Digital Audio Player

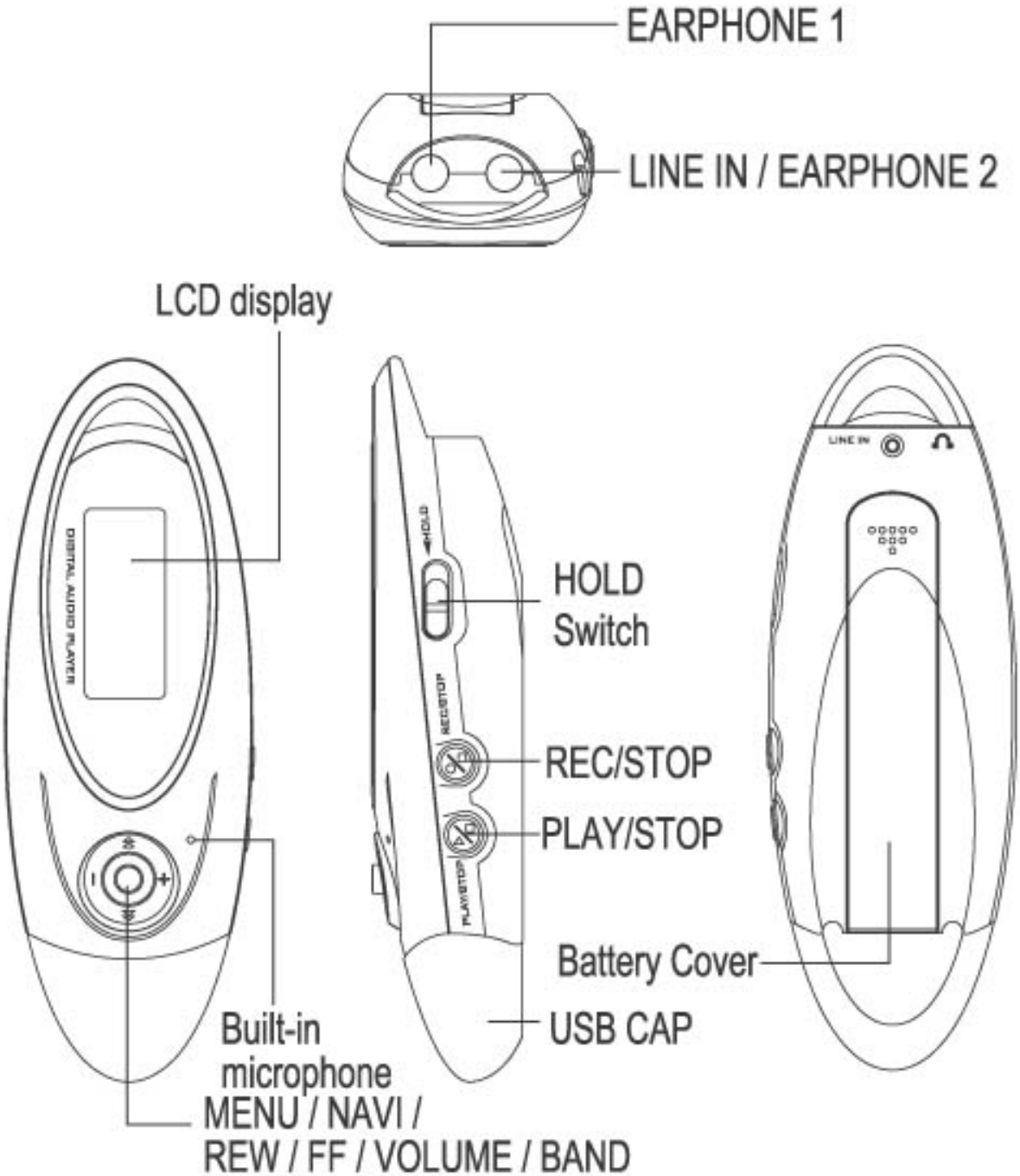
User's Manual

Ver 1.1

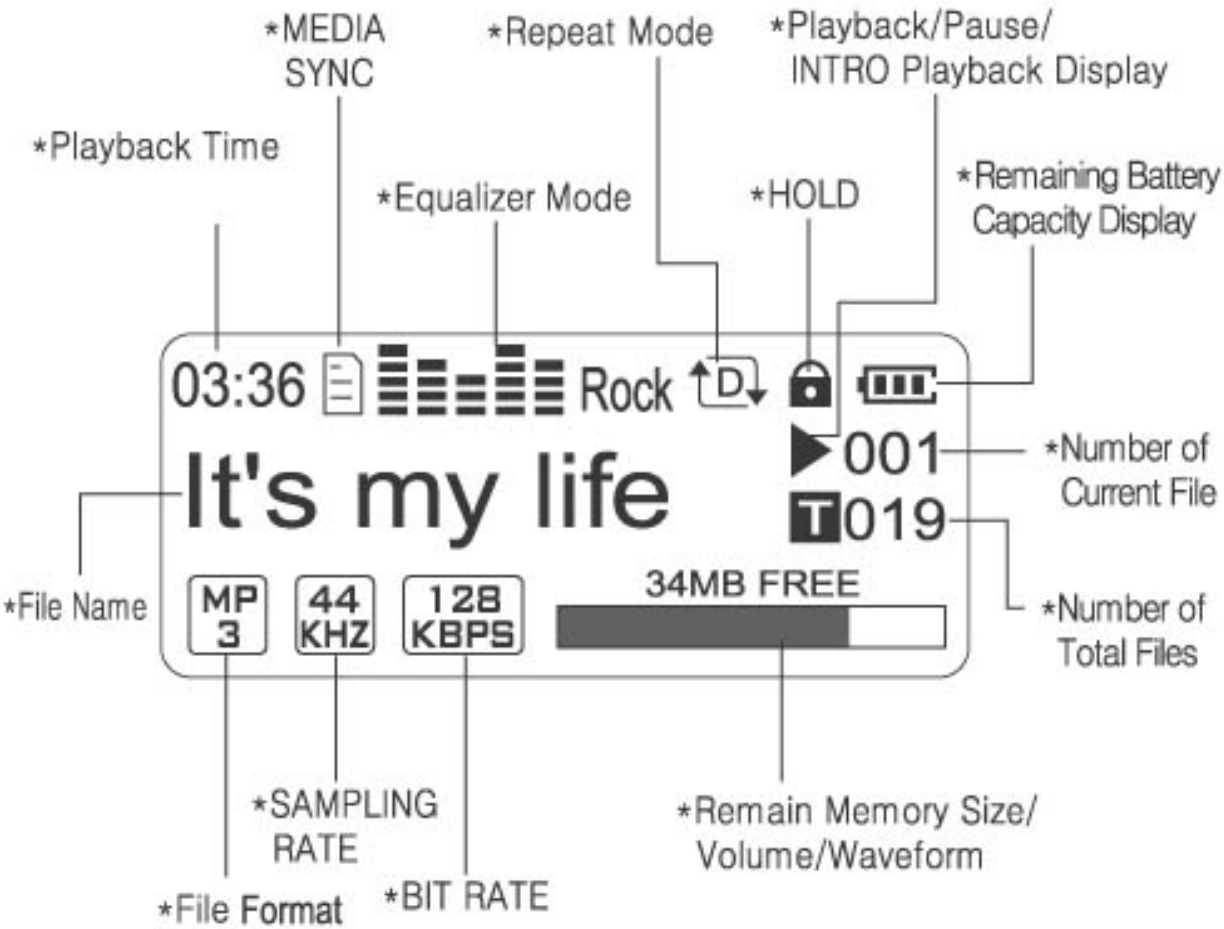
Features

- **MP3 , WMA & ASF Playback**
  Support MP3, WMA and ASF format.
- **MP3 encoding function**
  Record directly into an MP3 file 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 Navigation**
  The simple navigation makes it easy to find and save 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. When power on, the player will be automatically upgraded.
- **Support 7 color LED Backlight**
  You can select among 7 backlight colors.
- **Support 5 step speed playback control**
- **Support Dual Earphone**
  You can connect another earphone to the Line In jack when Encoding function is not in use.

Name of each part

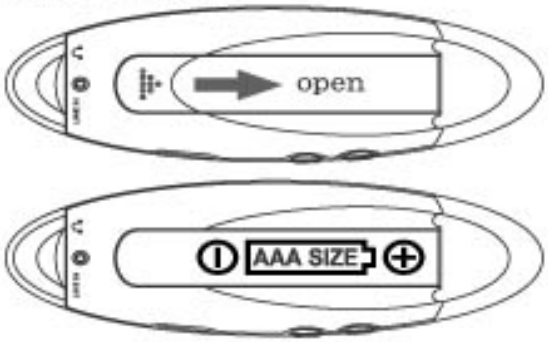


