USER'S MANUAL

WVR-165

WHISTLER

Digital Recorder

A
HQ   REC

25

70'50"

E ▮▮▮▮▮▮   F

Digital Recorder

REC

VOL.+

VOL.-

WHISTLER

⊘ Safety Instructions

¡ These instructions describe the precautions and about how to deal with the product to prevent personal injury or property loss.
Please read the following safety precautions carefully.

¡ Keep this instruction in the place which you can find easily whenever you need.

Warning and Caution

⚠ **Warning**		¢″This symbol indicates that personal injury may occur or the product may be damaged when you fail to follow the given instruction.
⚠ **Caution**		¢″This symbol indicates that property loss may occur or the product may malfunction when you fail to follow the given instruction.

Voice Recorder

1

⊘ Contents

Voice Recorder

2

⚠ Percautions ●────────

¡ Precautions for use of the product

Do not install the product in a place exposed to these conditions:

High temperature (above 40¡)
Poorly ventilated or closed
(car inside, especially summer)

Much moisture (humidity, above 75%)
Dusty place

Make sure not to place cash cards
or pass cards, susceptible to magnetic
influences, near to the speaker of the
product.

Do not clean using chemicals
such as alcohol, benzene, or sinner, etc.

Place the battery in a location that
your children or infants cannot access to.

Do not drop down any materials on the
product or impact against the product.

Do not impact against the LCD of the product.

¡ Does not have any responsibility for property loss due to your use of the product
even if you use the product correctly. Also does not have any responsibility for
demanding any compensation from others.
¡ Does not have any responsibility for memory data corruptions and resulted
property loss due to product malfunction or fault, repair, and/or other reasons.

Voice Recorder

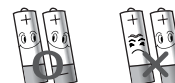# ⚠ Percautions ●────────

¡ Precautions for use of the battery

Make sure to use the specified standard
battery. (¡fiAAA¡fl Alkaline battery)

Do not impose heat on it. Do not
disassemble or short-circuit.Otherwise,
it may cause damages or malfunctions
to the product.

Do not mix a new battery with the old one.

Do not place the metals such as coins
and keys with the battery.Otherwise,
it may cause a fire due to frictional heat.

Make sure that the polarities are correct
when inserting a battery.

Place the battery in a location that your
children or infants cannot access to.

Make sure to remove the battery when you
do not use the product for a long time.

⚠ **Warning**

¡ When your skin or clothes is stained with electrolyte:
Wash them with clean water immediately.
When your skin has been hurt, make sure to consult
your doctor.

¡ When electrolyte enters your eye;
Do not rub your eye. Wash it with clean water
immediately and make sure to consult your doctor.

⚠ Percautions

¡ **Safety Precautions**

If the product smokes or any modification occurs due to heating, remove the battery immediately.

Do not use the product in an airplane or a place where electronic devices should not be used.

Do not use an earphone or operate the product during driving or walking.

Do not listen to with a loud volume. Otherwise it may damage your hearing. Control the volume again.
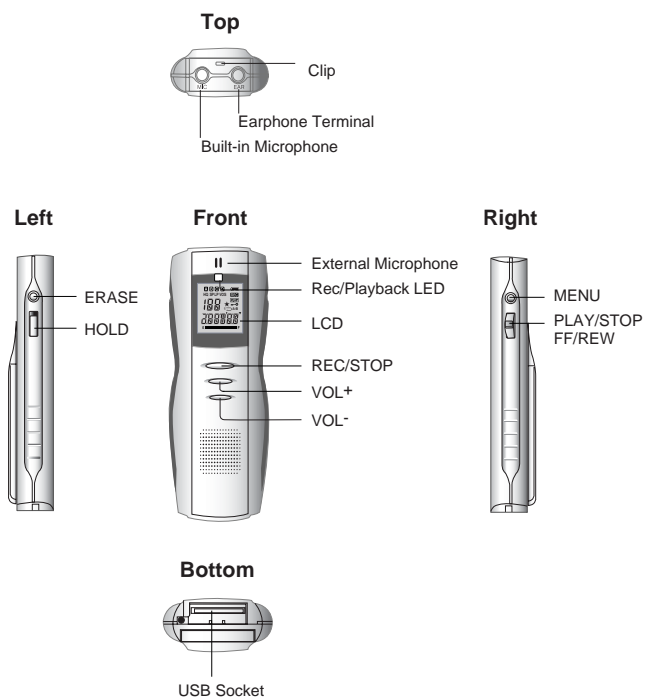
Do not disassemble the product arbitrarily.

