DIASONIC

DIGITAL VOICE RECORDER

MODEL : DDR-5100

User Guide manual

VOICE BANK

Ⓐ VOICE
001/128
1006 meeting
SHQ ▶ ⟳

AM/PM 12:50:3:49
⏰ 🔔 ARS A
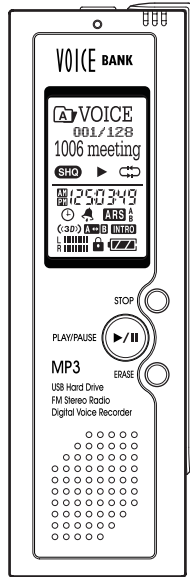((30)) A↔B INTRO
L 🔒 ⎙

STOP

PLAY/PAUSE ▶/❚❚

MP3   ERASE
USB Hard Drive
FM Stereo Radio
Digital Voice Recorder

Thank you for purchasing PORTABLE DIGITAL AUDIO PLAYER from DIASONIC TECHNOLOGY Co. Please carefully read the Instruction manual for safe use of the product. We recommend that you to keep this instruction manual for future reference.

INFORMATION TO THE USER

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority operate the equipment.

This device complies with Part 15 of the FCC Results. Operation is subject to the following two conditions:

(1) This Device may not cause harmful interface, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Preface

Thank you for purchasing Diasonic MP3 Player.

Please read this instruction manual carefully before use.

If you find any defect during the use of this unit, please contact A/S Center [Tel 031-474-0852; Head Office].

Precautions:

● Do not repair, disassemble or modify the unit at your own discretion.

● The memory content may be changed or lost due to misuse, static electricity or electric shock during the repair or battery change. Be sure to make a note of important content.

● Diasonic assumes no responsibility for any damage caused by change or loss of memory content.

● Do not drop the unit in the water or keep it in any damp environment.

● This instruction manual is subject to change without notice for the purpose of product improvement.

Copyright

● The MP3 files created for MP3 conversion shall not be used for any commercial or public purposes. Any violation of the prohibition may be a breach of copyright laws.

● Any unauthorized reproduction of recorded files for any other purposes than personal use is strictly prohibited by the relevant laws and regulations.

Note

This instruction manual is required for the effective use of Diasonic MP3 Player. Pay special attention not to lose the manual as it is not provided separately from the unit.

Safety Precautions

Warning

● Keep the batteries out of reach of the children. If a child swallowed a battery, please consult a doctor immediately.

● Do not have the battery shorted, disassembled, heated or put in fire. This may cause leakage, heat, explosion or fire.

● If the battery leakage gets in your eyes, wash it off with clean water, and seek immediate medical treatment. If not, you may lose your sight.

● If the LCD is damaged, do not touch the liquid. If the liquid contacts your eyes or skin, wash it off with clean water, and seek immediate medical treatment.

● If you use the rechargeable batteries, read the user's manuals for batteries and chargers carefully before use.

● Read this instruction manual carefully before use.

Using earphones

Road safety

● Do not use earphones while driving, cycling or operating any motorized vehicle. It may cause a traffic hazard and is illegal in some areas. It can also be dangerous to play your earphones at high volume while walking, especially at pedestrian crossings.

Preventing hearing damage

● Avoid using earphones at high volume. Hearing experts advise against continuous, loud and extended play.

● If you experience a ringing in your ears, reduce the volume or discontinue use.

Contents

Functions and Features

� **DIGITAL VOICE RECORDER**
- UP TO 16,960 MIN RECORDING TIME(SP MODE AND 1GB)
- 8FOLDERS TO ORGANIZE FILES
- STORE UP TO 128 FILES FOR EACH FOLDER
- CONTINUE FOLDER FUNCTION: AUTOMATICALLY MOVE TO NEXT FOLDER IF INDEX IS FULL.
- VARIABLE RECORDING MODE (SHQ/HQ/SP IN MP3 FORMAT AND USER MODE IN MPEG1 LAYER3)
- MIC SESITIVITY ADJUSTABLE IN RECORDING.
- PLAY BACK OPTION IN SLOW/STANDARD/FAST WITHOUT SOUND DISTORTION.(SPEED CONTROL IS NOT AVAILABLE FOR WMA, VBR FORMAT FILE.)
- RECORDING INDICATOR WITH RED LED
- TIMER RECORDER UP TO 3 DAILY, WEEKLY AND SPECIFIC DATE
- 2 MODES OF ARS(AUTOMATIC RECORDING SYSTEM)
  MODE A: ALL MESSAGES ARE RECORDED INTO 1 INDEX FILE.
  MODE B: EACH MESSAGE HAS ITS OWN INDEX FILE IN SEQUENCE AFTER 3 SECONDS WITH NO SOUND BETWEEN PREVIOUS AND NEXT FILE.
- PAUSE AND RESUME
- MONITERING: MONITERING THE RECORDING BY EARPHONE ON RECORDING.

� **MASS STORAGE**
- SIMPLY CONNECT IT TO PC. NO REQUIRED OPERATING PROGRAM & DRIVER CD(EXCEPTING WIN98SE)
- PC AND MAC COMPATIBLE
- EASY DRAG AND DROP FILE TRANSFERENCE

� **FM RADIO**
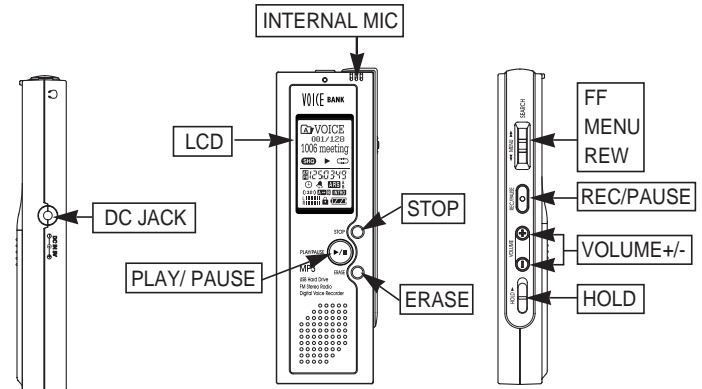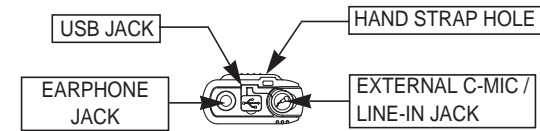- ENCODING FM BROADCASTING
- 10 FREQUENCY PRESET

MP3/WMA PLAYER & ENCODER

- ID3 TAG SUPPORT(ARTIST/TITLE)
- SCROLL SPEED CONTROLLING
- MULTI LANGUAGE SUPPORT
- 5EQ (NORMAL/CLASSIC/LIVE/POP/ROCK)
- SYNC FUNCTION: AUTOMATICALLY RECOGNIZE THE END AND BEGANNING OF
  THE MUSIC FROM EXTERNAL AUDIO DEVICE IN RECODING THRU
  CONNECTING AUDIO CABLE AND RECORD.

USER EASILY UPGRADES NEW FIRMWARE PROVIDED BY MAKER

EASY-TO-USE BUTTON FOR QUICK NAVIGATION THROUGH FOLDERS AND
OPTIONS

SET UP THE ALARM TO PLAY AUTOMATICALLY AS A REMINDER TO MEETING,
BIRTHDAY AND MORE.

EASY-TO-READ ALL STATUS ON THE LARGE BACKLIGHT LCD DISPLAY WITH
DOT MATRIX

VARIABLE FLASH MEMORY UP TO 1G(64MB/128MB/256MB/512MB/1GB)

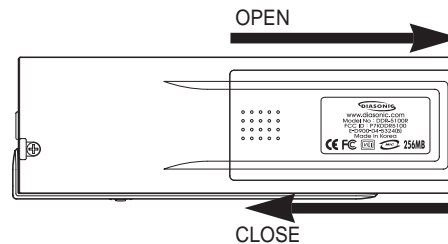22HOURS PLAY BACK WITH 2 AAA BATTERIES (VOICE MODE)

Parts and Components

(1) Main set

(2) LCD

FOLDER		MODE
INDEX INFORMATION		
FILE INFORMATION		PLAY/STOP/PAUSE /REC/REW/FF
SYNC/BIT RATE /EQ/SPEED		REPEAT
		TIME

VOICE
001/128
1006 meeting
SHQ ▶ ⟳
AM/PM 1250349
⏱ 🔔 ARS A/B
((3D)) A↔B INTRO
L ||||||||
R |||||||| 🔒 🔋

HOLD

⏱	TIMER ON/OFF	🔔	ALARM ON/OFF
ARS A/B	ARS ON/OFF	((3D))	3D SOUND ON/OFF
A↔B	REPEAT	INTRO	INTRODUCTION PLAY BACK
L |||||||| R ||||||||	L/R SPECTRUM	🔋	BATTERY STATUS

(3) BATTERY
1) PUT BATTERIES (LR03 TYPE)

OPEN

DIASONIC
www.diasonic.com
Model No : DDR-5100R
FCC ID : PY9DDR5100
EC000PG-HS32400
Made in Korea
256MB

CLOSE

2) BATTERY POWER STATUS INDICATOR

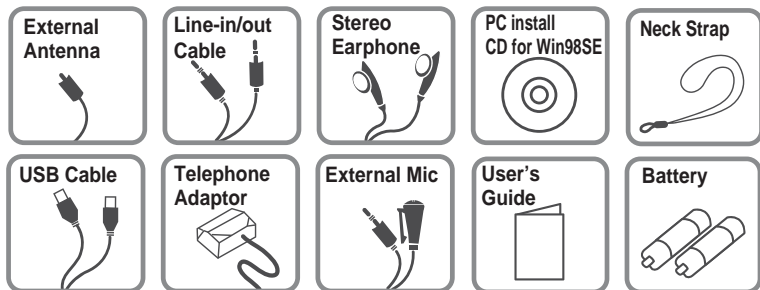|	
🔋	FULL CHARGED
🔋	SOME POWER CUSTOMED
🔋	THINKING OF CHANGING BATTERY
🔋	CHANGE BATTERY