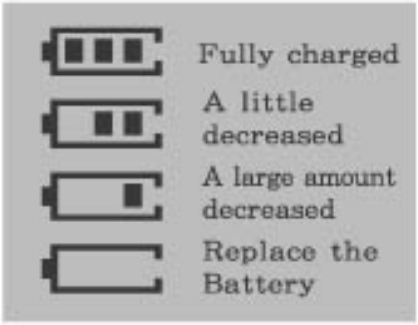
Name of each part



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 the PLAY/STOP button for 2 seconds.
The player will then power on.

Power OFF

Press the 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

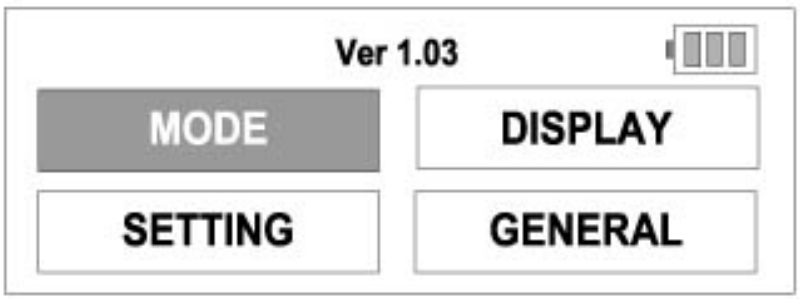
Under HOLD mode, buttons will not work.
Slide the HOLD switch on the player in the direction of the arrow.

Setting up MODE

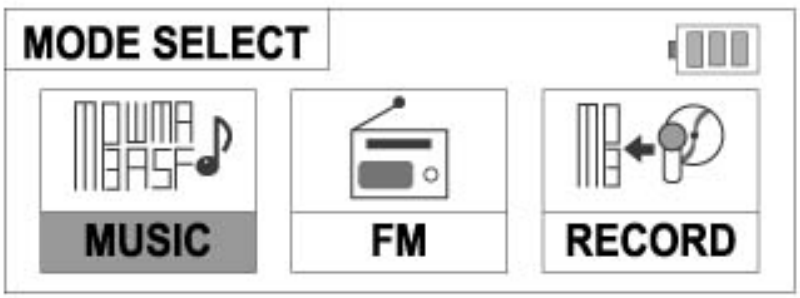
MUSIC MODE

Press MENU button for over 2 seconds during playback , and you can directly enter the MODE SELECT mode.

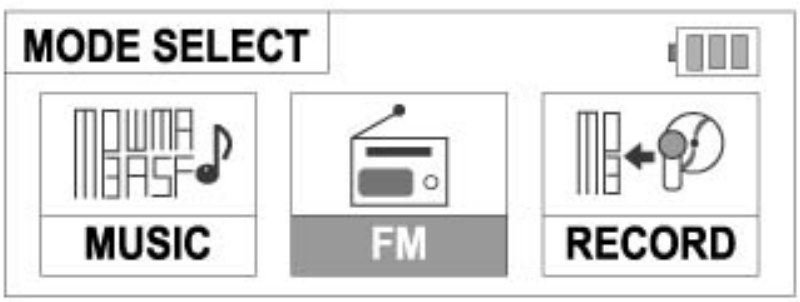
Press MENU button in STOP mode, and you can enter the 'MAIN MENU' mode.



Press MENU button one more time.



Select MODE by using FF/REW button.

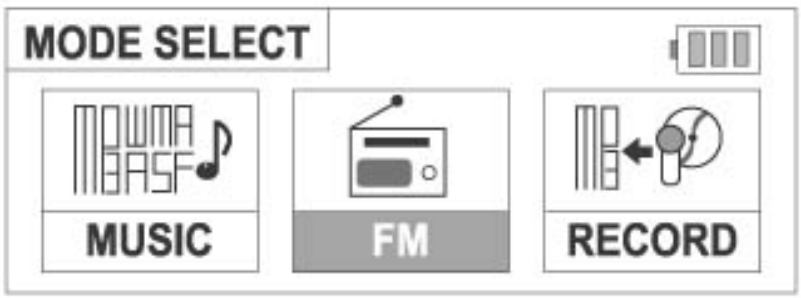


Press the MENU button.

