the multi function button to receive the call Make sure that the Bluetooth device supports HSP
Unable to charge	<ul style="list-style-type: none"> Insert the charging cable to the charging terminal completely Remove the main units from the charging case and place the main units in again Remove dirt from the main units and charging case contacts Charge within the charge temperature range (5°C to 40°C)

If the problem does not improve, please reset the main units. When the main units are reset, all paired device information is erased and it will be in the state at the time of purchase. Please pair again.

- Put the main unit L and R in the charging case.
- Press and hold the multi function buttons of the main unit L and R for approximately 13 seconds, and release when the blue indicator LED flashes.
- Remove the main unit L and R from the charging case.
- Please carry out pairing according to the procedure in 5 How to Use <Pairing and connecting>.

7 Specification

General specification	Type	Sealed dynamic type	
	Driver unit	Diameter 6mm	
	Audio frequency response	20~20,000Hz	
	Power supply	Built-in rechargeable lithium ion battery	
	Using time	Continuous playback: approx. 7 hours, Continuous standby: approx. 160 hours.	
		Charging case charge main units for approx. 2 times ^{*1}	
	Charging time	Main Unit: Approx. 2 hours	
Charging Case: Approx. 3 hours			
Waterproof level	IPX5 (Excluding the charging case)		
Weight	Main Unit: Approx. 4g x 2 Charging Case: Approx. 24g		
Accessories	Earpieces (S/M/L 2 units each)		
	※ M size are attached to the main units. Charging cable (USB-A-USB Micro-B approx. 45cm) x1, instruction manual, Quick start guide		
Wireless specification	Communication method	Bluetooth® Ver.5.0	
	Communication distance	Max. 10m	
	Supported profile	A2DP, AVRCP, HFP, HSP	
	Supported codecs	SBC, aptX™	
	Supported content protection	SCMS-T	
	Multi-pairing	Max. up to 7 units	

*1: When the main units and the charging case are fully charged, the max. playback time is 21 hours, where 1 time by the charged main units and 2 times by charging from the charging case. Total 3 times.

※ Specifications and appearances are subject to change without prior notice for improvement.

※ This device has a lithium ion battery built in. Usage time and battery charging time are based on our test results. It depends on the usage environment.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Maxell Asia, Ltd. is under license. The names, logos, and service marks are registered trademarks and trade names of maxell or their respective owners.

Qualcomm® aptX™ audio is a product of Qualcomm Technologies International, Ltd. aptX™ is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries, used with permission. Qualcomm® is a trademark of Qualcomm Incorporated, registered in the United States and other countries, used with permission.

8 Discard This Product

⚠ Caution Disposal of rechargeable batteries in Japan

The built-in rechargeable battery can be recycled. Do not remove the rechargeable battery yourself, please contact our Customer Service Center. Please refer to the JBRC website for information on rechargeable battery collection / recycling and recycling partners.



Li-ion 00

Maxell, Ltd.

30-13 Motoyoyogi-Cho, Shibuya-Ku, Tokyo 151-8527

<http://www.maxell.co.jp>