DIGITAL AUDIO PLAYER

사 용 설 명 서

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EZMAX

http://www.ezmax.co.kr

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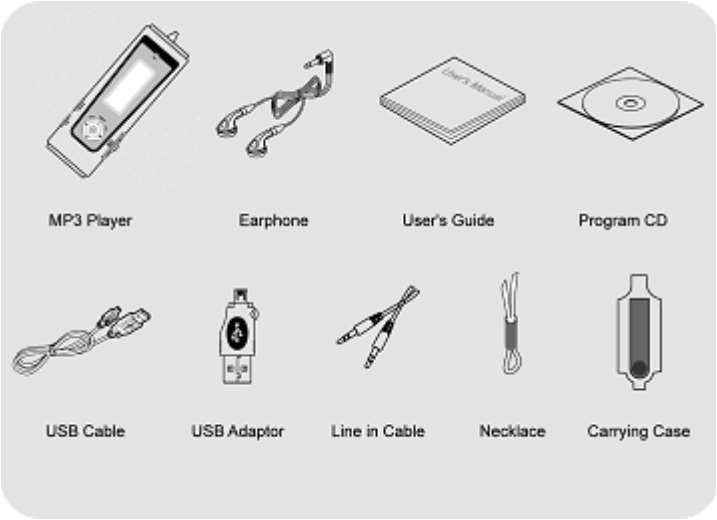
1. Product & Accessories



!NOTE: Accessories are subject to change without prior notice for further improvement of the product performance and quality.

1 2. PC System Requirements

The followings are the basic requirements of the PC to use the MP3 Player. Please carefully read and confirm the requirements.

- Pentium 200MHZ or above
- Windows 98SE / ME / 2000 / XP (Windows 98SE – Install Driver)
- Mac OS 9.0 / 10.0
- USB (Universal Serial Bus) Port
- CD-ROM Drive
- Hard Disc Space 20MB or above (Additional capacity is required to save the music file.)
- 64MB RAM or above

!NOTE: Actually available built-in memory in this player is less than the nominal capacity of the product because the FirmWare uses a part of the capacity to drive the system.

1 3. Safety Precaution

Listening to Music...
The output class of the product guarantees the best possible sound of the mid-size volume. As the high volume for a long time may damage the hearing, listen to music in moderate volume.

Do not exposure to the strong shock or vibration.
Please take good care of handling the product and accessories. Dropping on the floor or giving a shock may result in a serious damage of the product.

Storing the Product...
Avoid storing in the extreme change of temperature, high humidity and the strong magnetic field.

Cleaning the Product...
The chemical may discolor or damage the surface of the player. Use the soft cloth to gently clean the player.

!NOTE: Do not disassemble, repair or reconstruct the product.

1 4. Features of the Product (1)

Multi-Codec Player
Compatible with MP3, WMA and ASF (Audio) formats

FirmWare Upgrading
Upgrade FirmWare to add/change/improve functions and performance of the Player. Always enjoy the music in the latest version of performance.

Voice Recording
The superior sound quality voice recording function allows the clear recording in the conferences and lectures.

FM Radio
Conveniently enjoy the FM radio with a variety of functions such as the manual/automatic frequency search, automatic tune to the radio station, and the station preset.

4. Features of the Product (2)

Easy Navigation
A tree configuration allows the easy search and control.

6 Preset Equalizer
You can produce your own sound quality with the 5-band User EQ and 5 recommend EQs including Normal, Classic, Pop, Rock and Jazz.

Caption the Text of the Song
The text of the song is shown in two lines on the display during the playback.

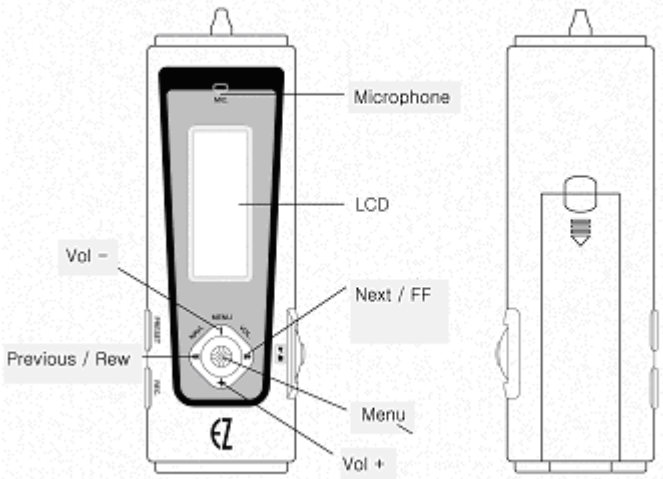
Compatible with the Removable Disk Unit
It is recognized as a removable disk unit if connecting to the PC to upload or download files without Manager program.

Direct Encoding
Use the LINE IN on the player to convert the external sound into the audio file. Also use the FM radio to convert the radio broadcasting into the audio file while listening to the FM radio.

