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Before Using Player

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Cautions For Safety

- Don't expose the player to dusty and humid places.



- Don't try to disassemble or rebuild the player randomly.



- Don't expose the player to a direct ray of light or hot stoves.



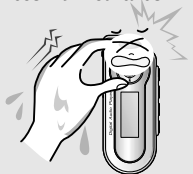
- Don't drop or give a severe shock to the player.



- As chemicals or rinsing detergents can change or peel the surface off of the player, don't use them.



- Don't touch or connect the player to other devices with wet hands.



Cautions For Safety

- Distributing music files to other people without permission is a violation of a copyright law.



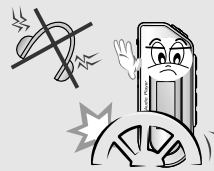
- We shall not be liable for the losses of data in the player by users' carelessness. During the repairing by our technical support teams, data stored in the player may be deleted.



- Listening to music long time with high volume may cause a hearing sense disorder.



- Don't use earphones while driving cars or riding bikes or motorcycles.



- While using the player, if you smell firing or it is severely heated, reset the player and call our customer support center.



Product Features

■ OLED LCD

OLED LCD is much better than the existing LCD in terms of readability and esthetic appreciation. By adopting OLED, it not only provides much better quality of display, but also makes its design far better.

■ Multi-Codec Support

With a support of the Multi-Codec, Digital files such as MP3, WMA and OGG can be played.

■ Lyrics Support

The player supports lyrics by connecting it to the lyrics data on the Internet, enabling you to download the lyrics of the song. Users can even edit them if necessary.

■ SRS

With 3D Surround Sound and reinforced Bass, you will experience a deep and rich sound with this player.

■ Handy Watch

Now MP3 Player functions as a watch. It shows current time and provides alarm function for morning call. Furthermore, you can preprogram the player to record FM radio, so no matter how late at night it will be, you can listen to the program through preprogrammed recording.

■ Book Mark

Instead of listening to a song, the length of which is long, from the beginning of the song, you can selectively listen to the song by searching the right position using the Book Mark.

Product Features

■ LCD Pivot

Not only a right-hander, but also a left-hander can now easily use the player, cause it provides pivot function, which lets the user swivel the display panel to left, right, up, and down. Now it's up to you which direction you are going to choose.

■ Voice Recording

With a high-sensitive internal microphone, it can be used as a professional voice recorder having versatile functions. It supports the VOR (Voice Operated Recording) function, which means that it records only if it detects sound, avoiding unnecessary recording and saving memories.

■ MP3 Direct Encoding (Music Recording)

Without having to connect to any PCs, you can directly save and record data to the player as digital files in real-time while enjoying FM Radio, CDs and music or contents in an audiocassette tape, so this is a must for students and workmen who not only want to enjoy music but also need a repeat function for studying TOEIC and TOEFL and practicing conversational skills.

■ FM Radio Listening & Recording

You can enjoy FM radio programs as well as digital music such as MP3, WMA, and OGG. You can even record a part of the music that you are listening to directly from the radio to the player, which you can listen to repeatedly and save into your PC.

■ Second-Based Resume

When you turn off the player and turn it back on later, the player will resume back the volume, EQ, and play list of the last music you listened to the same status.

Specifications

Classification	Items	Specifications
FM Tuner	FM Frequency	87.5MHz ~108.0 MHz
	Headphones Output	Max. Volume 7mW (16 $\varnothing$)
	S/N Ratio	50dB
	Antenna	Cord Antenna by Headphones/Earphones
Audio	Frequency Characteristics	20Hz ~20KHz
	Headphones Output	Max. Volume 15mW (16 $\varnothing$)
	S/N Ratio	90dB
File Support	File Types	MP3, WMA, OGG
	Bit Rate	MP3: 8~320Kbps, WMA: 32~192Kbps, OGG: Q0~Q10
USB	Download Speed	6.0Mbps (USB V. 1.1)
Recording Time		1040 Minutes of Voice Recording with Recording Mode of 32Kbps for 256MB
Max. Playback Time		12 Hours
Operation Temperatures		-5°C ~ 70°C
Dimensions (W x L x H)		68 x 27 x 16 (mm)
Weight		35g
Batteries (Built-in)		Li-Polymer

Accessories



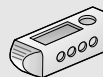
USB Cable



Line-In Cable



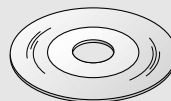
Neck Strap



Carrying Case



Earphones



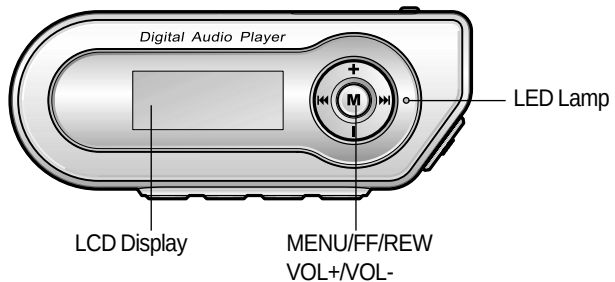
Program CD



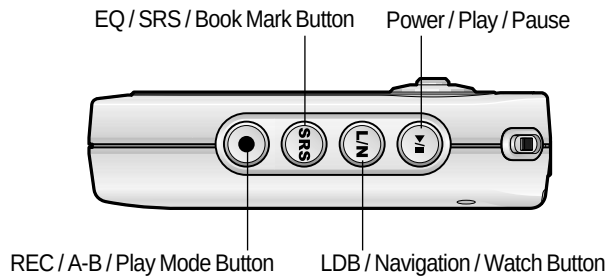
Manual

Names of Each Part

● Front

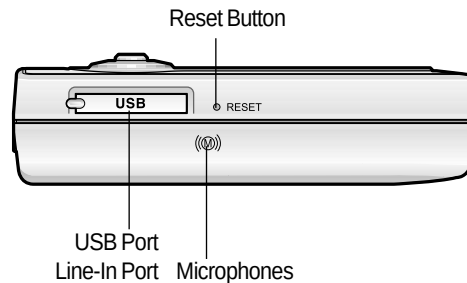


● Side



Names of Each Part

● Side



● Rear / Top



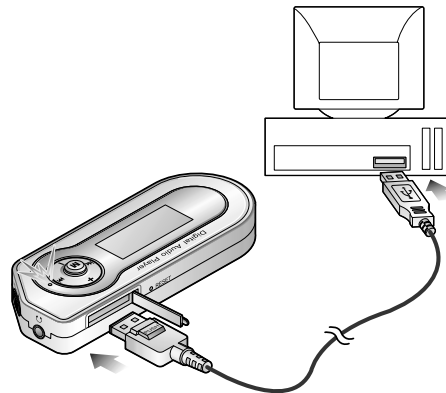
Minimum Requirements for PC

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
- Mac 9.X ~ X

Charging Player Using USB Cable

1. Connect the player to the USB port at the back of your PC using USB cable.



2. When the player is charged, LED on the player will turn on, and turn off when the charging is completed.



For Your Reference!

- It takes about 3 hours to fully charge a completely exhausted battery.
- You can charge the battery when downloading files from your PC to the player.
- If the LCD display is not turned on, use the player after charging it with the USB cable.

About Power

The display of battery residue capacity can vary at the beginning of the operation. It will be stabilized after 5 to 6 seconds displaying the real amount of battery residue.



(Full)



(Medium)



(Low)

※ For the cases below, charge the battery with the USB cable.

- ① LCD displays "Low Battery."
- ② The player does not respond to the buttoning or stops immediately.
- ③ LCD does not respond to the buttoning.

Description	MP3
Li-Polymer Battery	12 Hours (520mA)

1. Consecutive Playback Time

- Li-Polymer Battery: 12 Hrs.
- MP3 128 Kbps
- Volume Level: Based on the level 15
- The above result is obtained using lithium-polymer batteries included in the product and is subject to change according to the conditions of use

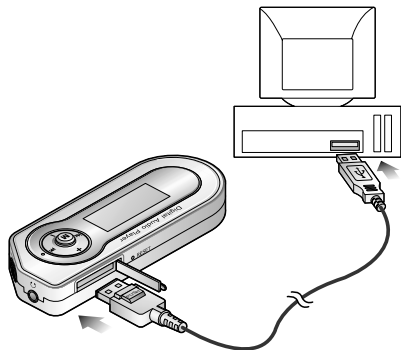
USB Connection & Disconnection

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Connecting Player to PC Using USB Cable

Connect the player to the USB port at the back of your PC using USB cable.



For Your Reference!

- What is USB? USB stands for Universal Serial Bus, which is a new method of connecting PC with peripherals.
- To use it efficiently, connect the USB cable directly to the USB port located at the back of PC. Connecting it to the USB port at the front of the PC or USB hub may cause a connection failure.
- For Windows 98SE, the player is not recognized to PC although it is connected with USB cable. Be sure to install a Program CD.

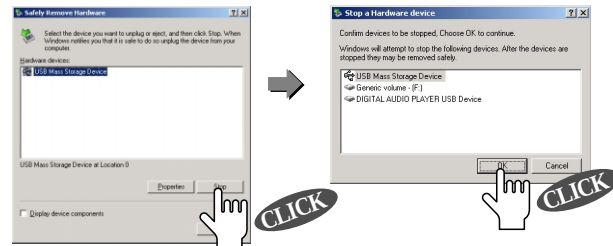
Disconnecting Player From PC Using USB Cable

For Windows ME, 2000, and XP Users

1. To disconnect the player from the USB cable, double click the green arrow at the right bottom of your Windows screen.



2. Select the "USB Mass Storage Device" and select "Stop." Click "OK."



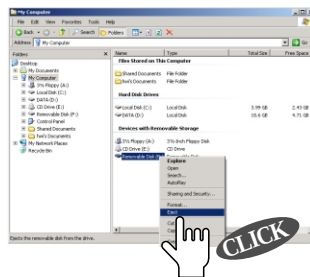
Disconnecting Player From PC Using USB Cable

3. After you see the message “Safely Remove Hardware,” click “OK” and remove the USB cable.



For Windows 98SE Users

Run “My Computer” or “Windows Explorer” and select the “Removable Disk.” Right click on it to select the menu “Remove” to disconnect the cable from the player. By following the order of the pictures below, remove the USB device on the right green arrows at the bottom right of the Windows.



