

APPENDIX H
: USER'S MANUAL

www.mobiblu.com

User Manual

DAH-1900

- Playing multitude formats of digital files
- Music recording (MP3 Direct Encoding)
- Voice recording
- FM Radio listening & recording
- Stop Watch

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SRS is a registered trademark of SRS Labs.
WOW Technology is an intellectual property of SRS Labs.

1

Getting Started

Carefully read this part before using the product. The Safety Precautions are classified into three categories; Danger, Warning and Caution. We are not responsible for any damage or loss from being not in conformity with these precaution provisions.



Danger

Danger : User may be endangered to death or any major injury when not in conformity with the provisions with this mark.



Warning

Warning : User may be subject to any major injury when not in conformity with the provisions with this mark.



Caution

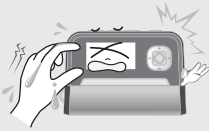
Caution : User may be subject to any minor injury or property damage when not in conformity with the provisions with this mark.

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Safety Precaution

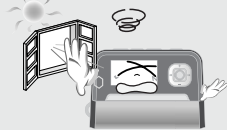
- Don't touch the product with a wet hand.

⚠ Warning



- Don't put the product close to any heating device or under direct sunlight.

⚠ Caution



- Immediately reset the product when it generates excessive heat or burning smell, and then contact our A/S agent for repair.

⚠ Warning



- Don't use earphone set while riding a bicycle, motorcycle, or driving a car.

⚠ Warning



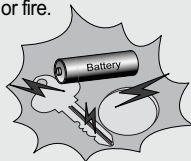
- Listening to sound sources in higher volume may cause auditory disorder.

⚠ Warning



- Don't carry the product in the pocket with metal parts such as coin or key. It may generate high heat or fire.

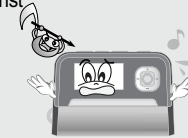
⚠ Warning



Safety Precaution

- Distributing music files without authorization is against copyright law.

⚠ Caution



- Don't disassemble or modify the product.

⚠ Caution



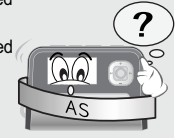
- Never use any chemical or cleanser. It may damage the surface of product.

⚠ Caution



- The manufacturer is not responsible for any damaged data saved in the product if the product error was caused by user's carelessness.

⚠ Caution



- Avoid the product from dropping or excessive shock.

⚠ Caution



- Avoid humidity or dusty area.

⚠ Caution



Special Features



Sharp-cut/crisp OLED

Blue colored self-illuminant organic EL is used as the main screen with optimum harmony between black background and blue texts. This organic EL LCD provides you very sharp-cut color, comfortable-to-eye display and elegant high-end screen quality.



150-hour of play time

The play time of the product is up to 150 hours with one AAA type battery.



USB fast transmission

USB connection enables you to download/upload files very quickly.



Portable/cute size

This cute sized product has been designed for the use with only one hand.



Removable Disk (Mass Storage)

By connecting the product to PC, the Windows system identifies it as a removable disk. No extra effort to install additional software in the PC is required. All other file formats can be saved in the product.

Special Features



Voice recording

High performance microphone built in the product enable you to use multitude functions for voice recording.



Music recording

By connecting with CD player, walkman, audio and other sound sources you can record the sources as digital files while you are enjoying them.



FM Radio listening & recording

Enjoy FM radio with this product as well as digital music files. You can also record your favorite FM programs as music files.



Firmware Upgrade

If any modification in the functions is required by manufacturer, you may easily upgrade the firmware by simple manipulation



Language-learning Aid

With all convenient and essential functions for language-learning such as section-repeat, sectional FF/REW, resumption, bookmark and others the product enables you to study languages very effectively.

Special Features



Multi-Codesc

The product support Multi-codesc to allow you to enjoy not only MP3 files but also WMA, WAV, OGG, JPEG, MPEG-4 and other media files.



SRS 3D

You can now enjoy 3D Surround Stereophonic music with a tiny MP3 player! This SRS function offers you not only 3D Surround music but deep and abundant tone with the aid of enhanced bass.