Setting up MODE

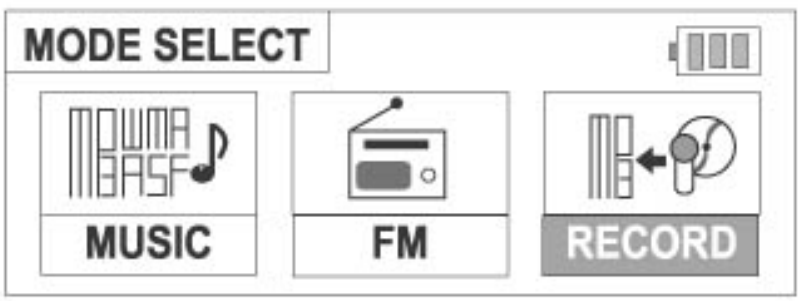
FM MODE

Press MENU button for over 2 seconds, and you can directly enter the MODE SELECT mode. And select the desired MODE with a way as above.



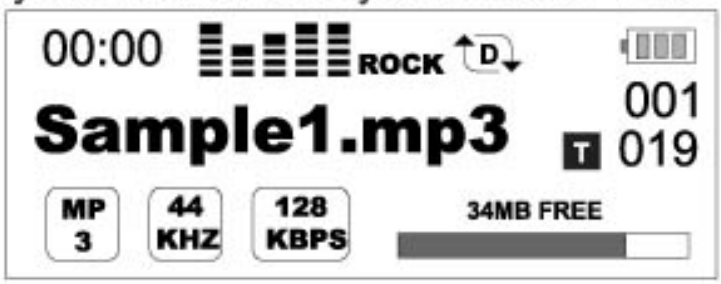
RECORD MODE

Press MENU button for over 2 seconds, and you can directly enter the MODE SELECT mode. And select the desired MODE with a way as above.

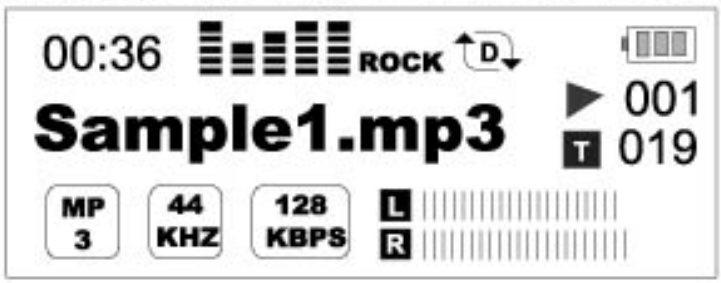


PLAYBACK

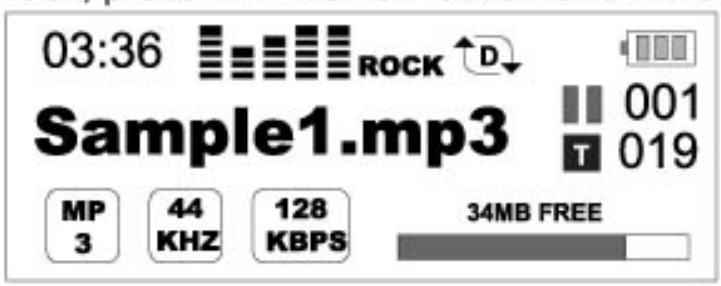
You can verify the remain memory size in STOP state.



Selected file playback if you press PLAY/STOP button.



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



Select Equalizer

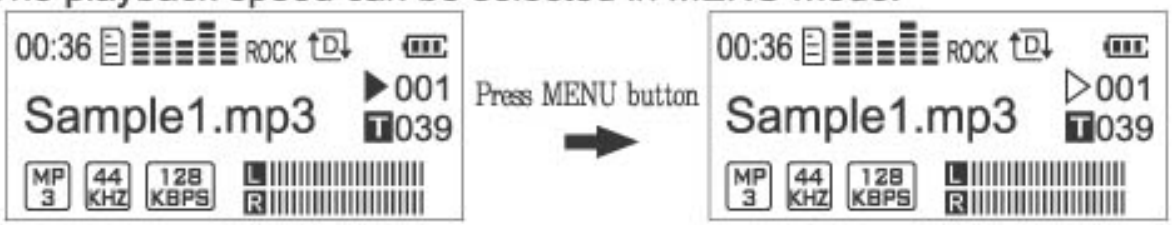
While playing music files, Press REC/STOP button for over 2 seconds.
EQ mode will be changed in below order.
NORMAL -> ROCK -> JAZZ -> CLASSIC -> POP -> USER EQ
You can also select the desired Equalizer in MENU mode.

Change the Playback Speed

When playing music files, press MENU button. 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 MENU mode.



Setting up Loop Repeating

1. While playing music files, 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 loop is played repeatedly.

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

INTRO Playback

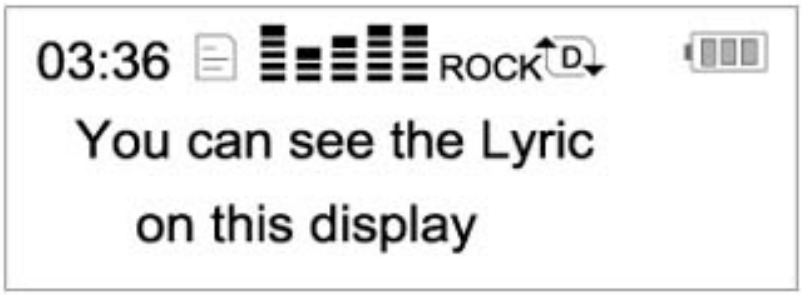
You can set the INTRO playback in MENU mode.

Each file is played for 10 seconds.

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

Lyric Display (Media Sync)

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



Function & Structure of MENU

You can enter the MENU mode by pressing MENU button when STOP state

If you press MEMU button in each MENU mode, you can select SUB MENU section.

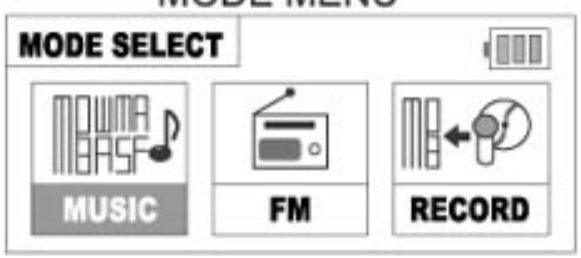
To Confirm the MENU setting, press MENU button once more.