For Your Reference!

- If you disconnect the cable without following the instructions above, you will see a warning message and it may cause a serious failure to PC or the player.
- Disconnecting the USB cable from PC while downloading, uploading, formatting, and OS updating may cause a serious failure to PC or the player.

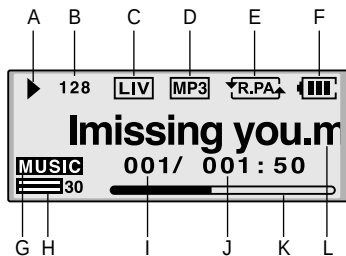
Basic Operations

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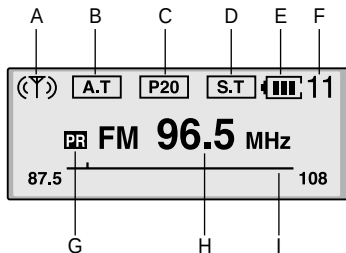
LCD Display

■ MUSIC Mode Display



- A: Status of Files (Play/Pause/Stop)
- B: Bitrate / LDB
- C: EQ / SRS
- D: Format of the Playing Files
- E: Play Modes
- F: Remaining Battery
- G: Modes
- H: Volume
- I: File Number
- J: Elapsed Time
- K: Track Number
- L: File Name

■ FM Mode Display



- A: Receiving (antenna displayed) / Ready to receive (antenna not displayed)
- B: Auto/Manual
- C: Preset Number (1~20)
- D: Mono/Stereo
- E: Remaining Battery
- F: Volume
- G: Preset Modes
- H: Frequency
- I: Frequency Bar

Simple Key Operations

■ MUSIC Mode

Button	Time Pressed	Stop State	Play State
PLAY / PAUSE		Plays a current song.	Pauses a current song.
		Power Off	Power Off
FF		Moves to the next track.	Moves to the next song.
		Successive forward track search.	Fast forward search from the current position.
REW		Moves back to the previous track.	Within 5 sec. after play: Moves back to the previous song. 5 sec. after play: Plays the song at the beginning of it.
		Successive backward track search.	Fast backward search from the current position.
MENU		Selects menus.	Selects menus.
		Selects modes. (MUSIC ← VOICE ← LINE ← FM)	Selects modes. (MUSIC ← VOICE ← LINE ← FM)
L/N		Watch ↔ Cancels Watch	Lyrics ↔ Cancels Lyrics
		Navigation.	Navigation

Simple Key Operations

Button	Time Pressed	Stop State	Play State
SRS		Displays book Mark	Sets Book Mark
		Displays book Mark	Changes EQ.
REC/A-B			Section Repeat: A ↔ B / Cancel.
		Ready for voice recording	Changes play modes (Normal → Repeat → Repeat All → Random → Random All)
VOL+		Increases Volume.	Increases Volume.
VOL-		Decreases Volume.	Decreases Volume.

■ Voice / Line Mode

Button	Time Pressed	REC Ready State	Recording State
REC		Voice Record/Music Record starts.	Voice Record/Music Record stops.

Simple Key Operations

■ FM Mode

Button	Time Pressed	Ready to Receive State	Preset Mode
PLAY / PAUSE		Waits for receiving.	Starts to receive ↔ Waits for receiving
		Power off.	Power off.
FF		Increases frequency 1 level up.	Moves to the next preset.
		Successively scans frequencies.	Moves to the next presets successively.
REW		Decreases the frequency 1 level down.	Moves 1 station back to the previous Presets.
		Successively search previous frequencies.	Successively moves back to the previous presets.
REC		FM Radio Recording / Stop	FM Radio Recording / Stop
Menu		Selects FM menus.	Selects FM menus.
		Selects modes. (MUSIC ↔ VOICE ↔ LINE ↔ FM)	Selects modes. (MUSIC ↔ VOICE ↔ LINE ↔ FM)
L/N		Enters Preset mode	Cancels the preset modes.
SRS		Converts Mono/Stereo	Converts Mono/Stereo
VOL+		Increases Volume	Increases Volume
VOL-		Decreases Volume	Decreases Volume

Power On/Off

■ Turning On the Power

Pressing the <▶/II> button once and long will turn on the power with the following LCD screen.



For Your Reference!

- Under the state of HOLD, HOLD screen is displayed but the power is not turned on.
- Charge the battery fully and then turn on the player. When the battery is completely discharged, the message "Low Battery" is displayed but the power is not turned on.
- If you press the <▶/II> button once and long, you will see a flickering of the LED lamp, showing the power being turned on.

■ Power Off

Pressing the <▶/II> button once and long will turn off the power with the following LCD screen..



For Your Reference!

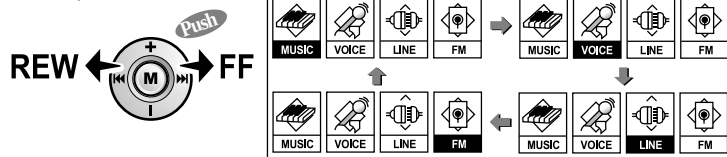
- Under the state of Pause or Stop, if no further operation is made and the time for "Auto Power Off" exceeds designated time, then the power will be turned off automatically.
- After turning off the power, if the user presses the Play <▶/II> button long, then playback will resume at the very position of the latest song played. In this case, all the settings such as track numbers and equalizer are completely restored. (Second-Based Resume Function)
- Regardless of the resume function, the volume will be saved as 10 when the player was turned off with it's volume ranging from 0 to 10.
- Regardless of the resume function, the volume will be saved as 25 when the player was turned off with it's volume ranging from 25 to 30.

Changing Modes

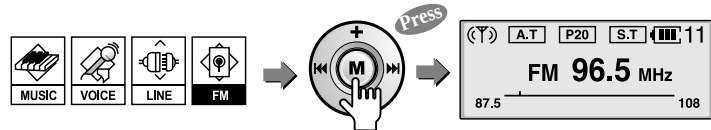
■ Changing Modes

There are 4 modes; MUSIC, VOICE, LINE, and FM.

1. Press the <M> button long. 
2. Move to the mode you want by pressing the <M> button to the direction of <FF/REW>.

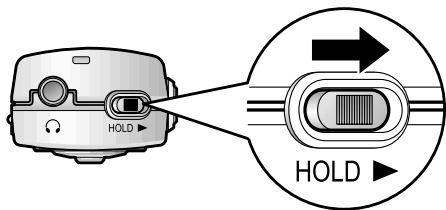


3. After the movement, if you press the <M> button, you will enter the mode.

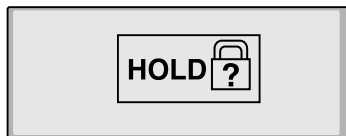


Locking

1. Pushing the HOLD switch at the side of the player downward will lock the player.



2. If an operation is made under the state of HOLD, the followings will be displayed on the LCD panel for 1-2 seconds and disappear.



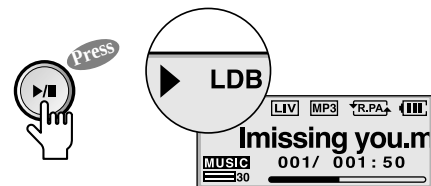
For Your Reference!

- Under the state of HOLD, no buttons will work.
- Under the state of HOLD, no power will be turned on. (Only HOLD screen will be displayed and disappear)

Listening Music

■ Playing/Pausing Music

If the <▶/II> button is pressed under the state of Stop or Pause, files will be played with <▶> display on the LCD screen.

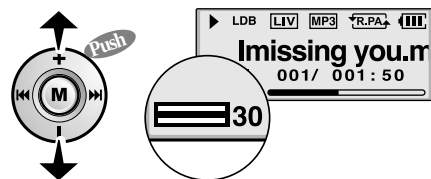


If the <▶/II> button is pressed during the state of Play, files will be paused.



■ Controlling Volume

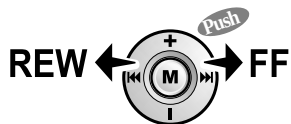
Pushing the <M> button to the direction of VOL+ / VOL- will adjust the volume with the following LCD display.



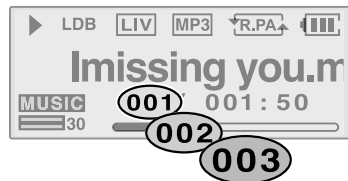
Selecting Music

■ Moving Playing Files

Move files by pushing the <M> button to the direction of FF/REW under the state of Stop, Pause and Play.

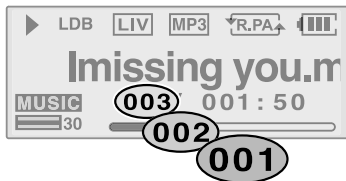


FF →



Pushing the button briefly to the direction of FF will move the player to the next track.

← REW



Pushing the button briefly to the direction of REW will move the player back to the previous track.

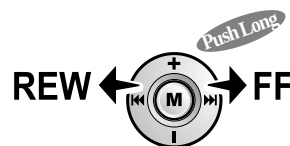
For Your Reference!

- Pushing the < M > button to the direction of FF/REW long under the state of Stop will lead to the fast movement between songs.

Selecting Music

■ Searching Songs During Playback

During the playback, pushing the <M> button long to FF/REW will let the player do a fast search to the current song forward and backward.