☞ CHECK THE POLARITIES OF THE BATTERIES IF LCD DISPLAY DOESN☐ TURN ON AFTER INSERTING NEW BATTERIES.
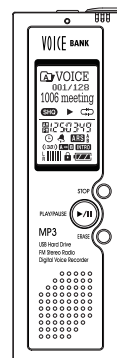
3) TYPICAL BATTERY LIFE TIME

BATTERY TYPE	RECORDING (VOLUME:MEDIUM)	PLAYBACK VIA SPEAKER (VOLUME:MEDIUM)	PLAYBACK VIA EARPHONE (VOLUME:MEDIUM)
2 AAA LR03	APPROX. 14HRS	APPROX. 14HRS	APPROX. 22HRS

☞ BATTERY LIFE MAY BE DIFFERENT FROM ABOVE MENTIONED TIME ACCORDING TO BATTERY BRAND & CONDITION.
☞ DO NOT USE DIFFERENT TYPE AND BRAND BATTERY TOGATHER.
☞ WHEN THE DEVICE IS LEFT UNUSED FOR A LONG TIME, REMOVE BATTERIES.

(4) ACCESSARY

External Antenna	Line-in/out Cable	Stereo Earphone	PC install CD for Win98SE	Neck Strap
USB Cable	Telephone Adaptor	External Mic	User's Guide	Battery

1) TURN ON/OFF

TO TURN ON, HOLD THE (►/II) OR REC/STOP KEY FOR 2-3 SECONDS.
TO TURN OFF, HOLD THE STOP KEY AGAIN WITH LONG KEY.

☞ IF USB CABLE IS CONNECTED, AUTOMATICALLY POWER IS ON.
☞ IF YOU PUT THE BATTERY TO SET, "A" FOLDER IN THE VOICE MODE WILL DISPLAY. BEFORE USING IT, WE RECOMMAND TO SET UP THE TIME AND DATE FOR ALRAM & RESERVED RECORDING FUNCTIONS.

(2) HOLD KEY

HOLD ▲	HOLD ON	ALL KEYS WON'T WORK. 🔒 WILL DISPLAY ON THE LCD.
HOLD ▲	HOLD OFF	ALL KEYS WORK PROPERLY.

(3) VOLUME

VOLUME UP BY PRESSING "+" KEY.
VOLUME DOWN BY PRESSING "-" KEY.
☞ VOLUME CAN BE ADJUSTABLE WITHIN 30 LEVEL(0-30).
☞ IF TURN ON, DEFAULT VOLUME(20) IS SET UP AUTOMATICALLY.

(4) CHANGING MODE

MENU BY PRESSING MENU BUTTON FOR 1-2 SECONDS, MODE MENU WILL DISPLAY.
FOR MOVING TO THE MODE WANTED, PRESS "REW/FF" BUTTON.
SELECT THE MODE BY PRESSING "MENU" OR "PLAY/PAUSE" BUTTON.

VOICE	MUSIC	L-IN ENC	FM ENC	FM	B-MARK	FOLDER

(5) INTRO PLAY

THIS IS FOR PLAYING THE FIRST FEW SECONDS OF EVERY TRACK FOR QUICK REVIEW OF VOICE FILES OR MUSIC. PRESS "PLAY AND PAUSE" BUTTON DURING PLAYING BACK. THE [INTRO] ICON APPEARS ON THE LCD AND THE FIRST 5, 10 OR 15SECONDS OF EVERY TRACK PLAY, DEPENDING ON THE SELECTED TIME.

MENE BUTTON WITH LONG KEY -> TIME -> INTRO TIME(5, 10 OR 15 SECONDS)

(6) A<->B REPEAT PLAY

TO DESIGNATE A SPECIFIC SECTION TO PLAY REPEATEDLY, PRESS THE "REC/PAUSE" BUTTON AT THE BEGINNING OF THE DESIRED SECTION FOR 1SECOND DURING PAYING BACK. IF SO,THE [A↔] IS DISPLAYED AND PRESS "REC/PAUSE" BUTTON AGAIN AT THE ENDING POINT. THE [A↔B] ICON APPEARS AND THE SELECTED SECTION REPEATEDLY PLAYS. TO END THE "A<->B PLAY", PRESS □EC/PAUSE" BUTTON AGAIN.

(7) PLAYBACK SPEED CONTROL

A CURRENT SPEED DISPLAYS ON THE LCD BY PRESSING "REC/PAUSE" BUTTON FOR 2-3SECONDS DURING PLAYBACK. TO SELECT DESIRED SPEED (STANDARD(100%), FAST(120%) OR SLOW(80%)) BY PRESSING "REC/PAUSE" BUTTON FOR 2-3 SECONDS. IF STOP, SPEED IS BACK TO STANDARD.
☞ (SPEED CONTROL IS NOT AVAILABLE TO WMA, VBR FILE FORMAT.)

(8) REPEAT

WHEN FILE PLAYS BACK, REPEAT MODE CHANGES BY PRESSING "ERASE" BUTTON FOR 2-3SECONDS.

(9) BOOKMARK SETTING

TO BOOKMARK A SELECTED MP3, WMA FILE, PRESS "STOP" BUTTON IN STOP FOR 1SECOND. FOR RELEASE THIS FUNCTION, PRESS "STOP" BUTTON ONCE AGAIN.
"BOOKMARK" IS AVAILABLE IN THE MUSIC, LINE-IN ENC, FM ENC MODE.

(10) PC CONNECTION

WHEN THE UNIT IS CONNECTED TO A PC VIA USB CABLE, USB ICON APPEARS ON THE LCD. IN THIS CASE, PLAYBACK IS NOT AVAILABLE.

(11) EQUALIZER

ON PLAYING MP3 FILE BACK, USER CAN SELECT NORMAL/CLASSIC/LIVE/POP/ROCK BY PRESSING "ERASE" BUTTON. NORMAL/CLASSIC/LIVE/POP/ROCK IS CHANGED BY PRESSING "ERASE".

Buttons

(1) VOICE MODE

BUTTON	OPERATION	THE STATUS OF SET		
		STOP	PLAYBACK	RECORDING
PLAY/ PAUSE	SHORT	PLAYBACK	PAUSE	REMAINING TIME
	LONG	-	INTRO PLAY	-
FF	SHORT	GO TO NEXT FILE	GO TO NEXT FILE AND PLAY	INCREASE INDEX (AFTER 5 SECONDS)
	LONG	GO TO NEXT FILE IN SEQUENCE	S-FORWARD CURRENT FILE	-
REW	SHORT	GO TO PREVIOUS FILE	GO TO BEGINNING OF THE FILE, IF PLAY CURRENT FILE OVER 5SECONDS. PLAY PREVIOUS FILE, IF PLAY FILE UNDER 5 SECONDS	-
	LONG	GO TO PREVIOUS FILE IN SEQUENCE	S-BACKWARD CURRENT FILE	-
MENU /MODE	SHORT	ENTERING MODE	ENTERING MODE	-
	LONG	ENTERING MENU	ENTERING MENU	-
VOLUME+	SHORT	VOLUME UP	VOLUME UP	VOLUME UP
	LONG	AUTO VOLUME UP	AUTO VOLUME UP	AUTO VOLUME UP
VOLUME	SHORT	VOLUME DOWN	VOLUME DOWN	VOLUME DOWN
	LONG	AUTO VOLUME DOWN	AUTO VOLUME DOWN	AUTO VOLUME DOWN
REC/ PAUSE	SHORT	RECORDING	A↔B REPEAT	PAUSE
	LONG	RECORDING	PLAYBACK SPEED CONTROL	-
ERASE	SHORT	ERASE 1 FILE	-	-
	LONG	ERASE ALL FILES (HOLD 2SECOND) ERASE ALL FOLDER (HOLD 2SEC.+2SEC.)	CHANGING REPEAT	-
STOP	SHORT	-	STOP CURRENT FILE	STOP RECORDING
	LONG	POWER OFF	POWER OFF	-
HOLD		HOLD	HOLD	HOLD

(2) FM RADIO MODE

BUTTON	OPERATION	MODE		
		FREQUENCY MODE	PRESET MODE	SET UP THE STATION
PLAY / PAUSE	SHORT	ENTERING SETTING STATION	-	SETTING STATION
	LONG	PRESET	FREQ. MODE	-
FF	SHORT	TUNE FM FREQ. SLIGHTLY	FORWARD NEXT PRESET CH.	CHANNEL UP
	LONG	AUTO SEEK +	-	-
REW	SHORT	TUNE FM FREQ. SLIGHTLY	FORWARD PREVIOUS PRESET CH.	CHANNEL DOWN
	LONG	AUTO SEEK	-	-
MENU / MODE	SHORT	ENTERING MODE	ENTERING MODE	-
	LONG	ENTERING MENU	ENTERING MENU	-
VOLUME+	SHORT	VOLUME UP	VOLUME UP	VOLUME UP
	LONG	AUTO VOLUME UP	AUTO VOLUME UP	AUT OVOLUME UP
VOLUME	SHORT	VOLUME DOWN	VOLUME DOWN	VOLUME DOWN
	LONG	AUTO VOLUME DOWN	AUTO VOLUME DOWN	AUTO VOLUME DOWN
REC / PAUSE		RECORDING	RECORDING	-
ERASE		-	-	-
STOP	SHORT	STOP THE SEEK		
	LONG	POWER OFF	POWER OFF	POWER OFF
HOLD		HOLD	HOLD	HOLD

IF THERE IS NO KEY OPERATION WITHIN 5SECS, SET UP THE STATION WILL BE RELEASED.

