DIGITAL AUDIO PLAYER

User's Manual

INFORMATION TO THE USER

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 more of the following measures:

-. Reorient or relocate the receiving antenna.
-. Increase the separation between the equipment and receiver.
-. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-. Consult the dealer or an experienced radio/TV technician for help.

WARNING

Any changes or modifications not expressly approved by the manufacturer 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 undesired operations.

English Ver 1.0

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Features

- **MP3, WMA & ASF Playback**
  Support MP3, WMA and ASF format.

- **MP3 encoding function**
  Encode directly into an MP3 format from audio device such as CDP, MD or Walkman through the cable.

- **High-Quality voice recording with MP3 format**
  Save a digital voice recording file as a high quality MP3 file.

- **Listening to/Recording of FM RADIO**
  Auto search and station memory function make it easy to listen to the FM radio. And you can also convert an FM radio program into an MP3 file in real time.

- **Easy File Navigation**
  The file navigation function makes it easy to find and delete any song.

- **Lyric display (Media Sync)**
  The words of a playback song or foreign language files will be displayed in LCD screen.

- **USB Storage Device**
  You can easily copy and paste PC files to the player using built-in USB connector and windows. It is immediately recognized as a removable storage device without Manager program (Windows ME or Higher).

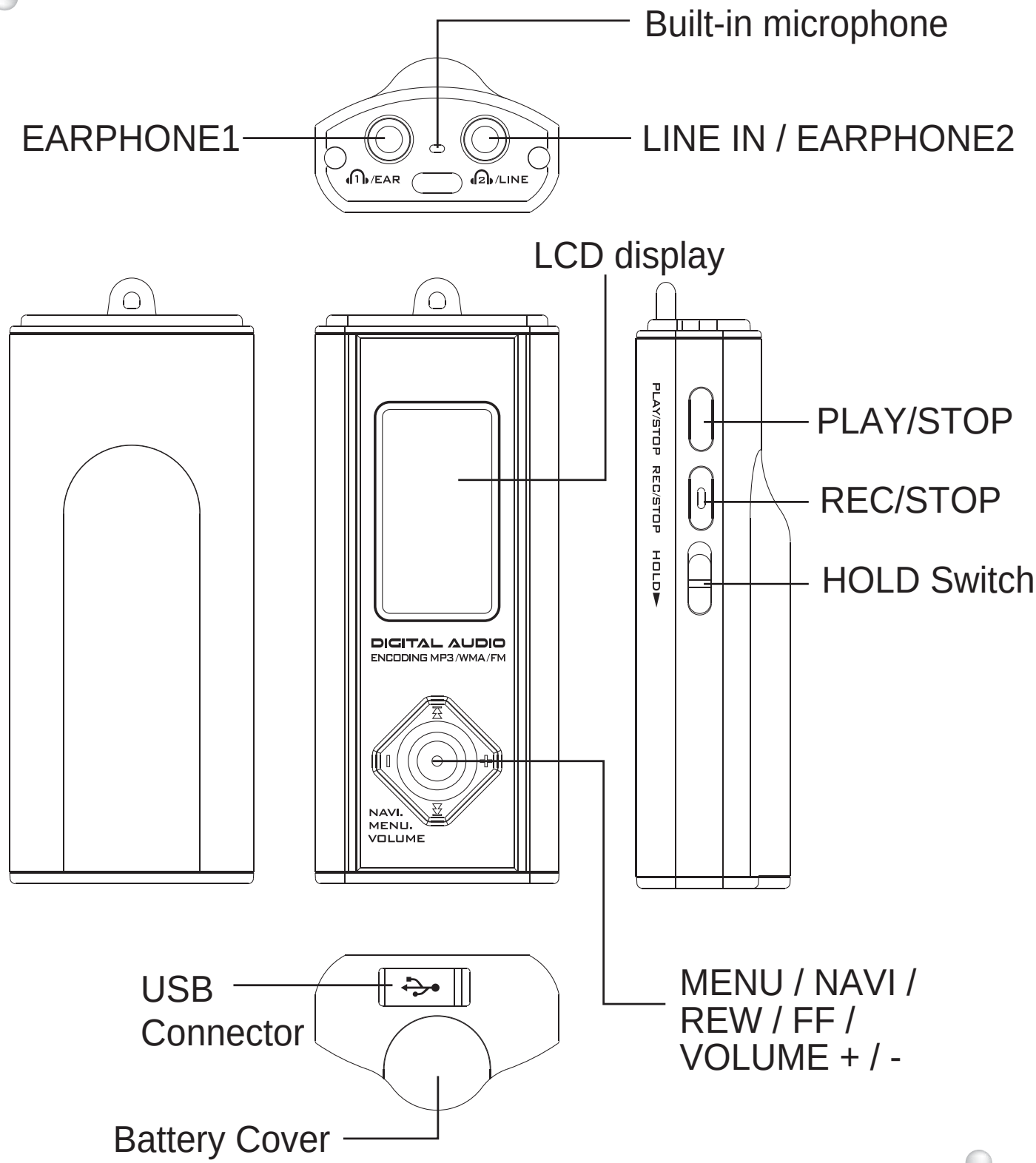
- **Convenient firmware upgrade**
  Transfer the upgraded firmware file to the player and power off. The upgrade will be automatically done.

- **Support 7 color LED Backlight**
  You can select among 7 backlight colors.

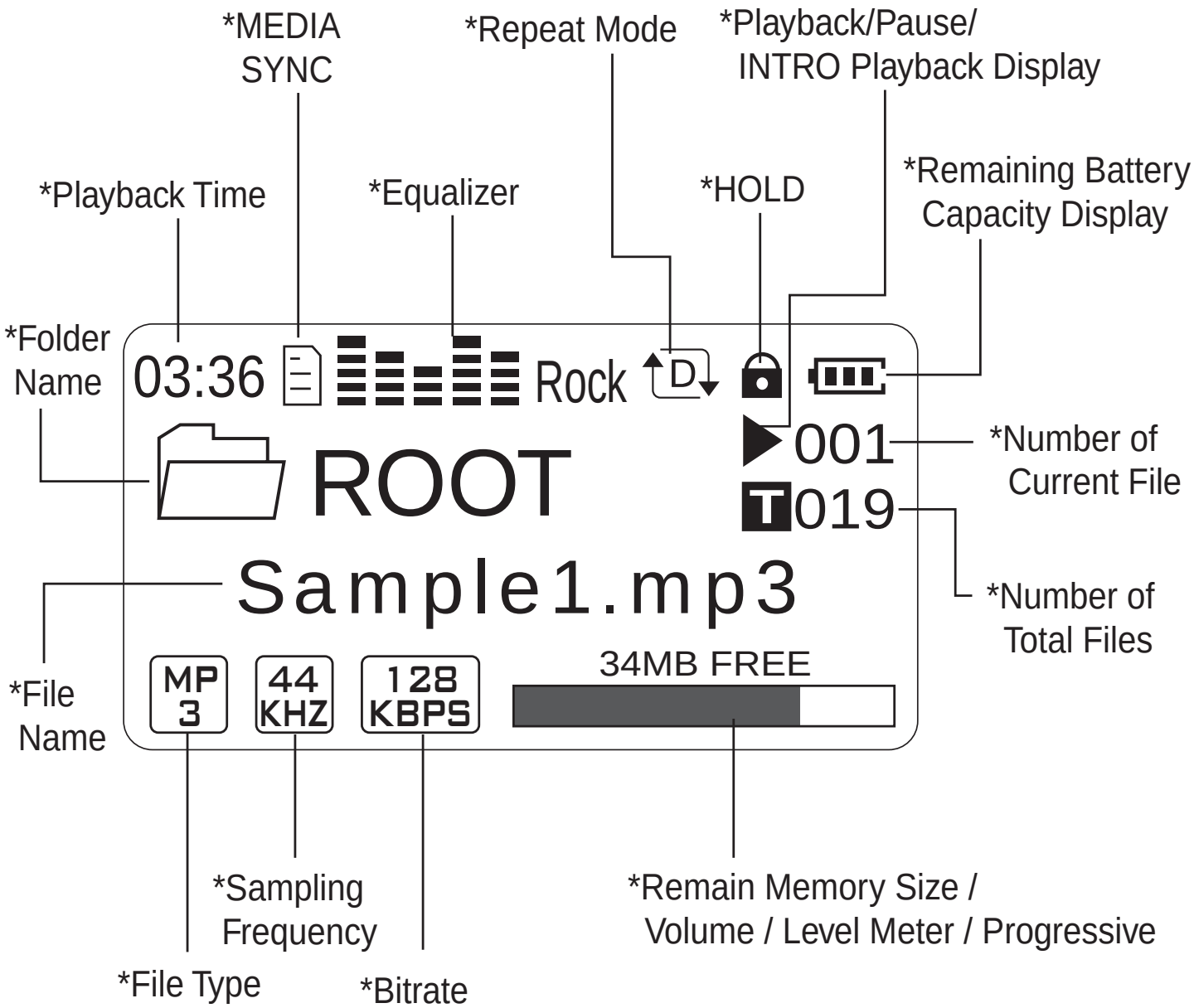
- **Support 5 step speed playback speed control**
  Control the playback speed fast or slowly.