FF →



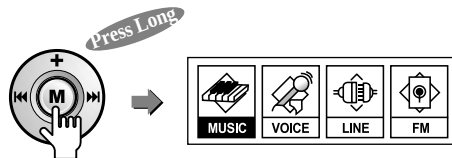
← REW



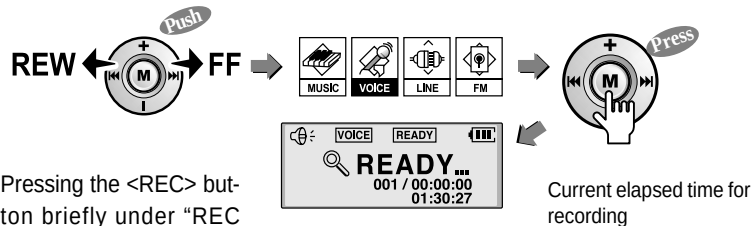
Recording Voice

■ Recording Voice

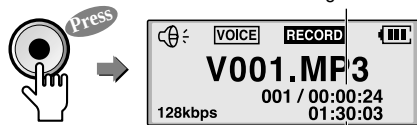
1. Press the <M> button long to enter the Mode menu.



2. Push the <M> button to FF/REW to move to the "VOICE" menu. Now press the <M> button to enter the "VOICE" mode.



3. Pressing the <REC> button briefly under "REC READY" will start the recording



For Your Reference!

- During the voice recording, if you press the < ►/II > button briefly, the recording will stop. If you press the button again, the recording will resume.

Remaining time for recording in the memory

Recording Voice

4. If you press the <REC> button again, the recording will stop with the following LCD display.



For Your Reference!

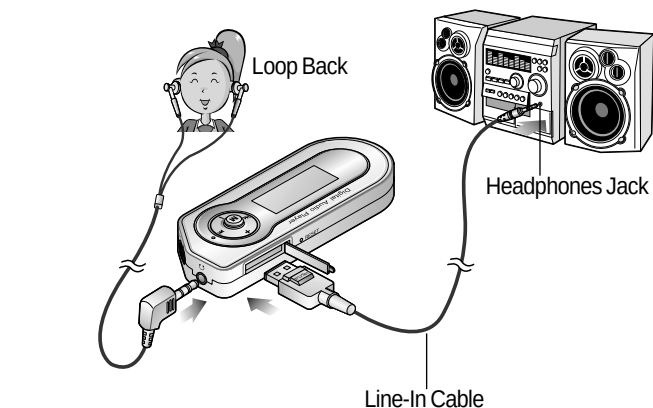
- After the voice recording, files will be saved as MP3 files into a Voice folder and will be seen as V001.MP3, V002.MP3, and etc.
- In Music mode, Pause/Play, if you press the <REC> button long, the status of the player will be Rec Ready.
- While recording voice, using VOR function will avoid any unnecessary recording and save the memory.
- When the recording reaches to the status of "Memory Full," the recording will stop automatically and only the files recorded just before the stop will be saved.
- The quality of the recording will be subject to the sensitivity or distance of the sound source.
- If the power is low, recording will not be performed properly.

■ Playing & Stopping Voice Recorded Files

- Under the state of Pause/Stop, press the < ►/II > button to play the voice recorded file.
- Under the state of Play, press the < ►/II > button to pause the voice recorded file.

Recording Music

1. Like the picture below, connect the LINE IN cable to both the player and a jack of the audio headphones (LINE OUT) that you want to record.

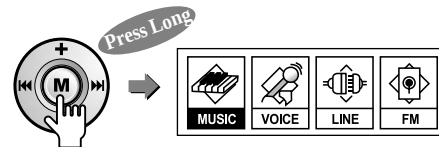


For Your Reference!

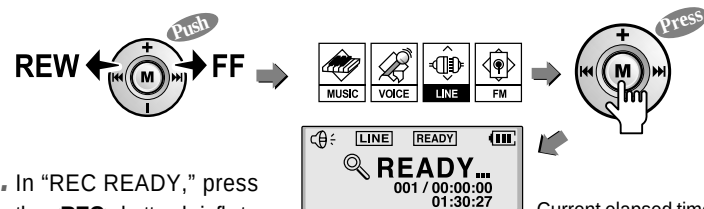
- By connecting external devices to the player, analog sound can be converted to digital sound and recorded and played.
- Recorded things can be heard through earphones. (Loop Back)

Recording Music

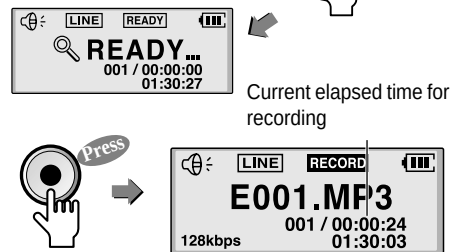
2. Press the <M> button long to enter the Menu mode.



3. After moving to the "Line" menu by pushing the <M> button to FF/REW, press the <M> button to enter the "LINE" mode.



4. In "REC READY," press the <REC> button briefly to record music.



Remaining time for recording in the memory

For Your Reference!

- While recording music, if you press the <▶/||> button briefly, the recording will pause. If you press the <▶/||> button again, the recording will resume.

Recording Music

5. Pressing the <REC> button again will stop the recording with the following LCD display.



For Your Reference!

- After the music recording, they are stored as MP3 files into the LINE folder, named as E001.MP3.
- If the recording reaches to the "Memory Full," the music recording will stop automatically and only the files recorded immediately before the stop will be saved.
- If the power is low, recording will not be performed properly.

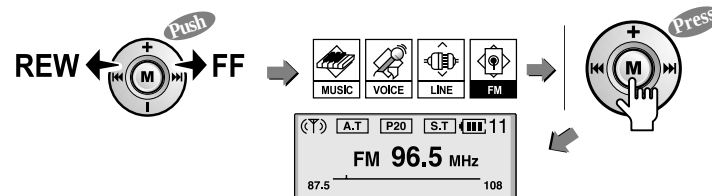
■ Playing & Stopping Music Recording

- If you press the <▶/II> button under the state of Pause/Stop, recorded files will be played.
- If you press the <▶/II> button during the playback, the recorded music files will pause.

Listening to FM Radio

■ Listening to FM Radio

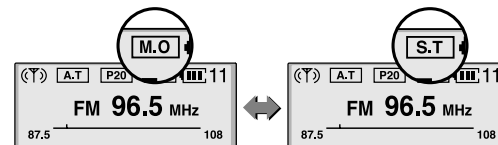
1. Press the <M> button long.
2. After moving to "FM" by pushing the <M> button to FF/REW, press the <M> button to receive the frequency of FM Radio.



- While receiving the FM Radio frequencies, pressing the <▶/II> button will let the user to select the "Receiving/Ready to Receive."

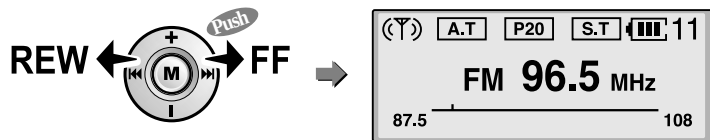
■ Setting Mono/Stereo

FM mode, press the <SRS> button briefly to select MONO/STEREO.



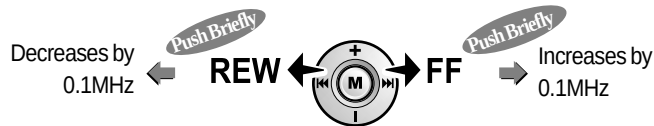
Scanning FM Radio Frequencies

In FM mode, push the <M> button to FF/REW to find desired frequencies.



■ Scanning Frequencies Manually

If you push the <M> button briefly to FF/REW, the frequencies will be increased or decreased consecutively by 0.1MHz.



■ Scanning Frequencies Automatically

If you push the <M> button long to FF/REW, the frequencies will be increased or decreased consecutively. During the scanning, the most receivable frequencies will be received.

For Your Reference!

- Earphones work as an antenna.
- Each FM Radio station uses a different range of frequencies and the range will be subject to change according to the regions and countries.

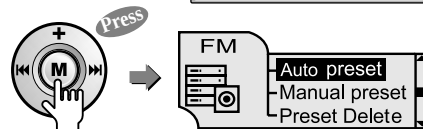
Saving FM Radio Frequencies

■ Saving FM Radio Frequencies Manually

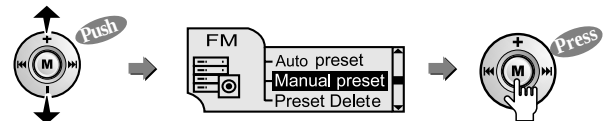
1. Search the frequencies to save by pushing the <M> button to the direction of FF/REW.



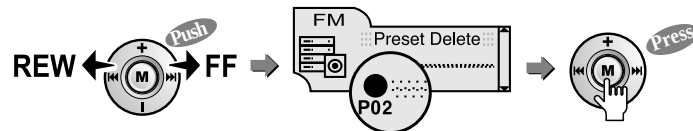
2. Press the <M> button briefly to enter the FM menu.



3. After moving to the "Manual Preset" by pushing the <M> button to the direction of VOL+/VOL-, press the <M> button.



4. After selecting the "Preset No" to save by pushing the <M> button to FF/REW, press the <M> button briefly to save it.



※ The desired frequency will be saved as Preset No.2.

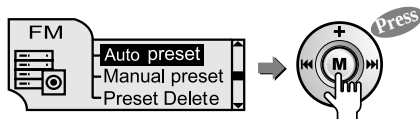
Saving FM Radio Frequencies

■ Saving FM Radio Frequencies automatically

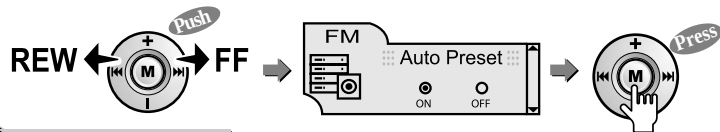
1. In an FM Radio Mode, press the <M> button briefly to enter the FM Menu.