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⊘ Product Features

¡ **Compact Size**
Handy to carry due to compact size and light-weight.

¡ **Adapting flash memory**
Recorded sound is preserved even if the power is cut off.

¡ **Automated Power Off**
Automated power break reduces battery consumption.

¡ **Recording Mode**
You can record in HQ or LP mode.

¡ **Long-time Recording**
You can record for a long period of time in LP mode.

¡ **Repair Function**
Recorded sound can be recovered even if the power is cut off during recording.

¡ **VOS(Voice Operated Recording System)**
Recording is proceeded only when voice is emitted to reduce the memory usage.

¡ **Search and Playback**
The first 5 seconds of each recorded file is played back one by one.

¡ **Connecting to External Device**
You can record in connection with an external device.

¡ **Telephone Recording**
You can record telephone conversations.

¡ **Easy-to-Use Folder/File Management**

Usage	Folder	Numbers of saved files
Voice	A, B, C	100 per folder
Saving data	D	Within available memory

¡ **Portable External Storage Device**
D folder can be used for a USB storage drive.
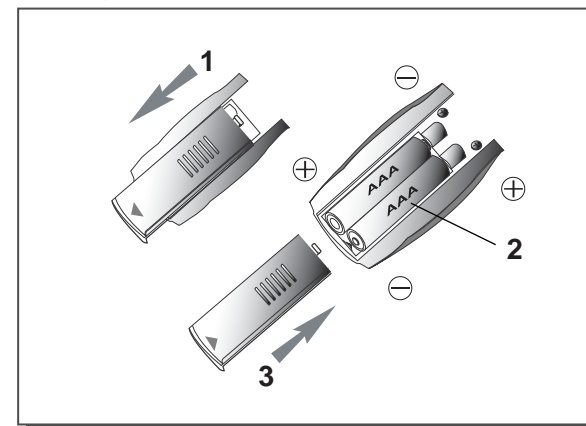For information about how to use, refer to the user manual of Power Voice II.

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⊘ Names of Part

Top

Clip

Earphone Terminal

Built-in Microphone

Left   **Front**   **Right**

External Microphone

ERASE   Rec/Playback LED   MENU

HOLD   LCD   PLAY/STOP
                            FF/REW

REC/STOP

VOL⁺

VOL⁻

Bottom

USB Socket

⊘ Before Using

¡ **Inserting Battery**

1. Push the battery cover slightly and slide it in the arrow direction.
2. Insert two "AAA" alkaline batteries. Make sure that the polarities (+, -) are correct.
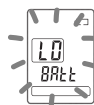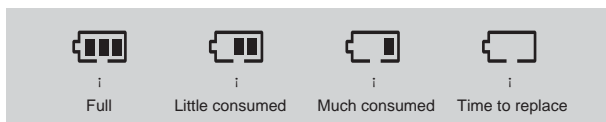3. Close the battery cover.

⚠ Warning   ¢″ Make sure to replace the batteries in stop mode.
                ¢″ Make sure that the polarities (+, -) are correct.
                ¢″ Do not mix a new battery with old one.

⊚ Before Using

¡ Battery Usage Icon

¡	¡	¡	¡
Full	Little consumed	Much consumed	Time to replace

¢ Note ¢—
"LO Batt" is displayed when the voltage is low due to consumption.