EARPHONE WORK AS AN EXTERNAL ANTENNA FOR INCREASING RECEPTION. STRETCH IT OUT.

(3) MUSIC/L-IN ENC/FM ENC MODE

BUTTON	OPERATION	THE STATUS OF SET		
		STOP	PLAYBACK	RECORDING
PLAY / PAUSE	SHORT	PLAY	PAUSE	REMAINING TIME
	LONG	-	NTRO PLAY	-
FF	SHORT	GO TO NEXT FILE	GO TO NEXT FILE AND PLAY	INCREASE INDEX (AFTER 5SECONDS)
	LONG	GO TO NEXT FILE IN SEQUENCE	S-FORWARD CURRENT FILE	-
REW	SHORT	GO TO PREVIOUS FILE	GO TO BEGINNING OF THE FILE, IF PLAY CURRENT FILE OVER 5SECONDS. PLAY PREVIOUS FILE, IF PLAY FILE UNDER 5 SECONDS	-
	LONG	GO TO PREVIOUS FILE IN SEQUENCE	S-BACKWARD CURRENT FILE	-
MENU / MODE	SHORT	ENTERING MODE	ENTERING MODE	-
	LONG	ENTERING MENU	ENTERING MENU	-
VOLUME+	SHORT	VOLUME UP	VOLUME UP	VOLUME UP
	LONG	AUTO VOLUME UP	AUTO VOLUME UP	AUTO VOLUME UP
VOLUME	SHORT	VOLUME DOWN	VOLUME DOWN	VOLUME DOWN
	LONG	AUTO VOLUME DOWN	AUTO VOLUME DOWN	AUTO VOLUME DOWN
REC / PAUSE	SHORT	RECORDING	A↔B REPEAT	PAUSE
	LONG	RECORDING	PLAYBACK SPEED CONTROL	-
ERASE	SHORT	ERASE 1 FILE	EQUALIZER	-
	LONG	ERASE ALL FILES (HOLD 2SECOND) ERASE ALL FOLDER (HOLD 2SEC.+2SEC.)	CHANGING REPEAT	-
STOP	SHORT	BOOKMARK	STOP	STOP RECORDING
	LONG	POWER OFF	POWER OFF	-
HOLD		HOLD	HOLD	HOLD

FM Radio

(1) TURN ON FM

TURN ON THE SET AND SELECT FM IN THE MODE MENU.

(2) AUTOMATIC TUNING

FOR The AUTOMATIC TUNING. PRESS AND HOLD FORWARD OR REWIND BUTTON FOR 2SECONDS. THE TUNNER AUTOMATICALLY SCAN AND STOP ON THE NEXT STATION WITH A STRONG SIGNAL. IN AREA WITH WEAK RECEPTION, PRESS THE FAST FORWARD OR REWIND BUTTON TO FIND A CLEAR STATION.

(3) PRESET STATION

AFTER SELECTING THE WANTED FREQUENCY BY "REW/FF", PRESS "PLAY/PAUSE". IF SO, THE CHANNEL 1 IS BLIKING. AT THIS TIME, MOVE TO THE CHANNEL TO SAVE BY PRESSING REW/FF AND SAVE IT BY PRESSING "PLAY/PAUSE".

☞ CHANNEL CAN BE CHECKED BY PRESSING "PLAY/PAUSE" AT THE FREQUENCY MODE.

(4) RECORDING FM

IF YOU WOULD LIKE TO RECORD THE PRESENT STATION, PRESS "REC" BUTTON.

THE RECORDED FILE IS STORED TO FM ENC FOLDER WITH FM001-48KBPS_040101_010101.MP3 AND THE FILE NAME IS SEQUENTLY ADDED ACCORDING TO RECORDED ORDER.

☞ NOISE MAY OCCUR WHEN RECORDING FM IN WEAK COVERAGE OR INSIDE OF THE BUILDING. IF SO, MOVE TO STRONG COVERAGE TO RECEIVE BETTER FM QUALITY.

THE EARPHONE CAN BE USED AS AN ANTENNA, SO EXTEND AS LONG AS IT CAN.

FOR BETTER QUALITY IN LISTING TO FM, USE EARPHONE AND IN LISTING TO FM THRU EXTERNAL SPEAKER, PULG PROVIDED EXTERNAL ANETNNA.

Mode Menu

YOU CAN GO TO "MODE MENU" BY PRESSING "MENU" BUTTON FOR 1 SECOND. MODE MENU IS CONSIST OF BELOW MODE. TO MOVE TO ANOTHER MODE, USE "REW/FF" BUTTON.

| VOICE | MUSIC | L-IN ENC | FM ENC | FM | B-MARK | FOLDER |
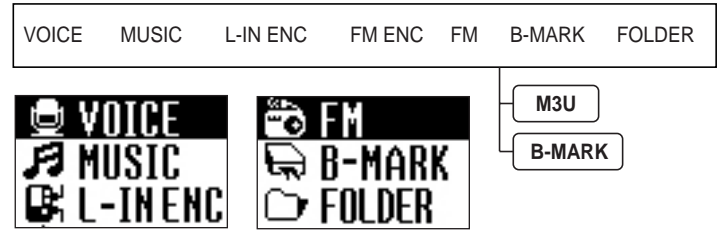
(1) VOICE

PLAY BACK VOICE FILE RECORDED IN VA001-008KBPS_040101_010101.MP3 TYPE. FILE NAME IS STAMPED IN SEQUENCE.

VOICE MODE HAS 8 SUBORDINATE FOLDERS AND WITHOUT APPOINTING THE SPECIFIC FOLDER, FILE RECORDS FROM A FOLDER. EACH FOLDER CAN HAVE 128FILES.

(2) MUSIC

MP3 AND WMA PLAY IN THE SET, BUT IN VOICE, L-IN ENC AND EM ENC FOLDER IS NOT PLAYED.

BOOKMARK ON PLAYING FILE IS AVAILABLE.

999 FILES CAN BE RECORDER AS MUCH AS MEMORY IS AVAILABLE.

(3) L-IN ENC

PLAY THE FILE IN L-IN ENC FOLDER.

FILE IS STAMPED IN LI001-128KBPS_040101_010101.MP3 IN SEQUENCE.

256FILES CAN BE RECORDED AS MUCH AS MEMORY IS AVAILABLE.

(4) FM ENC

PLAY THE FILE IN FM ENC FOLDER.

FILE IS STAMPED IN FM001-128KBPS_040101_010101.MP3 IN SEQUENCE.

256FILES CAN BE RECORDED AS MUCH AS MEMORY IS AVAILABLE.

(5) FM

RECEIVING RADIO STATION.

(6) B-MARK

* *B-MARK*

STORE FAVOITE SONGS.(2OFILES ARE AVAILABLE.)

BOOKMARK IS SET BY PRESSING STOP BUTTON ON THE MUSIC, L-IN ENC, FM_ENC MODE.

BOOKMARK IS DISPLAYED ON THE FILE INFORMATION.

* *M3U(WIN AMP)*

INITIALY PLAYLIST FOLDER EXSITS AND M3U FORMAT FILE CAN BE SAVED AND PLAYED.

32 FILES CAN BE STORAGED.

THE FONT IN THE SET MUST BE SAME AS THE FONT SELECTED IN M3U FILE.

(7) FOLDER

IF SET THIS MENU, ALL FOLDERS ARE DISPLAYED EXCEPTING VOICE, FM_ENC, LINE_ENC, PLAYLIST FOLDER.

IN SETING THE FOLDER, YOU CAN SEE FILE INFORMATION AND ONLY PLAY MP3/WMA FILE IN THE APPOINTED FOLDER.

☞ FOLDER SUPPORT SPEC.

- ROOT:512ENTRY(FOLDER+FILE)
- SUB DIRECTORY DEPT: 10DEPT INCLUDING ROOT
- LIMITATION OF SUB DIRECTORY: 512(INCLUDING ROOT AND RECORD FOLDER)

TO ENTER INTO "MAIN MENU", PRESS "MENU"BUTTON FOR 2-3SECONDS.

"REW/FF" BUTTON WORKS AS A MOVING BUTTON TO ANOTHER FUNCTION AND PRESS "MENU" OR "PLAY/PAUSE" BUTTON FOR SELECTION OF THE FUNCTION YOU WANT. BY PRESSING "REC/PAUSE" BUTTON AGAIN, YOU CAN GO OUT OF SUBORDINATE MENU. IF YOU DO NOT OPERATE ANY BUTTON AFTER ENTERING INTO MENU FOR 30 SECONDS, AUTOMATICALLY MENU FUNCTION WILL BE RELEASED.

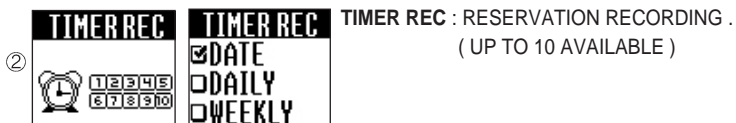| TIME | SOUND | DISPLAY | SYSTEM |

1.

| TIME |

USER CAN SET UP THE TIME RELATED TO PLAYER'S SYSTEM ON THIS MENU.

THIS MENU CONSISTS OF SET DATE, TIMER REC, ALARM PLAY, POWER OFF TIME, SLEEP TIME, INTRO TIME.