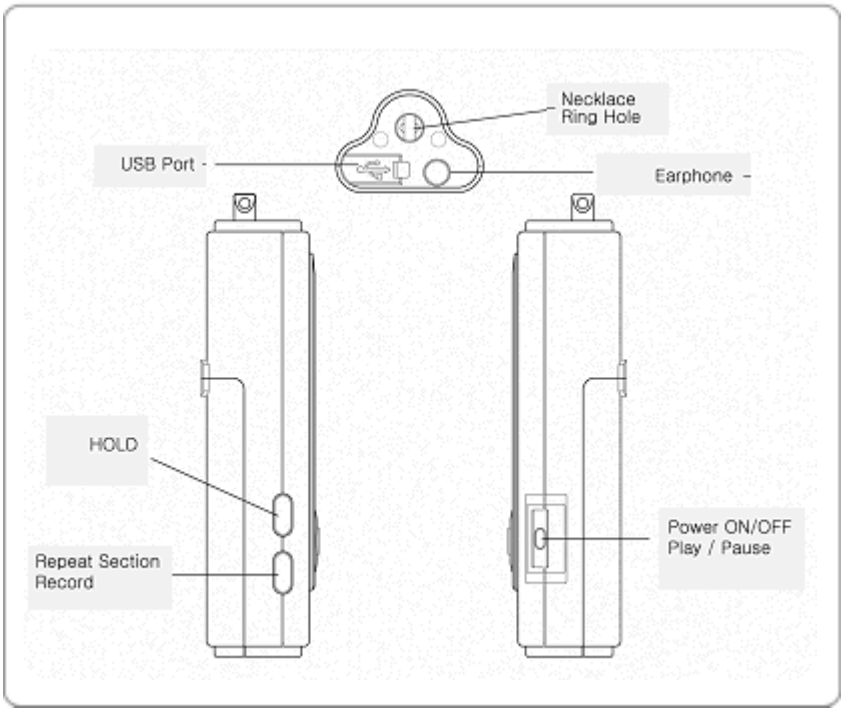
Show My Own Sense of Logo on My Player
User can display the self-created logo on the Player..

2 1. Front / Rear View of the Product

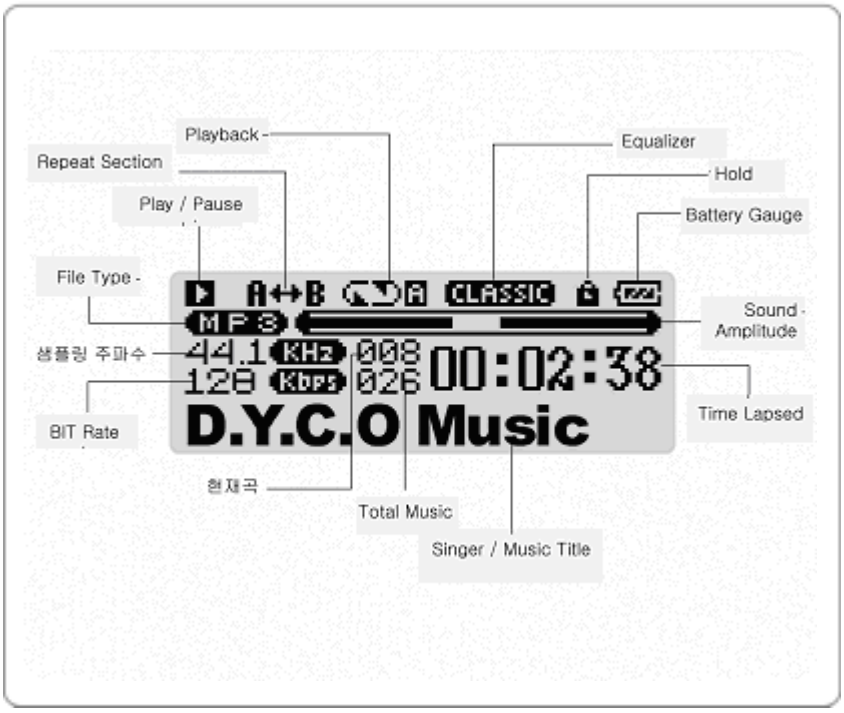
* Surface protective tape is applied on the front display to prevent its scratches.



2. Side View of the Product

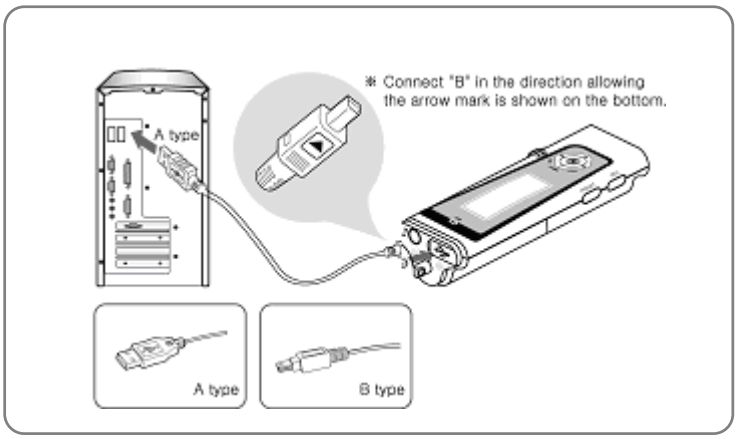


2 3. Functional Icon of Display



3 1. Connecting Player to PC

To download music files (MP3/WMA/ASF) from the PC, use USB cable to connect MP3 Player to the USB port of the PC.
(Make sure to only use the USB cable supplied with the MP3 Player.)