2. Select the "Auto Preset" and press the <M> button.



3. Push the <M> button to select Auto Preset "ON" and press the <M> button briefly, then frequencies will be automatically set.

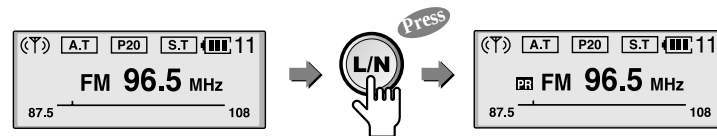


For Your Reference!

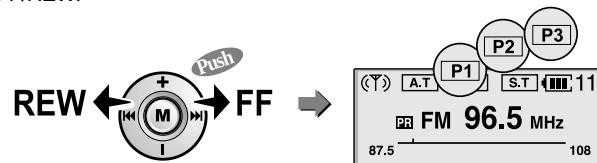
- After scanning the frequency up to 108.0MHz, the Preset No. will be changed to "P01" with a relevant frequency.
- Pushing the <M> button briefly to a direction of FF/REW during the "Auto Scanning" will stop the scanning.
- Earphones work as antenna for radio. When you save the frequencies of the FM radio automatically, be sure to connect the earphones to the player.

Entering Preset Mode

1. In an FM mode, press the <L/N> button briefly to enter the Preset mode.



2. Search the saved frequencies by pushing the <M> button to the direction of FF/REW.



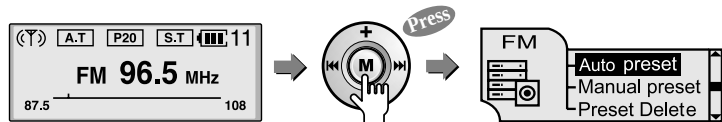
3. Pressing the <L/N> button once again will cancel the Preset mode.

For Your Reference!

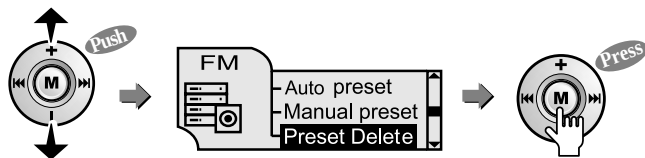
- You can only find the frequency users saved by entering the Preset mode.
- If there are no saved frequencies, the player does not enter Preset mode.

Deleting Saved Frequencies

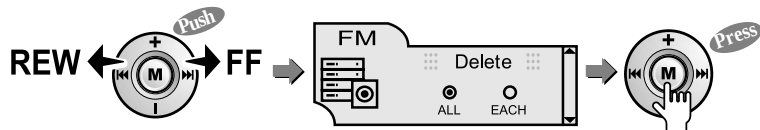
1. In an FM Radio mode, press the <M> button briefly to enter FM menu.



2. After moving to "Preset Delete" by pushing the <M> button to the direction of VOL+/VOL-, press the <M> button.



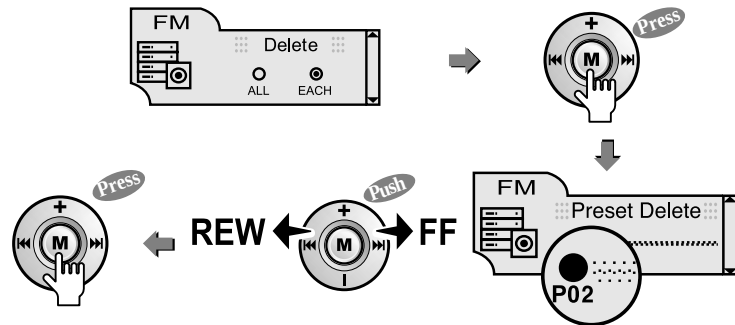
3. Select either EACH or All by pushing the <M> button to FF/REW, and press the <M> button.



Deleting Saved Frequencies

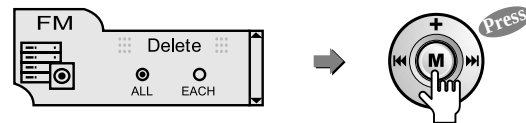
■ Selecting EACH

After selecting the Preset No by pushing the <M> button to FF/REW, delete it selectively by pressing the <M> button.



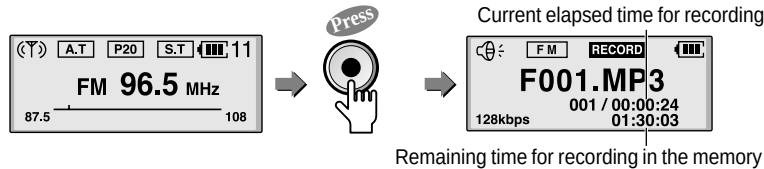
■ Selecting All

If you press the <M> button, all the saved presets will be deleted.



Recording FM Radio

1. While listening to FM Radio, pressing the **<REC>** button briefly will start recording.

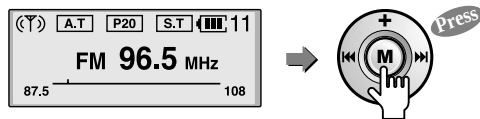


2. Pressing the **<REC>** button briefly again will stop the recording.
- Files that are recorded in FM Radio will be saved into FM folder as F001.MP3.

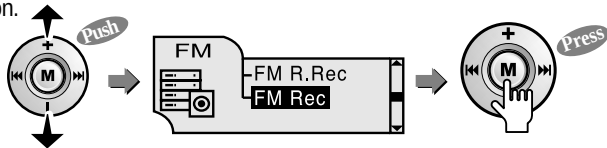
■ Adjusting Bitrates

While recording FM radio, users can adjust bitrates to 32, 64, 96, and 128 Kbps.

1. While listening to FM radio, press the **<M>** button to enter FM menu.

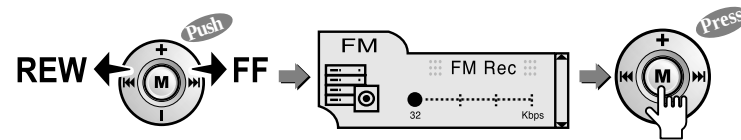


2. Push the **<M>** button to VOL+/VOL- to move into "FM R.Rec," and then press the **<M>** button.



Recording FM Radio

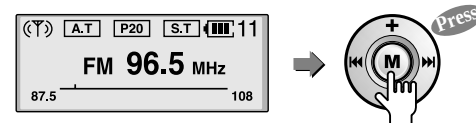
3. Select setting values by pushing the **<M>** button to FF/REW and press the **<M>** button again to save the values.



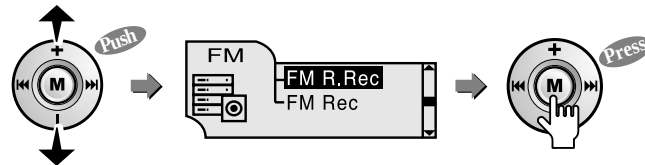
■ Preprogrammed Recording of FM

Users can set a preprogrammed recording at the time and days that they want to.

1. While listening to FM radio, press the **<M>** button to enter FM menu.



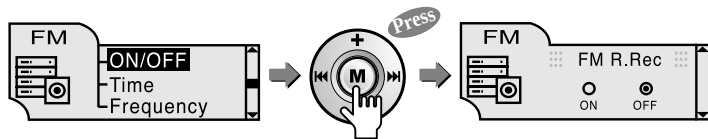
2. Push the **<M>** button to VOL+/VOL- to move into "FM R.Rec" and then press the **<M>** button.



Recording FM Radio

●On/Off

1. Press the <M> button to select ON/OFF.

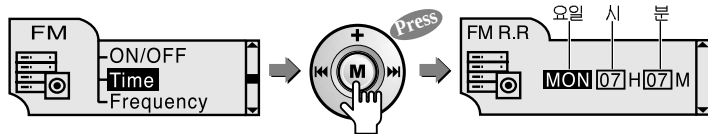


2. Push the <M> button to FF/REW to select either "ON" or "OFF" and then press the <M> button to save it.

ON : This sets the preprogrammed FM recording according to the time users set.
OFF : This cancels the preprogrammed FM recording.

●Time

1. Push the <M> button to VOL+/VOL- to select "Time."



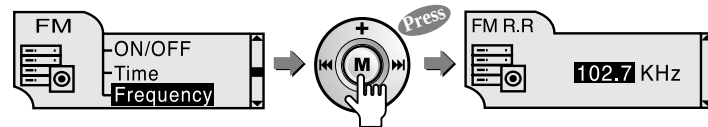
To move the location: Push the <M> button to FF/REW to move.
Changing the Setting Values: Push the <M> button to VOL+/VOL- to adjust the value.

Recording FM Radio

2. Press the <M> button to save the setting values.

●Frequency

1. Push the <M> button to VOL+/VOL- to select "Frequency."



To change the setting values: Adjust the value by pushing the <M> button to FF/REW.

For Your Reference!

- If Preset mode is active, setting values are controlled according to Preset No.
- If the Preset mode is released, the setting values will be controlled according to frequency.

2. Press the <M> button to save the setting values.

For Your Reference!

- If you set the preprogrammed FM recording, the recording will be performed with the power turned on even if the power is off.

Learn More About Comfortable Functions

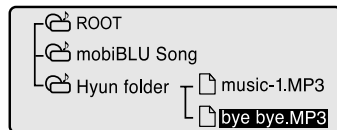
 Table Of Contents

 Navigation (Folder Search During Playback)	48
 Watch	50
 Setting Section Repeats	51
 Changing Play Modes	52
 Lyrics	53
 Setting Up BookMarks	54

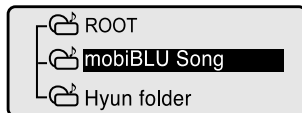
Navigation (Folder Search During Playback)

Example:

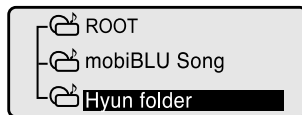
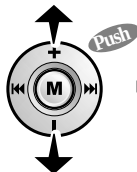
Suppose we play a file "Bye Bye."