Specification

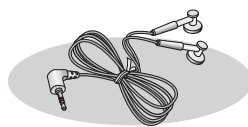
Class	Items	Specifications
FM Tuner	FM Frequency Range	87.5MHz ~ 108.0MHz
	Headset Output	Max. 7mW (16Ω), at Max. Volume
	S/N ratio	50dB
	Antenna	Headset/ Earphone code antenna
Audio	Frequency Characteristic	20Hz ~ 20KHz
	Headset Output	Max. 15mW (16Ω) Max. Volume
	S/N ratio	90dB
File	File Type	MP3, WMA
	Bit Rate	MP3 : 8~320Kbps, WMA : 32~192Kbps
USB	Downloading Speed	20Mbps
Recording hours		2080 minutes for voice recording (with 512MB and based on 32Kbps)
Max. Playback hours		150 hours
Operational Temperature		-5℃~70℃
Size (W x H x D mm)		40 X 80 X 15.5 (mm)
Weight (g)		35 (g)
Battery		Li-Ion

Accessories

Depicted images shown below are provided only for your appreciation and they may be different from real products.



USB Cable



Earphone



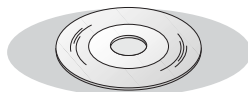
Portable Case



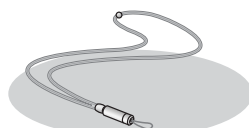
User Manual



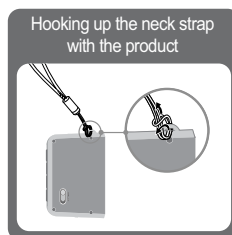
Line-in Cable



Program CD



Neck strap

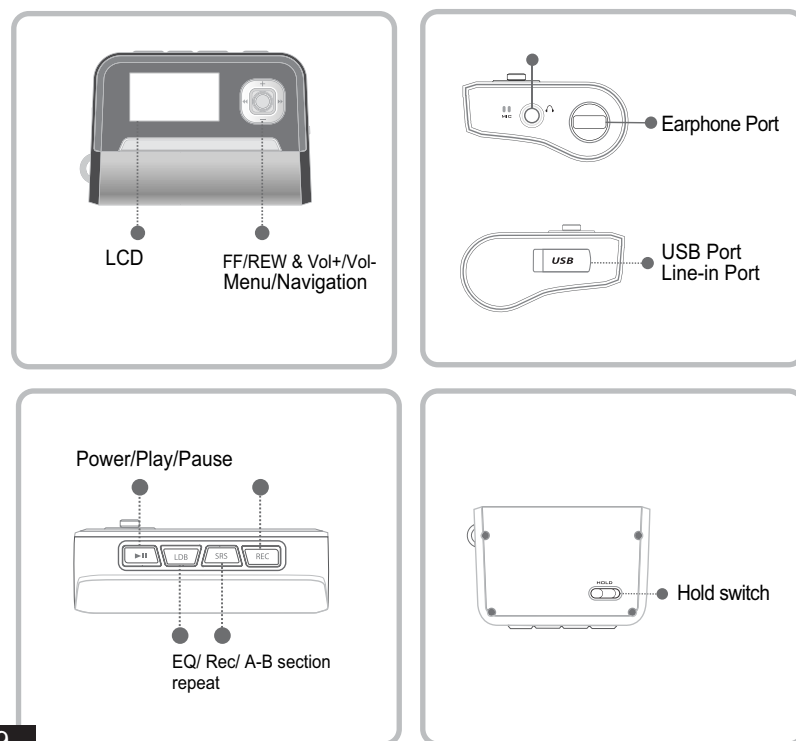


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Basic Use of the Player

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Location of Controls



9

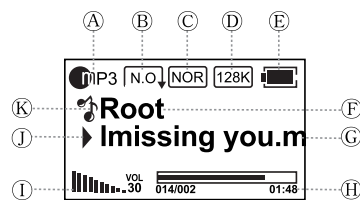
Buttons

 Play button	• Power On/Off • File play/ pause • Shift to the previous/next file • Searching within the track • Search -shift to Up/ Down/ Left/ Right in menu/navigation mode
 Menu button	• Enter Menu/ Navigation mode • Mode set value save • Shift to the sub folder in navigation
 Record button	• Voice, Music, FM radio recording • A - B section repeat in play mode/ EQ selection in stop mode • Shift to preceding stage in menu mode • Release of navigation
 Volume button	• Increase/ decrease of volume
 Hole switch	• Hold of all key functions