Connect ‘A’ (large) to the USB port of the PC.
Connect ‘B’ (small) to the USB port found when opening USB port plug on the Player.

3 2. Installing USB Driver (1)

Connecting USB cable to the Player displays the following screen in the display(WAIT) on the Player.

Before install drive

➔

After install drive

1. Follow the instruction below for the PC of which OS is one of the Windows ME, Windows 2000 and Windows XP.

A screen appears with a message saying, “New hardware is found” on the PC as shown below. Follow the instruction to install the driver. The installation may automatically be completed without showing the installation screen depending on the PC environment.
An example here is for the **WINDOWS 2000**.

1) A message saying, “Found New Hardware” automatically appears.

3 2. Installing USB Driver (2)

2) The “Found New Hardware Wizard” is automatically started on the PC.
Click ‘Next’.

3) “Hardware Device Driver Installation” will be continued.
Check in “Search for Driver suitable to Device (recommended)” to click “Next”.

3 2. Installing USB Driver (3)

4) Select “Assigned Location” for the optional Search Location, and then click ‘Next’.

5) If “Maker’s File Location to Copy” is C:\Winnt\Inf or C:\Windows\Inf, click ‘OK’. If the file is not in the C:\Winnt\Inf or C:\Windows\Inf, use ‘Browse...’ to select.

3 2. Installing USB Driver (4)

6) You will see “Drive File Search Result”. If then, click “Next”.

7) Click ‘Yes’ to continue the installation of the USB Mass Storage Device.

3 2. Installing USB Driver (5)

8) Click 'Finish' after completing the installation of the USB Mass Storage Device.

9) Click 'Yes' to continue the installation of the disk drive.

3 2. Installing USB Driver (6)

Click [Start] – [Setting] – [Control Panel] to open "System" icon, and then click "Hardware" – "Device Manager" tab to check if USB driver is properly installed.

!Note: The example of installing a driver above applies to a computer which adopts a removable disc for the first time. The specific installing process varies among users' PC environments. In the event of the two devices in Device Administrator or the message "READY" being shown as above, the driver has bee successfully installed. It takes some 30 ~ 60 seconds to install the driver among various PC's.

3 2. Installing USB Driver (7) – win 98SE

2. Windows 98SE can't support a removable storage device. You should install our Win98SE Driver to use under Windows 98.

1) Don't connect the USB cable to the player until the following is completed.
2) Insert the installation CD into the CD-ROM drive, and then execute 'install.bat' or install in the folder Win98SE_Driver to copy the driver file to each folder.
3) Connect the USB cable to the player, and the Add New Hardware Wizard will appear to install the driver.

4) The installation of the driver will be completed as the following dialogue window appears.

3 2. Installing USB Driver (8) – windows 98

Click [Start] – [Setting] – [Control Panel] to open "System" icon, and then click "Hardware" – "Device Manager" tab to check if USB driver is properly installed.

!Note: The example of installing a driver above applies to a computer which adopts a removable disc for the first time. The specific installing process varies among users' PC environments. In the event of the two devices in Device Administrator or the message "READY" being shown as above, the driver has bee successfully installed. It takes some 20 ~ 30 seconds to install the driver among various PC's.

3 2. Installing USB Driver (9) - Confirmation

The installation of the USB driver is followed by connecting the USB cable of PC to the player to execute “My Computer” or “Windows Explorer”, when you can see “Removable Disc” in My Computer or the message “READY” on the display of the player. If then, you can enjoy the player. If not, you should check Device Manager; in case you can’t see **“EZMAX EZMP-2100 USB Device"** in Disc Drive of Device Manager and **“USB Mass Storage Device”** of USB Controller(except for Windows 98SE), or in case there appears a yellow exclamation mark(!) or “Unknown Device”, the driver hasn’t been normally installed. You should re-install it.

When re-installing the driver, delete the mark(!) or “Unknown Device” with the player connected to the USB cable. And then repeat “USB Driver Installing”. When it doesn’t work normally In spite of that, you can refer to our website or contact us.

3. Running Basic Functions (1)

As the PC recognizes the Player as a removable disk, you can easily download(& upload) or delete the music files(& folder) in the Windows Explorer without Manager program.

1. Copy File(Download)
   1) Connecting the USB cable to the Player allows the Player to be recognized as a removable disk in the Windows Explorer.
   2) Select the removable disk to access to the memory area of the Player.
   3) Run one more Windows Explorer.

   4) Select the file you want to save, and then:
      ① Drag & drop to the removable disk.
      ② Or click right mouse button to select Copy, and select the removable disk, and then click right mouse button to select Paste

3. Running Basic Functions (2)

5) The file is copied to the removable disk, showing a graphic of the file transfer.