- **Support Dual Earphone**
  You can listen to music through the Line-In jack as well as the Earphone jack when encoding function is not in use.

Name of each part

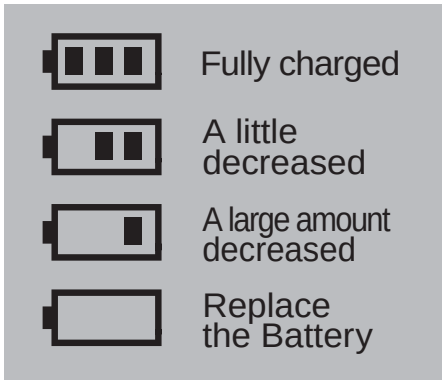


Name of each part



■ Inserting a Battery

Slide the cover to open. Insert a battery in the correct direction, then slide cover back on.



(Battery : AAA, LR03 or UM-4 or equivalent)

* Battery Life Time

Battery	at recording	at earphone playback
"AAA" Alkaline	over 18 hrs	over 14 hrs

■ Power ON

Set HOLD switch to the OFF position and press PLAY/STOP button for 2 seconds.
The player will then power on.

■ Power OFF

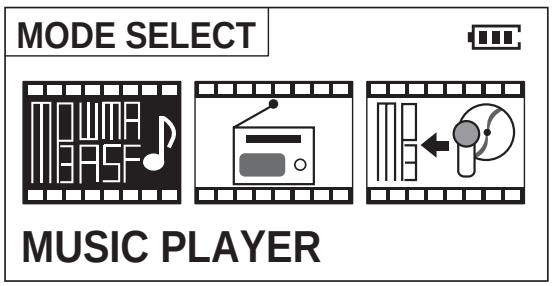
Press PLAY/STOP button for 2 seconds, the player will power off. For managing your battery life time efficiently, the player will automatically power off if no buttons are pressed in STOP state.

■ HOLD Function

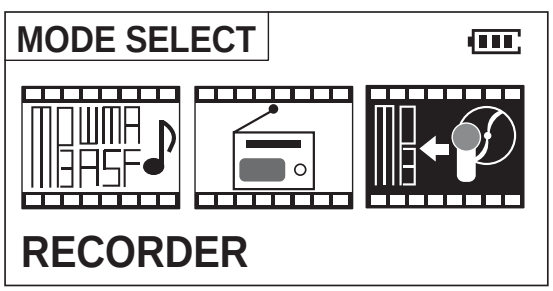
Under HOLD mode, buttons will not work.
Move HOLD switch to the direction of the arrow.
The icon appears on the LCD screen and HOLD mode starts.

Setting up MODE

If you press MENU button for over 2 seconds at any time except for the MENU and NAVIGATION mode, you can enter the MODE SELECT mode.



Select MODE by using FF/REW button.

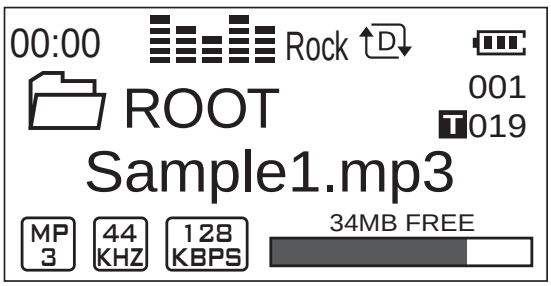


Press the MENU button.

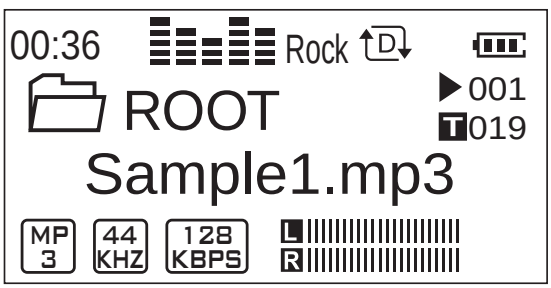
Change the FM or RECORD MODE by pressing MENU button for over 2 seconds.

■ PLAYBACK

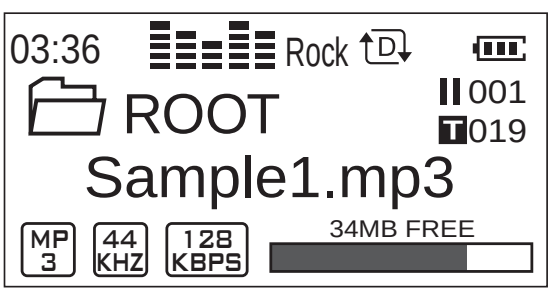
You can verify the remain memory size in STOP state.



Press PLAY/STOP button to play the audio file.



To stop playback, press PLAY/STOP button one more time.



■ Select Equalizer

Every time you press REC/STOP button for over 2 seconds, the equalizer mode changes as follows :

NORMAL → ROCK → JAZZ → CLASSIC → POP → USER EQ

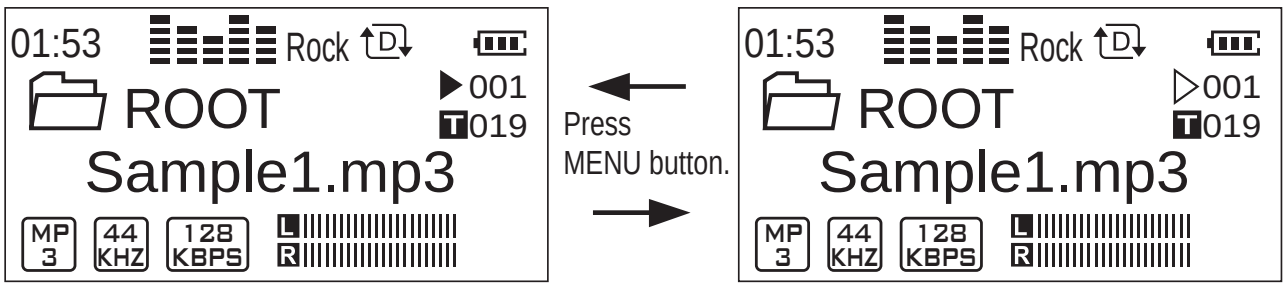
You can also select the desired Equalizer mode in SOUND MENU.

■ Change the Playback Speed

Press MENU button during playing audio file, the playback speed is changed the selected speed.

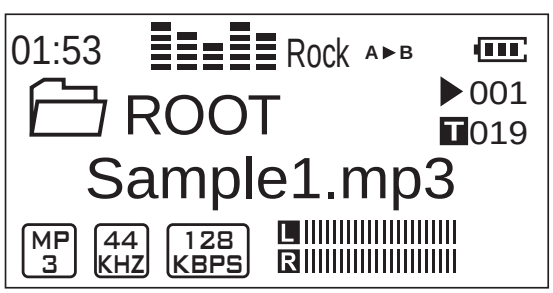
And press MENU button one more time, playing at normal speed.

The playback speed can be selected in TIME & SPEED MENU.



■ Setting up Loop Repeating

1. While the audio file is playing, press REC/STOP button once to select the beginning point. **A▸** Icon will be blinking.
2. Press REC/STOP button again to select the ending point.
   A▸B Icon appears in the display. The selected loop is played repeatedly.



3. Press REC/STOP button briefly to cancel the loop.

■ INTRO Playback

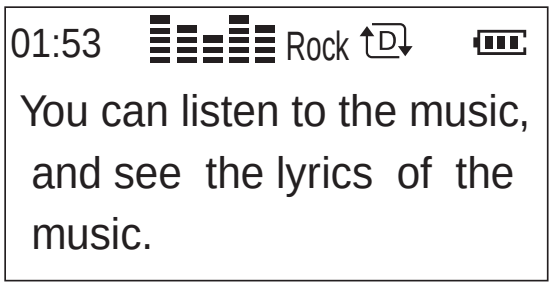
You can set the INTRO playback in SOUND MENU.

All files is played for 10 seconds.

While INTRO playing, press PLAY/STOP button to cancel INTRO Playback during INTRO playback.

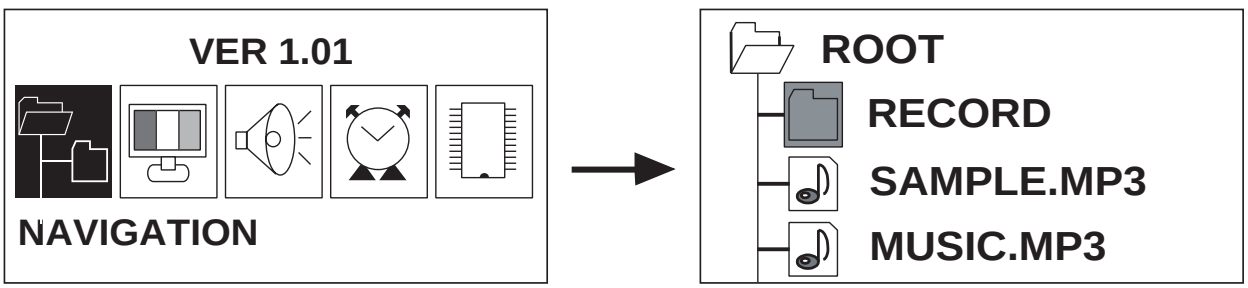
▪ Lyric Display (Media Sync)

To enable Lyric display function, press REC/STOP button in STOP state.
To disable, press REC/STOP button one more time in STOP state.
You can also apply the Lyric display function in DISPLAY MENU.