MAIN MENU

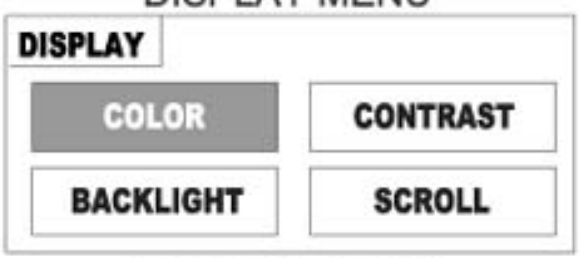
Press MENU button

SUB MENU

MODE MENU

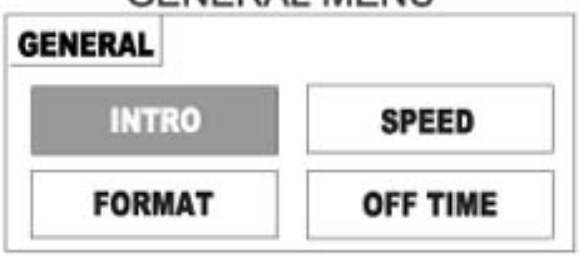


DISPLAY MENU



SETTING MENU

GENERAL MENU

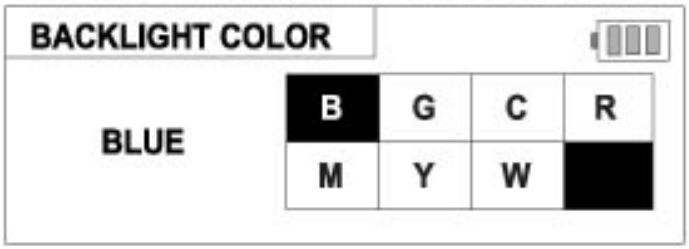


MODE MENU: You can select MUSIC, FM RADIO, RECORD mode by using FF/REW and MENU button.

DISPLAY MENU: You can select LED COLOR, LCD CONTRAST, BACKLIGHT TIME, and SCROLL SPEED.

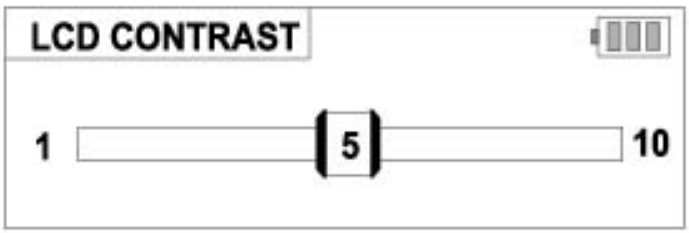
COLOR : Setting up LED Backlight COLOR

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



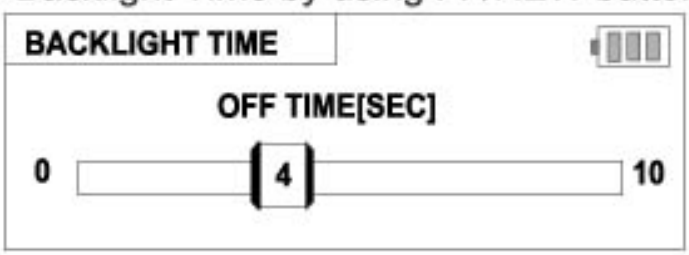
CONTRAST : Setting up LCD CONTRAST

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



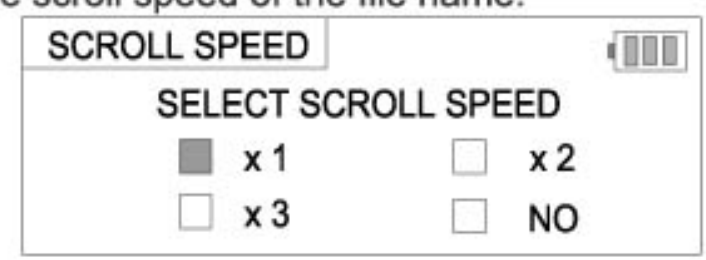
BACKLIGHT : Setting up LED BACKLIGHT TIME

Select the Backlight Time by using FF/REW button.



SCROLL : Setting up SCROLL SPEED

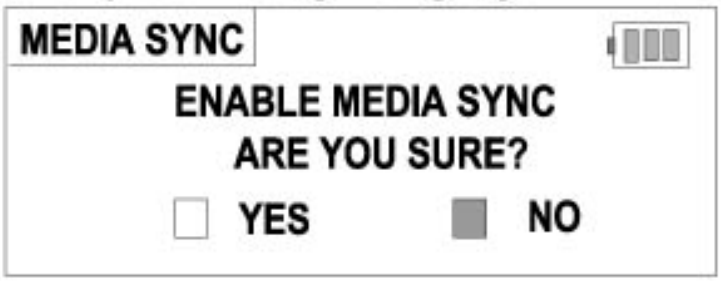
Select the scroll speed of the file name.



SETTING MENU: You can select MEDIA SYNC function, REPEAT, Equalizer, and USER EQ setting.

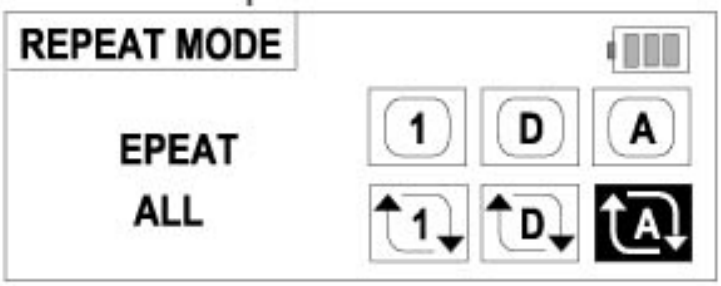
MEDIA : Setting up MEDIA SYNC function

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



REPEAT : Setting up Repeat Mode

You can select desired Repeat Mode.



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.

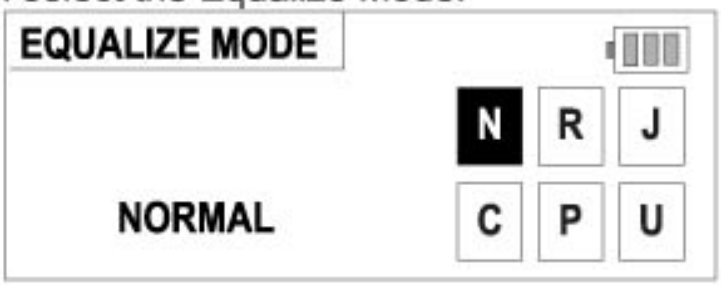
1 :Play a single track repeatedly.

D :Play all tracks in the folder repeatedly.

A :Play all tracks in the unit repeatedly.