2. Export File(Upload)
   1) Connecting the USB cable to the Player allows the Player to be recognized as a removable disk in the Windows Explorer.
   2) Select the removable disk to access to the memory area of the Player.
   3) Run one more Windows Explorer.
   4) Select the file you want to export from the removable disk, and then:
      ① Drag & drop to the disk to which you want to export.
      ② Or click right mouse button to select Copy, and select a folder to which you want to export, and then click right mouse button to select Paste.
3. You can add or delete a folder in the Windows Explorer.

When downloading a music file to the player, you wait for its displayer to show the following message READY. If you remove the USB cable in the process of downloading, the file might not normally work. You should check the display(READY) to remove the USB cable.

READY

DOWNLOAD

UPLOAD

3. Running Basic Functions (3)

4. Format Player

1) Formatting in the Windows

① Select the removable disk, and then click right mouse button to select Format (FAT).

② Click Start.

※ Please note that the formatting will irrecoverably remove all contents of the Player.

2) Formatting in the Player

This Player is compatible with two types of formatting: FORMAT and LOW FORMAT. The general FORMAT is the same as the Windows formatting, while the LOW FORMAT removes all setting data such as the font and logo as well as the data stored in the Player. The setting data will automatically be initialized by the factory default values after formatting so that you need to newly define a font and logo.

① Lengthily press MENU button.

② Select DELETE menu.

③ Press FORMAT for the general formatting while LOW FORMAT for the low formatting.

※ We recommend that you do not use the LOW FORMAT other than the special occasion.

4. Installing Logo Editor & Applying Logo to Player (1)

◎ This program helps you design and use the logo that first appears when the player is turned on. When you are to change it, you should use the program to download the final logo file to the player.

I. Installing Logo Editor Program

1. Insert Installation CD into the CD-ROM drive.
2. Execut **install.exe** in the Logo_Editor directory.
3. Click Next in **Logo Editor Setup Wizard**. (Figure 1)
4. Designate the directory to install the program at in **Select Destination Directory.** (Figure 2)
5. Click Next in **Select Start Menu Folder.** (Figure 3)
6. Click Next in **Select Additional Tasks**. (Figure 4)
7. Click Install in **Ready to Install**. (Figure 5)
8. Click Finish in **Completing the Logo Editor Setup Wizard**. (Figure 6)

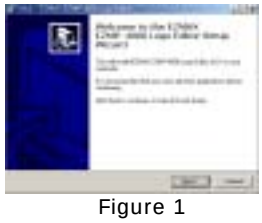


Figure 1

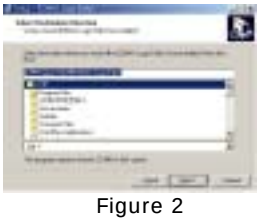


Figure 2

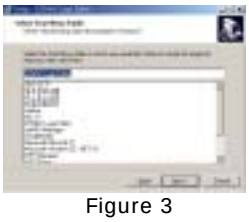


Figure 3

4. Installing Logo Editor & Applying Logo to Player (2)

Figure 4

Figure 5

Figure 6

II. Editing Logo

1. Setting up the logo file frame to edit.

① Select File → New File. (Figure 1)

② Input the frame of the logo to edit in the "Frame Setting-up" window to click "OK".(Figure 2) (The number of the frames that can be set up is at its maximum of 60 frames, in which the size of pixel per frame(132x48) can't be arbitrarily changed.)

③ The capacity which can accommodate the number of the frames appears.

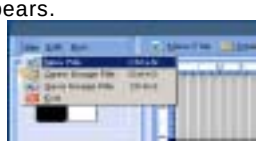


Figure 1

Figure 2

4. Installing Logo Editor & Applying Logo to Player (3)

2. Editing Logo
Use "Tool" in the left of the Editor to design your own logo.

3. Opening Image File/Storing Image File
- Opening Image File
You can import the bitmap file(.bmp) to edit, and then download it to the player.
- Storing Image File
If you store into the disc the current logo file you're working on, you can import it later to work on it again.

4. Sending Logo File to the Player
The procedure in which the has-been-edited logo file is sent to the player is as follows:

① Connect the player to the USB cable connected to the PC.
② Step on Execute → **Send Logo File to Player.**
③ There appears "Logo File Download" as shown in Figure 1. After selecting the same removable disc as the player to click "OK".
④ If the window Sending Completed as shown in Figure 2 appears, the edited logo file has been successfully sent to the player.
⑤ While the file is being sent to the player, there appears the message " **DOWNLOAD** " on the display.
If the player is in the status of "**DOWNLOAD**" after the PC has shown the message of Sending Completed, the file is still being sent to it. The time the file has been sent to the player is when there appears "**READY**" on the display.

4. Installing Logo Editor & Applying Logo to Player (4)

⑥ If you turn the player on and then off with its USB cable disconnected, a new logo will be applied to the display.