▪ FILE NAVIGATION (FILE DELETE & FONT UPGRADE)

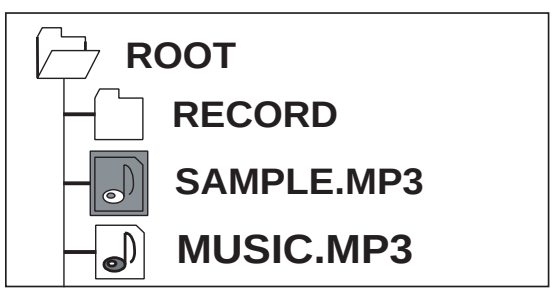
You can delete the file and upgrade font file in FILE NAVIGATION mode.
FILE NAVIGATION mode belongs to MENU mode.
Press MENU button in STOP state, you can enter the MENU mode.
You can enter the NAVIGATION mode by pressing MENU button one more time.



Select NAVIGATION mode, and press the MENU button.

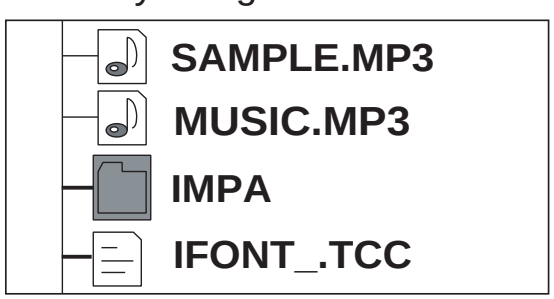
Select Folder or File

Select using VOL+/VOL- button. The icon of the selected file is displayed as the inversed icon.

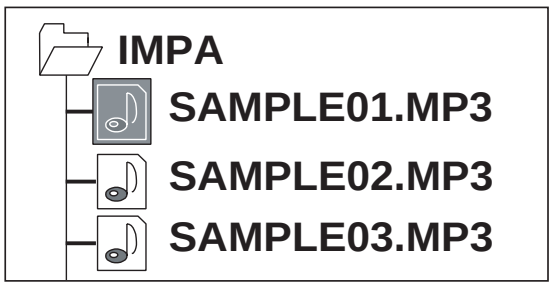


Move to Upper/Lower Folder

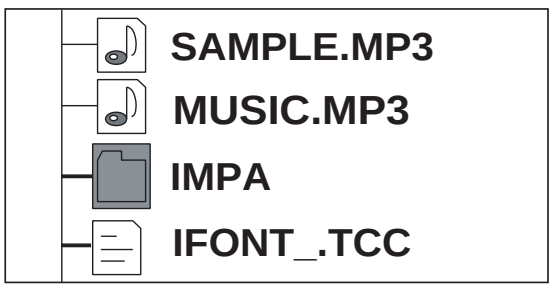
1. Select desired folder by using VOL+/VOL- button.



2. Press FF button, move to desired Lower Folder.

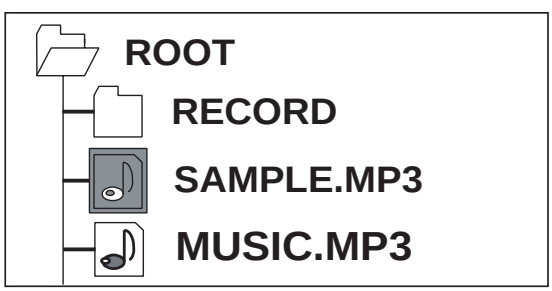


3. Press REW button, move to Upper Folder.



Playback Audio file

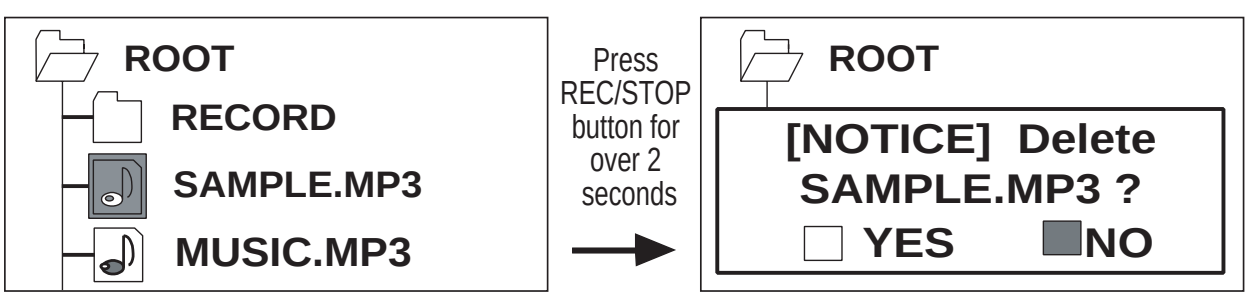
If you select audio file and press FF button, the selected audio file is played.



Display as icon, except for audio files.

Deleting a file

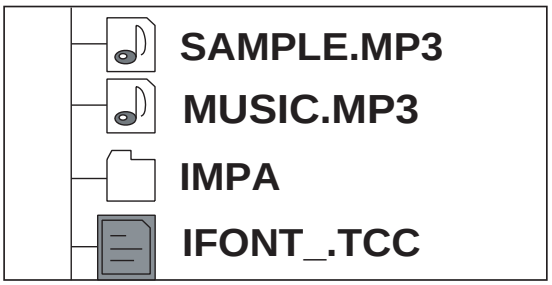
Select file and press REC/STOP button for over 2 seconds.



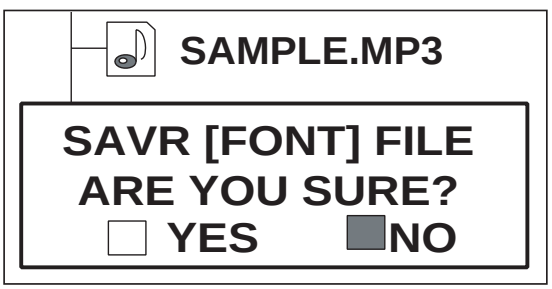
Select YES and press MENU button, the selected file is deleted.

FONT UPGRADE

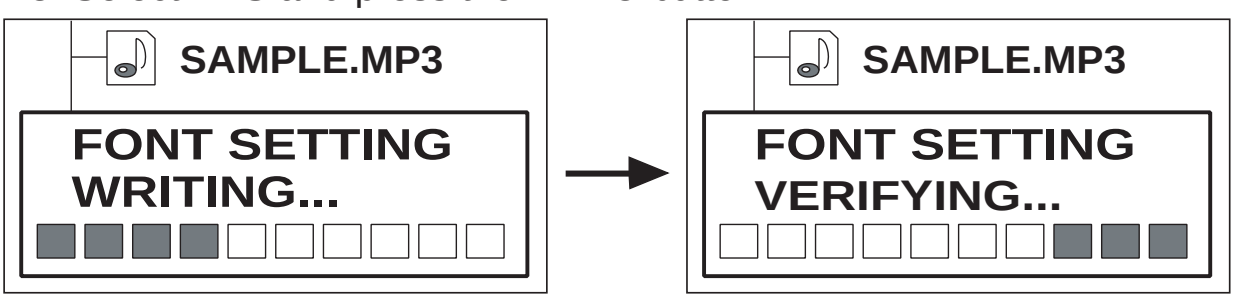
1. Select the "IFONT_.TCC" file in NAVIGATION mode.



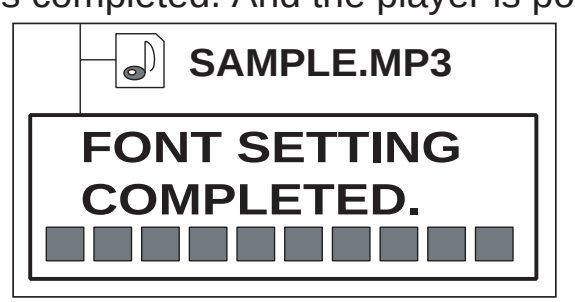
2. Press the FF button.