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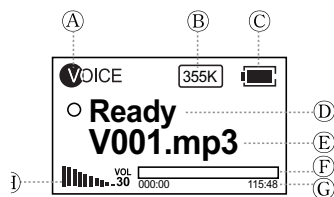
LCD

Music mode display you may listen to all saved music files in this mode



- A : File format in play
- B : Play mode
- C : EQ/SRS
- D : Bit-rate
- E : Battery capacity
- F : Folder name
- G : File name
- H : File elapsing time
- I : File number
- J : Volume
- K : Status of Files
- L : Modes

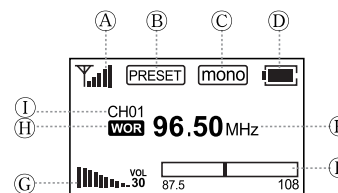
Record mode display Voice/ music recoding available in this mode



- A : Recording status
- B : Bit-rate
- C : Battery capacity
- D : Recording process
- E : Record elapsing time/ remaining time
- F : Recording status
- G : Recorded file name
- H : Volume

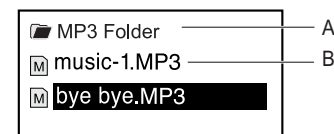
LCD

FM Mode Display you can enjoy stereo FM radio in the mode.



- A : Antenna mark in receiving / no mark in ready
- B : Auto/ Manual
- C : Preset No. 1 to 20
- D : Mono/ Stereo
- E : Battery capacity
- F : Frequency
- G : Frequency sensitivity
- H : Preset mode
- I : Volume

Navigation mode display you may search stored files in the mode.



A: Folder B: File

About Power

1. When initially turning on the product, the battery status may vary. It is stabilized 5 to 6 seconds after the power ON.



2. According to its characteristic, when using commonly used battery, the player may not work even with the battery capacity display in its medium position. Replace the battery. (Alkaline battery lasts longer than Manganese battery.)

Battery	MP3 playing
Alkaline type	15 hours (1.5V AAA X 1)

3. Continuous play hours

- ① 1 battery: 15 hours (AAA alkaline)
- ② MP3 : 128Kbps
- ③ with Vol 15, Normal
- ④ Above result is subject to variation according to the type, the manufacturer and the use condition of battery.



※Replace the battery in case with the following symptoms;

- ① “Low Battery” displayed on LCD.
- ② Button is not functioning or stops its function soon after the trial.
- ③ LCD does not activate at the pressing of any button.

USB Connection

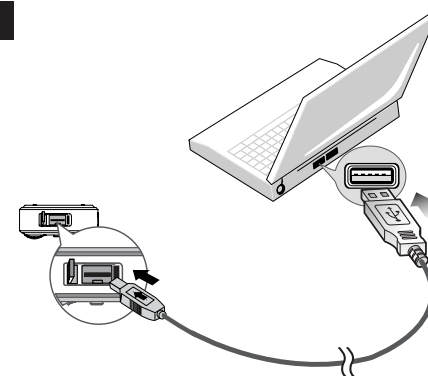


- What's USB (Universal Serial Bus)? This is a new connection system between PC and peripheral devices.
- Connect the USB cable supplied with the product into a USB port in PC. Any unexpected error can be happened when connecting to the USB port in front of PC or USB hub.
- The product can not be identified in the PC with Windows 98SE or lower. Install program CD supplied with the product in the PC.

Connection with USB cable

- 1** Open USB port cover on the back.

- 2** Connect between PC and the product using the USB cable supplied in the package.



USB Disconnection

■ In case with Windows ME, 2000 and XP;

- 1 Double click on the green arrow on the right-bottom part of the initial Window screen.



- 2 Click on Stop and OK after selecting "USB High Capacity Storage Device" and click on OK once again.



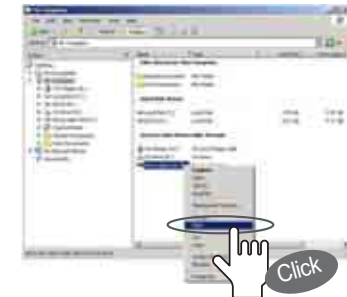
USB Disconnection

- 3 Click on OK on "Safety removal of the hardware" message bar and then remove the cable.