¡ Battery Lifetime ("AAA" Alkaline)

| Battery	Recording	Playback
"AAA" Alkaline	19 hours	11 hours

¢ Note ¢—
¢″ Battery lifetime is subject to battery type and the volume you use.
¢″ Rechargeable batteries drop down the playback time remarkably and the product may not operate normally.
¢″ The power is turned off automatically for efficient use of the battery if you do not use the product for more than 1 minute.
¢″ When you do not use the product, set the HOLD switch to ON
to prevent unwanted consumption of the battery due to misuse of the buttons.

⊚ Before using

¡ Powering On/Off
1. Set the HOLD button to OFF (HOLD OFF).
2. Press the PLAY/STOP button shortly once to turn the power on.
3. The power is turned off if there is no operation for 1 minute.

1   2

3
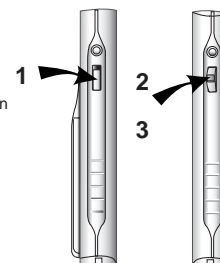
¢ Note ¢—
¢″ In HOLD ON mode, "HOLD" is displayed and the power is not turned on.
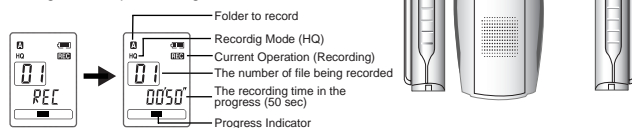¢″ The power is also turned on pressing the REC/STOP button shortly.

HOLD

⊘ Recording

Records voice or sound.
1. Set the HOLD button to OFF (HOLD OFF).
2. Turn the power on.
3. Press the REC/STOP button shortly
   once to start recording.
4. Press the REC/STOP button shortly
   again to stop recording.

Folder to record
Recordig Mode (HQ)
Current Operation (Recording)
The number of file being recorded
The recording time in the progress (50 sec)
Progress Indicator

¢ Note ¢—

¢″ If the recording source is shorter than 2 seconds, it is not recorded.
¢″ Volume control is disabled during recording.
¢″ If the number of the files is more than 100 for a folder,
   "FULL" is displayed and recording is disabled. Move
   to other folder and try to record again.

<When the number of files is more than 100>

¢″ When the recording time is over, "FULL" is displayed
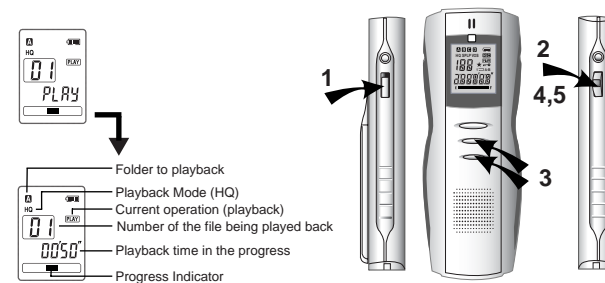   and recording is disabled. (See the specifications.)

<When you fail to record due to recording time over>
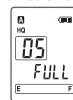
Caution ¢″ Try a test recording first to prevent recording failure.

⊘ Playback

You can hear the recorded sound using the built-in speaker or earphone.
1. Set the HOLD button to OFF (HOLD OFF).
2. Select the number of the folder or the file you wish to playback
   (See page 14 and 23).
3. Control the volume using the VOLUME button.
4. Press the PLAY/STOP button shortly once to playback the selected file.
5. Press the PLAY/STOP button shortly again to stop playback.

Folder to playback
Playback Mode (HQ)
Current operation (playback)
Number of the file being played back
Playback time in the progress
Progress Indicator

Warning
¢″ Do not listen to recorded files with a loud volume.
Otherwise it may damage your hearing.
¢″ Start from a low volume, and then set the volume
to an appropriate level.

Moving to/Scanning/Selecting File (FF/REW)

You can move to, search, or select a file using the FF/REW button.