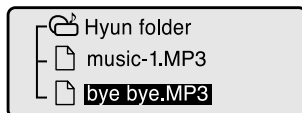
1. Press the <L/N> button long to enter the navigation mode.



2. Push the <M> button to the direction of VOL+/VOL- to search folders and files upward and downward.



3. Press the <M> button to move to sub folders.



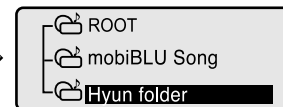
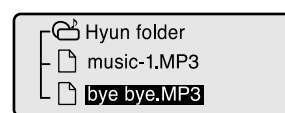
Navigation (Folder Search During Playback)

4. After selecting files or folders, press the <M> button to play the song selected.



■ Moving to main folders

Push the <▶/||> button briefly to move to the main folder.

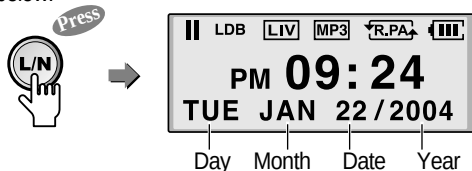


For Your Reference!

- Press the <▶/||> button long to escape from the folder navigation mode.

Watch

1. In Pause or Stop, press the <L/N> button briefly and then the LCD screen displays time shown as below.



2. In Pause or Stop, press the <L/N> button briefly and then the LCD screen displays time shown as below.

For Your Reference!

- You can set the time by entering MENU ⇒ WATCH. (Refer to page 69)
- In case of exhaustion of the battery, time should be set again.

Changing EQs

Press the <SRS> button long, and then the mode of the EQ will change as follows in order: Live ⇒ Classic ⇒ Jazz ⇒ Dance ⇒ Rock ⇒ WOW ⇒ SRS ⇒ T.B.



Setting Section Repeats

1. **REPEAT A**
During the playback, press the <REC> button briefly at the starting point of the section repeat.



2. **REPEAT B**
Pressing the <REC> button once again briefly at the end of the section repeat will activate the section repeat and the interval will be repeatedly played.

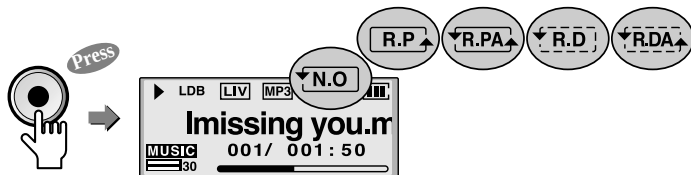


- If you don't specify the ending point of the section repeat, the end of the file will be the ending point automatically.
- REPEAT B can be set 5 seconds later after setting REPEAT A,

3. To cancel the section repeat, press the <REC> button briefly.

Changing Play Modes

If you press the <REC> button long during playback, the modes change in the order of Normal, Repeat, Repeat All, Random, and Random All.



- **N.O** **Normal** : Plays music files once in order.
- **R.P** **Repeat** : Plays a specified song repeatedly.
- **R.PA** **Repeat All** : Plays all the files repeatedly in order.
- **R.D** **Random** : Regardless of the order of the songs, they will be played randomly and stop automatically after the entire songs are played once.
- **R.DA** **Random All** : Like Random, files are played continuously without stop.

Lyrics

1. You can see the lyrics only during the playback.
2. Find files marked as "LDB" on the LCD screen during the playback.

During the playing, bitrates and "LDB" will be shown alternately.



3. If you press the <L/N> button briefly, you will see the lyrics on the LCD screen as shown below.



4. If you press the <L/N> button again, the lyrics will disappear from the LCD screen.

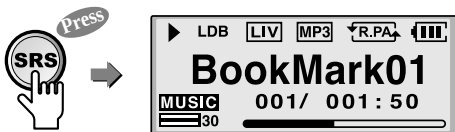
For Your Reference!

- Lyrics marking will only be available with MP3 and WMA files.
- If the player is in the state of Pause or Stop, this function will not be available.

Setting Up BookMarks

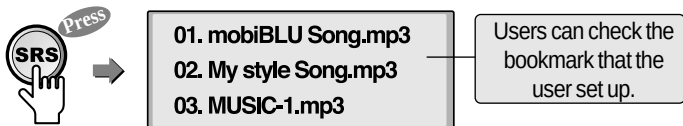
■ Setting Up BookMarks

During the playback, press the <SRS> button and you will see the following LCD screen.



■ Playing BookMarks

1. In Pause or Stop, press the <SRS> button briefly, and then the following will be displayed.



2. By pushing the <M> button to VOL+/VOL- to search the position users bookmarked.

Setting Up BookMarks

3. Pressing the <▶/||> button will play the song from the position that you bookmarked.



For Your Reference!

- Users cannot set the bookmark in a state of Stop or Pause.

Setting Menus

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 Basics of Menu Buttons	59
 Setting	62
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 Display	66
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 Watch	69
 Play	71
 EQ Edit	72
 SRS	74
 Erase	75
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Menu Map

■ Menu Map

The following table is menus of the player. Please refer to this before use.

MENU	Setting	Backup Delete	Play	Play Folder
		Beep Sound		Play Mode
		Play Speed	EQ Edit	Live
		LCD Pivot		Classic
	Recording	Voice		Jazz
		Line In		Dance
		VOR		Rock
	Display	Contrast	SRS	SRS
		OLED Time		TruBass
		Graphic EQ		H.phone S/E
	Timer	Auto Power Off	Erase	File Erase
		Sleep Mode		B/M Erase
	Watch	Watch Alarm	About	

Main Menu	Sub Menu	Setting Menu
10 Main Menus.	Each main menu contains sub-menus belonging to its main menu.	
Menu Setting Recording Display	Setting Backup Delete Beep Sound Play Speed	Setting Backup Delete YES NO

Basics of Menu Buttons

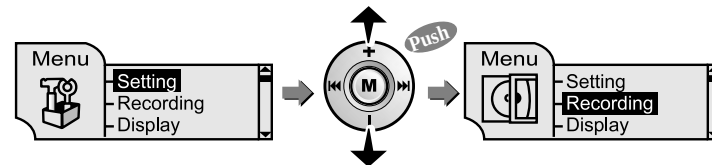
1. Entering Menu

Press the <M> button briefly.



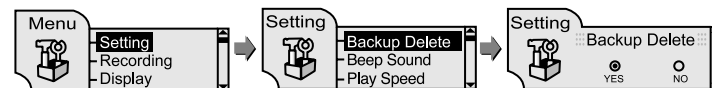
2. Searching Menus

Push the <M> button to VOL+/VOL- to search.



3. Entering Sub-Menus & Setting Menus

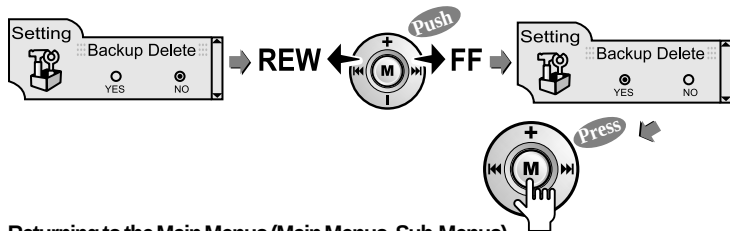
Press the <M> button to enter the sub-menus.



Basics of Menu Buttons

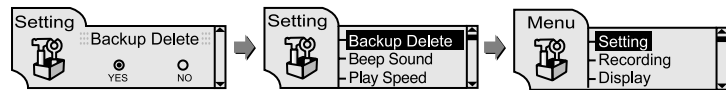
4. Changing and Saving Setting Values

Press the <M> button to FF/REW to set the value and press the <M> button briefly.



5. Returning to the Main Menus (Main Menus, Sub-Menus)

Press the <▶/II> button briefly to return to the main menu.

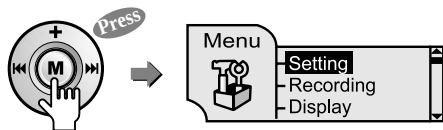


Pressing the <▶/II> button long will cancel the menu mode.

Example

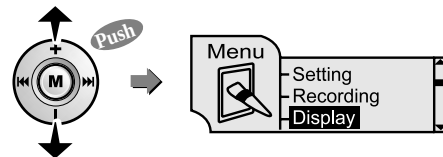
Suppose that the user set the value of Display Contrast as 5.

1. Press the <M> button. Menu mode will be seen.

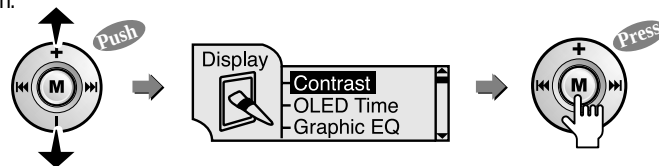


Basics of Menu Buttons

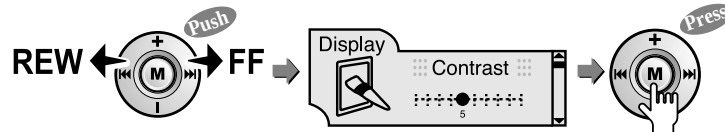
2. Select "Display" by pushing the <M> button to VOL+/VOL- and press the <M> button.



3. Push the <M> button to VOL+/VOL- to select the "Contrast" and then press the <M> button.



4. Select the value 5 by pushing the <M> button, and press the <M> button to save it.

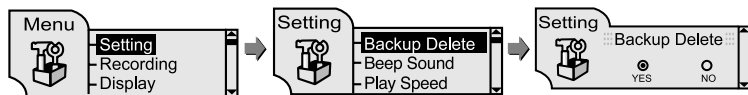


Setting

From the main menu, select "Setting."