■ In case with Windows 98SE

Open "My Computer" or "Windows Search" and choose "Removable Disk." Choose "Remove" using the right button of mouse and then remove the USB cable.



Note!

- Removing the cable without following above instruction will display a warning message and may cause a fatal error in PC or the product.
- Removing the cable while downloading or uploading files, or formatting the product may cause a fatal error in PC or the product.

[illegible]

Music Mode

Power ON/OFF	19
Listening	20
Navigation	21
(Folder searching in play mode)	
Hold/ EQ	22
Setting section-repeat	23
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Power On/Off

Turning ON the power



Press

➡ and hold to turn the power on.



- Only the intro message displays when the product is in HOLD.
- Replace the battery when LCD is not activated.

Turning OFF the power



Press

➡ and hold to turn the power off.



- When no button manipulation in pause or stop condition is done for the set period time for "Auto Power Off," it automatically turns off the power.
- When you try to play a file by pressing after the restarting of the product, it completely recovers all previous setting. All track numbers, equalizer and other settings are recovered. (Resume function in second unit)

Music Listening

Playing file

At "Stop" or "Pause";



Press

➡ to play the file

Stop

In playing;



Press

➡ to stop the file

※ MP3 with VBR encoding can occur mismatch of playing time due to file's characteristic.

File selection

Shortly push



➡ in play mode → to play the next/previous file

Push



➡ and hold → to search the next/previous files

Shortly push



➡ in stop mode → to move to the next/previous file

Push



➡ and hold → to continuously move to the next/previous files

Volume control



Press

➡ shortly → to increase/decrease the volume by one step.



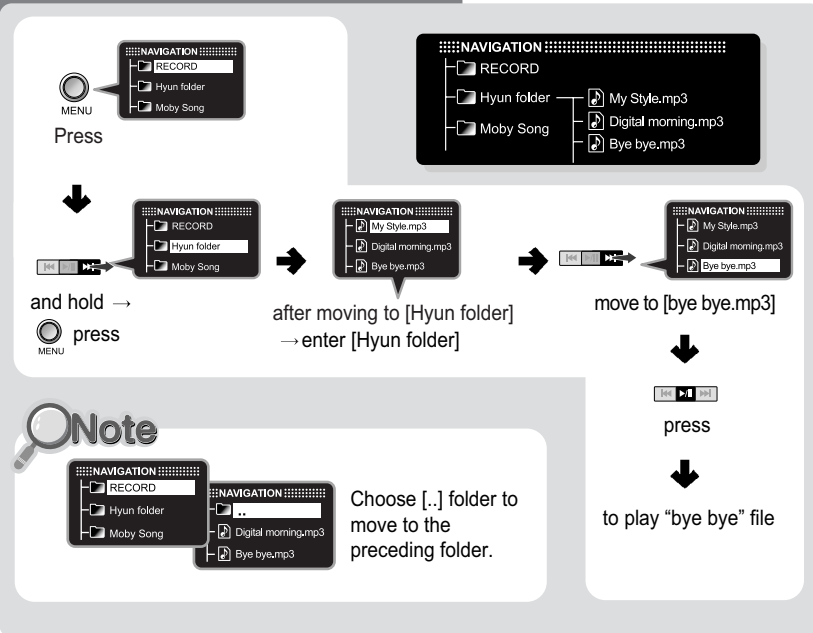
Press

➡ and hold → to continuously increase/decrease to volume.

Navigation (Folder searching in play mode)

HOLD/ EQ

Example) When trying to play “bye bye” file;



HOLD/ EQ

Hold function



- No button is functioning in Hold status.
- Power ON is not available in Hold mode. (HOLD screen only appears temporally)



EQ Selection

Press  shortly in Stop or Pause mode to move to NOR ⇒ ROC ⇒ JAZ ⇒ CLS ⇒ POP ⇒ EQ1 ⇒ EQ2 ⇒ SRS ⇒ FOC ⇒ T.B. in sequence.



Enjoy the best suitable tone according to each song by selecting a mode.