Figure 1

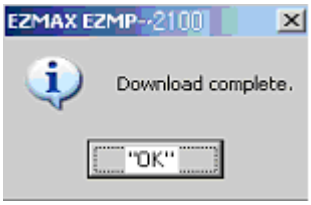
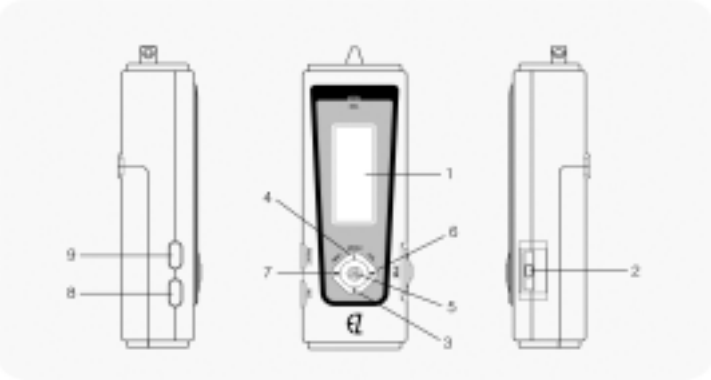


Figure 2

4 1. Basic Operation (1)



1) **Display**
- Displays the operating status of the product.

2) **PLAY**
- Lengthily press to turn the power ON.
- When listening to the music or the recorded file, briefly press to pause the music, and then briefly press again to resume the music.
- When listening to the FM radio broadcasting, briefly press to save the current station to the PRESET.
- In any mode, lengthily press to turn the power OFF.

1. Basic Operation (2)

3) **VOL +**
- Adjustable in 0-20 steps. Press once at a time to increase the volume step by step. Keep pressing to increase the volume at a rapid rate.
- For the first 3 seconds, it increases by 2 times as many as its previous speed. And thereafter, it does by 3 times.

4) **VOL -**
- Press once at a time to reduce the volume step by step. Keep pressing to reduce the volume at a rapid rate.
- For the first 3 seconds, it decreases by 2 times as many as its previous speed. And thereafter, it does by 3 times.

5) **MENU**
- Briefly press to open MODE menu.
- Lengthily press (approx. two seconds) to open FUNCTION menu.
- In the MENU, briefly press to set the currently selected menu while lengthily press to exit from the menu.
- In the menu screen that requires the selection, briefly press to select the item.

6) ⏭
- When listening to the music or the recorded file, briefly press to move to the next music while keep pressing to fast move within the current playback file.
- In the MENU screen, briefly press to move to the next menu item.
- When listening to the FM radio, briefly press to move to the next frequency while keep pressing to automatically search the next station. In the PRESET mode, briefly press to move to the next PRESET number.

1. Basic Operation (3)

7) ⏮
- When listening to the music or the recorded file, briefly press to move to the previous music while keep pressing to fast move within the current playback file.
- In the MENU screen, briefly press to move to the previous menu item.
- When listening to the FM radio, briefly press to move to the previous frequency while keep pressing to automatically search the previous station. In the PRESET mode, briefly press to move to the next PRESET number.

8) **A<-->B / REC**
- During the playback, briefly press to specify the section 'A' and again briefly press to specify the section 'B' for the Repeat Section. And then again briefly press to cancel the Repeat Section.
- When listening to the FM radio, lengthily press to record the radio station.
- If the FM radio is not on and the LINE is connected, lengthily press to record through the LINE. If the LINE is not connected, press two seconds to record voice.

9) **PRESET**

2. Power ON / OFF

Power ON

Briefly press PLAY button to turn the power ON and show the logo in the display in which the version, total memory and the available memory of the Player appear shortly after.

Power OFF

Lengthily press PLAY button to turn the power OFF while disappearing the logo.

4 3. Play Music (1)

◎ The ways the player plays the stored music files include **TOTAL PLAY, NAVIGATION PLAY** and **BOOKMARK PLAY.**
Push the MENU shortly to move to the mode menu.

TOTAL PLAY

NAVIGATION

Push the MENU button in the NAVIGATION menu shortly to choose between NAVIGATION PLAY and BOOKMARK PLAY.

(1) TOTAL PLAY
- Push the MENU button shortly to change MODE MENU to TOTAL PLAY.
- TOTAL PLAY plays all pieces of music stored in the memory.

(2) NAVIGATION PLAY
- Push the MENU button shortly to change MODE MENU to NAVIGATION.
- Push the MENU button again to select NAVIGATION PLAY, and you will see all the folders and the files.

3. Play Music (2)

- Use the FF/REW button to locate on the folder or file you want to play.
- Push the PLAY button to play the folder.

(3) BOOKMARK PLAY

- Push the MENU button shortly to change MODE to NAVIGATION.
- Use the FF button to move to BOOKMARK PLAY.
- Push the MENU button to move to BOOKMARK.
- Only the file set at BOOKMARK is played.