3. Select YES and press the MENU button.



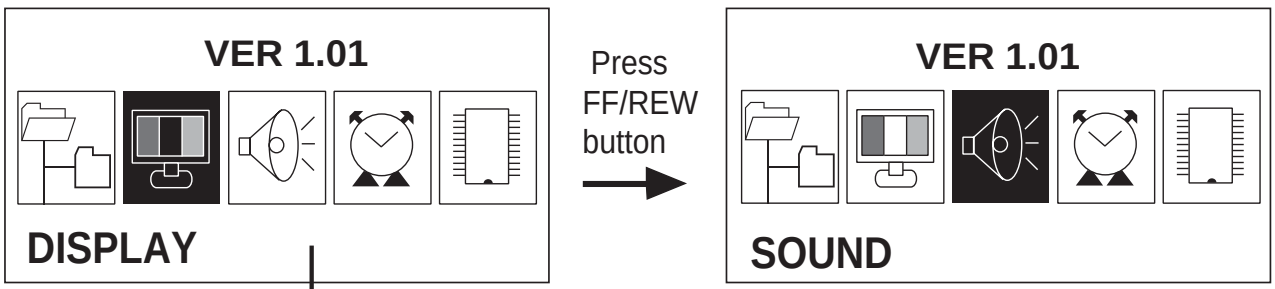
4. Font setting is completed. And the player is powered off.



▪Function & Structure of MENU

You can enter the MENU mode by pressing MENU button in STOP state.
If you press MEMU button in each MENU mode, you can select SUB MENU section.
To Confirm the MENU setting, press MENU button one more time.

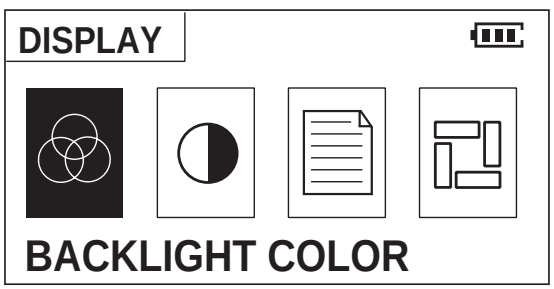
MAIN MENU



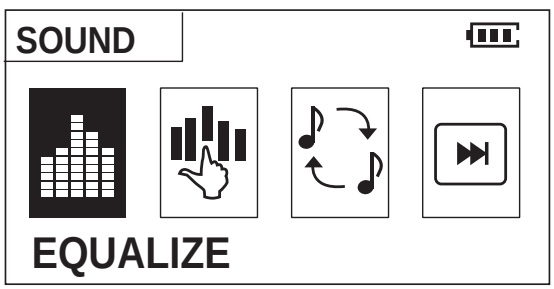
Press MENU button

SUB MENU

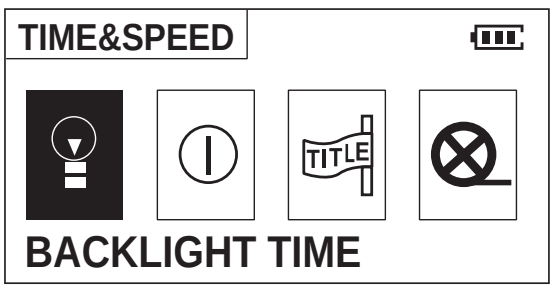
DISPLAY MENU



SOUND MENU

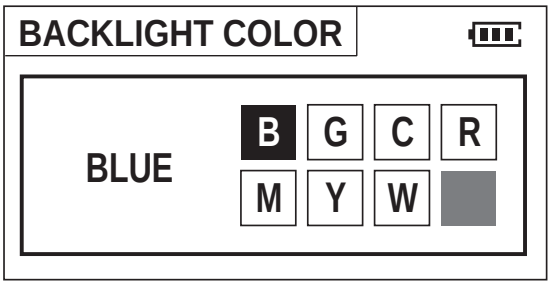


TIME & SPEED MENU



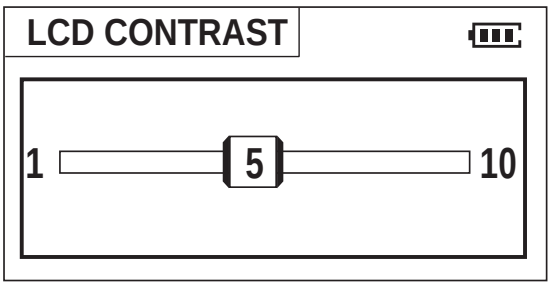
■ **DISPLAY MENU:** You can select BACKLIGHT COLOR, LCD CONTRAST, LYRICS and VISUALIZATION.

BACKTLIGHT COLOR : Setting up LED Backlight COLOR



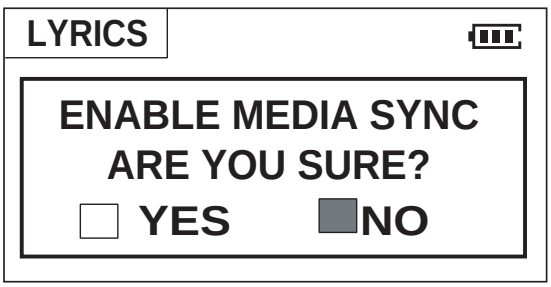
You can change the Backlight Color among the RED, GREEN, BLUE, CYAN, MAGENTA, YELLOW, WHITE.

LCD CONTRAST : Setting up LCD CONTRAST



Select the LCD Contrast by using FF/REW button.
The setting range of the LCD Contrast adjusts from 1 to 10.

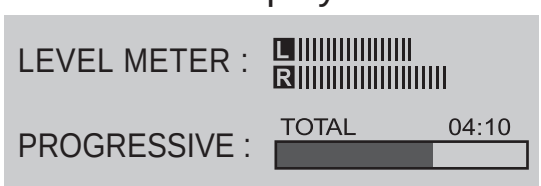
LYRICS : Setting up LYRICS function (MEDIA SYNC)



You can see the Lyric or Foreign Language TEXT on the LCD display.

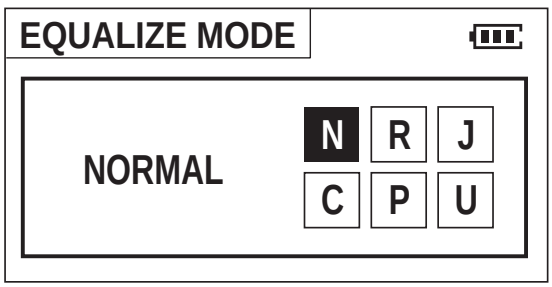
VISUALIZATION : Setting up VISUALIZATION function

Select the Visualization function on the LCD display.



■**SOUND MENU:** You can select Equalizer, USER EQ setting, REPEAT and INTRO PLAY function.

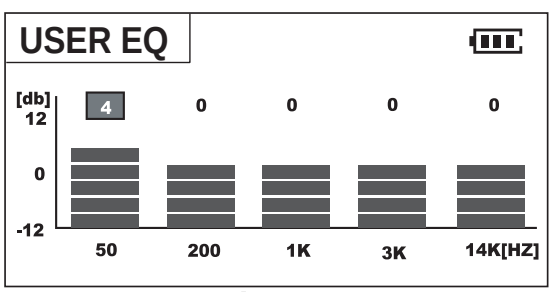
EQUALIZER : Setting up EQUALIZER Mode



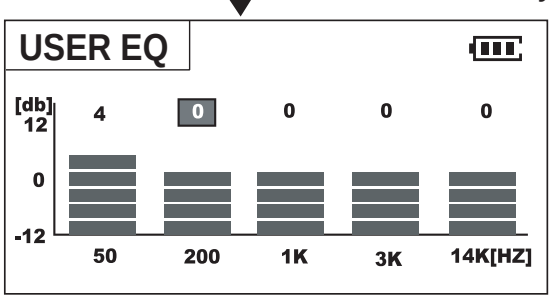
You can select the Equalizer Mode.

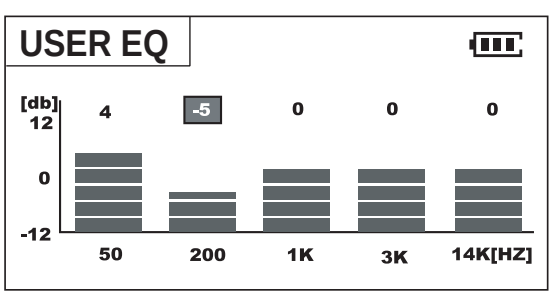
USER EQ: Setting up USER EQUALIZE

You can set the User Equalize.
Select the band you want to adjust using FF/REW button.
In the selected Band, the level can be adjusted using VOL+/VOL- button.



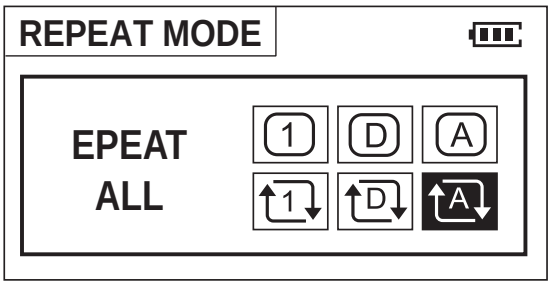
Select the band by using FF /REW button





Adjust the value by using VOL+/VOL- button

REPEAT : Setting up Repeat Mode



You can select the Repeat mode you want.

1 :Play a single track and stop.

D :Play all tracks in the folder and stop.

A :Play all tracks in the unit and stop.

1 :Play a single track repeatedly.