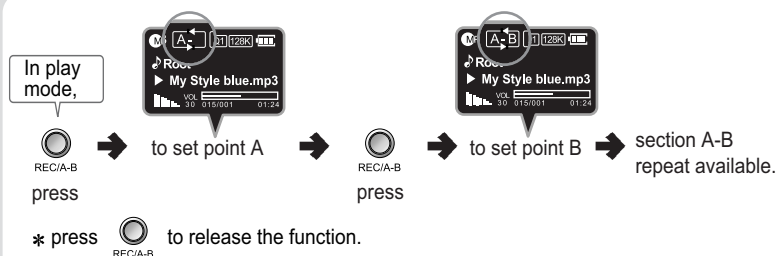
In Stop / Pause mode, press



shortly.

Section Repeat

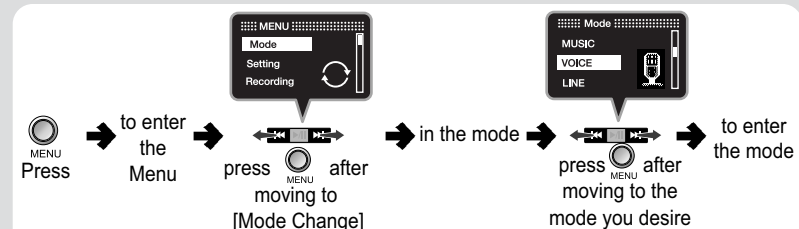
Setting up 'section repeat'



- File end will be set as point B when it is not specified.
- Point B can be set only 3 seconds after the setting of point A.

Mode shift

Mode shift



- There are all 5 modes in the player.
(Music, Voice Recording, Music Recording, FM Radio, Stopwatch)

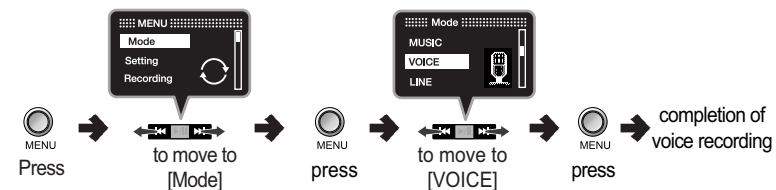
This image shows a single sheet of white paper with horizontal ruling lines, typical of notebook paper. The lines are evenly spaced and extend across the width of the page. There is a small dark rectangular mark at the top left corner, possibly a staple or a piece of tape. The paper has rounded corners on the right side.

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Voice Recording

Preparation



Press and hold in music (pause/stop) mode to get ready for voice recording without going through above procedures.

Voice recording



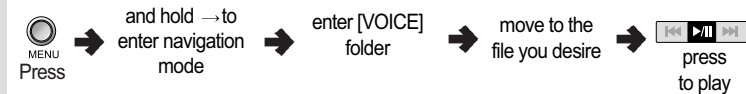
Press to pause the recording.

Voice recording



- Recorded files are stored in MP3 format in VOICE folder in the following sequence; VC001.MP3, VC002.MP3...
- The recording will be interrupted when the memory gets full. The recorded voice source only is saved in the memory in this incident.
- Sound quality may vary according to the distance from the sound source.
- In case that the power is not enough to run the product, the recording may not be completed correctly.