◎ How to Set File BOOKMARK

- Use the **FF/REW** button in the **NAVIGATION PLAY** of the **NAVIGATION** menu status to move a file to which **BOOKMARK** is applied.
- Shortly push the **REC** button once to set **BOOKMARK**, in which an icon of **BOOKMARK** is shown on the left side. Push it again to release **BOOKMARK**.
- You can store up to 20 **BOOKMARK**s. If they are above 20, a newly set **BOOKMARK** replaces the previously 20th one.

4. Record Voice & Play

(1) When recording voice

- Push the REC button long when the music is being played, and a vocal recording will be applied.
- The recorded file is stored in such formats as V001.MP3 or V002.MP3 in the VOICE folder.

(2) When stopping recording voice

- Push the REC button long when the voice is being recorded, a vocal recording stops to transfer to the MUSIC PLAY mode.

(3) When listening to a vocally recorded file (VOICE RECRORDING PLAY)

- Push the MENU button shortly to move an applicable mode, and then use the FF/REW button to change RECORD PLAY to VOICE PLAY.

4 5. FM Listening, Record & Play (1)

(1) When listening to FM Radio

- Push the MENU button shortly to move to an applicable mode, and then select FM RADIO LISTENING.
- If you push the FF/REW button shortly when listening to FM Radio, you can move to the next/previous frequency and long button, you can search for the next/previous broadcast program. (Auto Search)

- PRESET Setting-up
  If you push the PLAY button shortly when listening to FM Radio, you can store at PRESET the broadcast program you're listening to(You can store its current frequency at an applicable number you move to after pushing the button shortly.).

*** PRESET MODE**: This is the function in which you can find out your preferable frequency that has bee previously stored in the memory.

- If you push the PRESET button shortly when listening to FM Radio, the player transfers to FM PRESET, and If you push it shortly in the PRESET mode, the player transfers to FM Radio.
- If you push the FF/REW button in the PRESET mode, the player moves to the next/previous PRESET number to load the stored freq.
- If you push the FF/REW button lengthily in the PRESET mode, the player search all stations and save them to the PRESET memory.

5. FM Listening, Record & Play (2)

(2) When recording FM Radio

- Push the REC button long when listening to FM Radio, the current broadcast program is recorded.
- The recorded file is stored in such formats as F001.MP3 or F002.MP3 in the RADIO folder.

(3) When stopping recording FM Radio

- Push the REC button long when the program is being recorded, the recording stops to transfer to the FM Radio mode.

(4) When listening to the recorded broadcast program (BROADCAST RECORDING PLAY)

- Push the MENU button shortly to move to an applicable mode, and then use the FF/REW button to change RECORD PLAY to RADIO ENC. FILE PLAY.

6. Record from External Source & Play

(1) When recording from an external source

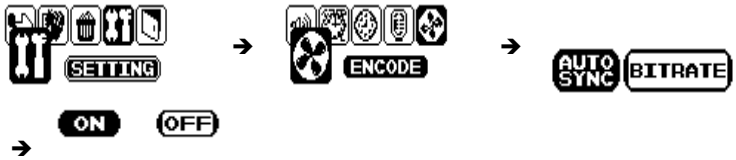
- Connect the player to the source from which you record as shown in the following:

- Push the MENU button long to move to the function menu.

- Bit Rate Setting: Use the FF/REW button to step on SETTING→ ENCODE→ BITRATE, and then finally choose among 48/96/128/192kbps.

6. Record from External Source & Play

- **Auto Sync. Setting**: Push the MENUS button again long to move to the function menu, and then use the FF/REW button to step on SETTING→ ENCODE→ AUTO SYNC. Finally choose among ON/OFF.



- **LINE Setting(MULTI-EARPHONE)** : Select Line in the SETTING→ MULTI EARPHONE.

Stand-by Line-in Enc.

6. Record from External Source & Play

- If you push the REC button long when the external source connected to the player plays a piece of music you want to record, you can record it.
- The recorded file is stored in such formats as L001.MP3 or L002.MP3 in the LINE folder.

(2) When stopping recording from an external source

- If you push the REC button when the player is recording from the source, it stopped to transfer to its previous mode.

* When you record from a home audio set, you have to separately purchase the LINE IN cable since it doesn't fit. In the status where the LINE IN cable isn't connected, the recording isn't supported.

(3) Listening to the file recorded from the external source

(Ext. RECORDING PLAY)

- Push the MENU button shortly to move an applicable mode, and then use the FF/REW button to step on RECORD PLAY → LINE ENC. FILE PLAY.

5 Function Menu

◎ Lengthily press MENU button to open FUNCTION menu.
Each menu has sub-menus. In the sub-menu, press MENU button for lengthily to move to the previous menu.
The configuration of the functional menu is as follows :

5 1. PLAYBACK

◎ A function to select the playback mode

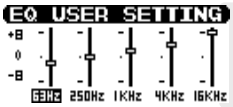
	Playing all pieces once in order.
	Playing the first ten seconds of each piece in order for all pieces in the memory.
	Repeating one piece.
	Repeating all pieces in order.
	Repeating all pieces in no order.

5 2. EQUALIZER

◎ A function to select the sound adjustment mode during the playback Each menu has sub-menus. In the sub-menu, lengthily press MENU button to move to the higher menu.