D :Play all tracks in the folder repeatedly.

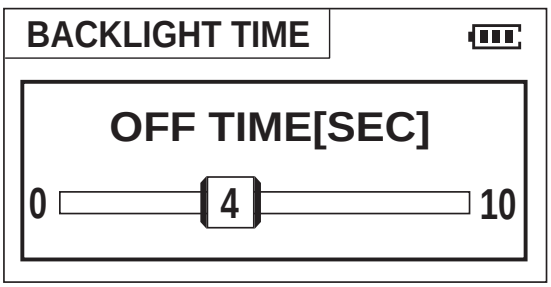
A :Play all tracks in the unit repeatedly.

INTRO PLAY : Setting up INTRO PLAY

Select "Yes" and press MENU button. All files are played for first 10 seconds one by one.

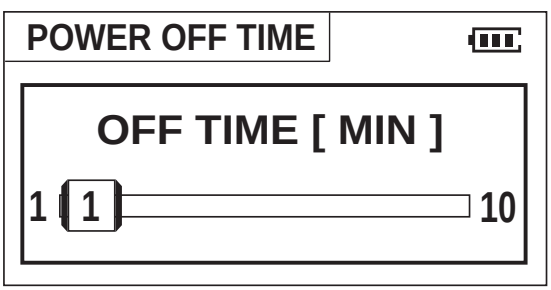
■**TIME & SPEED MENU:** You can select BACKLIGHT TIME, POWER OFF TIME, TITLE SCROLL and PLAY SPEED MENU.

BACKLIGHT TIME: Setting up LED BACKLIGHT TIME



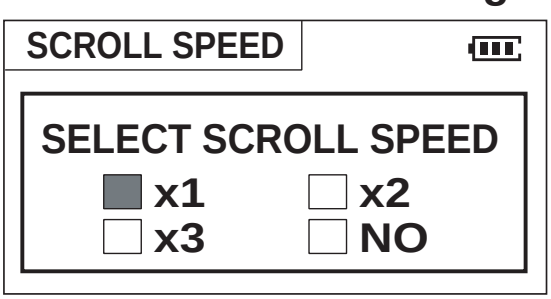
Select the Backlight Time by using FF/REW button.

POWER OFF TIME : Setting up Automatic Power Off Time



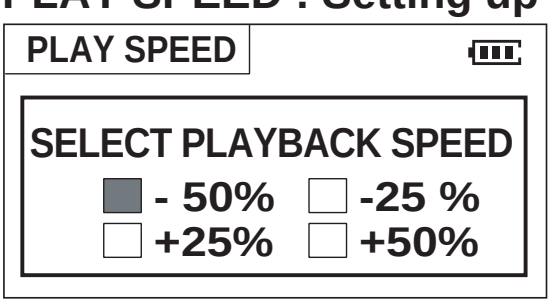
You can select the automatic power off time.
Automatically turns itself off if no buttons are pressed for the selected power off time in STOP state.

TITLE SCROLL : Setting up TITLE SCROLL SPEED



Select the scroll speed of the file name.

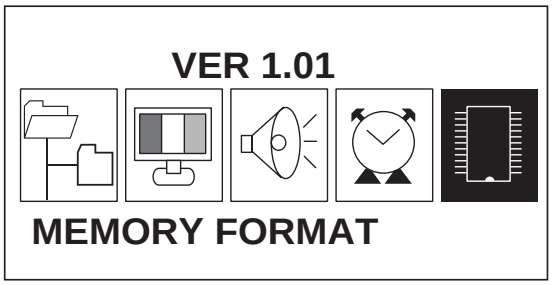
PLAY SPEED : Setting up Playback Speed



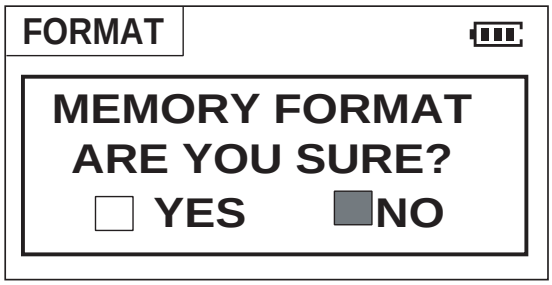
You can select the playback speed.
'+' means the fast playback and
'-' means the slow playback.

▪ MEMORY FORMAT : Initialize the built-in Memory

Press MENU button, and select MEMORY FORMAT.



Press MENU button once more.



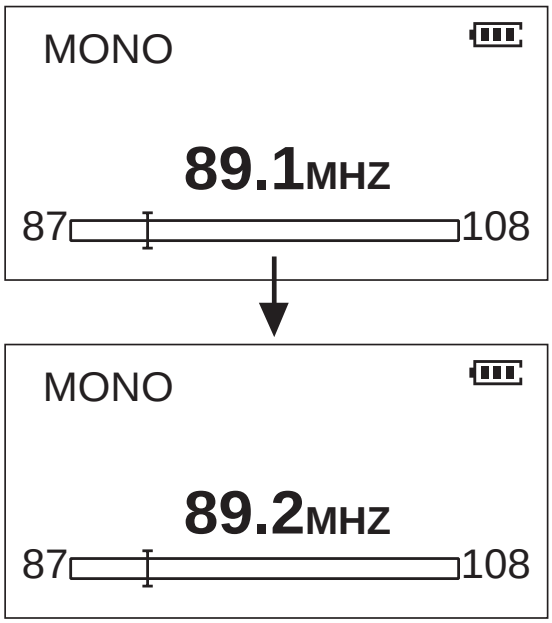
Select "YES", the built-in memory is formatting.

[NOTE] It takes a few minutes to format the memory.
All files will be deleted when the memory is formatting.
After format, you should to download the font.

Change the MUSIC or RECORD MODE by pressing MENU button for over 2 seconds.

▪Listening FM (87.0MHz~108.0MHz)

Select the FM MODE by pressing MENU button long.

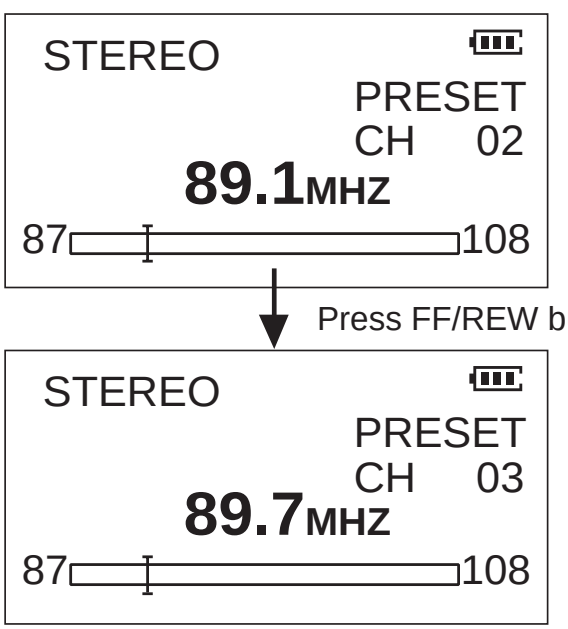


- Press briefly FF/REW button, the frequency changes by 0.1MHz.
- AUTO SCAN Function: Press FF/REW button for over 2 seconds, and channel is selected automatically.
- Press PLAY/STOP button to select Stereo/Mono.

[NOTE] AUTO SCAN may not work within weak transmission area.

▪PRESET function (Listening saved channel)

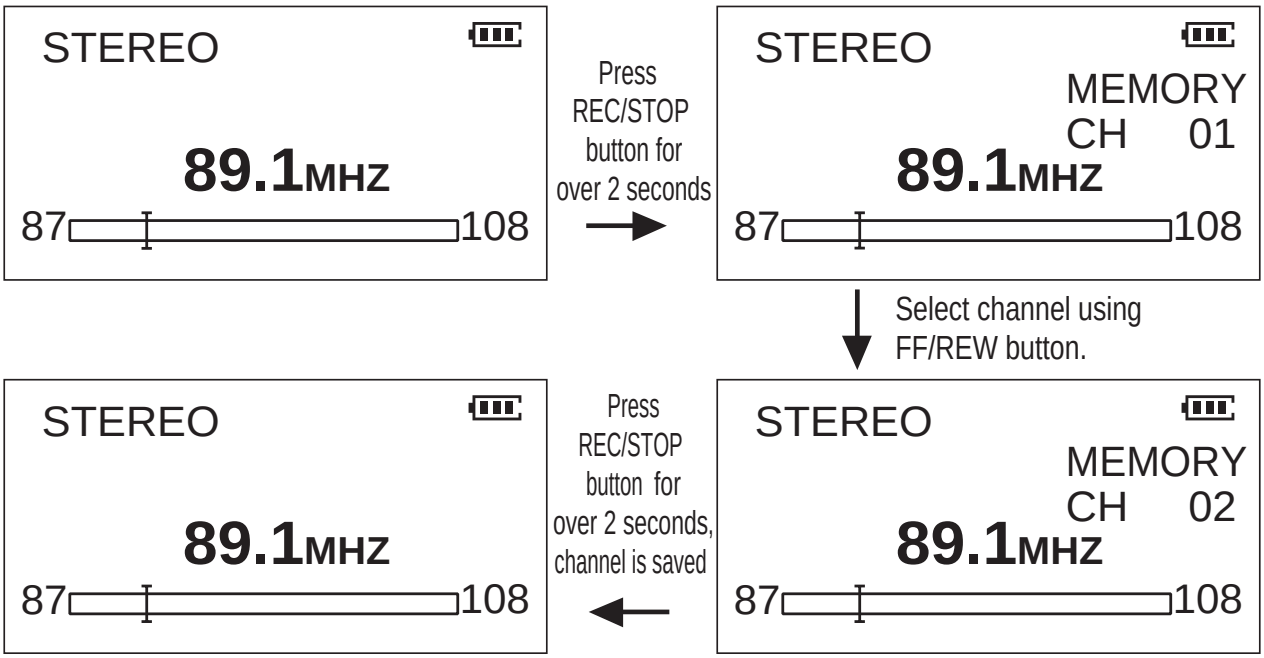
Press MENU button to enter the PRESET mode.