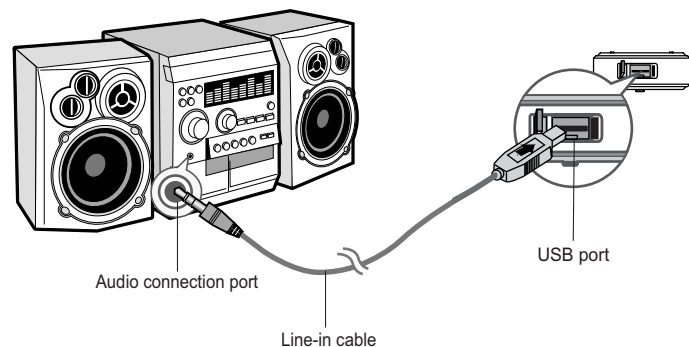
Playing voice file



* See page 21 for navigation details

Music Recording

Connecting Line-in cable



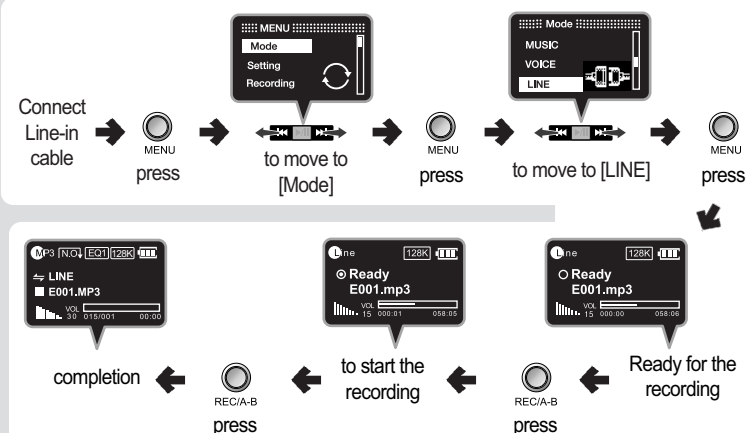
Note

Connect the product into external audio player with the Line-in cable supplied in the package to convert analogue sound source to digital.

- You can listen to the audio source being recorded (Loop Back function).

Music Recording

Preparation



Note

Press to pause the recording.

Music Recording



- Recorded sound source is saved in MP3 format in LINE folder in the following sequence; E001.MP3, E002.MP3...
- The recording will be interrupted when the memory gets full. The recorded voice source only is saved in the memory in this incident.
- In case that the power is not enough to run the product, the recording may not be completed correctly.

Playing stored file



※ See page 21 for navigation details

5

FM Radio

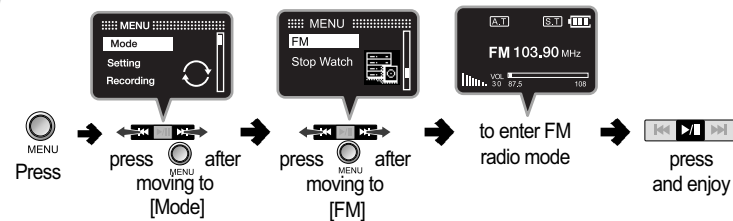
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Radio listening



- Earphone also performs antenna function.
- The local frequency ranges may be various around the world.

FM Radio listening



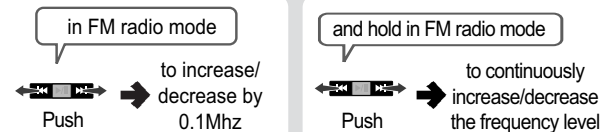
■ press [P] in receiving the signals to go to Ready mode.

Mono/ Stereo



Searching radio station

Frequency search



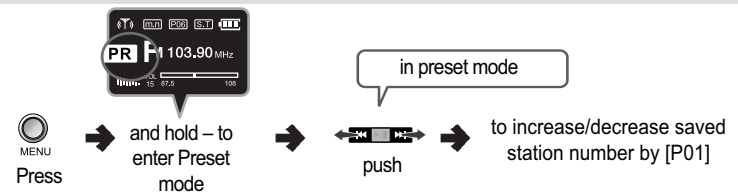
The frequency with the higher receiving rate will be selected.

Searching for saved station (frequency)



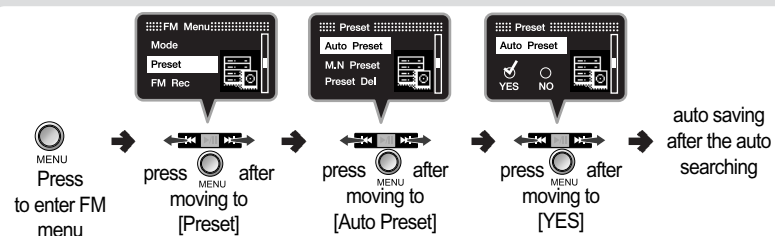
- You can find all saved channels in the product by entering Preset Mode.
- Preset search will not be available if there is no channel saved.

Station searching



Storing radio station

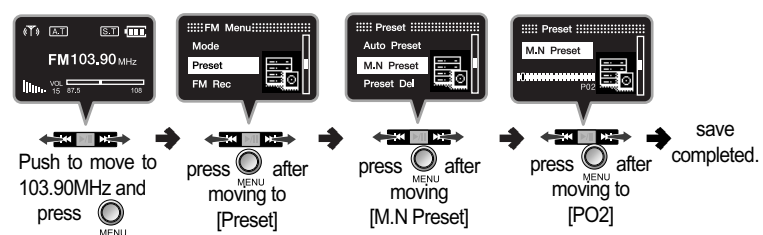
Auto Saving



■ At auto saving: The frequency with the higher receiving rate will be automatically selected and saved.

