

BR-20



P/No:6311-BR2-02B

Bluetooth Handset & Voice Recorder User's Manual Bluetooth 3.0+EDR

Put a heavy mobile phone in your pocket and talk with BR-20 as a light handset and record the conversation automatically



FCC ID:TG7BR-20 007-AD0010

- * The specification and appearance of this product can be changed without prior notice for quality improvement.
- * Please read user's manual and understand all functions before use.
- * Please keep the warranty card after writing down purchasing date and purchasing place.

Made in KOREA

Specification

Item	Specification				
Bluetooth version	Bluetooth V3.0 + EDR				
Supported Profile	Headset profile, Handsfree profile				
Wireless using distance	Max 10M				
Frequency range	2.402 ~ 2.480 GHz				
Hours of battery use	VOICE				
	general recording	Playback	call & recording	continuous call	call standby
	XHQ:about 16 hours				
	HQ:about 20 hours	about 5 hours	about 5 hours	about 9 hours	about 360 hours
	SP:about 20hours				
Recording time	8GB	16GB	32GB		
	XHQ:about 144 hours	XHQ:about 288 hours	XHQ:about 576 hours		
	HQ :about 288 hours	HQ :about 576 hours	HQ :about 1152 hours		
SP :about 576 hours	SP:about 1152 hours	SP:about 2304 hours			
Charging time	about 2 hours				
Dimension / Weight	20mm(W) x 113mm(H) x 11.5mm(D) / 20.5g				
External input power	DC 5V, 0.5A				
Using condition	temperature: 0°C ~ 40°C, humidity: 5 ~ 85%				

Warranty Card

1. This product is manufactured through the strict quality control and testing process.
 2. The breakdown occurred under normal use within warranty period shall be repaired free of charge within one year.
 3. In case that product breakdown is occurred, please contact the place where you purchase product.
 4. Even within the warranty period, the cases relevant to the charged service of warranty card shall be charged at real cost.
- * Charged service**
- Defect caused by careless use.
 - Defect caused by user's internal modification.
 - Defect caused by natural disasters like fire, salt damage, flood, earthquake, etc.
 - Defect out of warranty period.

Product Name	Bluetooth Handset & Voice Recorder		
Model No	BR-20		
Purchasing Date	Warranty Period	1 Year	
Purchasing Place			
Telephone No.			
Others			
Customer	Name		
	Address		
	Tel.		

Caution for safety

- *Please read the following caution carefully for safety use.
- *Please understand that manufacturer is not responsible for the damage caused by the use of this device and for the claims of third party.
- *Please understand that manufacturer is not responsible for the damage from the loss of recordings caused by breakdown, repair, other reasons.
- *Please do not use it for illegal purpose, or you could be punished.

Caution & Warning for main body

Warning

- *Please do not repair, decompose, remodel it at the discretion of user, or that could be the cause of fire or breakdown.
- *Please do not use it at high or low temperature, or that could be the cause of fire or breakdown due to short circuit by dew condensation.
- *Please do not leave it alone at place where there is much moisture or where oil touches, or that could be the cause of fire and breakdown.
- *Please turn off the power at the area of explosion risk.
- Please observe regulation, instruction, sign within explosion risk area.
- *Please do not touch product or power plug with wet hand, or that could cause electric shock.

Caution

- *Please do not drop it or give a shock, or that could be the cause of breakdown.
- *Please do not wash product with alcohol, benzene, thinner, etc.
- *Please keep the law related to product use during driving.
- *Please do not use it with high volume during walking or driving, or that could cause traffic accident due to dropping attention.
- *When you listen to recordings, please adjust volume properly, or that could have bad effect on hearing ability.
- *Please do not use it with excessive strength.

Caution in using bluetooth

- * Wireless devices could cause radio interference and please do not use it for the service related to human life safety.
- * In case call quality drops, please check whether product speaker touches ear well or hand covers product microphone.
- * Call quality could drop according to the way of holding product and we recommend you to make a call holding the middle-bottom part of product.
- * Please do not put obstacle between devices
- * In case of registering product into other device, please try it at the close distance with the relevant device.
- * Please abstain from using product at the weather of thunder, lightning.
- * Please turn off the power at the place where product use is prohibited. The problem or danger of radio wave could occur.
- Please do not use in the hospital or airplane. It could affect medical device or flight device.
- * Strange operation or noise, etc according to using environment could disturb call.
- Bluetooth uses the same frequency band as low power devices like the devices of industry, science, medicine and electronic product, wireless LAN and interference of electric wave could occur between devices.
- Receiving/transmitting signal becomes low by obstacles like wall, corner, partition, etc. according to user's position and please use where there are no obstacles.
- In making a call with product, as distance between mobile phone is farther, product call quality become lower and when it become far more than a certain distance, connection is released and is changed to the call of mobile phone.
- In calling at the noisy place or outdoor, it could be hard to call due to the noises of surrounding environment.