Press FF/REW button, and the channel number is changed.

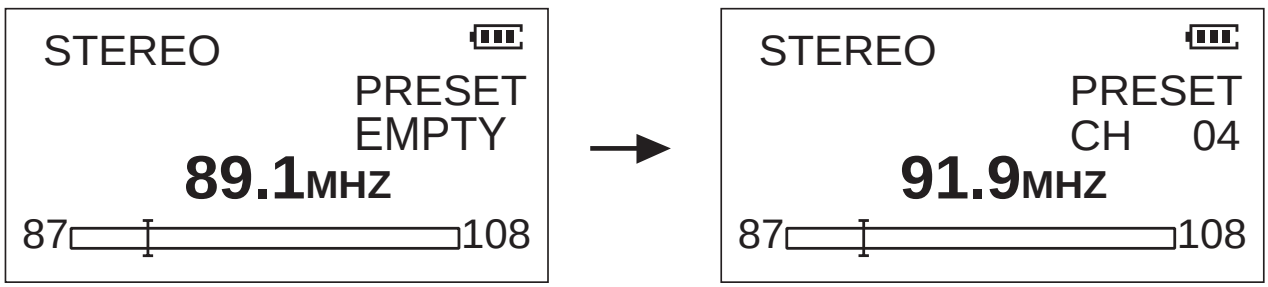
▪MEMORY Function (Save channels)

Select channel to be saved using FF/REW button in PRESET mode.



▪AUTO MEMORY Function (Save channel Automatically)

Press FF/REW button for over 2 seconds in PRESET mode.



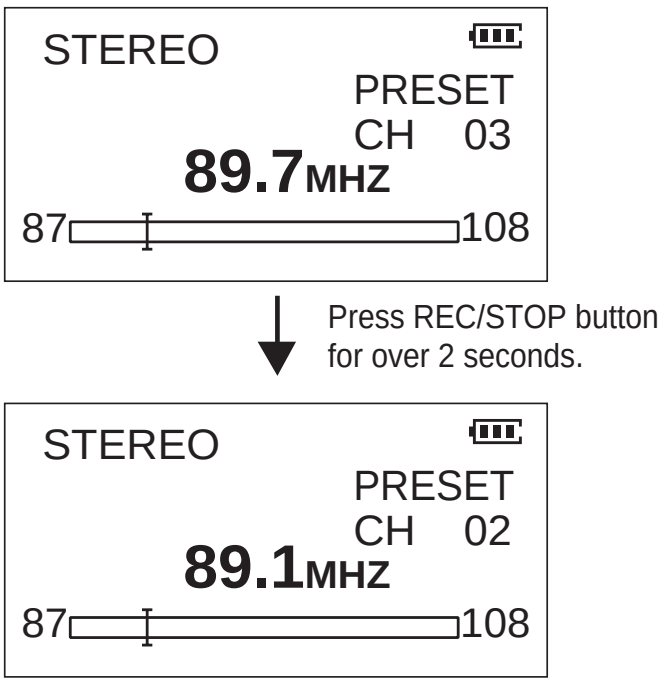
Automatically select channels and save them in sequential order by using FF/REW button.

[NOTE] If you use AUTO MEMORY function, the saved channels before are deleted.

[NOTE] AUTO MEMORY may not work within weak transmission area.

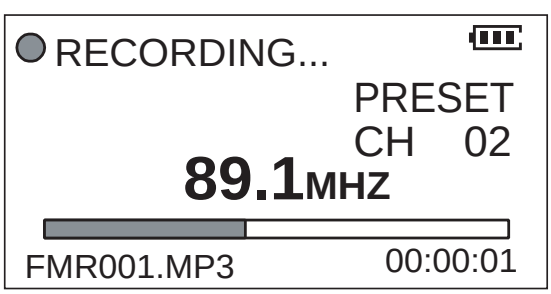
▪ MEMORY Delete Function (Delete saved channel)

Select channel to be deleted using FF/REW button in PRESET mode.



▪ To record FM RADIO

Press the REC/STOP button, while you listen to the FM radio, the recording is started.
To stop recording, press the REC/STOP button again.
The recorded file is saved as FMR001.MP3.



[NOTE] The recorded file is saved in the RECORD folder.

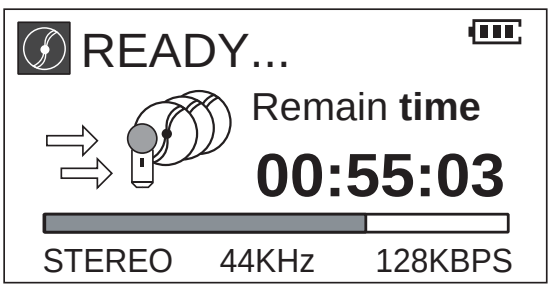
Change the MUSIC or FM MODE by pressing MENU button for over 2 seconds.

▪ Setting the Recording Mode

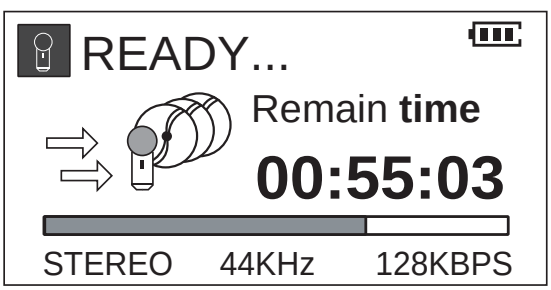
By pressing MENU button, you can enter the Record setting mode.
By pressing VOL+/VOL- button can move each setting mode.
Press MENU button again, Record setting is completed.

Selecting the MP3 ENCODING/VOICE RECORDING MODE

Select MP3 ENCODING or VOICE RECORDING by using FF/REW button.



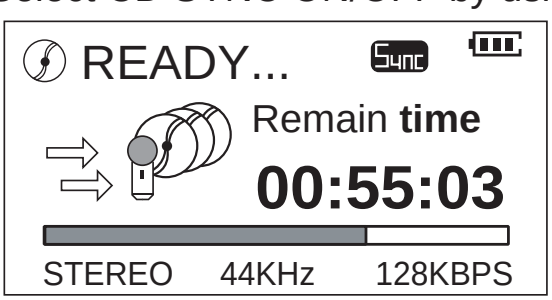
MP3 ENCODING MODE



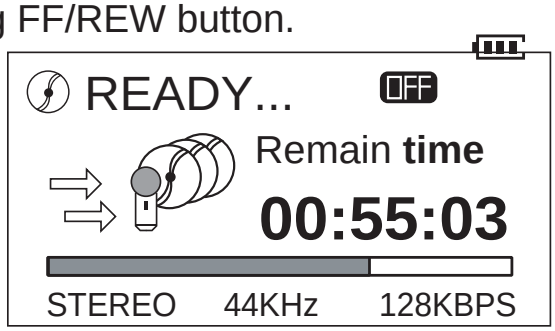
VOICE RECORDING MODE

Setting the CD SYNC : You can setting at **ONLY MP3 ENCODING mode.**

Select CD SYNC ON/OFF by using FF/REW button.



CD SYNC ON



CD SYNC OFF

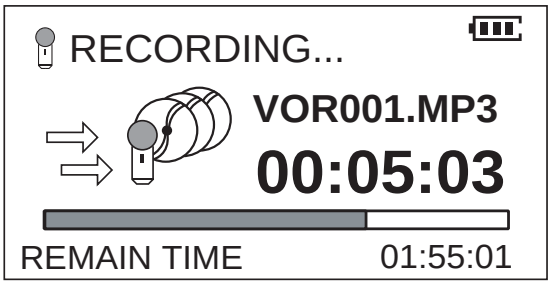
Select the Sound Quality.