■ Backup Delete

This initializes functions that are saved.

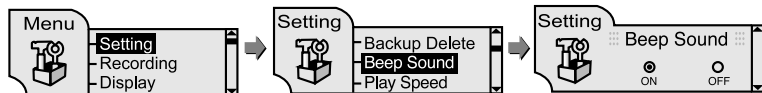


Yes – Initializes information that users set.

No – Saves information that users set.

■ Beep Sound

This shows the status of the button operations.



On: If selected, when users operate the button Play and FF/REW, there will be beep sound upon the button operation.

OFF: If selected, there will be no beep sound during the button operations.

Setting

■ Play Speed

Users can set the speed of the playing file slow or fast (X1/3, X1/2, X1, X2, X3).



- Default speed is X1.

■ Pivot

Users can turn the LCD screen round to upward and downward.



Left – LCD screen is turned 180 degrees to upward.

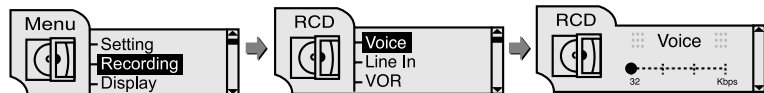
Right – Returns to the default LCD screen.

Recording

Select "Recording" from the main menu.

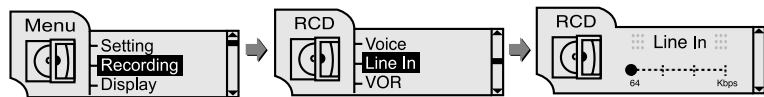
■ Voice

When recording voices, users can set the bit rates to 32 / 64 / 96 / 128 Kbps.



■ Line In

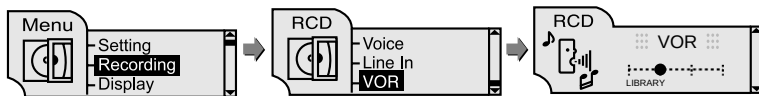
When recording music, users can set the bit rates to 64 / 96 / 128 / 192 Kbps.



Recording

■ VOR

With this function, the player only records if it detects sound, avoiding unnecessary recording and saving memories. (OFF, LIBRARY, OFFICE, STREET)



OFF – Users do not use VOR.

LIBRARY – Users can use this mode when recordings are made in a quiet place.

OFFICE – Users can use this mode when recordings are made in a little noisy place.

STREET – Users can use this mode when recording are done in a severely noisy place.

Display

Select "Display" from the main menu.

■ Contrast

This is to adjust the brightness of the LCD display ranging from 1 to 10.



■ OLED Time

This is to adjust the duration of OLED of the LCD display. (DISABLE / 5/ 15 / 30 / ALWAYS)

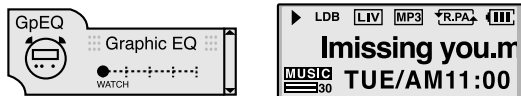


■ Graphic EQ

This is to set the type of display as WATCH, WAVE, STEREO IMAGE, PROGRESS, FILE INFO, enabling users to show various displays.

WATCH

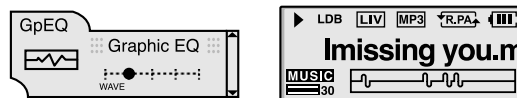
Displays WATCH IMAGE.



Display

WAVE

Displays WAVE IMAGE.



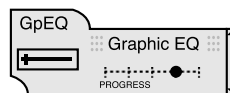
STEREO IMAGE

Displays STEREO IMAGE.



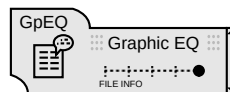
PROGRESS

Displays PROGRESS IMAGE.



FILE INFO

Displays track number and elapsed time.

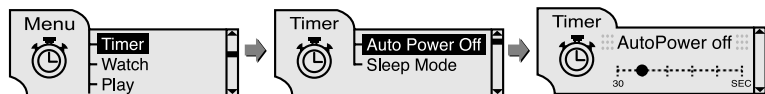


Timer

Select "Timer" from the main menu.

■ Auto Power Off

Under the state of Pause/Stop, power will be turned off automatically if no button operation is made for more than the designated time (Disable/30 sec/1/2/5/10 min).



■ Sleep Mode

Under the state of Pause/Stop/Play, if the user set the "Sleep Mode" (Disable/10/20/30/60 min), then the power will be turned off after the designated time.



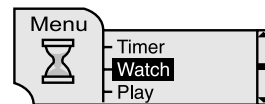
Watch

Watch

Select "Watch" from the main menu.

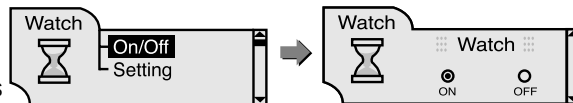
■ Watch

You can set year, month, day, and time and can watch the time through the LCD screen.



On/Off

Users can check the time through the LCD screen with this function.

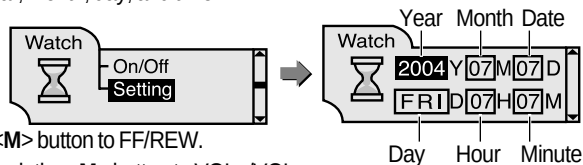


ON: Displays the time on the LCD.

OFF: Does not display time on the LCD.

Setting

Users can set the year, month, day, and time.



To Move: Push the <M> button to FF/REW.

Changing Values: Push the <M> button to VOL+/VOL-.

Watch

■ Alarm

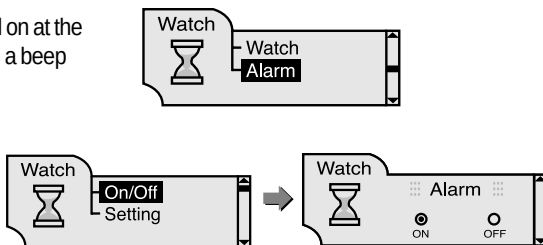
The Player will be turned on at the time users specified with a beep sound.

On/Off

Can decide whether to use the Alarm or not.

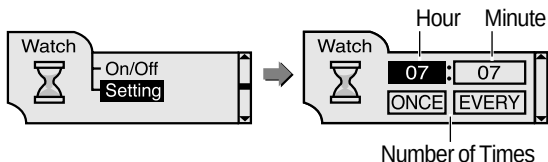
ON – Alarm is used.

OFF – Alarm is not used.



Setting

Users can set the time and number of alarm with this function.



To move: Push the <M> button to FF/REW.

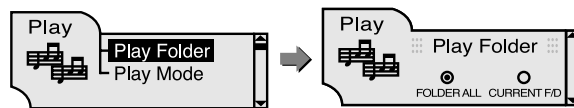
Changing Values: Push the <M> button to VOL+/VOL-.

Play

Select "Play" from the main menu.

■ Play Folder

This is a function for a user to select the type of playing folders saved in the player.

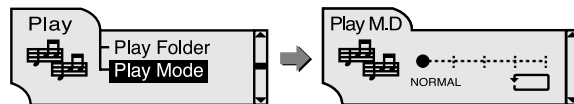


Current Folder: Plays a music file of the current folder.

Folder All: This plays a music file in the entire folder.

■ Play Mode

During the playback, users can set the play modes (Normal/Repeat/Repeat All/Random/Random All).



For Your Reference!

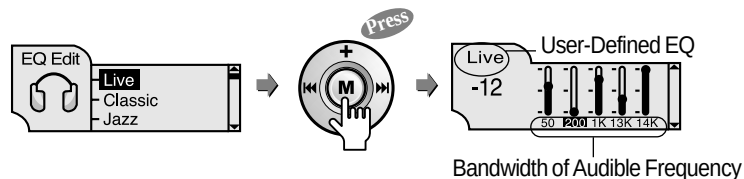
- During the playback, if you press the <REC> button long, play modes will change. (Refer to P. 52)

EQ Edit

Select "EQ Edit" from the main menu.

■ Editing EQs

Users can edit EQs, which is already configured by their tastes.



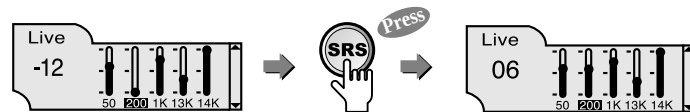
Moving Bands (5-Band): Push the <M> button to the direction of VOL+/VOL-.

Adjusting Sound Color : Push the <M> button to VOL+/VOL-.
There are 25 stages (-12 ~ +12).

EQ Edit

■ Initializing Edited EQs

When you see the following screen, press the <SRS> button.



※ Initialize setting values edited by users.

For Your Reference!

If the menu "EQ Edit" is not set, users can enjoy music with a sound quality of a default setting in the player.

SRS

Select "SRS" from the main menu.

■ SRS

Can set 3D Surround Sound (1 – 10).



■ TruBass

Can set sound with reinforced bass (1 – 10).



■ H.phone S/E

By setting earphones and speakers, users will enjoy better SRS.



Erase

Select "Erase" from the main menu.

The player itself can delete saved files and bookmarks.

■ File Erase

1. Select "File Erase."



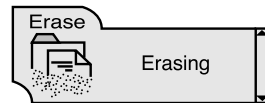
2. Select the file to erase by pushing the <M> button to FF/REW. Press the <M> button to select it.



3. Select "Yes" or "No" by pushing the <M> button to FF/REW.

YES – Deletes the selected files.

NO – Does not delete files.

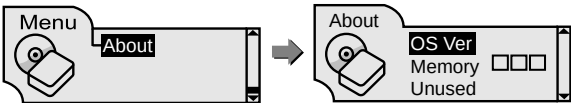


For Your Reference!

- In case of deleting bookmarks, you can apply the same method used as above.
- Only in Stop or pause mode, users can delete files or bookmarks.