EQUALIZER : Setting up EQUALIZE Mode

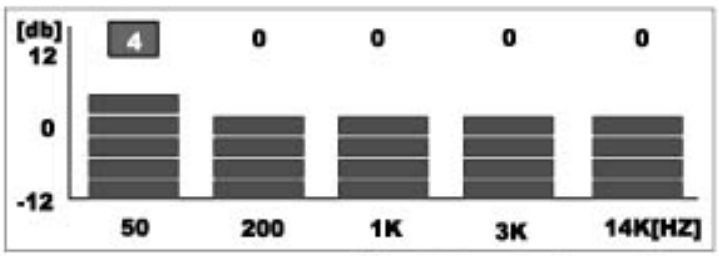
You can select the Equalize Mode.



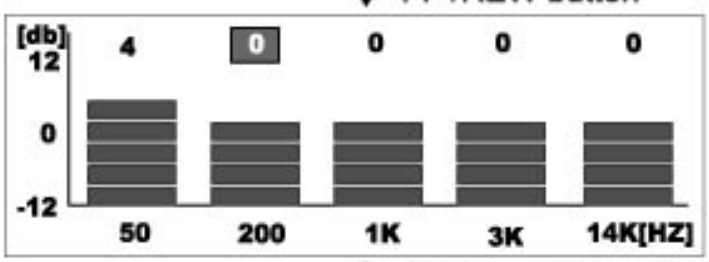
USER EQ: Setting up USER EQUALIZE

You can set the User Equalize.

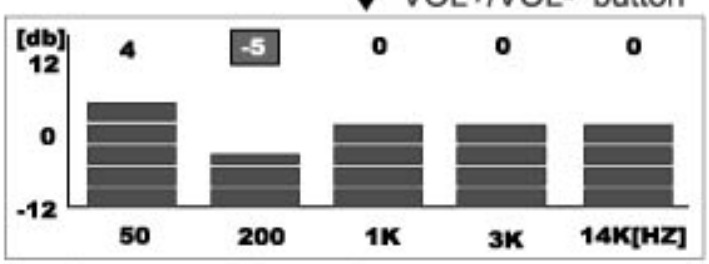
Select the Band you want to adjust by using FF/REW button. In the selected Band,the level can be adjusted by using VOL+/VOL- button.



Select the band by using FF /REW button



Adjust the value by using VOL+/VOL- button



To confirm the USER EQ setting, press MENU button.

GENERAL: You can select INTRO PLAY, PLAYBACK SPEED, FORMAT, and POWER OFF TIME MENU.

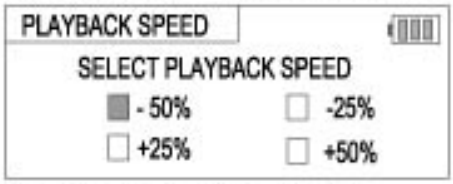
INTRO PLAY : Setting up INTRO PLAY

Select "Yes" and press MENU button, and each file is played for 10 seconds.

PLAYBACK SPEED : Setting up Playback Speed

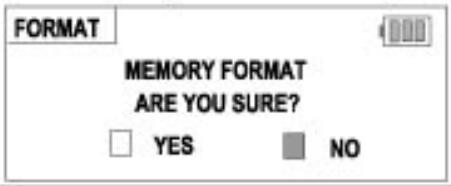
You can select the playback speed.

'+' means the fast playback and '-' means the slow playback.



FORMAT : Initialize the built-in Memory

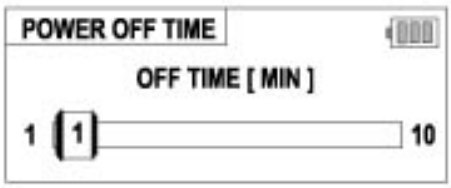
Select 'YES', the built-in memory is formatting.



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

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.



NAVIGATION MODE

Press the MENU button for over 2 seconds in STOP state, and enter the NATIGATION mode.

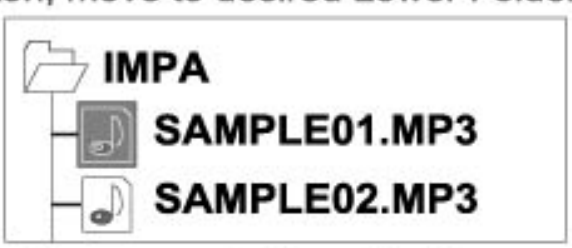
Select Folder or File

Select using VOL+/VOL- button. A selected file displayed by black icon.

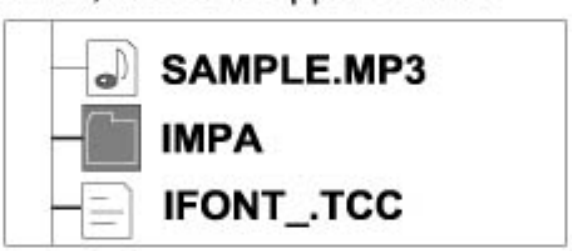
Move to Upper/Lower Folder

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 Music file

Playback music file if you select music file and press FF button.

Displayed by icon, except for music files.

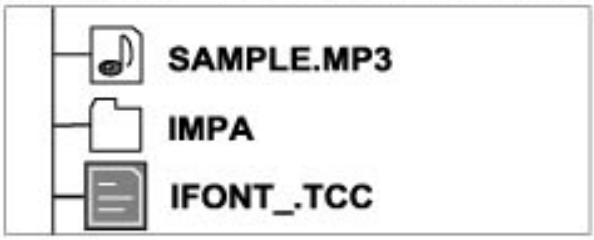
Deleting a file

Select file and press REC/STOP button.

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

FONT UPGRADE

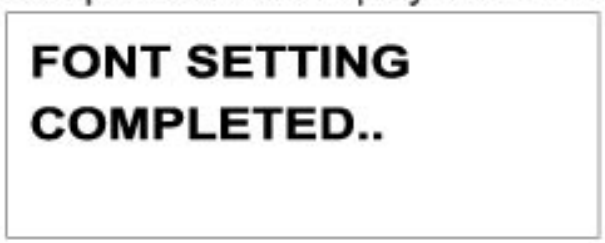
1. Select the "IFONT_.TCC" file in NAVIGATION mode.



2. Press the FF button.

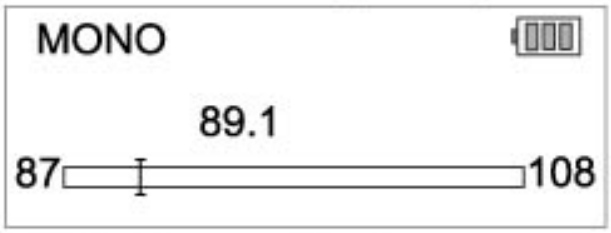
3. Select YES and press the MENU button.