When product power is turned on in state of connecting(pairing) with mobile phone, call can be made with product(BR-20) only. To make a call with mobile phone, bluetooth connection should be released(refer to "how to use bluetooth - releasing connection")

How to use bluetooth(quick guide)

*** Caution : after connecting bluetooth, you should talk with PR200 to save conversation.**

***Bluetooth operation lamp**

Operation lamp	Status
Blue lamp blinks consistently	power is on
Blue lamps blinks every two times	Connected to mobile phone (call standby)
Blue and red lamps are lit up in turn	pairing(waiting for registration) device selection in mobile phone is needed.
Blue and red lamps are turned on at the same time	receiving/transmitting a call
Red lamp blinks	Battery remains is short (use after charging)
lamp is off	power is off

*** Bluetooth function on/off**
Please press call button for about 2 seconds!

*** Receiving a call**
Please press call button shortly!

*** Rejecting a call**
Please press call button shortly two times!

*** Connecting to mobile phone(pairing)**
Please press call button for about 5 seconds!
(Search bluetooth and select BR-20 at mobile phone)

Recording(quick guide)

Recording switch

*** General recording**
Please move recording switch to the direction of "①(VOICE)"!

*** Stop**
Please move recording switch to the center of "②(OFF)"!

*** Call recording**
Please move recording switch to the direction of "③(MOBILE)"!

Playback/Stop(quick guide)

- 1) Please move recording switch to the center of "②(OFF)"!

- 2) Please press the button of Play/Stop more than 3 seconds! power is turned on and recording file is played back automatically.

Previous button **Play/Stop button** Next button

- 3) Please press the button of Play/Stop shortly! Recording file being played back is stopped.

Previous button **Play/Stop button** Next button

Deleting recording file(quick guide)

- 1) Please move recording switch to the center of "②(OFF)"!

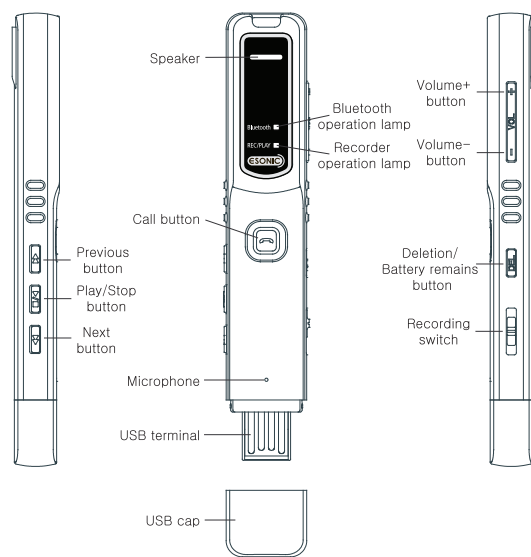
- 2) Please press the button of Play/Stop more than 3 seconds! Power is turned on and recording file is played back automatically.

- 3) Please press the button of Play/Stop shortly! Recording file being played back is stopped.

- 4) Please press the button of Deletion(DEL) long more than 3 seconds until beep comes out.

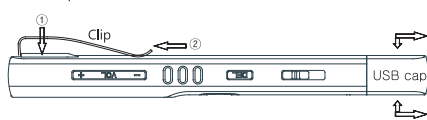
- 5) Please press the button of Deletion(DEL) shortly! The file being played back is deleted. (Please press the button within 10 seconds during playback)

Naming of each part



Separating clip

- 1 Press hook
- 2 Push clip to the direction of arrow



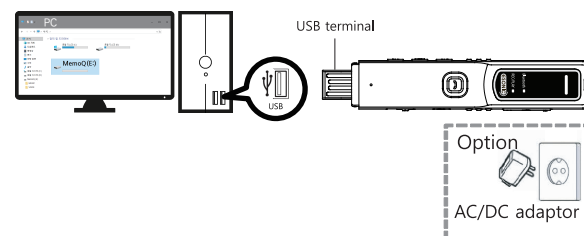
Opening USB cap

- * Hold USB cap like picture and full it.



Charging battery

- * This product has built-in rechargeable battery.
- * Please charge the product by using PC USB or AC/DC adaptor(option) before use.
- * Recorder operation lamp is lit up in red during charging and red lamp blinks when charging is completed.
- * Charging takes about 2 hours.



Checking battery remains

- * When you press the button of DEL shortly during operation (play, play stop, general recording, bluetooth call recording), recorder operation lamp shows as below.