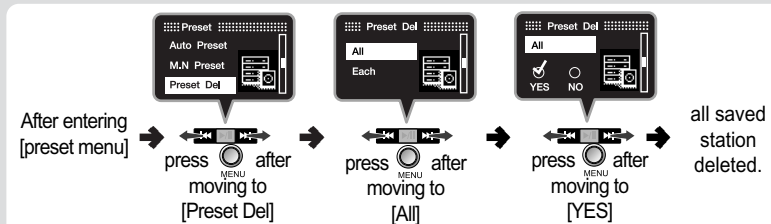
Manual Saving

Example) When saving 103.90MHz to [P02];



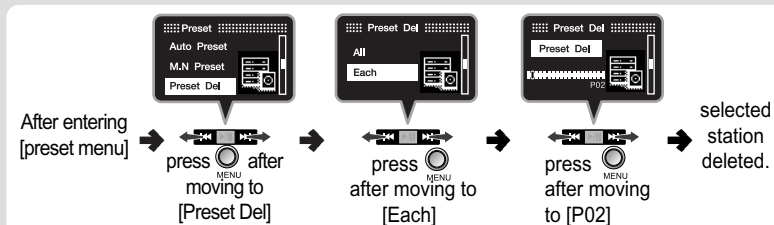
Deleting stored station

Deleting all



Deleting Each

Example) Deleting selected station [P02] only



FM radio recording

Recording FM



Press to pause the recording.



- Recorded sound source is saved in MP3 format in FM folder in the following sequence; F00001.MP3, F00002.MP3.....
- When the memory gets full the recording automatically stops and the file is recorded up-to-point.
- Sound quality may vary according to FM Bit rate
- In case that the power is not enough to run, the product the recording may not be completed correctly.

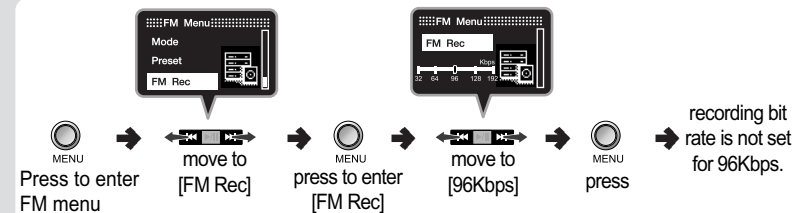
FM recording Bit rate setting



- Lower bit rate means higher compression rate with low sound quality while higher bit rate stands for vice versa.
- In FM recording, the bit rate can be set from 32, 64, 96 through to 128Kbps.

FM recording Bit rate setting

Example) When the bit rate was set for 96Kbps;



7

Download

The minimum requirements for PC to use the player are as follows;

- Microsoft OS (Windows 98SE, 2000, ME, and XP)
- CD-ROM Drive
- Pentium 200MHz or higher
- More than 32 MB of RAM (64 MB or more for Window ME or 2000).
- More than 128MB of Hard Disk Space
(Additional Disk Space is required for storing music files)
- USB Port (Ver. 1.1) Available

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Program CD Installation



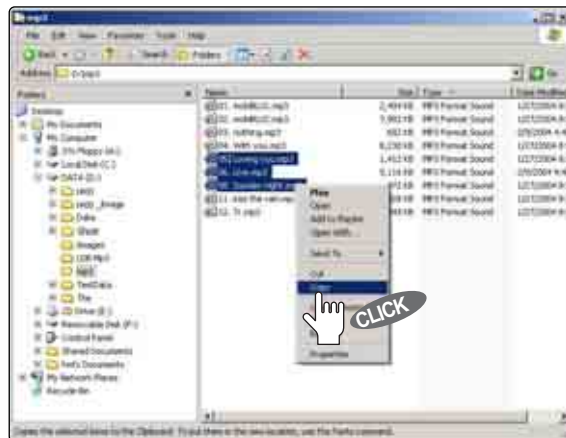
- The Program CD allows you to upload or download files without installing other additional software.
- For Windows 98SE Users: install the software first before using the player (otherwise, PC will not detect the player as a peripheral).
- For Windows 2000/ME/XP Users: install the provided program CD if you are upgrading Firmware