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

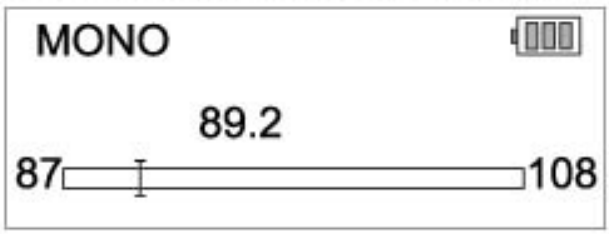


Listening FM (87.0MHz~108.0MHz)

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



Press briefly FF/REW button, and the frequency changes by 0.1MHz.

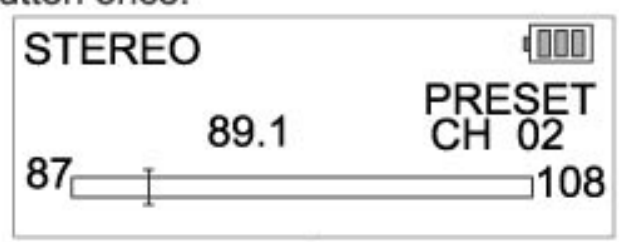


- AUTO SCAN Function: Press FF/REW button for over 2 seconds, and channel is selected automatically.
- You can select the STEREO/MONO by using PLAY/STOP button.

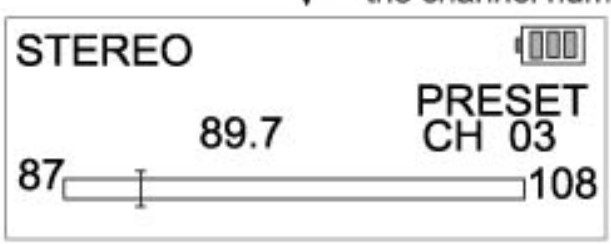
[NOTE] AUTO SCAN may not work within weak transmission area.

PRESET function (Listening saved channel)

Press MENU button once.

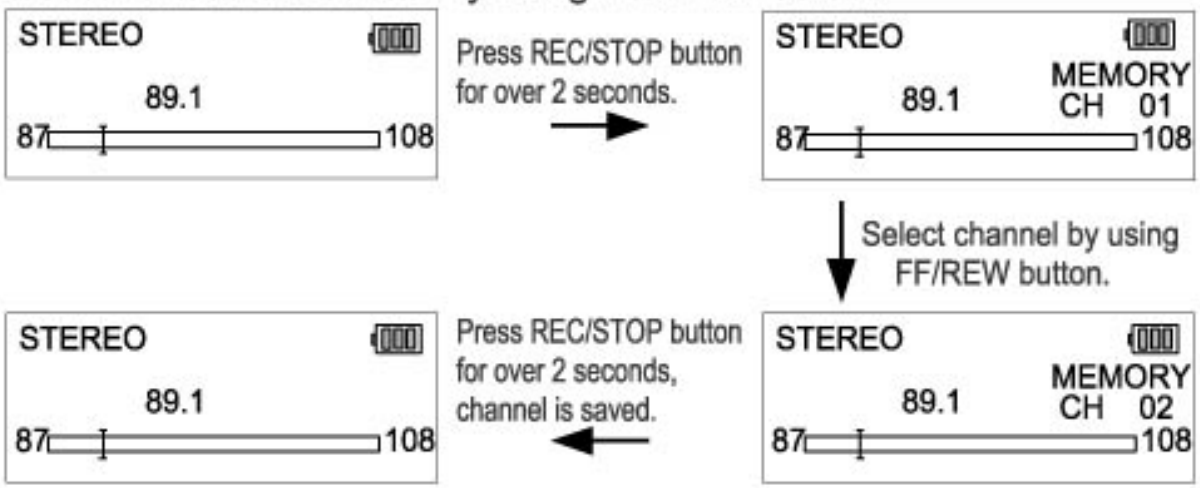


Press FF/REW button, and the channel number is changed.



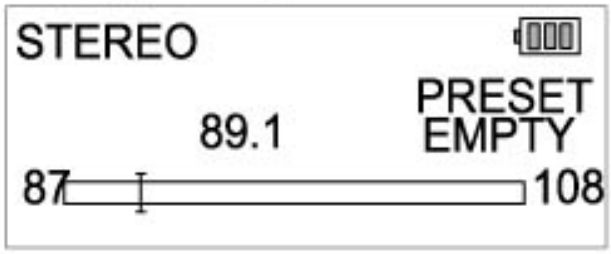
MEMORY Function (Save channels)

Select channel to be saved by using FF/REW button .

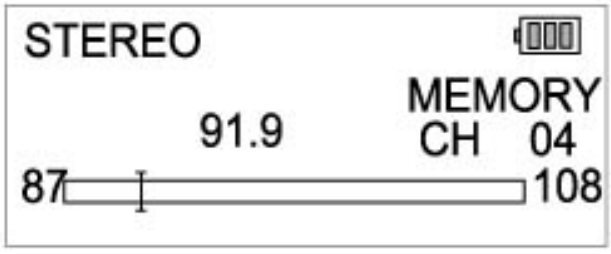


AUTO MEMORY Function (Save channels Automatically)

Enter the preset mode by pressing MENU button.



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

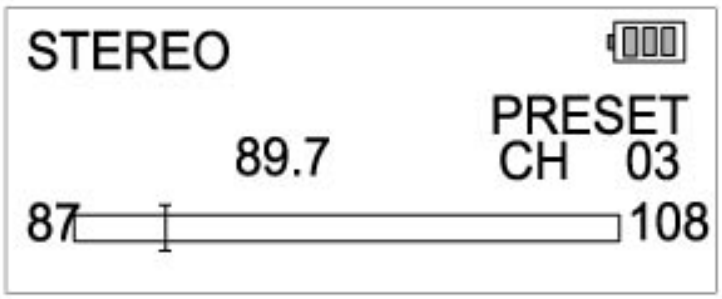


[NOTE] If you use AUTO MEMORY function, All saved channels will be deleted.

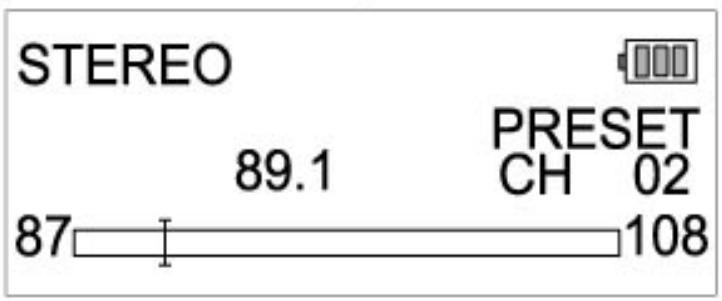
[NOTE] AUTO MEMORY may not work within weak transmission area.