◎ Press MENU button for two seconds to open FUNCTION menu. Use ⏮ ⏭ button to select EQUALIZER, and then select one of six menus above.

◎ In the USER menu, you can adjust the sound in 8 steps for each frequency within 5 frequency ranges.



Use ⏮ ⏭ button to move on the horizontal axis, while use VOL- and VOL+ button to move on the vertical axis.

◎ The selected item is shown in the Main Menu screen.

5 3. DELETE

◎ This is a function where a file within a memory is deleted.
Note that, once it has been deleted, you can't recover it.

Delete a file or a folder which is selected.
- Use the FF/REW button to move to a folder or a file you want to delete.
- Push the PLAY button shortly.
- Use the FF/REW button to change NO to YES.
- Push the MENU button shortly to delete.

Cancel BOOKMARK function of the files.
- Use the MENU button shortly to execute "BOOKMARK".
- Use the FF/REW button to change NO to YES.
- Push the MENU button shortly to cancel BOOKMARK.

You can delete all the files in the player.
- Use the MENU button shortly to execute "FORMAT".
- Use the FF/REW button to change NO to YES.
- Push the MENU button shortly to format.

5 3. DELETE

You can delete all the files including the fond and logo used in the player. When they are deleted, download them again. You'd better use this function, only if necessary.

- Push the MENU button shortly to execute "LOW LEVEL FORMAT".
- Use the FF/REW button to change NO to YES.
- Push the MENU button shortly to begin formatting.

* How to Download the Font

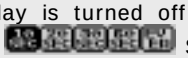
1. Connect the player to the PC.
2. Download the font file to the player.
3. Separate the player from the PC, and there will appear the window FONT UPGRADE WRITE. The completion of upgrading will show an initial status.

5 4. SETTING (1)

(1) Scrolling Speed

Adjust the speed of scrolling the file name or the ID3 TAG information during the playback. Use ⏮ ⏭ button to adjust the speed in 10 steps, and then use MENU button to select. The higher the step is, the faster the speed is.

(2) DISPLAY Time

Select the time the display is turned off after pushing the final button.  Select one of the pictures. If you are to do EVER, always turn the display on.

(3) CONTRAST

Adjust the brightness (contrast) of the Display. Use ⏮ ⏭ button to adjust the brightness in 10 steps, and then use MENU button to select. The higher the step is, the brighter the contrast is.

4. SETTING (2)

(4) DEFAULT VOLUME

You can adjust the volume with this setting. If the volume at which the player was set is larger than the one set currently, the booting will begin as the set default volume. If not so, the volume set last will be applied.
You can properly adjust the volume wit the ⏮ ⏭ button , and select with the MENU button.

(5) DUAL EARPHONE

You can simultaneously enjoy music with 2 set of earphones. In the case of setting the DUAL MODE, insert the other set of earphone in the LINE-IN jack.
When listening to FA radio, the Dual Phone function isn't supported.

(6) POWER OFF TIME

This is to set up the function where, If you don't push a button with a specified period when the player is set at Pause, the time in which the play is automatically turned off is set up.

4. SETTING (3)

(7) SLEEP TIME

This is a function where the player is automatically turned after it is played for a specified period. Using the ⏮ ⏭ button, you can set the time which you want, and then confirm that with the menu button.

(8) VOICE REC. BIT RATE

You can adjust the bit rate when recording voice.
If you set it low, you can record for a long time while the quality of sound comes to be low, and vice versa.

(9) ENCODE

This is a function where you can set the bit rate and Auto Sync On/Off when recording form an external source.

4. SETTING (4)

Automatically sorting all pieces externally inputted to record in a separate file.

Recording all pieces externally inputted in a file until STOP button is pressed.

Adjusting the bit rate of the voice recording file according to your need (longer hours or higher sound quality). Low bit rate reduces the file volume but lowers the sound quality while high bit rate improves the sound quality but increases the file volume to shorten the recording time.

Select one of 48, 96, 128 and 192kbps.

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(10) FM BAND

Select one of the KOREA-USA BAND, EUROPE – CHINESE BAND and JAPAN BAND to set the frequency range of the FM radio station.

(11) LANGUAGE

Select the local language of the country.

(12) DEFAULT

You can initialize all set values with the factory default values.

6 UPGRADE (1)

1. FIRMWARE Upgrade

◎ You can upgrade the FirmWare to add/change the function and improve the performance of the Player. The FirmWare is an OS to drive the Player. How to upgrade FirmWare is as follows:

More than two scales of the battery gauge shall be available before upgrading the FirmWare.

Replace the battery less than two scales of the battery gauge before upgrading.

(1) Confirm the FirmWare version (V2100 1.00) of the Player, which appears on the display as shown below when turning the power ON.

V2100 1.00
TOTAL:128MB
FREE:028MB

In this example, **V2100** indicates the model name and **1.00** indicates the FirmWare version (Ex. 1.01, 1.02, etc.).

(2) Visit the company website (www.ezmax.co.kr) to check if there is an upgraded version available for the Player (Model No. EZMP-2100). If yes, download and save in the disk.
Please note that upgrading the FirmWare with a version for the different model No. causes a serious failure.