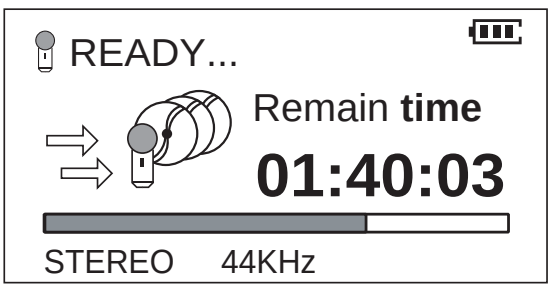
Select the Sampling Frequency and Bit Rate by using FF/REW button.

Support sampling frequency and Bit rate is shown as below.

STEREO/MONO	Sampling freq.	Bit Rate
MONO	16 KHz	16 Kbps
MONO	16 KHz	24 Kbps
MONO	16 KHz	32 Kbps
STEREO	16 KHz	40 Kbps
STEREO	22 KHz	48 Kbps
STEREO	22 KHz	56 Kbps
STEREO	22 KHz	64 Kbps
STEREO	22 KHz	80 Kbps
STEREO	22 KHz	96 Kbps
STEREO	32 KHz	112 Kbps
STEREO	44.1 KHz	128 Kbps
STEREO	44.1 KHz	160 Kbps
STEREO	44.1 KHz	192 Kbps

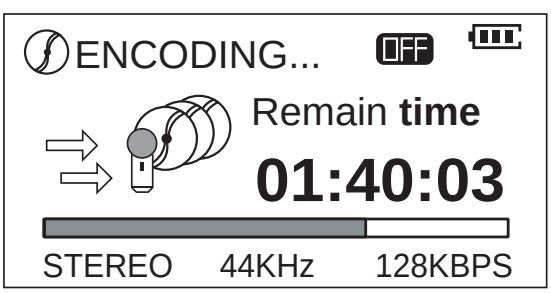
▪VOICE RECORDING





1. Press REC/STOP button and voice recording starts.
   If recording is started, the recording time is displayed in upper line and remain time are displayed in lower line.
2. To pause recording, press PLAY/STOP button.
   And press REC/STOP button to resume recording.
   When the recording is paused, recording time is blinking.
3. Press REC/STOP button, and recording is completed.

▪MP3 ENCODING



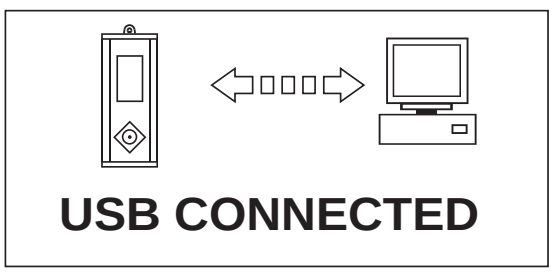
1. Connect the Headphone jack of the external equipment to the LINE-IN jack of the player with Line-In cable .
2. Set the Bit Rate and CD SYNC in the MENU.
   *Refer to "Setting the Recording Mode"
3. Press REC/STOP button.
4. Press PLAY/STOP button to Pause Encoding.
5. And press REC/STOP button to resume Encoding.
6. Press REC/STOP button, Encoding is completed.

*Test the quality of recording, CD SYNC and external audio volume before the Encoding.
*Encoding can be failed if the sound is weak on the external audio volume.
*When MP3 Encoding, be sure to connect the cable in the LINE-IN Jack.

▪DOWNLOAD & UPLOAD

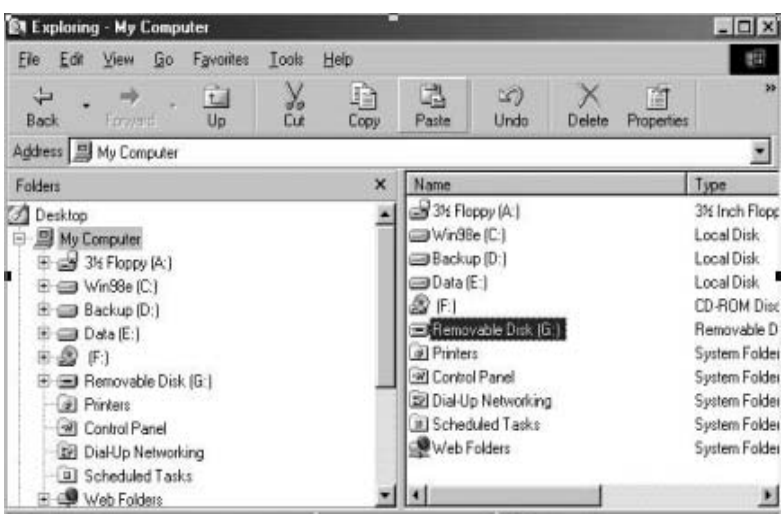
Downloading and Uploading file is not necessary to use the special management program.
The recorded file will be saved in the RECORD folder.

1. Connect the player to the PC with an USB cable or PC USB port, and "USB CONNECTED" is displayed in the LCD screen. When connected to the USB, the player is detected Removable Disk at the Windows Explorer.



[NOTE] "DON'T REMOVE USB" is displayed in the LCD during files is download to the player. Do not disconnect the USB cable when "DON'T REMOVE USB" is displayed in the LCD.

2. Select files to download from Windows Explorer and copy the desired files.
3. Paste on to the Removable Disk.



▪FIRMWARE UPGRADE

You can download the firmware file(**Player7.rom**) from our Homepage.
Copy it to the player.
Turn off player and turn on player again, the Firmware is automatically upgraded.

[NOTE] If the firmware file name is not "**Player7.rom**", Firmware is not upgraded.

■System Requirement

* COMPUTER : Pentium 200MHz or faster, supported USB
* MEMORY : Above 64MB
* OS : Windows 98SE/ME/2000/XP
* HDD : More than 20MB free

Insert Installation CD into the CD-ROM drive.

The following screen appears after insert the CD.

If the installation doesn't automatically begin, execute the "Install.exe" file in the installation CD.

The installation program will begin.

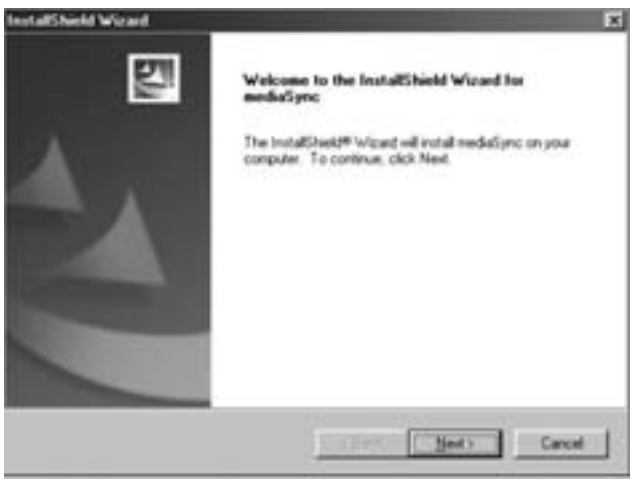
Install Win98 drivers

Installing driver for Windows 98SE.
Windows ME/2000/XP OS do not need this driver.

Install Media Sync

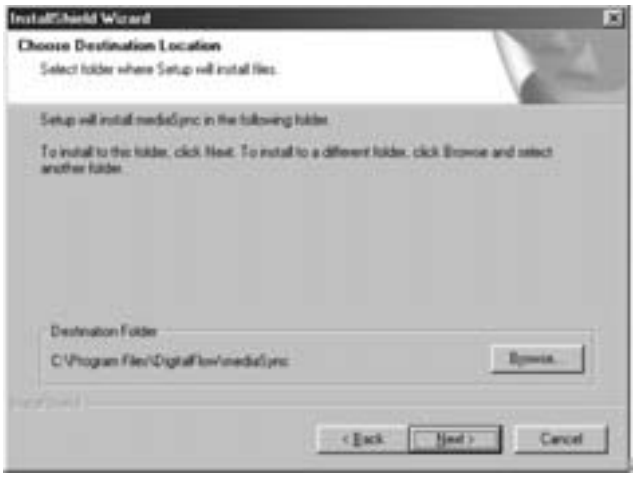
Installing Media Sync that is the lyric edit program.

Choose the language.

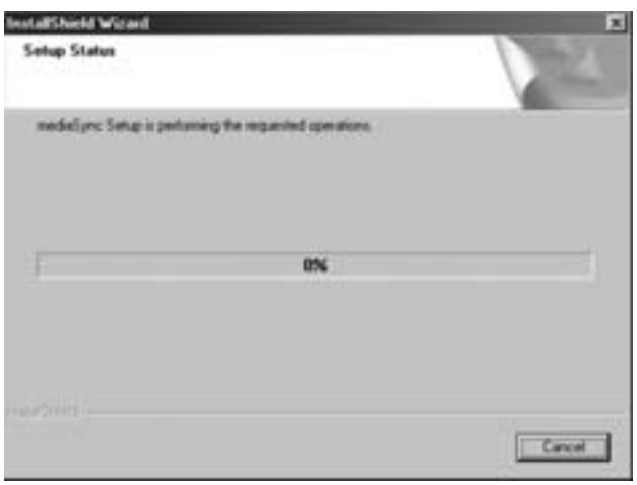


Click NEXT.