① **SET DATE :**
USER SETS UP DATE AND TIME.

SET UP DATE

- ENTER INTO TIME MENU AND SELECT "SET DATE".
- SET UP THE YEAR, MONTH, DAY WHEN YOU WANT BY PRESSING "REW/FF" BUTTON FOR MOVEMENT AND "MENU" OR "PLAY/PAUSE" BUTTON FOR SELECTION.

TIMER REC : RESERVATION RECORDING .
(UP TO 10 AVAILABLE)

② TIMER REC / TIMER REC ☑DATE ☐DAILY ☐WEEKLY

☞ USER MUST SET UP "SET DATE" FIRST.
- ON THE SETTING DISPLAY, NO. 1 CHANNEL WILL BE BLINKING.
- MOVE TO THE SPECIFIC NO. YOU WANT TO SET UP BY PRESSING "REW/FF"
  BUTTON AND PRESS "MENU" OR "PLAY/PAUSE" BUTTON FOR SELECTION.

SETTING UP TIMER REC
- THE FUNCTION HAS DATE/DAILY/WEEKLY, 3 MODES.
1. DATE (1 TIME)
a. ENTER INTO DATE.
   SET UP YEAR, MONTH, DAY BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION.
b. IF IT IS COMPLETED, AUTOMATICALLY DISPLAY TRANFERS TO TIME SETTING DISPLAY.
   TIME SETTING IS SAME AS THE PROCEDURE OF DATE.
2. DAILY (REC AT THE SAME TIME EVERYDAY)
a. ENTER INTO DAILY.
   SET UP HOUR, MINUTE BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION.
3. WEEKLY (REC AT THE SAME TIME PER WEEK)
a. ENTER INTO WEEKLY.
   SET UP HOUR, MINUTE BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION AND THEN SET UP AS SAME AS PROCEDURE OF DAILY.
- AFTER COMPLETING, "TIME" MARK WILL DISPLAY AND THEN IT WILL BE TRANSFERED TO
  INITIAL DISPLAY AND BLINKING NO.2 OR THE CHANNEL WHICH DOES NOT SET.
  YOU CAN SET UP TO SAME FILE UP TO 10.
   IF YOU WANT DELETE THE CHANNEL SET, PRESS "ERASE" BUTTON ON THE CHANNEL
   SETTING DISPLAY. "REW/FF" FOR YES/NO AND "PLAY/PAUSE" FOR SELECTION.
CAUTION
- RESEVATION MODE IS OPERATED IN VOICE AND FM MODES.
  FOR RESEVATION RECORDING THRU LINE-IN, PLUG LINE-IN CABLE AND THEN SELECT THE
  LINE-IN ON THE SYSTEM/INPUT SELECTOR MENU.
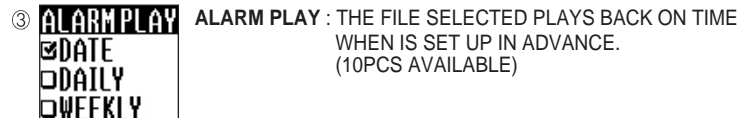- IF DO NOT SETTING UP "SET DATE", THIS MENU IS NOT DISPALYED.
- THE PAST TIME CAN NOT BE SET UP.
- CHECK THE TIME AVAILABLE FOR RECORDING BEFORE DOEN THIS.
- IF THE SELECTED FOLDER IS FULL OR MEMORY FULL, IT WON'T WORK.
  (VOICE MODE: 128PCS EACH FOLDER / FM ENC: 256PCS)
- RESERVATION RECORDING IS FIRST THAN OTHER FUNCTIONS EXCEPTING RECORDING

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③ ALARM PLAY ☑DATE ☐DAILY ☐WEEKLY

ALARM PLAY : THE FILE SELECTED PLAYS BACK ON TIME
WHEN IS SET UP IN ADVANCE.
(10PCS AVAILABLE)

SET UP THE ALARM PLAY
- THIS FUNCTION HAS DATE/DAILY/WEEKLY MODE.
1. DATE (1 TIME)
a. ENTER INTO DATE.
   SET UP YEAR, MONTH, DAY BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION.
b. IF IT IS COMPLETED, AUTOMATICALLY DISPLAY TRANFERS TO TIME SETTING DISPLAY.
   TIME SETTING IS SAME AS THE PROCEDURE OF DATE.
2. DAILY (PLAYBACK AT THE SAME TIME EVERYDAY)
a. ENTER INTO DAILY.
  SET UP HOUR, MINUTE BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION.
3. WEEKLY (PLAYBACK AT THE SAME TIME PER WEEK)
a. ENTER INTO WEEKLY.
   SET UP HOUR, MINUTE BY PRESSING "REW/FF" FOR MOVING AND "MENU" OR
   "PLAY/PAUSE" FOR SELECTION AND THEN SET UP AS SAME AS PROCEDURE OF DAILY.
- AFTER COMPLETING, "ALARM" MARK WILL DISPLAY AND THEN IT WILL BE TRANSFERED
  TO INITIAL DISPLAY AND BLINKING NO.2 OR THE CHANNEL WHICH DOES NOT SET.
  YOU CAN SET UP TO SAME FILE UP TO 10.
   IF YOU WANT DELETE THE CHANNEL SET, PRESS "ERASE" BUTTON ON THE CHANNEL
   SETTING DISPLAY. "REW/FF" FOR YES/NO AND "PLAY/PAUSE" FOR SELECTION.
CAUTION
- IN ALARM PLAY, ONLY THE FILE WHICH IS SET PLAYS AND THEN STOPS.
  IN CASE OF FM MODE, THE STATION WHICH IS SET IS ON AIR WITH BLINKING ALARM MARK.
- SETTING UP THE ALARM PLAY CAN BE DONE UNDER ALL MODES IS STOPPED EXCEPTING
 "B-MARK" MODE.
- IF DO NOT SET UP "SET DATE", IT WON'T EXACTLY WORK.
- IF YOU WANT TO SET UP THE PAST TIME, IT WON'T WORK.
- IF IT IS TIME FOR RESERVATION RECORDING IN ALARM PLAY, ALARM PLAY WILL BE
  STOPPED.
- ALARM PLAY IN OPERATING IS OPERATED FIRST THAN OTHER FUNCTIONS EXCEPTING
  RECORDING.

---

④ **POWER OFF**

🕙 **1min**

POWER OFF TIME : 1MIN, 3MIN, 5MIN, ALWAYS ON
AUTOMATIC POWER OFF TIME

⑤ **SLEEP TIME**

🕙 **15 min**

SLEEP TIME : OFF, 15MIN, 30MIN, 45MIN, 60MIN,
75MIN, 90MIN, 105MIN, 120MIN
AUTOMATICALLY TURN OFF AFTER THE TIME YOU SET UP.

⑥ **INTRO TIME**

🕙 **5sec**

INTRO TIME : 5SEC, 10SEC, 15SEC
PLAYING FILE BACK FOR THE TIME YOU
SET UP.

2. **SOUND**

◀)) **SOUND**
☑ **EQUALIZE**
☐ **3D SETTIN**
☐ **DEFAULT V**

THIS MENU HAS EQUALIZER, 3D SETTING, DEFAULT VOLUME.

① **EQUALIZER**
☑ **NORMAL**
☐ **CLASSIC**
☐ **LIVE**

EQUALIZER : NORMAL, CLASSIC, LIVE, POP, ROCK
YOU CAN SELECT THE EQUALIZER YOU WANT.

② **3D SETTING**
☑ **3D**
☐ **TREBLE**
☐ **BASS**

3D SETTING :
BASS/TREBLE AT 1,3,5,7,9,11,13,15 STEP PER EACH
ADJUST THE 3D-SOUND EFFECT LEVEL.

③ **DEFAULT VOL**
20

DEFAULT VOLUME : 20~29, OFF
IF SET UP THIS FUNCTION, THE DEFAULT VOLUME IS ON AT
THE LEVEL AFTER TURN ON.

3. **DISPLAY**

🖥 **DISPLAY**
☑ **FONT**
☐ **ID3 TAG**
☐ **SCROLL SP**
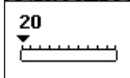
THIS MENU IS FOR SETTING UP DISPLAY AND CONSISTS OF FONT, ID3 TAG,
SCROLL SPEED, BACKLIGHT TIME, LCD CONTRAST.

① **FONT**
☑ **KOREAN**
☐ **ENGLISH**
☐ **JAPANESE**

FONT: KOREAN, ENGLISH, JAPANESE, CHINESE(SIMPLIFY +
TRADITIONAL), EUROPE, RUSSIAN
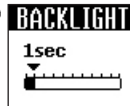YOU CAN SELECT THE LANGUAGE YOU WANT FOR ID3
TAG ON.

② **ID3 TAG**
☑ **OFF**
☐ **ON**

ID3 TAG : ON, OFF
DISPLAY FILE INFORMATION
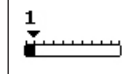1. ON : DISPLAY Title, Artist

③ **SCR. SPEED**
1

SCROLL SPEED : 0~10
SPEED CONTROL FOR FLOWING FILE INFORMATION ON THE
LCD UP TO 10LEVEL.

④ **BACKLIGHT**
1sec

BACKLIGHT TIME : OFF,1~9 SEC,ALWAYS ON
TIME FOR BACKLIGHT ON AND OFF(OFF-9SEC)

⑤ **LCD CONT.**
1

LCD CONTRAST : 1~10
LEVEL FOR BRIGHTNESS OF LCD(1-10LEVEL)

4. **SYSTEM**

SYSTEM
☑LANGUAGE
☐REPEAT
☐SYNC

THIS IS FOR PLAYER'S SYSTEM CONTROL.
THIS CONSISTS OF LANGUAGE, REPEAT, SYNC, ARS, INPUT SELECTOR, MIC
SENSITIVITY, RESUME, BITRATE, FM BAND, CONTINUE FOLDER, FORMAT,
DEFAULT.