MEMORY Delete Function (Delete saved channel)

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

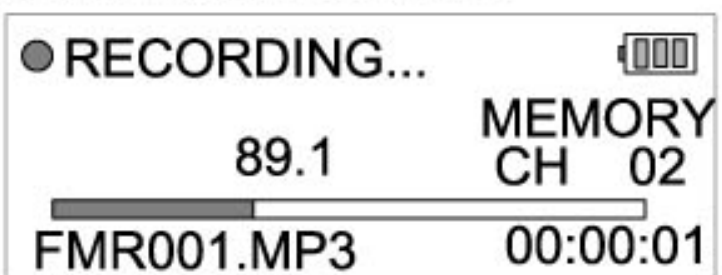


Press REC/STOP button for over 2 seconds



To record FM

Press the REC/STOP button during FM mode.
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.

RECORDER

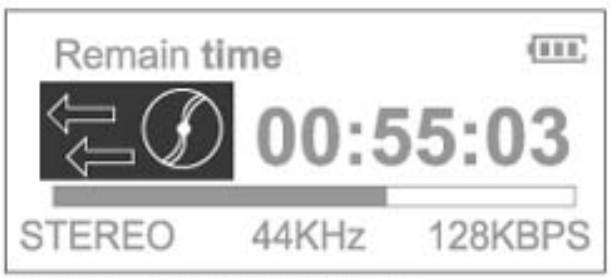
Change the MUSIC or FM MODE by pressing MENU button for over 2 seconds.

Setting the Recording Mode

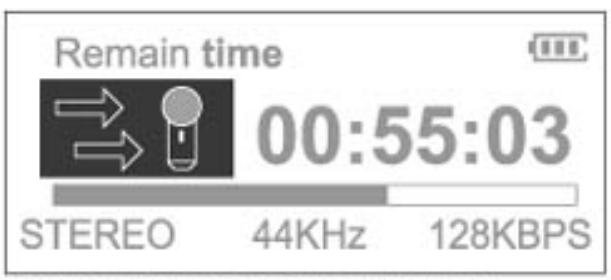
By pressing MENU button, you can enter the Record setting mode.
By pressing VOL+/VOL- button can move each setting mode.
Press MENU button again, Record setting is completed.

Selecting the MP3 ENCODING/VOICE RECORDING MODE

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



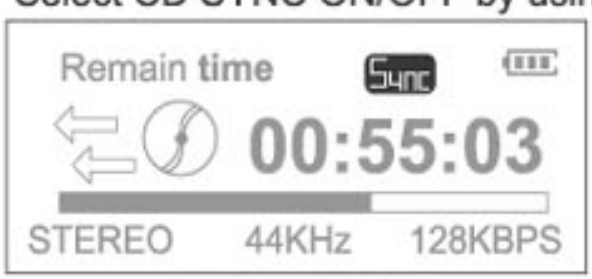
MP3 ENCODING MODE



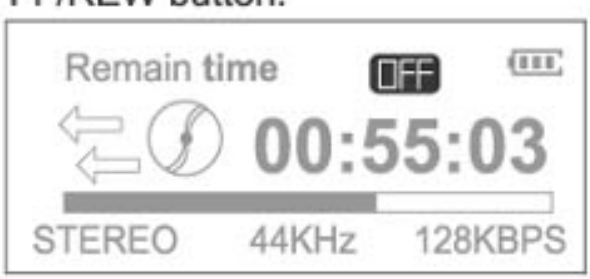
VOICE RECORDING MODE

Setting the CD SYNC : You can use 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.

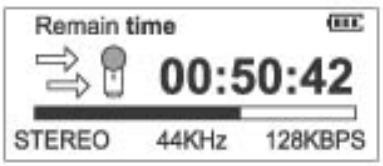
STEREO/MONO	Sampling freq.	Bit Rate
MONO	16 KHz	16 Kbps
MONO	16 KHz	24 Kbps
MONO	16 KHz	32 Kbps
MONO	16 KHz	40 Kbps
STEREO	22 KHz	48 Kbps
STEREO	22 KHz	56 Kbps
STEREO	22 KHz	64 Kbps
STEREO	22 KHz	80 Kbps
STEREO	22 KHz	96 Kbps
STEREO	32 KHz	112 Kbps
STEREO	44.1KHz	128 Kbps
STEREO	44.1KHz	160 Kbps
STEREO	44.1KHz	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 , the file name and the remain time are displayed in lower line.

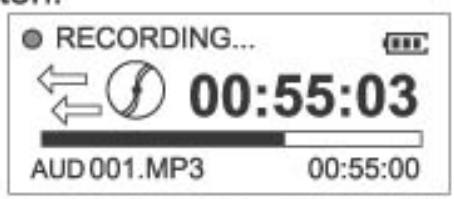
2. To pause Recording, press PLAY/STOP button.
   And press REC/STOP button to resume Recording.

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.
   * Refer to "Setting the Recording Mode"
2. Set the Bit Rate and CD SYNC in the MENU.
3. Press the REC button.



4. Press PLAY/STOP button to pause Encoding.
5. And press REC/STOP button to resume Encoding.
6. Press REC/STOP button, and Encoding is completed.

Test the quality of recording, CD SYNC and audio volume of external equipment 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 from the PC and UPLOAD to the PC

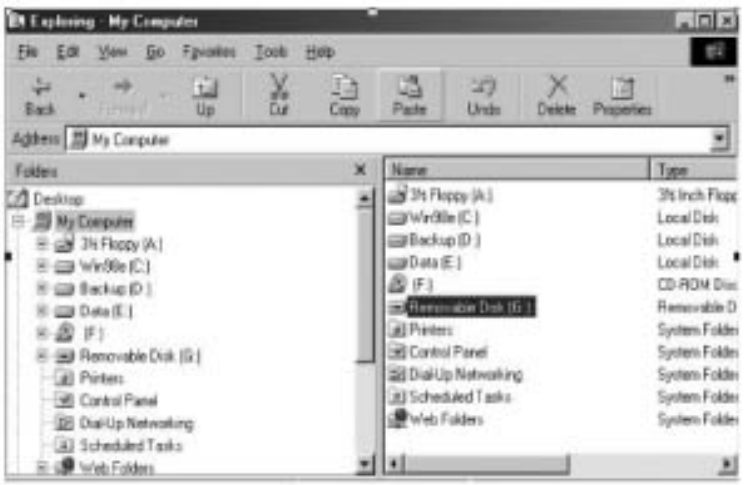
Downloading and Uploading file is not necessary to use special management program.