File download/ upload



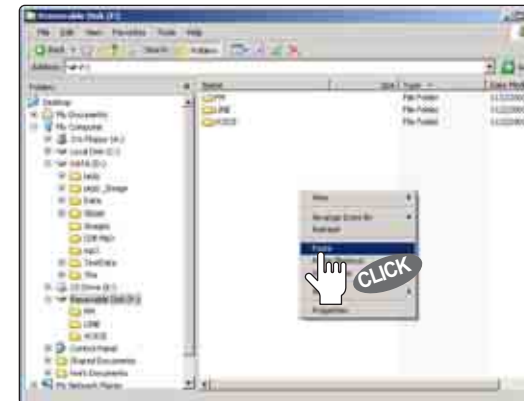
- This product can download or upload all types of data files (*.jpg, *.xls, *.hwp) functioning as a removable disk as well as a MP3 player.

1. To download files connect USB cable and click on “Copy” using right mouse button following the selection of files in PC.



File download/ upload

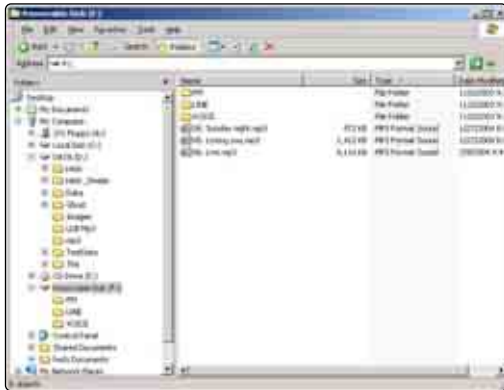
2. Using right mouse button, paste the copied file on removable disk window as shown below picture.



- PC identifies the product as a removable disk under “My Computer.”
- Don't remove USB cable while transferring the files. It may cause fatal error in PC or the product.

File download/ upload

3. File storing has been completed as shown below.



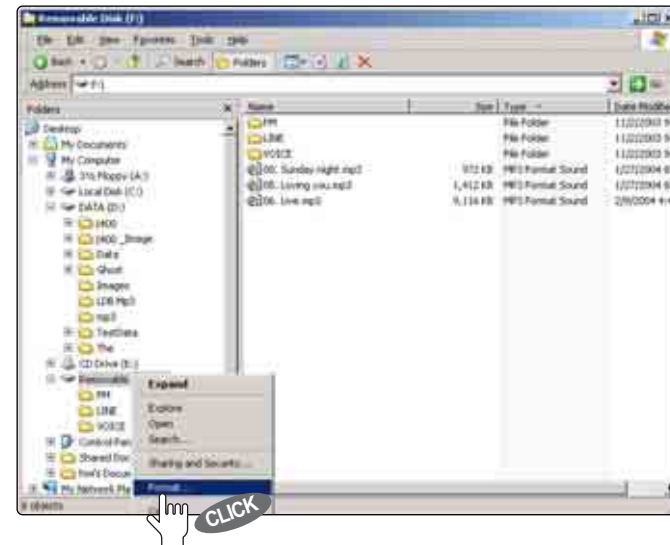
- You can upload files from the product to PC by following reverse way.
- Drag & drop also enables you to download/upload files.

Format



- Removed files can not be recovered after formatting the device!

1. Choose "format" using right mouse button on removable disk folder in PC Windows.



FCC RF INTERFERENCE STATEMENT

MEMO

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 technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 UNDESIRE OPERATION.

MEMO

Warranty Card

Warranty
Term: 1 year

Product Name :

Model :

Date of Purchase : (m) (d) (y)

Name of Customer : Telephone Number :

Address :

Name of Agent : Telephone Number :

Address :

HW Hyun Won Inc.

- When required, you need to present this Warranty Card with the date of purchase written thereon in order to receive satisfactory services. Please keep this card well in a secure place.

1. The warranty service for the product shall be provided based on the information contained in this Warranty Card.
2. The warranty service is available effect from the date of purchase, so please put the date of purchase on this Warranty Card. (If the date of purchase is not identified in the card, the effective warranty period will start from the date 6 months from the date of manufacture.)
3. This Warranty Card can not be reissued.

The design and size of the product are subject to change without prior notice in order to improve product quality.