About

This shows the information such as OS version, entire memories, and available memories in the player.



For Your Reference!

- Only available memories will be displayed except the built-in OS memories in the player.

Software Installation



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Software Installation

For Your Reference!

- As a mass storage type, the player does not require separate software installation to download and upload files
- To do the lyrics marking for the player, please follow the given order below.

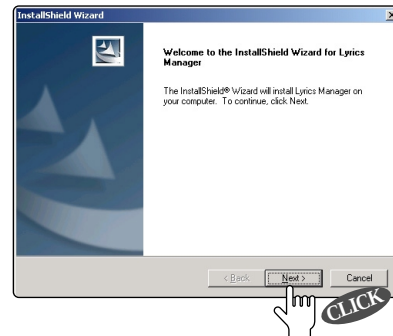
- For Windows 98SE Users: install the software first before using the player.
(Otherwise, PC does not recognize it)

1. The installation will start automatically as soon as the CD is inserted, showing a pop-up screen asking you to choose languages to use. After selecting a language, click [OK]. If the Setup file does not auto run, browse the setup.exe file from the CD-ROM.

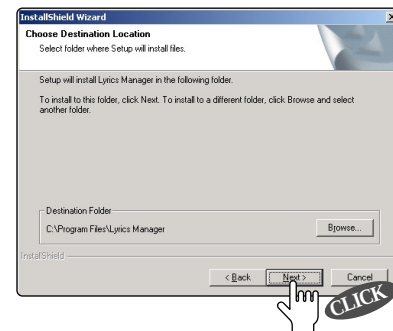


Software Installation

2. Click [Next].

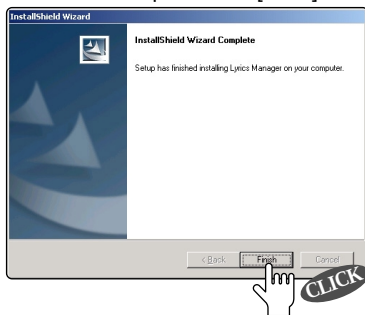


3. After selecting the folder to install, click [Next].



Software Installation

4. Installation is completed. Click [Finish].



After the installation, "Lyrics Manager" icon will be created on the desktop.

For Your Reference!

- If your OS is Windows 98SE, this screen will be displayed instead. Click [OK].

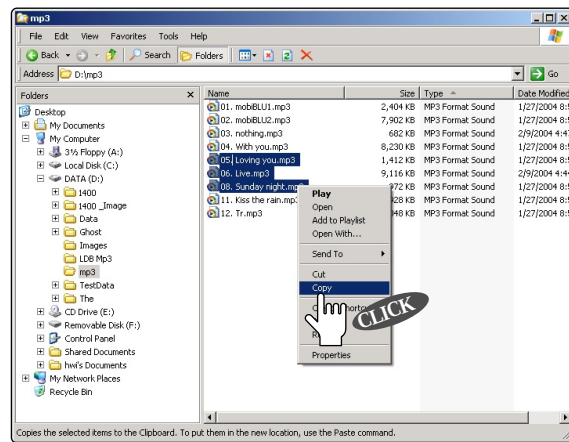


File Download & Upload

For Your Reference!

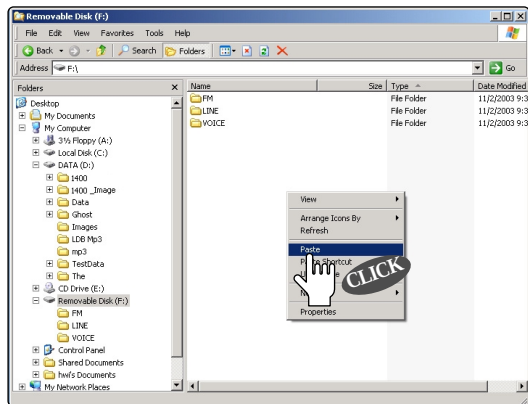
- This player can upload and download not only music files but also various kinds of data including *.jpg, *.xls, *.hwp, etc as a portal drive.

1. Connect the USB cable to the PC and select the file(s) to download to the player from the PC by right-clicking "Copy" from the menu.



File Download & Upload

2. Like the picture below, paste the copied files to the player by selecting “Paste” by right-clicking the mouse.

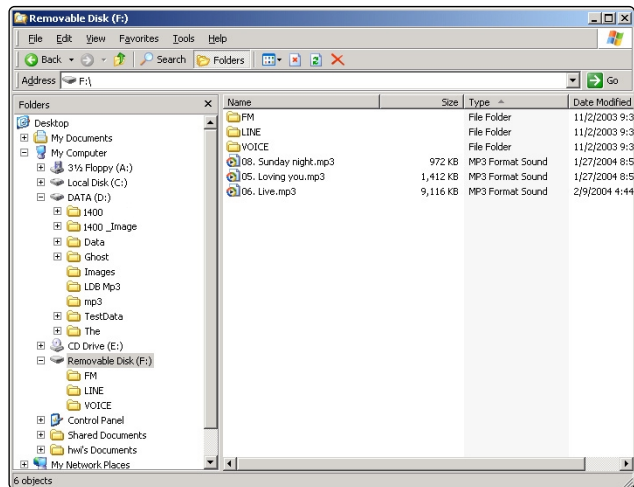


For Your Reference!

- The player will be recognized as a “Removable Storage Disk” in a folder “My computer” of the main drive.
- Don't disconnect the USB cable during the transfer of files. Otherwise, it may cause a fatal error to either your PC or the player.

File Download & Upload

3. Like the picture below, saving the file to the player is finished.



For Your Reference!

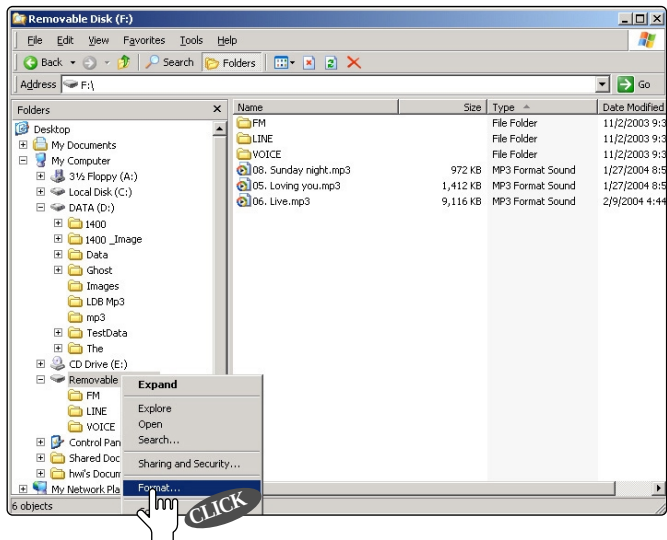
- During the file uploading, you can save the files in the player to the PC by following the reverse direction of the above.
- You can use Drag & Drop function of your mouse to download and upload files. fatal error to either your PC or the player.

Formatting

For Your Reference!

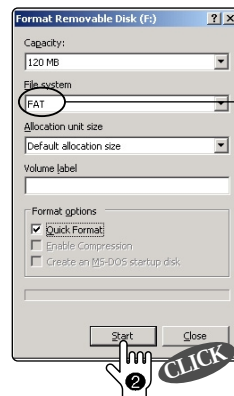
- Be cautious when formatting since it will erase all the data and the data can't be restored.

1. Select the Removable Disk and right-click the menu Format in Windows.



Formatting

2. When you see the format window, click "Start."



Make sure whether the file system is "FAT"

Be very careful when formatting~

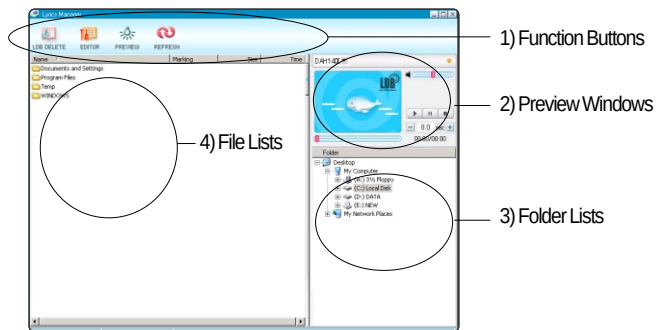


3. Format is finished.



Lyrics Marking

■ Names and Functions of Each Part



1) Function Buttons



This button removes lyrics from the music files having lyrics.



This button enables you to input lyrics to the music file selected from the file list.

Lyrics Marking



This button shows lyrics on the LCD screen when playing music files from the manager.



This button renews a file list.

2) Preview Window

This shows the lyrics by playing the file with lyrics marked.

3) Folder List

This shows a folder list.

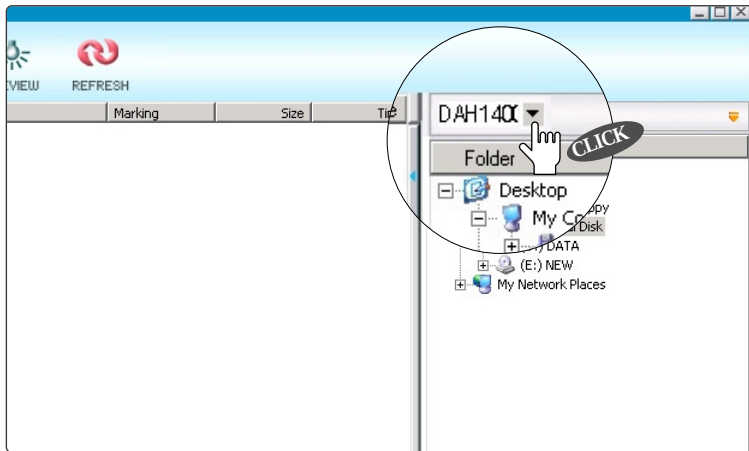
4) File List

This shows music files in a folder selected from the folder list.