¡ Moving to the previous or next file:
   Press the FF/REW button shortly during playback.
¡ Scanning file: Press the FF/REW button longer during playback.
   During the first 10 seconds: Moves to the previous or next file by second.
   After 10 seconds: Moves to the previous or next file by 10 seconds.
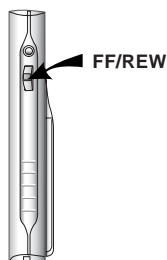
◄ FF/REW

¡   When you want to listen to the recorded sound from the 30-minute position on
 the fourth of 5 recorded files:
1. Move to the fourth file by pressing the FF/REW button shortly in the stop mode.
2. Press the PLAY button.
3. Press the FF/REW button longer to move fast to a position. Fast forward/rewind
works while you are holding it down. When moved to the 30-minute position, stop
holding it down and playback starts from the position you stop.
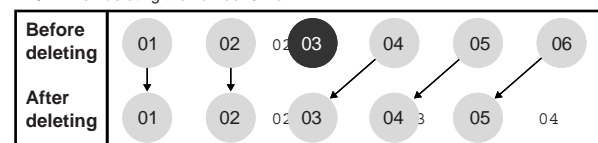
Deleting Recorded Sound

Deletes the sound recorded in the recorder.

Deleting one file

Delete the current file displayed on the LCD.
The file numbers are decreased by one after deleting file.

¢" When deleting the number 3 file:

Before deleting	01	02	02	03	04	05	06	05	06
After deleting	01	02	02	03	04 3	05	04	05	

£" The number 4 file is moved to the number 3 file automatically.

1. Select the file to delete in stop mode.
2. Press the ERASE button once for more than 1 second.
  The "ERASE" message blinks and the first and
  end 5 seconds of the recorded file are played back.

1

<Deleting the number 1 file>

3. Press the ERASE button shortly again to delete file.

¢ Note ¢—
¢" If you do not press any button for 10 minutes after the "ERASE" message
is displayed on the LCD, the ERASE function is released automatically.

⚠ **Caution**   ¢" The deleted recording file cannot be recovered.
                    Make sure to decide properly whether to delete.

⏣ Deleting File
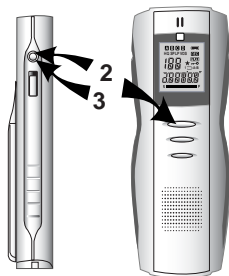
Deleting all files in a folder.

Deletes all the recorded files saved in a folder.

1. Select the folder to delete (See page 23).
2. Press the ERASE and REC/STOP buttons at the same time in stop mode for more than 3 seconds. The "AL ERASE" message blinks on the LCD.

2
3

AL
ERASE

3. Press the ERASE button shortly again to delete all files in the folder.

⚠ **Caution**   ¢″ The deleted recording file cannot be recovered. Make sure to decide properly whether to delete.

⏣ Deleting File

Formatting

Deletes all recorded files in the recorder.

1. Press the ERASE and REC/STOP buttons at the same time in stop mode for more than 7 seconds. The "AL CLEAR" message blinks on the LCD.

1
2

AL
CLEAR

2. Press the ERASE button shortly again to delete all recorded files saved in the product.

¢   Note ¢—
¢″ If the product doesn't operate normally (for example, the buttons do not work.), format the product as directed above and the product will operate normally.

⚠ **Caution**   ¢″ The deleted recording file cannot be recovered. Make sure to decide properly whether to delete.
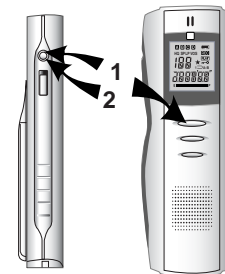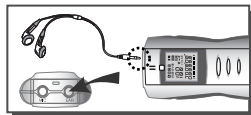
⊘ Recording Functions

Recording Monitoring

Records the sound with hearing the recording sound using an earphone.

Connect an earphone to the earphone terminal of the product.

Index Added Recording

Adds the indexing number (file number) of the file being recorded for easier identification.

Press the FF button during recording, the file number of the file being recorded is increased and saved automatically.

¡ When you press the FF button and record for 30 minutes after recording for 30 minutes starting from the number 1 file, the sound is recorded in the number 1 file for 30 minutes and in the number 2 file for 30 minutes.