① **LANGUAGE**
☑ENGLISH
☐GERMAN
☐JAPANESE

LANGUAGE: ENGLISH, GERMAN, JAPANESE,
CHINESE(SIMPLIFY + TRADITIONAL)
YOU CAN SELECT THE LANGUAGE YOU WANT
FOR MODE/MENU.

② **REPEAT**
☑NORMAL
☐REPEAT ON
☐REPEAT ON

REPEAT : NORMAL, REPEAT ONE, REPEAT ONE ALL, REPEAT
ALL, SHUFFLE
NORMAL: ALL FILES PLAY BACK IN SEQUENCE.
REPEAT ONE: ONLY CURRENT FILE PLAYS BACK
ONE TIME.
REPEAT ONE ALL: ONLY CURRENT FILE PLAYS
BACK REPEATEDLY
REPEAT ALL: ALL FILES PAY BACK REPEATEDLY
SHUFFLE: PLAY BACK RANDOMLY

③ **SYNC**
☑ OFF
☐AUTO SYNC

SYNC (ONLY IN LINE-IN RECORDING) : AUTO SYNC, OFF

- AUTO SYNC : IN RECORDING THE SOUND FROM EXTERNAL DEVICE THRU
LINE-IN, CREATING NEW FILE WITH STAMPING FILE NAME BY
RECOGNIZING AUTOMATICALLY THE END AND BEGINNING OF
THE SONG.
- OFF : IN RECORDING THE SOUND FROM EXTERNAL DEVICE THRU LINE-IN, ALL
SOUNDS OR SONGS ARE RECORDED INTO ONE FILE, IF YOU SEPARATE.

④ **ARS**
☑ARS OFF
☐ARS A
☐ARS B

ARS : A, B, OFF
IN RECORDING, IF THERE IS SOUND AT A WEAK
SOUND FOR A CERTAIN TIME, RECORDING PAUSES
AUTOMATICALLY FOR SAVING MEMORY, BUT IF THERE
IS SOUND AT SPECIFIC LEVEL AGAIN, START
RECORDING AGAIN.
(AUTOMATIC RECORDING SYSTEM)
- A : ALL SOUNDS ARE RECORDED INTO ONE FILE.
- B : THE SOUND AFTER PAUSING FOR 3 SECONDS, AUTOMATICALLY IT HAS ITS
OWN INDEX.

⑤ **INPUT SEL.**
☑EXT-MIC
☐LINE IN

INPUT SELECTOR : LINE-IN / EXTERNAL-MIC
IN RECORDING, SELECT THE
RECORDING METHOD.

⑥ **MIC SENS.**
☑MIC LOW
☐MIC HIGH

MIC SENSITIVITY : MIC LOW, MIC HIGH
SET UP THE SENSITIVENESS OF
MICROPHONE.

⑦ **RESUME**
☑ OFF
☐ ON

RESUME : ON, OFF
WHEN TURNNING ON AGAIN, THE SET RETURNS
TO ITS CONDITION BEFORE TURNNING OFF.
FOR SETTING, PRESS "PAUSE" BUTTON IN
PLAYING BACK AND THEN PRESS "PLAY/PAUSE"
FOR 2-3SECONDS.

- ON : PLAYING BACK FROM THE COUNTER WHERE IT STOPPED AT THE LAST.
- OFF : PLAYING BACK FROM THE INDEX WHERE IT STOPPED AT THE LAST.

⑧ **BIT RATE** `BIT RATE :` VOICE BITRATE, MP3 BITRATE
☑ VOICE
☐ MP3

BIT RATE : VOICE BITRATE, MP3 BITRATE
SET UP THE BIT RATE IN VOICE RECORDING, LINE IN AND FM RECORDING.
- VOICE RECORDING : SHQ(32Kbps), HQ(16Kbps), SP(8Kbps)
- MP3 ENCODE : 48Kbps, 64Kbps, 96Kbps, 128Kbps, 192Kbps, 256Kbps

⑨ **FM BAND**
☑ WORLD
☐ JAPAN
☐ EUROPE

FM BAND : WORLD, JAPAN, EUROPE
YOU CAN SELECT FM BAND YOU WANT.

1. WORLD: 87.50MHz ~ 108.00MHz, 100KHz STEP
2. JAPAN: 76.00MHz ~ 108.00MHz, 100KHz STEP
3. EUROPE: 87.50MHz ~ 108.00MHz, 50KHz STEP
   (DEFAULT: 87.50MHz)

⑩ **CONT. FOL.**
☑ OFF
☐ ON
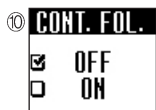
CONTINUE FOLDER : ON, OFF
IT WORKS IN VOICE MODE RECORDING.

- ON : IF INDEX RECORDED(128PCS) IS FULL FOR A FOLDER, AUTOMATICALLY MOVE TO NEXT FOLDER AND RECORDING CONTINUOUSLY.
- OFF : IF INDEX RECORDED(128PCS) IS FULL FOR A FOLDER, STOP RECORDING AND DISPLAY "INDEX FULL" ON THE LCD.
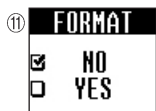
⑪ **FORMAT**
☑ NO
☐ YES

FORMAT : YES, NO
FORMAT ALL DATA RECORDED ON MEMORY.
☞ IT WON'T WORK IN PLAY/PAUSE & FM MODE.
DO IT WITH ENOUGH BATTERY POWER.
DO NOT TAKE THE BATTERY OUT IN FORMATING.
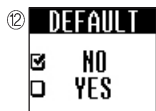
⑫ **DEFAULT**
☑ NO
☐ YES

DEFAULT : YES, NO
INITIALIZE ALL SETTING AND RETURN TO DEFAULT.

Record in Recording Mode

(1) RECORDING METHOD

THE SET HAS 4 WAYS TO RECORD AS BELOW.
1) RECORDING THRU INTERNAL MIC: JUST PRESS "REC" BUTTON.
2) RECORDING THRU EXTERNAL MIC: PLUG EXTERNAL MIC INTO LINE IN JACK.
    SELECT EXTERNAL MIC ON SYSTEM/INPUT SELECTOR.
    PRESS "REC"
3) RECORDING THRU LINE IN FROM EXTERNAL DEVICE: PLUG LINE-IN CABLE INTO LINE IN JACK.
    SELECT LINE-IN ON SYSTEM/INPUT SELECTOR. PRESS "REC"
    REFER TO "CONNECTING EXTERNAL DEVICE"
4) RECORDING FM RADIO: REFER TO "FM RECORDING".

(2) MAIN FEATURES

1) MONITORING RECORDING STATUS
    IN RECORDING, YOU CAN CHECK WHAT IS RECORDING THRU EARPHONE.
2) CHECK REMAINNING TIME TO BE ABLE TO RECORD
    YOU CAN CHECK THE REMAINNING TIME BY PRESSING "PLAY/PAUSE" BUTTON IN RECORDING.
3) SEPARATING FILE IN RECORDING
    YOU CAN SEPARATE FROM THE CURRENT RECORDING FILE RECORDED OVER 5 SECONDS BY PRESSING "FF" BUTTON IN RECORDING AND CREATING NEW INDEX.

☞ IF THERE IS NO ENOUGH SPACE FOR RECORDING, THE FUNCTION WON'T WORK.

IF RECORDING TIME IS FULL, "MEMORY FULL" IS DISPLAYED.
UP TO 1024 PCS AVAILABLE FOR RECORDING IN VOICE MODE.

UP TO 256 PCS AVAILABLE FOR RECORDING IN L-IN & FM ENC MODE.

Connecting External Device

(1) RECORDING FROM EXTERNAL DEVICE OR SET

1) RECORDING EXTERNAL DEVICE TO DDR-5100
CONNECT THE PROVIDED AUDIO CABLE TO LINE IN JACK ON THE SET.

2) RECORDING DDR-5100 TO EXTERNAL DEVICE
CONNECT THE PROVIDED AUDIO CABLE TO EARPHONE JACK ON THE SET AND MICROPHONE OR LINE IN ON THE EXTERNAL DEVICE.
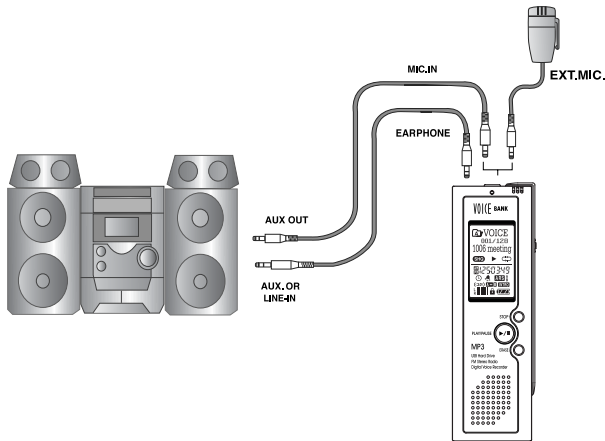
☞ WHEN CONNECTING EXTERNAL DEVICE, TURN OFF THE DEVICE AND SET.

READ AN EXTERNAL DEVICE'S MANUAL YOU WOULD LIKE TO CONNECT WITH ENOUGH TIME AND CAREFUL.

WHEN RECORDING FROM EXTERNAL DEVICE TO SET, VOLUME DOWN THE EXTERNAL DEVICE.