Lyrics Marking

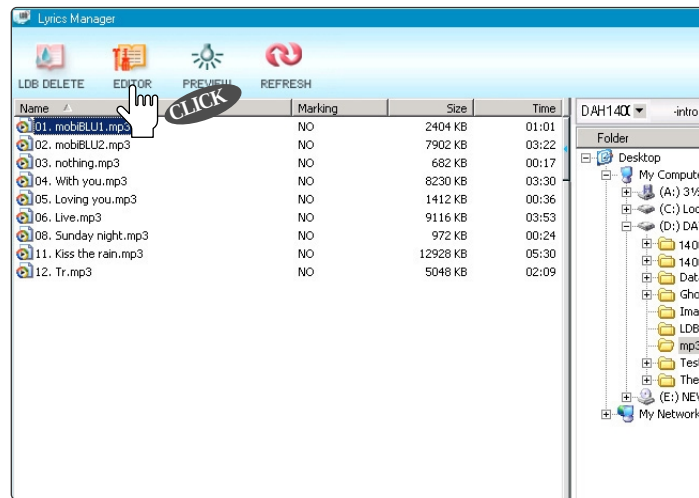
1. Run the “Lyrics Manager”  icon on the Desktop.
The music files that can be put into the lyrics are MP3 and WMA file.

2. Select the model before you mark the lyrics.



Lyrics Marking

3. Find a folder that has music files from the folder list.
4. Select the files you want to mark, and click [EDITOR] button.



Lyrics Marking

5. Either input the lyrics on the pop-up screen directly or import the LRC files by clicking the [IMPORT] button.
Once the input is finished, click [OK].



Reference!!

What is an LRC file?

This file includes Time table information and Lyric information.

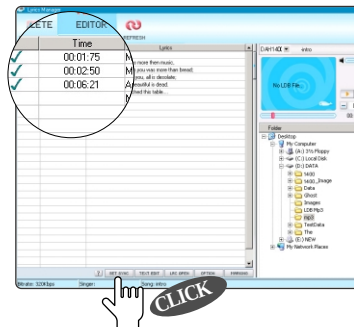


6. Play the music file by clicking the [Play] button on the preview screen.

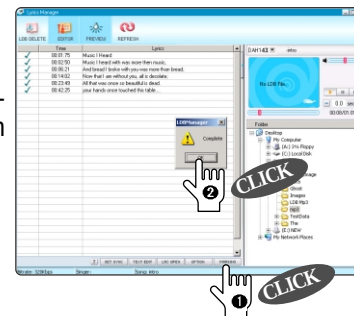


Lyrics Marking

7. Set up the time by pressing the space bar on the keyboard or clicking the [SET SYNC] button.

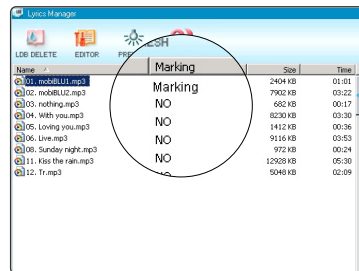


8. When the SYNC Setting is completed, click the "Marking" button to finish it.



Lyrics Marking

9. After the lyrics marking is completed, the music files will be displayed as "Marking" on the item [Lyrics Marking] from the file list.



10. Download the completed files that are marked, play the files, and the lyrics will be displayed on the LCD screen.



Reference!!

- ◆ Lyric Display setting [Menu -> Setting -> LDB -> ON]
- ◆ MP3 with VBR encoding can occur mismatch of playing time due to file's characteristic

"LOVE LETTER"

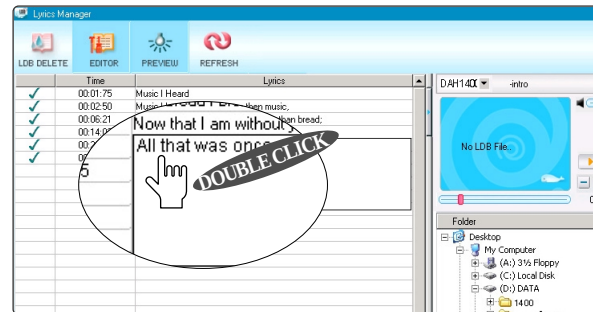
Send music letter to your lover and friends with lyric function.
Receiver can read your letter with Music file.

Lyrics Marking

⊙ Modifying Lyrics and Time

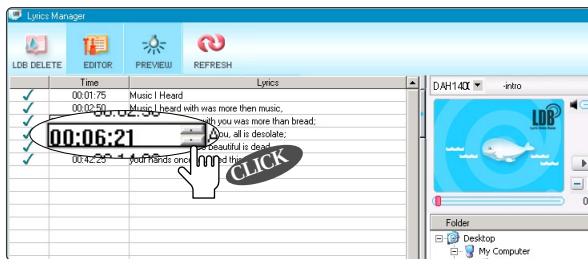
This function modifies the time and lyrics of the files that are marked.

1. Select the music files from the file list and click the [EDITOR] button.
2. Double-click the part of the lyrics that needs to be modified, and adjust the corrections.



Lyrics Marking

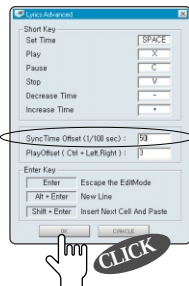
3. Select one of the listed time to modify, and click the time again to modify it.



Reference!!

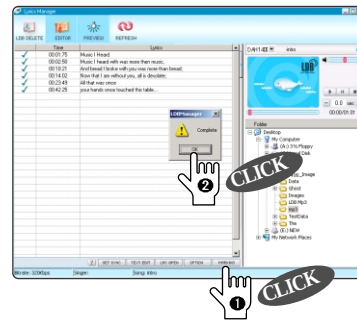
Setting the time of the interval to modify.

Click "Option" on the Editor window and enter the time that you want on the "Sync +, - interval." (Unit: milliseconds – 50 = 0.5 second)



Lyrics Marking

4. After the modification is completed, click the "Marking" and finish the marking.



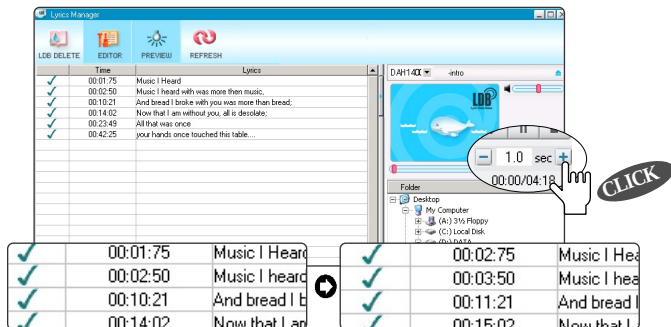
Modifying Entire Time

You can adjust the entire time of the lyrics both backward and forward with a regular interval.

1. Select music files from the file list and click [EDITOR].

Lyrics Marking

2. Enter a time interval you want from the Preview window and modify it with [-, +] button.

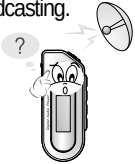
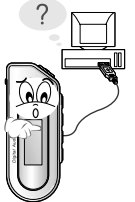


3. When finished, click the [Marking] button to finish the job.

All These Things Are Normal

Situations	Solution
Power is not turned on. 	● Check whether the battery is discharged or not. ● Charged the battery using the SUB cable and check if it is working.
Buttons will not work when pressed 	● Check if the is the player locked. If so, unlock it and check the operability
Can't hear the sound or it's too noisy during playback. 	● Check whether a earphones jack or USB port are stained with an alien substance and if so, remove it. ● Plug the earphones securely. ● Check the status of the music file. If the file is damaged, you will experience lots of noise ● Check the volume if it's "0."

All These Things Are Normal

Situations	Solution
In FM radio listening, too many noises and can't hear the broadcasting. 	● Check the earphones if it's securely plugged in. the earphones work as an antenna, ● Keep the player away from magnetic products.
Unable to download Files 	● Check if the USB cable connected securely. ● Check the available memory. ● See if the battery is completely discharged. Downloading may not work if the power is not sufficient.
LCD display is dark 	● Check the settings of the LCD screen. Go to Menu ⇒ Display ⇒ Contrast

Warranty Services

- Customers are entitled to get Warranty Services for 1 year from the date of purchase. Regarding the troubles caused by customers or natural disaster, customers will be required to pay the charges despite the period of free services.

Charged Services

1. Troubles caused by putting in improper things (water, coffee, and sand) to the player.
2. Damage or malfunction caused by dropping or giving a shock to the player.
3. External damage or deformation caused by organic solvents such as benzene, thinner, and etc.
4. Troubles caused by not using pure parts or articles of consumption.
5. Loss or damage of parts caused by customers' arbitrary breakdown.
6. Troubles caused by repairing or modifying the player by persons who are not technicians of the HWI Support Center.
7. Troubles caused by natural disaster such as fire, damage from salt water, gas, earthquakes, and storm and flood damage).

FCC RF INTERFERENCE STATEMENT

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.

WARRANTY FORM

Warranty Term: 1 year from the date of purchase Product

Model :		
Date of Purchase :	(month)	(day) (year)
Name of purchaser :	Phone Number :	
Address :		
Place Purchased :	Phone Number :	
Address :		



Hyunwon Incorporated

- You need to show this Warranty Certificate with the date of purchase when requesting service, in order to receive satisfactory services. Please keep the Warranty Certificate in a safe place.

1. The warranty service on this product is provided based on the information contained in the Warranty Certificate.
2. The warranty service takes effect from the date of purchase, so please make sure you enter the date of purchase on the Warranty Certificate at the time of purchase. (If the date of purchase cannot be verified, the date 6 months from the date of manufacturing will be use instead.)
3. This Warranty Certificate is not reissued.

The exterior or dimensions are subject to change without prior notice to the customer in order to improve the product quality.