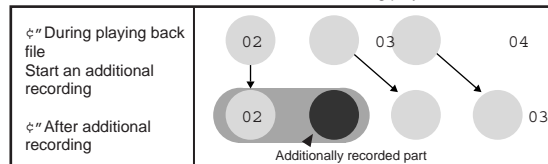## ⊘ Playback Functions

Volume Control

Controls the volume using the VOLUME button. The range is between 0 and 20.

Additional Recording

Records additional sound at the end of the file being played back.

¢" During playing back file Start an additional recording	02		03	04
¢" After additional recording	02			03
	Additionally recorded part			

04

1. Press the REC/STOP button longer once during playback.
2. The "Add-R" message is displayed and the additional recording starts.
3. To stop additional recording, press the REC/STOP button shortly once.

¡ When you want to add an additional recording to the number 2 file:
1. Press the FF/REW button to search the file # 2.
2. Press the PLAY button to playback the file.
3. Press the REC/STOP button longer more than 1 second during playback.
4. The "ADD-R" message is displayed and the sound is recorded and added to the end of the number 2 file.
5. Press the REC/STOP button to stop the additional recording.

Playback Functions

RESUME

Playbacks from the position you stopped when you stopped playback by pressing the PLAY/STOP button during playback and then press the PLAY/STOP button again.

¢ Note ¢—
¢″ If you press other button than the PLAY/STOP button after stopping playback, the file is played back from the first position.

Scan and Playback

The first 5 seconds of each files are played back one by one.

1. Press the PLAY/STOP button longer more than 1 second in the stop mode or during playback.
2. The "SCAN" message is displayed on the LCD screen and the first 5 seconds of the recorded files are played back in the order.
3. Press the PLAY/STOP button shortly once to stop scan and play.

Other Functions

¡ **Selecting Folder**

Specifies the position the recording is saved to.

1. Press the MENU button shortly once in the stop mode.
2. Select a folder using the FF/REW button.
The folder changes in the order of A->B->C by each press.

¡ **Selecting Recording Mode**

You can record in appropriate mode you want according to your situation.

1. Press the MENU shortly twice in the stop mode.
2. Select the HQ or LP using the FF/REW button.

HQ mode : High quality recording mode
LP mode : Long time recording mode

¢ Note ¢—
¢″ The HQ mode has better recording quality than LP mode.
¢″ Recording time means the available maximum recording time.
If you have recorded to the maximum recording time on the number 1 file in the HQ mode, no more can be recorded and you must delete the recorded files in order to record again.

⊗ Other Functions

Voice Operated Recording System (VOS)

To reduce the memory usage, recording is proceeded only
when voice is emitted.

1. Press the MENU button shortly three times in the stop mode.
2. Select the ON or OFF using the FF/REW button.

¢ Note ¢—
¢″ The battery consumption in the VOS ON mode is the same with other mode.

Repair Function

If the battery ran out or dropped off from your product
and the power was cut off, the "REPAIR" message is
displayed on the LCD screen and the previous content
you were recording is recovered when you supply the
power again.

¢ Note ¢—
¢″ The longer you have recorded previously, the longer the REPAIR time
is taken. The "REPAIR" message is displayed on the LCD screen while
repair is proceeding.

⊗ PC Interface

You can connect the recorder to your PC with a USB cable and transmit data
between them. For more information on how to transmit data, refer to the user
manual of Power Voice II.

Earphone Terminal

Microphone Terminal

2   1   **1. From PC to the product**

2. From the product to PC

PC

Earphone Terminal

Microphone Terminal
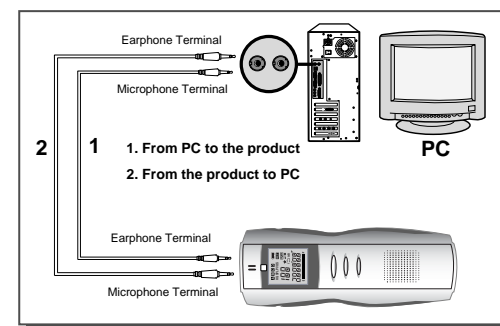
¢ Note ¢—
¢″ When connecting to the PC with a USB cable, the "PC LINK" message
is displayed on the LCD screen.