WHEN RECORDING FROM SET TO EXTERNAL DEVICE, SET THE VOLUME OF THE SET AT THE MIDDLE.

(2) RECORDING FROM TELEPHONE AND MOBILE PHONE
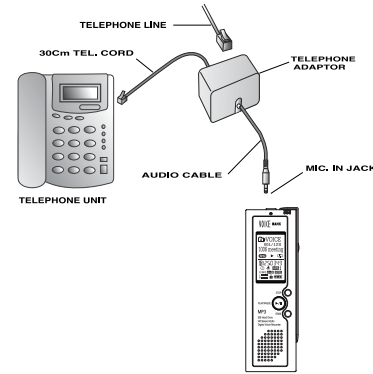
CONNECT LINE-IN CABLE TO THE MICROPHONE JACK ON THE VOICE RECORDER AND TELEPHONE ADAPTOR. CONNECT TELEPHONE CABLE TO TELEPHONE ADAPTOR.

PRESS "REC" BUTTON FOR RECORDING. IF YOU SET UP THE "ARS", AUTOMATICALLY START RECORDING AND PAUSING ACCORDING TO THE SOUND LEVEL.
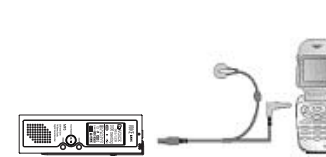
CONNECT "CELLULAR EAR MICROPHONE" ONTO EXTERNAL MICROPHONE ON THE SET AND EARPHONE JACK ON THE MOBILE PHONE.

☞ CELLULAR EAR MICROPHONE IS OPTIONAL ITEM AND YOU MAY ASK RETAILER THAT YOU CAN PURCHASE.

IF YOU CELLULAR IS NOKIA BRAND, YOU MUST CHECK "CELLULAR EAR MICROPHONE" IS COMPATIBLE OR NOT.
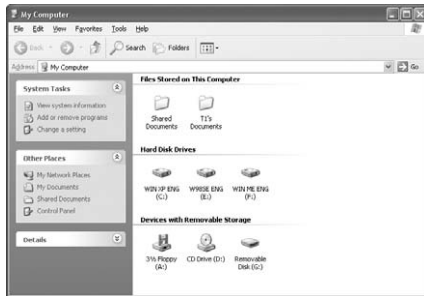
Installation Of Windows 98SE Driver

IT SUPPORTS USB MASS STORAGE AND IT CAN BE USED AS HARD DRIVE. IT CAN BE CONNECTED TO PC DIRECTLY WITHOUT ANY APPLICATION BY PLUG & PLAY METHOD ON WINDOWS ME, 2000, XP EXCEPT FOR WINDOWS 98SE.

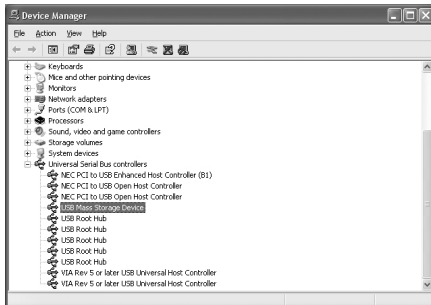**HOW TO INSTALL DRIVER**

(1) In case of Windows ME, 2000, XP

WHEN CONNECTING DEVICE TO PC BY USB PORT, "NEW HARDWARE DETECTED" IS SHOWN AND INSTALLATION BEGINS AUTOMATICALLY.

* IF YOU CLICK [MY COMPUTER], THE SET IS RECOGNIZED AS A PORTABLE DISK (F:) ON [MY COMPUTER] WINDOW. (*WINDOWS XP).

* WHEN THE USB DRIVER IS INSTALLED NORMALLY, IT IS RECOGNIZED AS A USB

MASS STORAGE DEVICE AT DEVICE MANAGER IN MY COMPUTER.

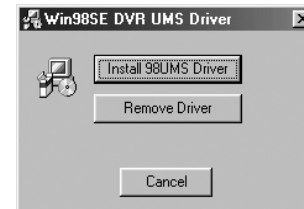**(2) In case of Windows 98 SE**

1 INSERT THE PROVIDED CD & IT WILL INDICATE HOW TO INSTALL.

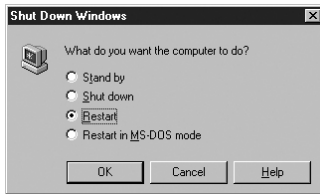
2 DOUBLE CLICK "DVR-II-WIN98SE.EXE"

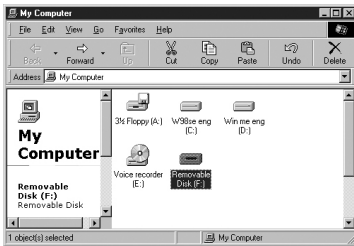3 CLICK "INSTALL 98UMS DRIVER" AND AUTOMATICALLY INSTALL.

4 WHEN IT IS COMPLETED, BELOW POP-UP WILL APPEAR. CLICK "YES"

DVR-II-WIN98SE

Setup will be completed after Reboot!!

OK

CLICK FOR REBOOTING THE COMPUTER.

Shut Down Windows

What do you want the computer to do?

○ Stand by
○ Shut down
● Restart
○ Restart in MS-DOS mode

OK   Cancel   Help

AFTER REBOOTING, CONNECT THE SET & PC THRU USB CABLE. BELOW WINDOW WILL APPEAR.

My Computer

File Edit View Go Favorites Help

Back Forward Up Cut Copy Paste Undo Delete

Address My Computer

My Computer

3½ Floppy (A:)   W98se eng (C:)   Win me eng (D:)

Voice recorder (E:)   Removable Disk (F:)

Removable Disk (F:)
Removable Disk

1 object(s) selected   My Computer

7 EVERYTHING IS SUCCEED, ITCAN BE APPEARED AT SYSTEM PROPERTIES.

System Properties

General Device Manager Hardware Profiles Performance

● View devices by type   ○ View devices by connection

Computer
CDROM
Disk drives
DDR-5100 UMS SYSTEM
GENERIC IDE DISK TYPE47
GENERIC NEC FLOPPY DISK
Display adapters
Floppy disk controllers
Hard disk controllers
Keyboard
Monitors
Mouse
Network adapters
Other devices
Ports (COM & LPT)

Properties Refresh Remove Print...

OK   Cancel

* REMOVING USB MASS STORAGE SAFELY.

(1) Windows ME, 2000, XP

WHEN THE SET REMOVE FROM CONNECTION, IT SHOULD DO IT THRU PROPER PROCEDURE AS BELOW. IF NOT, IT MIGHT CAUSE SERIOUS PROBLEM IN DATA.

1 CLOSE THE FILE TO OPEN.

LEFT CLICK " " BELOW THE WINDOW OF PC. IF SO, TOOL BAR AS BELOW WILL APPEAR AND CLICK THE TOOL BAR.

Safely remove USB Mass Storage Device - Drive(G:)

OR RIGHT CLICK " " BELOW WINDOW WILL APPEAR, SO FOLLOW UP THE DIRECTION.

Safely Remove Hardware

Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.

Hardware devices:

USB Mass Storage Device

USB Mass Storage Device at Location 0

Properties Stop

□ Display device components

Close

CLICK "DDR-5100 UMS SYSTEM USB Device".

Stop a Hardware device

Confirm devices to be stopped, Choose OK to continue.

Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.

USB Mass Storage Device
Generic volume - (G:)
DDR-5100 UMS SYSTEM USB Device

OK   Cancel

WHEN BELOW TOOL BAR APPEAR, REMOVE THE SET FROM PC.

Safe To Remove Hardware

The 'USB Mass Storage Device' device can now be safely removed from the system.

(2) Windows 98SE

REMOVE IT FROM PC WITHOUT ANY PROCEDURE. AS Windows ME, 2000, XP.

Uninstallation of Windows 98SE

THE PROVIDED CD CONTAINS UNINSTALLING PROGRAM AUTOMATICALLY.

1 INSERT THE PROVIDED CD.

2 DOUBLE CLICK "DVR-II-WIN98SE.EXE"
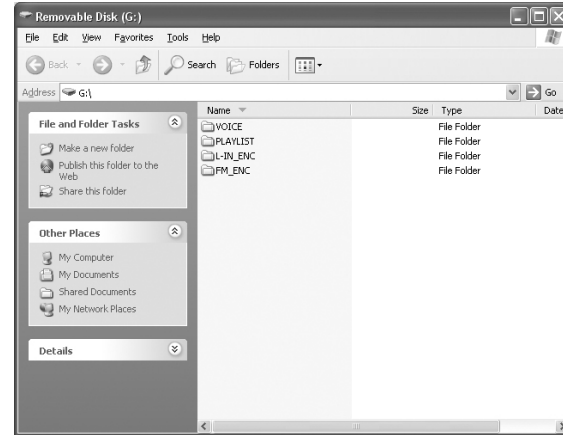

3 CLICK "REMOVE DRIVER"

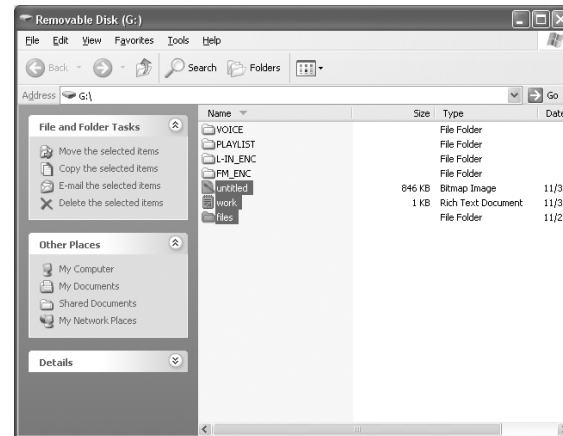4 WHEN IT COMPLETE, BELOW WILL APPEAR AND CLICK "OK"
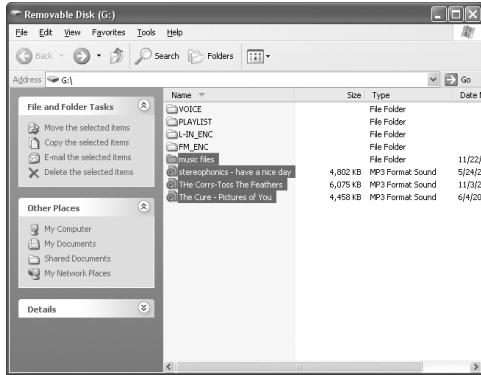