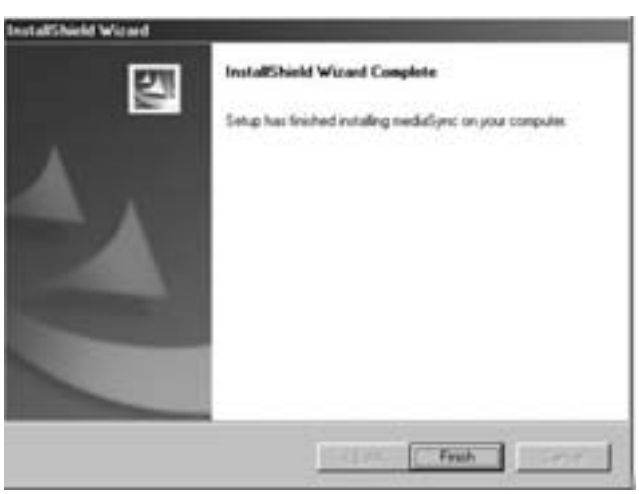
If you accept all the terms of the License Agreement, click Yes.



Click NEXT.



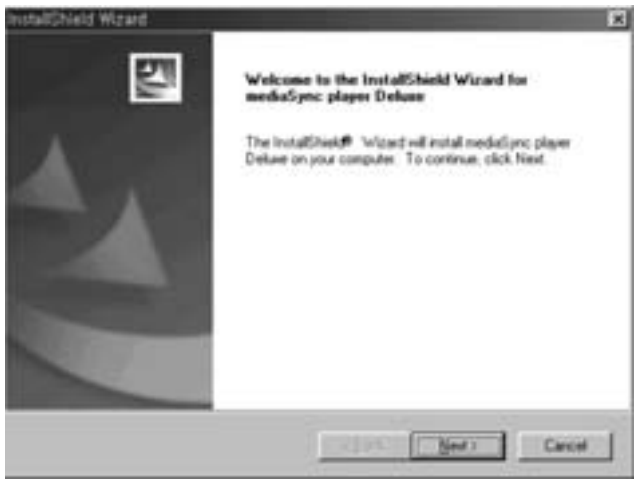
Wait for the installation complete.



Click Finish to complete the installation.

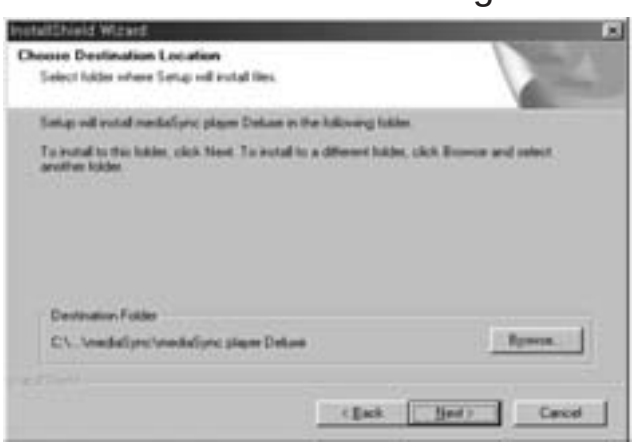
Install Sync Player Deluxe

Installing Sync Player Deluxe that is Lyric display application program.

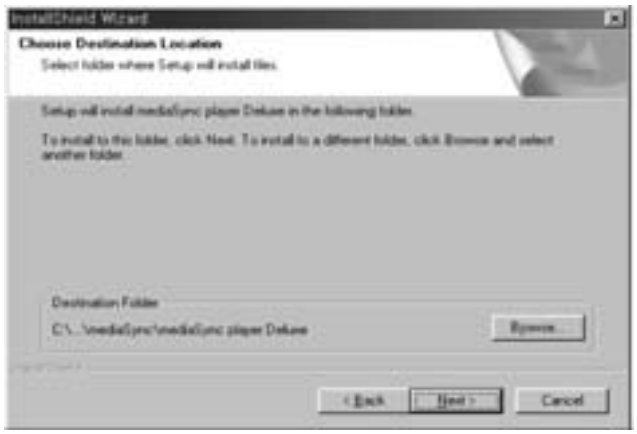


Click NEXT.

If you accept all the terms of the License Agreement, click Yes.



Click NEXT.

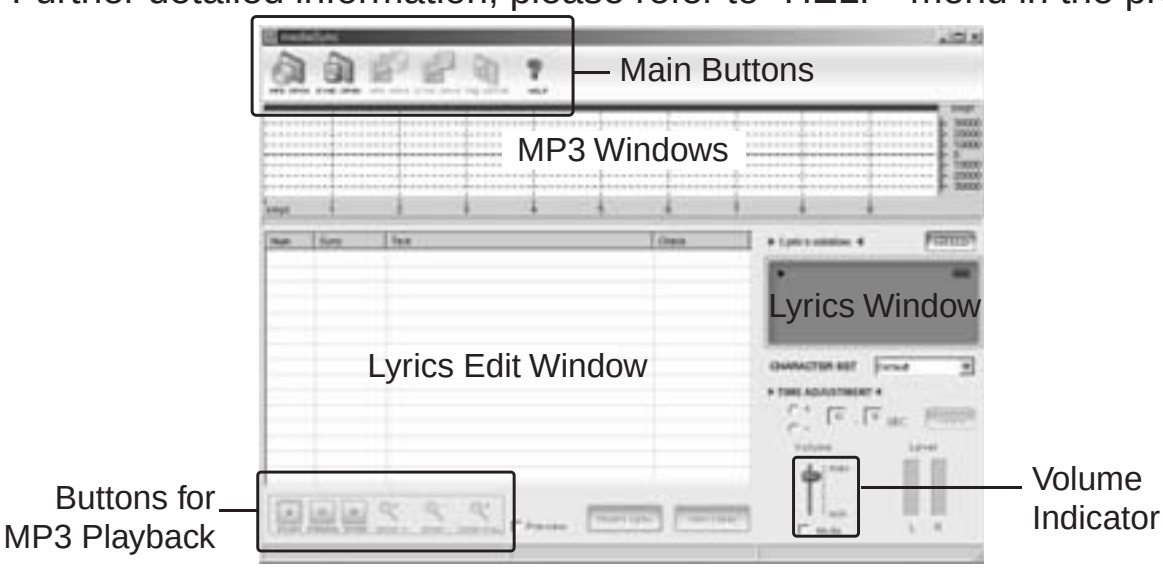


Click NEXT.

Wait for the installation complete.
Installation is completed, program icon appears on the PC.

<Media Sync>

Further detailed information, please refer to "HELP" menu in the program.



Cautions in Operating

1.Do not place the product in the following condition and/or places:
--Where temperatures reach above 120°F.
--Dusty place.
--Near heaters or any type of heat sources.
--In a car with windows closed, especially in the summer.
--Damp places,like a sauna or bathroom.
2.Any excessive force on the LCD display could cause damages to it and to the over all LCD functions.
3.A magnetic card such as a credit card or subway communication ticket may not work once it is placed on or close to the speaker.
4.The seller holds no lability for any damages caused by misuse of the product and any claims from the third party.
5.The seller holds no liability for any lost messages which are caused by repair or any other troubles.

Cautions in Using Battery

1.Do not short circuit,disassemble,heat or put batteries in the fire. Battery acid could cause bodily harm if exposed to the skin or eyes.
2.Do not use different kind of battery.
3.Remove the battery, if the player will not be in use for over a month time.

Cautions for Safety

1.Remove the battery when there are malfunction caused by smoke and heat.
2.Do not use the device where electronic product operation is prohibited like inside an airplane.
3.Do not operate when driving or walk, to prevent accidents or distractions.

Specifications

For improvement of product, specifications & design can be changed without notice.

Category		Specification		
MEMORY		128MB	256MB	512MB
MAX. Recording Time		18 hours	36 hours	72 hours
FM RADIO	FM Frequency range	87 ~ 108 MHz		
	Headphone Output	(L)7mW+(R)7mW(16Ohm) max:Volume		
	Antenna	Headphone/earphone-code Antenna		
FILE SUPPORT	MPEG1/2/2.5 Layer3	Bit Rate: 16 ~320 Kbps		
	WMA ASF(Audio only)	Bit Rate: 16 ~192 Kbps		
	S/N ratio	85dB		
Tag Info		ID3 V1, ID3 V2 2.0, ID3 V2 3.0, ID3 V2 4.0		
LCD		Full Graphic 4 lines with 7 Color LED Backlight		
MAX. Output Power		(L)7mW+(R)7mW(16Ohm) max:Volume		
Input		Built in MIC / Line in Jack		
Output		Stereo Jack		
USB		USB 1.1		
Dimensions		77*33*21mm (H*W*D)		
Weight		35g (Without battery)		
Memory Medium		Built in Flash Memory		
Power Source		1.5V, "AAA" Alkaline		
MAX. Playtime	Play	14 Hours (44.1 KHz,128 Kbps)		
	Record	18 Hours (16 KHz,16 Kpbs)		
	FM Radio	14 Hours		
Operational Temperature		0 ~40℃		