Because Windows recognize the player as Removable Disk, you can use Windows Explorer.

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.

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 from our Homepage.
You should turn off the player after copy the firmware file to it .
The firmware upgrade is automatically started when the player is turned on again.

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.

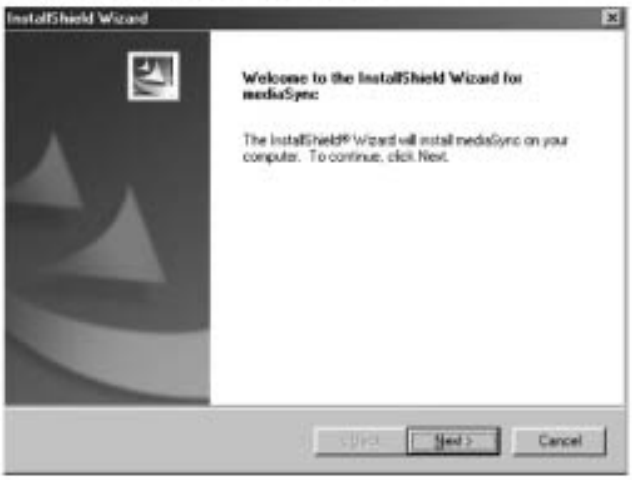
Install Win98 drivers

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.

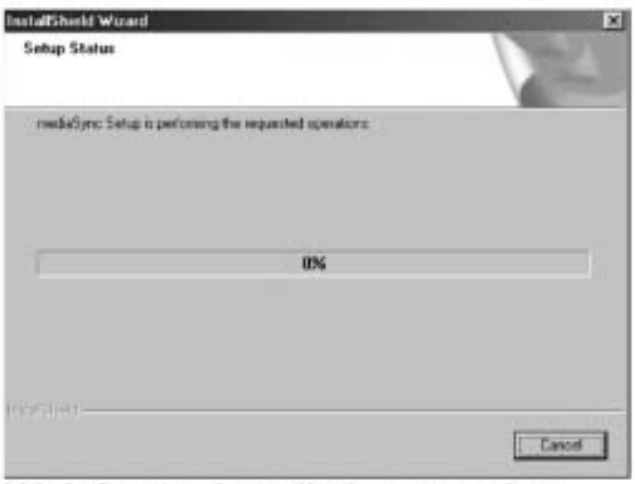
Choose the language.



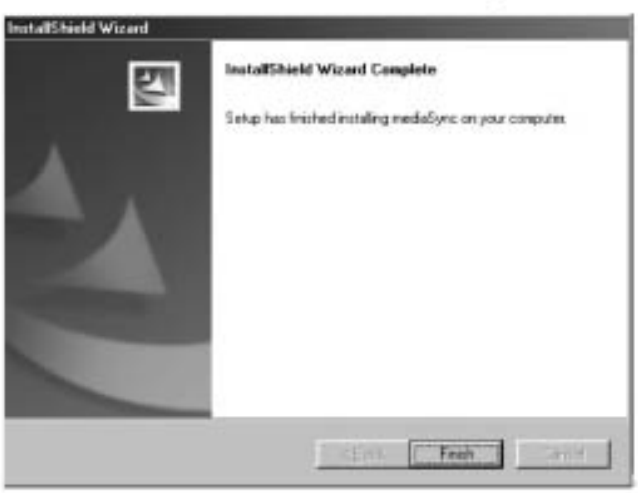
Click NEXT.

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

Click NEXT.



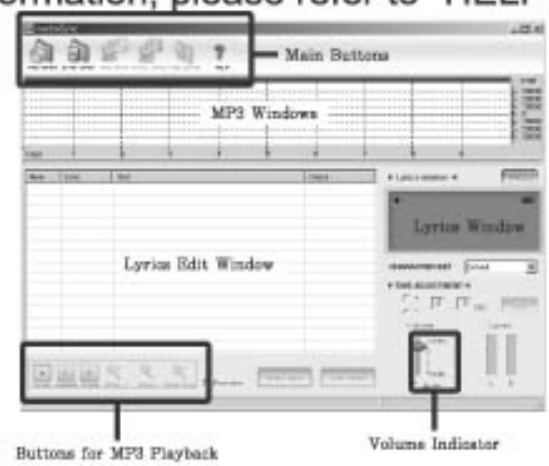
Wait for the installation complete.



Click Finish to complete the installation.

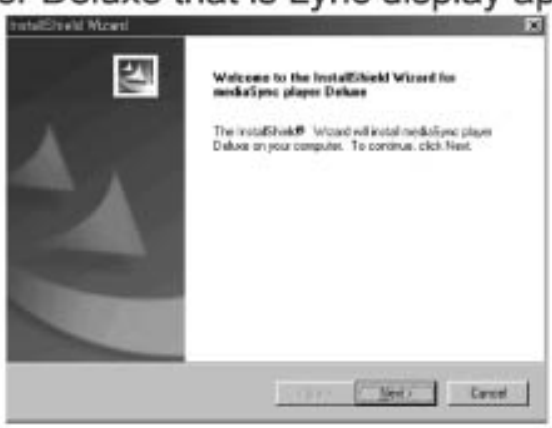
<Media Sync>

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



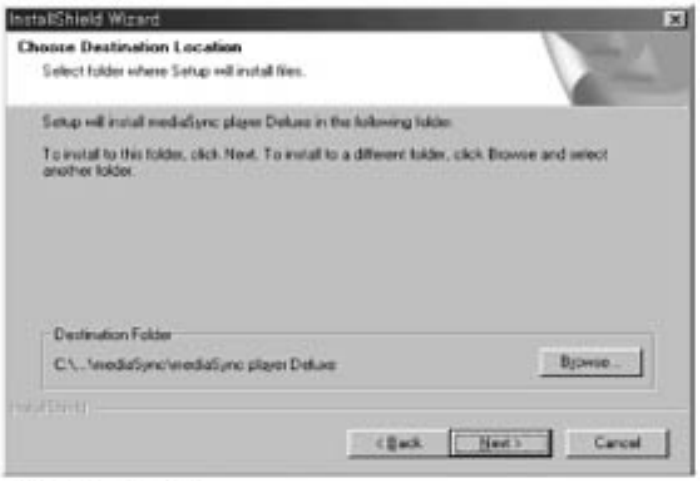
Install Sync Player Deluxe

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.

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

-Uninstalling program

Select again this installation, you can uninstall program.
-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 3 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		101*35*21mm (H*W*D)		
Weight		30g (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 ℃		

FCC Compliance

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE,
AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE
RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE
UNDESIRED OPERATION

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

USER INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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