Managing Folders and Files

(1) DEFAULT FOLDERS

◈ WHEN YOU CONNECT THE UNIT TO PC, YOU CAN FIND THAT THE VOICE, L-IN_ENC, FM_ENC & PLAYLIST FOLDERS ARE CREATED AS A DEFAULT.
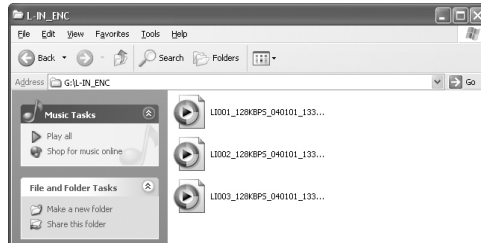
(2) ALL FILE FORMATS CAN BE STORED AND REMOVED.

(3) AUDIO MODE IS NOT DEFAULTED LIKE VOICE, L-IN_ENC, FM_ENC. CREAT IT ON THE PC AND CAN CHECK IT AT FOLDER & MUSIC MODE.

☞ THE CREATED FOLDER BY USER CAN BE CHECKED AT FOLDER ON THE MODE MENU AND ONLY MUSIC FILE IS DISPLAIED ON MUSIC MODE. FOLDER DOES NOT APPEAR.
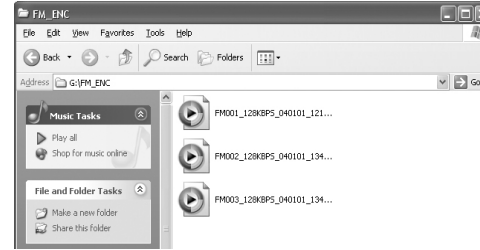
(4) LINE IN MODE

☞ LINE IN MODE CONTAINS THE RECORDED FILES FROM EXTERNAL DEVICES THROUGH THE LINE-IN CABLE.

☞ WHEN RECORDING DATA, UP TO 256 FILES CAN BE CREATED IN SEQUENCE. IF THE NUMBER OF FILES EXCEEDS 256, THE "INDEX FULL" MESSAGE IS DISPLAYED.
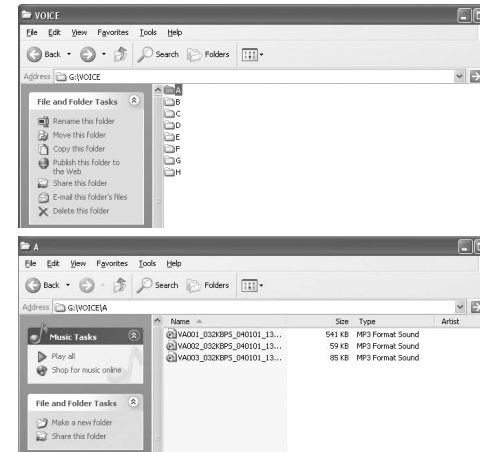
(5) FM_ENC MODE

☞ FM_ENC MODE CONTAINS THE FILES RECORDED IN LISTENING TO RADIO.

☞ WHEN RECORDING DATA, UP TO 256 FILES CAN BE CREATED IN SEQUENCE. IF THE NUMBER OF FILES EXCEEDS 256, THE "INDEX FULL" MESSAGE IS DISPLAYED.

(6) VOICE MODE

☞ VOICE MODE CONTAINS THE VOICE RECORDING FILES.

☞ WHEN RECORDING DATA, UP TO 1024 FILES CAN BE CREATED IN SEQUENCE. IF THE NUMBER OF FILES EXCEEDS 1024, THE "INDEX FULL" MESSAGE IS DISPLAYED.
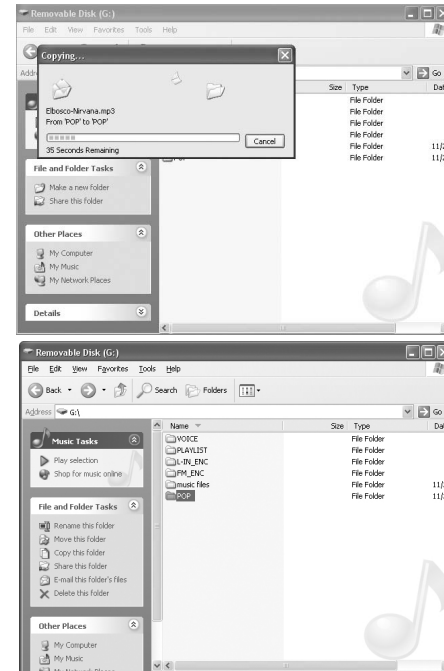
Deleting Files

THIS WORK IS SAME AS DONE IN PC.

Downloading Files

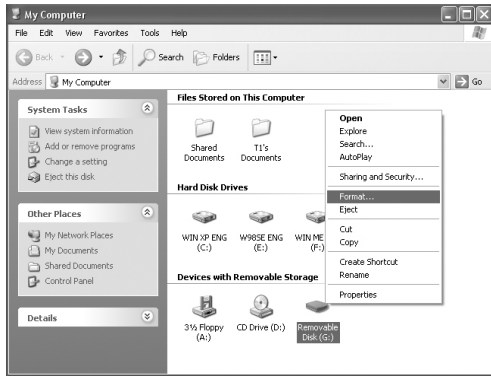COPY MUSIC FILES OR DATA FROM PC FOLDER AND DOWNLOAD THEM TO DEVICE.

• Don't detach USB cable under the condition file delete or file transfer. It might cause data loss or could break down.
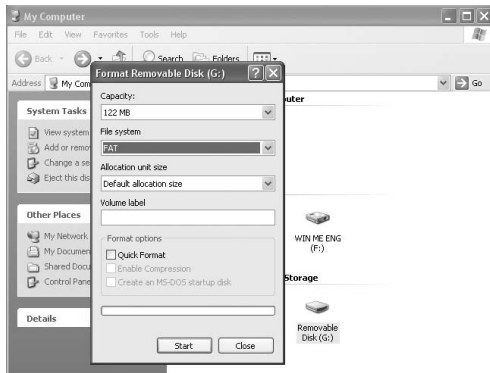
Formatting Files

(1) FORMAT on PC

① GO TO [MY COMPUTER], CHOOSE PORTABLE DISK(F:) AND CLICK RIGHT BUTTON OF MOUSE. FOLLOWING TOOLBAR APPEARS. AT THE TIME, CLICK FORMAT.

② CLICK 'START' WHEN FOLLOWING WINDOW APPEARS.

☞ THIS SET DOSE NOT SUPPORT "FAT32". FORMAT MUST DO IN SETTING "FAT".

③ CLICK 'OK'.
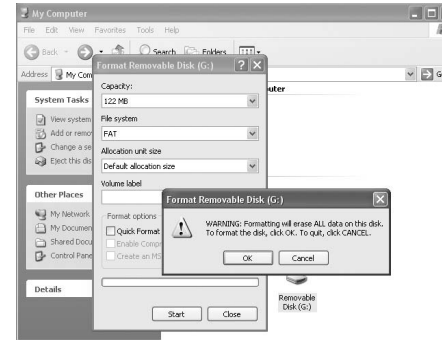
④ FORMAT IS COMPLETED.
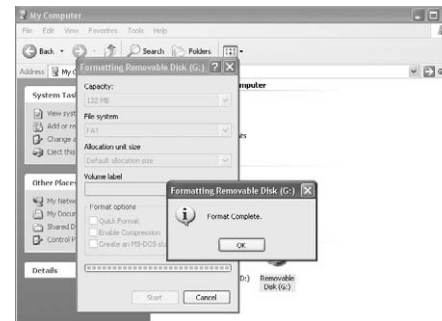
☞ DO NOT TAKE THE SET AWAY DURING FORMATTING. IT MAKE SERIOUS PROBLEM TO SET.

- IF FORMATTING IN FAT32, DO IT BY FAT AT THE PC AGAIN.
- AFTER REMOVING THE SET FROM PC IN FORMATTING WITH FAT32, "SYSTEM ERROR PLEASE FORMAT" WILL BE NOTICED ON THE SET. IF SO, PRESS "MENU" WITH LONG KEY AND THEN GO INTO SYSTEM/FORMAT IN THE MENU AND TRY TO FORMAT AGAIN.

Firmware Upgrade UPGRADE

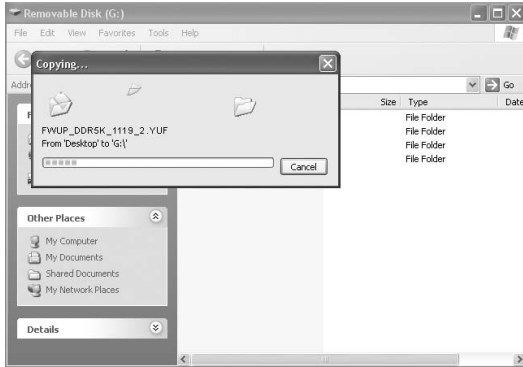THIS DEVICE HAS THE FEATURE WHICH IS TO IMPROVE FUNCTION AND CORRECT ERROR BY UPGRADING FIRMWARE.
YOU CAN DOWNLOAD UPGRADE FILE BY CONNECTING TO WEBSITE.