¢″ USB Interface function is available only when the power of the Voice
recorder is enough.

◈ Connecting to External Device
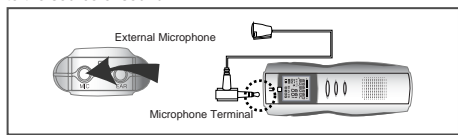
¡ Recording Using External Microphone

You can also record by connecting an external microphone you purchased separately
to the microphone terminal of your recorder If you fix an external microphone onto
your collar, you can act freely and you can record more clear sound when you come
near to the source of sound.

External Microphone

Microphone Terminal

¡ When recording the sound of an external device to your recorder

You can record the sound of an external sound device to your recorder.
1. Connect the output terminal (earphone terminal) of an external device and
the microphone terminal of the recorder with an audio cable you purchased separately.
2. Control the volume of the external device properly.
 If the volume of the device is loud, the sound may be distorted when you playback
 the recorded sound.
3. Press the playback button of the external device and then press the RECORD
button of your voice recorder.

Earphone Terminal

Audio

Audio Cable

Microphone Terminal
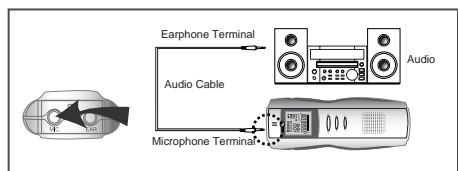
¢ Note ¢–
¢″ The sound is recorded in mono mode. You can check the recording
status using an earphone.

◈ Connecting to External Device

**¡ Recording the sound recorded in your recorder onto an external
device**

You can transmit the sound recorded in your recorder onto an external device.

Connect the earphone terminal of your voice recorder and the input terminal
(microphone terminal) of an external device with an audio cable you purchased
separately. Then, press the PLAY/STOP button of your voice recorder and
press the RECORD button of the external device.

External Input

Audio

Audio Cable

Earphone Terminal
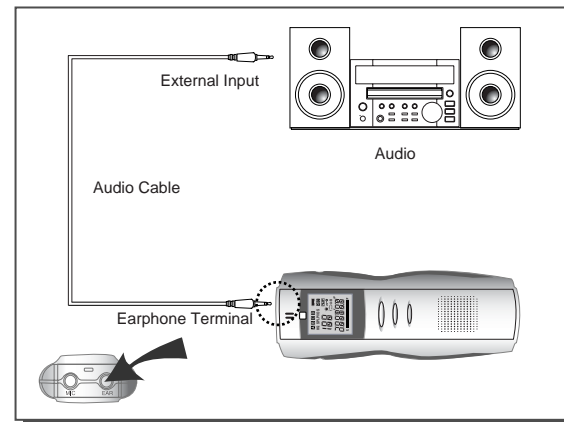
¢ Note ¢–
¢″ Please try a test recording before recording.
¢″ Please control the recording volume with the volume control of your voice
recorder.

◉ Telephone Recording

¢ˆ Connect an adaptor you purchased separately for telephone recording and the cable as shown in the following figure. Press the REC/STOP button to record telephone conversations.
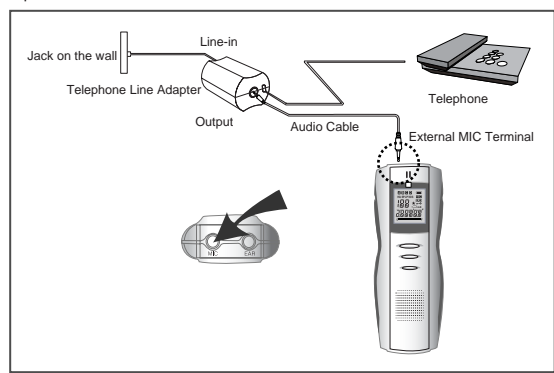
Jack on the wall
Line-in
Telephone Line Adapter
Output
Audio Cable
Telephone
External MIC Terminal

¢ Note ¢—

¢″ If you record telephone conversations in VOS ON mode, the voice may stop temporarily. We recommend to record in VOS OFF mode.
¢″ If several telephones are connected to a telephone line, the voice of the opposite person may be recorded in low volume. We recommend to connect a single telephone to a line.