Battery remains	Indication
Sufficient	Green LED blinks 5 times
Normal	Blue LED blinks 5 times
Shortage (less than 30%)	Red LED blinks 5 times

- * It is possible to check battery remains only while recorder operation lamp is turned on. It is not possible to check battery remains while bluetooth operation lamp only is turned on.

In case battery remains lack

- * In case battery remains lack during recording or playback, recorder operation lamp blinks in red rapidly and power is turned off.
- * In case battery remains lack during bluetooth call and recording, beep comes out and call is changed to mobile phone and product power is turned off.

PC connection



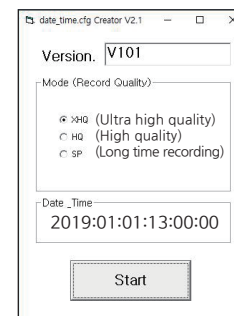
- * Recording file is saved in the folder of VOICE by the MP3 format.
- * When product is connected into the USB port of PC, it is recognized as "removable disk(MemoQ)".
- * When you double-click recording file in the folder of VOICE in PC, it is played back.
- * You can delete recording file in PC by the same way as you usually do.

Arranging function of file names

- * In case product is removed from USB connection or file is deleted from product, file names are arranged automatically and needs some time. At this time, recorder operation lamp blinks in blue rapidly.
- * When file numbers are many, blinking time can take long.

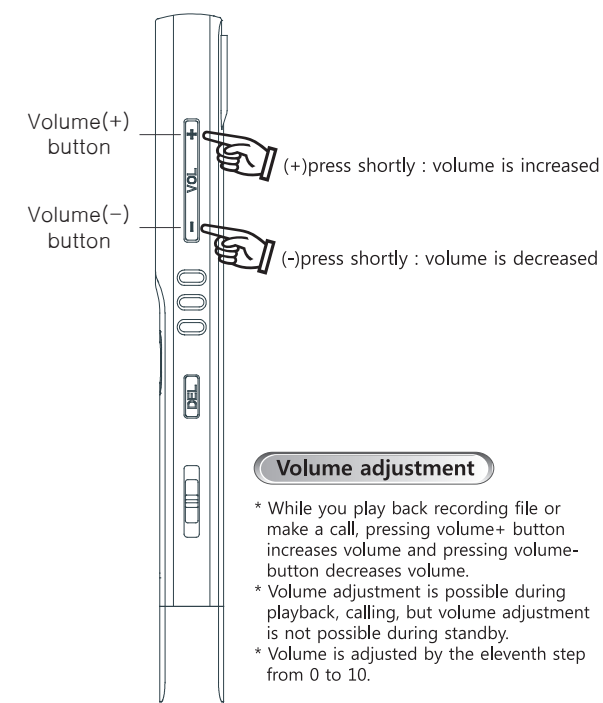
Time/Record mode Setting

- 1) After USB connection on PC, perform the program of "Time Setup" saved in product by double-click, and the right window of "date_time.cfg Creator" appears.
- 2) Click the button of "Start" in the window of "date_time.cfg Creator", and file of "date_time.cfg" is created in product.
- 3) Separate product from PC, and recording LED(●) blinks rapidly and time setting is completed.



- Caution-1. Date and time set in PC is set up automatically. (Time to click the button of Start is set up at the point of separating product.)
- Caution-2. When battery is discharged, date is initialized. Before record, perform time setting again and use it.

Adjusting volume



Volume adjustment

- * While you play back recording file or make a call, pressing volume+ button increases volume and pressing volume- button decreases volume.
- * Volume adjustment is possible during playback, calling, but volume adjustment is not possible during standby.
- * Volume is adjusted by the eleventh step from 0 to 10.

- * **Bell volume is interlocked with the volume adjustment during conversation.**

How to use bluetooth(details)

- * **Bluetooth function operates independently regardless of the position of recording switch.**

Bluetooth function on/off

- When product power is turned on, you can use bluetooth function.
- * Please press the button of call for about 2 seconds to turn on product. Blue lamp blinks every two times with beep.
- * Please press the button of call for about 2 seconds to turn off product. Blue lamp is turned off with beep.
- * In case of turning on the power for the first time after purchasing, it becomes pairing mode right away.

Connecting to mobile phone(pairing)

1. When you press the button of call for about 5 seconds in state of product power-off, bluetooth operation lamp is lit up in blue and red in turn.
 2. Please start bluetooth search at mobile phone(mobile device).
 3. Please select BR-20 which mobile phone(mobile device) has searched.
- * When mobile phone and product is connected(paired) with bluetooth, product's bluetooth operation lamp blinks in blue every two times at regular intervals.
 - * It is possible to call through product(BR-20) after pairing.