• Before having Firmware upgrade, save the data in PC or other device. After this, start format of DDR- 5100 by the channel of MENU/ SYSTEM/ FORMAT.

1) COPY THE FIRMWARE AT THE ROOT DIRECTORY IN THE SET.

2) REMOVE THE SET & TURN OFF.

3) WHEN TURN ON, IT WILL UPGRADING AUTOMATICALLY AS BELOW.

Firmware Upgrading 00%	Upgrade Completed
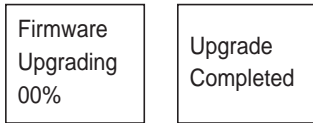
After completed upgrading, set turn off AND TURN ON automatically

BEFORE UPGRADING, BATTERY STATUS MUST BE CHECK. IF THE STATUS IS LOW, CHANGE IT.
IT MIGHT CASUE SERIOUS PROBLEM TO THE SET.

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General Specification

MODEL		DDR-5100 (064MB)	DDR-5100R (128MB)	DDR-5100R (256MB)	DDR-5100R (512MB)	DDR-5100R (1GB)
VOICE RECORD	RECORDING TIME	SHQ:260min HQ:520min SP:1040min	SHQ:530min HQ:1060min SP :2120min	SHQ:1060min HQ:2120min SP :4240min	SHQ:2120min HQ:4240min SP :8480min	SHQ:4240min HQ:8480min SP :16960min
	RECORDING MODE	MP3 FORMAT : SHQ(32Kbps) / HQ(16Kbps) / SP(8Kbps)				
	FOLDER	A/B/C/D/E/F/G/H (8 FOLDER) Total 1024 Messages with 8 Separate Folder (128 Messages in Each Folder)				
	ARS	Automatic Recording System (A-TYPE: ONE INDEX, B-TYPE: +INDEX)				
	FM RECORDING	World Wide FM band / Japan FM band / Europe FM band				
	EXT-MIC	Pin Mic				
	MEMORY TYPE	Built-in Flash Memory (64MB/128MB/256MB/512MB/1GB)				
	S/N	60dB (62dB input 1Khz, speaker output 50mW: SHQ mode)				
	DISTORTION	1.5% ±0.2 (62dB input 1KHz , speaker output 50mW : SHQ mode)				
	FREQUENCY RESPONSE	300Hz ~ 4.0KHz (-6dB)				
	OUTPUT	Max 80mW(speaker 8ohm)				
	REPEAT MODE	Normal/ One/One repeat/All/Shuffle/A↔B repeat				
	RECODING MDOE	One messages / all messages in file				
	INTRO PLAY	5/10/15 sec in each messages				
	SEARCHING	Easy file search & messages search				
	ALARM PLAY	10 program (Date / weekly(sun/mon/tue/wed/thu/fri/sat) / daily)				
	TIMER RECORDING	10 program (Date / weekly(sun/mon/tue/wed/thu/fri/sat) / daily)				
FM RADIO	S/N	60dB at 1mv 98.1MHz				
	DISTORTION	0.8%(max) at 1mv 98.1MHz △f=22.5KHz				
	FREQUENCY RESPONSE	350Hz ±30Hz, 3KHz±0.25KHz(100Hz~10KHz, 60dBuV)				
	OUTPUT	Max 80mW (speaker 8ohm)				
	FREQUENCY RANGE	World Standards : 87.5 ~ 108MHz(100KHz step) Europe Standards : 87.5 ~ 108MHz(50KHz step) Japan Standards : 76 ~ 108MHz(100KHz step)				
MP3	BIT RATE	MP3 FORMAT : (256/192/128/96/64/48Kbps)				
	S/N	85dB up (1KHz input 0dB)				
	DISTORTION	0.3% ±0.1 (1KHz input 0dB)				
	FREQUENCY RESPONSE	20Hz~20KHz				

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MP3	OUTPUT EARPHONE	Max 5mW (16ohm)			
	EQ	EQ : Normal / Classic / Live / Pop / Rock			
	INTRO PLAY	5/10/15 sec in each track			
	SEARCHING	Easy track search & track search			
	REPEAT	Normal/ One/ One All/ All/ Shuffle/ A↔B			
PC interface	INTERFACE	Mass Storage USB 1.1			
	SYSTEM	CPU 200MHz more than , RAM 64MB more than, 20MB of free space			
	OS	Windows98SE , Windows2000 , Windows ME , Windows XP, OVER Mac OS9.2, OS10			
	SOUND CARD	Sound blaster 16 compatible			
	DISPLAY	640 ×480 more than			
INPUT / OUTPUT DEVICE	EXT. MIC	⌀3.5 plug-in power microphone(mini plug/stereo) IMP less than 3K Ω			
	EARPHONE	⌀3.5 earphone(mini plug/stereo) IMP less than 16 Ω			
	DC JACK	HOLE : ⌀2.75, Dia : ⌀0.65			
	USB	Mini jack (PC : A TYPE)			
SPEAKER	DIAMETER	⌀23 (IMP 8Ω)			
	MAX. OUTPUT	80mW (volume max)			
VOLUME LEVEL.		Digital volume (30 step)			
EL BACK LIGHT		COLOR (BLUE)			
MEMORY		NAND Flash Memory (64MB/128MB/256MB/512MB/1GB)			
LED		Recording indicator display LED (RED)			
LCD	DOT	80X64			
	ICON DISPLAY	COUNTER,TIMER,ALARM,ARS,3DS,NTRO,L R SPECTRUM,HOLD,BATTERY			
	DOT DISPLAY	MODE, MENU, INDEX, FILE NAME, EQ, REPEAT, PLAY SPEED			
PALYBACK SPEED		Slow (80%) , Fast (120%)			
ADAPTER		DC3V / 200mA (CE,CUL,T,FCC)			
OPERATING KEY		FF / PLAY(PAUSE) / REW , MENU / REC(PAUSE) / STOP / ERASE / VOL+ / VOL- , HOLD			
ENVIRONMENT		5°C ~ 35°C			
POWER		3V , LR03 , two alkaline battery('AAA' size or UM-4)			
BATTERY LIFE	VOICE PLAY	Approx. 22hour during the voice play(earphone output: volume middle position)			
	VOICE RECORDING	Approx. 14hour during the voice REC(earphone output: volume middle position)			
	RADIO RECEPTION	Approx. 22hour during the radio play(earphone output: volume middle position)			
	MP3 PLAY	Approx. 17hour during the MP3 play(earphone output: volume middle position)			
ACCESSORY		STEREO EARPHONE, LINE-IN CABLE, USB CABLE, TELEPHONE ADAPTOR, HAND STRAP, MANUAL, CD FOR WIN98SE DRIVER, EXTERNAL MIC, EXTERNAL ANTENNA, BATTERY			
OPTIONAL ITEM		REMOTE CONTROLLER(MODE/ FF/ PLAY(STOP)/ REW/ REC(PAUSE)/ VOL+/-) DC ADAPTOR/ CELLULAR EAR MICROPHONE			
SIZE		H 100 × W 31 × D 14			

Inquiry of A/S

When damage to device occurs, stop the use of the product and request for after service from our customer support staff at DIASONIC TECHNOLOGY CO.,LTD.

Phone: 82-31-474-0852 Ext.102, 103

Warranty Card(provisions)

We offer free repair service for product that malfunction under normal use, up to 1year from the original purchase date.

If breakdown occurs during warranty period mail product and the warranty card.

Warranty will be invalid if purchased date, purchase price and place of purchase price and place of purchase are missing from the receipt.

Please check and if the information is not written on the product refer to customer service at

DIASONIC TECHNOLOGY CO,.LTD.

This warranty will not be reissued, so keep it safely.

<Free repair regulation>

1. Our product has gone through strict quality control and inspection.
   If breakdown occurs from normal condition during warranty period you may receive free repair from our customer service department.

2. Even during warranty period, following situation will not grant free repair service.

1) If you do not have a warranty card.

2) If purchased year, month, day, name of customer and sales market are not written on the warranty card, Or if written information is modified.

3) Breakdown or damage by mishandling of user.

4) Breakdown or damage by users own repair or modification.

5) Breakdown or damage caused by fire, pollution, and natural disaster.

6) Breakdown or damage caused by lealcage from battery.

7) When accessories(battery) need replacement.

<Request when mailing>

Please beware of following when mailing.

1. Contact our customer service department to receive a RMA # before mailing in the product.

2. Please enclose warranty card with the product when mailing during warranty period.
   Please wrap in shock absorb material and put in box, mailing fee, wrapping fee, and any damage caused during mailing will be charge to a customer.

3. To prevent loss, please use registered mail.

Warranty Card

Product Category : Digital Voice Recorder
Model : DDR-5100
The Term of Guarantee : 1 Year
Date of Purchase :   .   .   .

	Name	
PURCHASER	Address	
	Telephone	
	Name	
SELLER	Address	
	Telephone	

● Please refer to our customer service department for any information or breakdown on the product

● Exchange, repair(charge. Free), refund and parts keeping period is depended on regulation of customer protection.

● Any questions or if you want to know more information about the product please contact DIASONIC TECHNOLOGY CO., LTD.

● This warranty is only applicable to a product purchased through authorized channel owned stores and dealers and to a product that is presented for repair in a country where DIASONIC offers the product for sale.

Manufactured by **DIASONIC TECHNOLOGY CO., LTD**
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