Caution ¢″ The telephones which does not meet the standard of modular jack of the digital telephone available in the digital communication are not supported.

◉ Troubleshooting
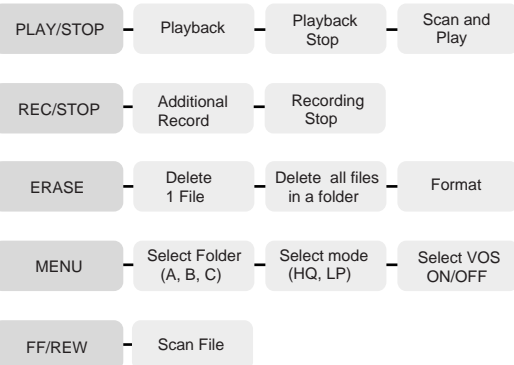
¢ˆ When you encounter any problem, check the following items.

Symptom	Cause	Action
Nothing is displayed on the LCD screen.	Check whether the battery runs out.	Replace the battery with a new one.
	Check whether the polarities are correct.	Make sure that the polarities are correct.
Cannot not record.	Check whether the HOLD button is set to ON.	Set the HOLD button to OFF.
	Check whether the memory is full.	Delete unnecessary recorded sound. (See page 15 to 17)
	Check whether the battery runs out.	Replace the battery with a new one.
Cannot playback.	Check whether the HOLD button is set to ON.	Set the HOLD button to OFF.
	Check whether your recorder has the sound recorded.	Verify the number of the sound recorded.
	Check whether the battery runs out.	Replace the battery with a new one.
Cannot hear sound from the speaker.	Check the volume is set to 0.	Control the volume.
	Check the earphone is connected.	Disconnect the earphone.
Cannot hear sound through the earphone.	Check the volume is set to 0.	Control the volume.
	Check whether the earphone is connected firmly and correctly.	Connect the earphone firmly and correctly.
"ERROR" is displayed on the LCD screen and all buttons does not operate.	Check whether the USB cable is removed during formatting with connected to a PC.	Format your recorder. (See page 17)

⊘ Button Menus

PLAY/STOP	Playback	Playback Stop	Scan and Play

REC/STOP	Additional Record	Recording Stop

ERASE	Delete 1 File	Delete all files in a folder	Format

MENU	Select Folder (A, B, C)	Select mode (HQ, LP)	Select VOS ON/OFF

FF/REW	Scan File

⊘ Specifications

Item	Specification	
Model	WVR-165	
Maximum Recording Time (HQ)	154 min	
Maximum Recording Time (LP)	504 min	
Memory	16 MB	
Number of Folders & Files	Voice(A,B,C)	3 Folders X 100 Files
	Data(D)	1 Folder
Frequency	HQ Mode: 50~5100 Hz, LP Mode: 500~3400 Hz	
Actual Maximum Output	150mW	
Earphone	3.5 Mono Jack	
External Microphone	3.5 Mono Jack	
USB Cable	PC Interface USB 1.1	
Speaker	Dynamic 28mm, 8 Ohm	
Dimensions	36 * 108 * 17.9 mm(W * H * D)	
Weight	About 43g(Except battery)	
Storage Media	Imbedded Flash Memory	
Power	DC 3V, "AAA" Alkaline battery X 2	
Battey Lifetime	Recording : 19 hours Playback : 11 hours	
Operating Temperature	0 ¡ ~ 40¡	
Accessories	User manual, Earphone, Hand Strap, USB cable, Installation CD	

¡ **The specifications and appearance of the product may change without a prior notice in order to improve the quality.**

⊘ Note

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.

**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.

NOTE:THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV
INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS
EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO
OPERATE THE EQUIPMENT.

Voice Recorder