Releasing connection

1. Please press the button of call for about 2 seconds. Power is turned off with beep and connection is released. (When power is turned on, it is connected again.)
2. You can also release connection by using the bluetooth menu of mobile phone(mobile device). (For re-connection, you should connect at the bluetooth menu of mobile phone.)

In case battery remains lack

1. When bluetooth operation lamp blinks in red, please use product after charging.

Connecting again

1. In case distances between devices are farther away than a certain distance and bluetooth connection is released, operation lamp is changed to blinking every one time.
2. When 10 minutes pass after connection is released, power is turned off automatically to prevent battery consumption and when it is close to distance to use product within 10 minutes, bluetooth is connected automatically.
3. If connection fails, press the button of call shortly one time or turn off and turn on product power, and it is connected.

Receiving a call

1. When a call comes, receiving sound rings, (Android phone has fixed bluetooth receiving sound volume and iPhone can set bluetooth receiving sound volume inside phone.) and operation lamp is turned on in blue and red at the same time.
2. Press the button of call shortly, and call is connected.

Hanging up

1. Please press the button of call shortly to hang up.

Rejecting a call

1. Please press the button of call shortly two times consecutively to reject a call.

Making a call

1. This product does not have a transmitting function. please press the button of call at mobile phone and talk with product(BR-20).

Adjusting call volume

1. Please press the button of volume(+/-) during conversation, and volume is adjusted.

How to use recorder(details)

Recording

- ① **General recording:** when you move recording switch to the direction of VOICE, recorder operation lamp is lit up in green and recording starts. (Long-time recording is divided and saved by the unit of 5 hours)
 - ② **Stop:** when you move recording switch to the direction of OFF, recording file is saved and power is turned off.
 - ③ **Call recording:** when you move recording switch to the direction of MOBILE, recording starts automatically during calling(transmitting, receiving) and when call ends, recording stops automatically. Green lamp is lit up during recording and lamp is turned off when recording ends.
 - Bluetooth should be paired for call recording.
 - In case of using the call function of messenger or separate APP program, call recording function could not operate normally. In that case, please move recording switch to general recording, and call recording is possible.
- * Recording files are created up to 9,999 files.
 - * If you stop it within 3 seconds after recording starts, recording is not saved and finished.

Long-time recording

- * When you connect PC USB port, AC/DC adaptor, portable USB battery pack, etc. during general recording, long-time recording is possible by receiving external power. (Even though you move recording switch to the direction of VOICE during charging, recording is not possible and recording starts in releasing charge)
- * In general recording, you can record for about 16 hours by using internal battery only.
- * Some USB battery packs for the charge of mobile phone could not be supported.

Memory capacity full or recording files full(9,999 files)

- * when memory capacity is full or recording files are full, recorder lamp blinks in red rapidly and power is turned off.

Playing back

1. Please move recording switch to the center of OFF.
2. When you press the button of Play/Stop more than 3 seconds, recorder operation lamp is lit up in blue and it moves to last recording file or last playback file and it is played back automatically.
3. You can move files by pressing the button of Previous(<<) or Next(>>) during stop or playback.
4. when you press the button of Previous(<<) long more than 3 seconds during playback, it moves to the first recording file and it is played back.
5. when you press the button of Next(>>) long more than 3 seconds, it moves to the last recording file and it is played back.

- * When you press the button of Play/Stop during playback, playback stops and recorder operation lamp is lit up in red.
- * Power is turned off automatically to prevent battery consumption after 1 minute in state of stop.
- * when a call comes during playback, it stops playback automatically.

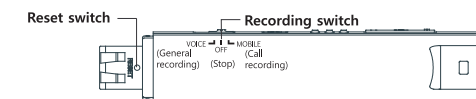
Deleting

1. While recorder operation lamp is lit up in red after the stop of playback, press the button of DEL long more than 3 seconds, and beep comes out and recording file is played back for 10 seconds to check the content before deletion.
2. If the content is the file you want to delete, delete the file by pressing the button of DEL shortly. (At this time, beep comes out for 2 seconds) If the content is not the file you want to delete, press other button or leave it until it is played back for 10 seconds, and deletion is canceled.

- * Please check whether it is an important file before deletion and back up an important file into PC in advance.
- * Deleted file can not be recovered.

RESET

- * Please press the hole of reset switch slightly by using ball pen lead, etc.
- * In case lamp is not lit up after a few minutes pass in charging or in PC connection or in case the operations of recording or playback do not proceed smoothly, please perform power initialization by pressing reset switch.
- * Saved recordings are not deleted even after reset.



Product Composition