(3) Use the USB cable to connect the Player with the PC, and open a Windows Explorer to access to the “Removable disk”.

7 UPGRADE (2)

(4) Copy the downloaded firmware file to the removable disc.
(The way of UPGRADE is the same as the music file is downloaded. Only when there appears the message "**READY**" on the display after downloading, the downloading has been normally completed.)

(5) If separating the player from the PC, there appears the following on the display to upgrade the firmware.
Don't turn the player off during the upgrading.

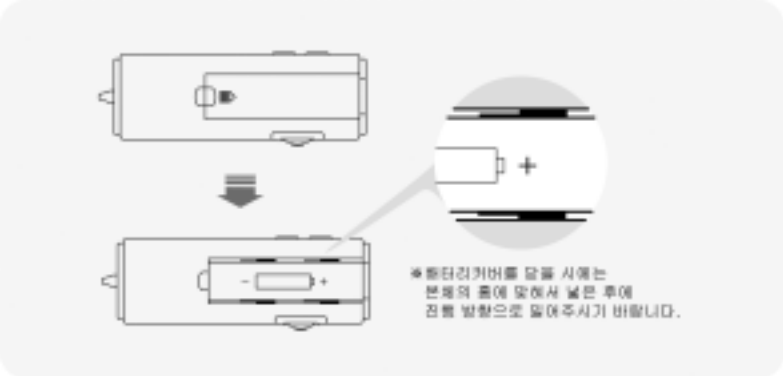
2. FONT UPGRADE

◎ Font refers to format letters in which below the name of a recording file, **ID3 TAG** information or a text of music is shown below the display when the music or the recording file is played.
If you can't see a letter below the display or you have worked on LOW LEVEL FORMAT, you should upgrade the fond file.

- Use the USB cable to connect the player to the PC, and then open the Windows Explorer to move to "**Removable Disc"**.
- Copy to the Removable Disc the **ez21font.ezf** file in the FONT folder of the installation CD.
  Separate the player from the PC, when there will appear the message "FONT UPGRADING" on the display for font upgrading.

7 1. About Battery

(1) How to Insert Battery



!NOTE: Make sure the polarity (+ and -) of the battery is correctly inserted.

(2) Battery Gauge

Full Gauge Mid Gauge Low Gauge Zero Gauge

2. Trouble Shooting (1)

◎ If the product fails, please first check the followings.

Power is not turning on.

· Check if the battery is properly inserted with correct polarity.
· Battery may be dead. Replace the battery.

Unrecognizable characters are shown in the display.

· Check if the language is properly set in the LANGUAGE menu.

Radio station makes noise "boooo~" or "Ssaaaa~" and the reception is bad.

· Change the direction of the Player and earphone.
Please turn the power of the electric appliances OFF near the Player. If the noise is reduced, use the Player away from the electric appliances.
· As an earphone plays the role of an antenna when listening to the radio station, no earphone may cause the poor reception.

2. Trouble Shooting (2)

No sound or noise is heard during the playback.

- Check if the music file is stored in the memory.
- Check if earphone is properly plugged in.
  Or check if its terminal is contaminated by the foreign substance.
- Check if the volume is set to “0”.
- Damaged data makes noise or breaks off the sound in the MP3 and WMA files. Replace it with other file to check if the data is damaged.

Cannot download files.

- Check if the USB cable is properly connected between the Player and PC.
- Check if the USB driver is properly installed.
- Check if the memory is sufficient.

Buttons are locked.

- Check if is on HOLD.

7 3. Product Specification

Memory		Built-in Memory 128MB/256MB/512MB
DISPLAY		132x48, 7 Color LCD
MP3 Encoding		MPEG 1/2/2.5 Layer3
Compatible File Format		MPEG 1/2/2.5 Layer3, WMA, ASF (Audio only)
Compatible File Bit Rate		8 Kbps ~ 320 Kbps (WMA/ASF: 32 ~ 192 Kbps)
Audio	Frequency	20 Hz ~ 20 KHz
	Headphone Output	6.5 mW + 6.5 mW (16 ohm)
	S/N Ratio	> 85 dB
FM Radio	FM Frequency	87.5 MHz ~ 108 MHz 76.0MHz ~ 108MHz(JAPAN)
	Headphone Output	5 mW + 5 mW (16 ohm)
	S/N Ratio	> 55 dB
	Antenna	Earphone Antenna
Language		Multi-Language
USB		USB 1.1(5 Mbps)
Maximum Playback Time		Approx. 13 hours (Company standard)
Distortion Rate		< 0.1%
Size		28.0(W) x 83.0(L) x 19.5(H) mm
Battery		AAA size x 1
Weight		24.5g (w/o battery)

* The specification and exterior of the product are subject to change without prior notice for further improvement of the performance.

4. FCC Compliance Statements

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 technician for help.

Warning : Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

NOTE: This unit was tested with shielded cables on the peripheral device . Shield cables must be used with the unit to insure compliance.