

Safety Guidelines

- Cautions
- Safety instructions

Accessories

Characteristics

Battery / USB Cable / Cigar-jack

- How to use rechargeable battery or dry battery for power source
- Icon indicating battery
- How to use a charger (option)
- Cigar-jack (option)
- Icon indicating battery
- Use of USB cable /Cigar-jack
- Cautions in using battery

Designations

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- Image viewer	
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- How to input simple song text (auto search)	
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Cautions

Do not drop or apply excessive pressure to the player!! It causes the trouble.

Do not place in following places:

- Extreme temperature (60°C)
- Extreme dust
- Direct sun light or near heat sources
- Extreme moisture like bathroom
- Closed car (in particular summer)

Extreme pressure to LCD causes breakdown of device. It doesn't function normally.

Printed expressions can be erased by long use or other reasons (extreme pressure or abrasion)

Pay attention that necklace may hang on chink in the door or elevator.

Use of long-time armband may cause the troubles in blood circulation.

Do not use the device near any appliances, cash card and transportation card that generates a strong magnetic field. It causes their dysfunction.

Do not try to disassemble and repair the device yourself.

Remove immediately batteries when the device generates heat or smokes.

Avoid the use of device in the restricted area of electronic machine (airplane)

Do not throw against men.

When using the battery, do not try to disassemble it, to heat or to put in heating source.

- Leakage of electrolyte such as alkali solution may cause harm to eyes or explosion.
- When contacting with alkali solutions to skin or clothing, wash them out immediately and then consult doctor.

Keep the device out of reach of children. Do not let children hold the small device and accessories to the mouth or use it carelessly. The device is processed with the paint that may be harmful to human body. Avoid holding it to the mouth.

* Please be advised that the company doesn't assume the responsibility for the claims or the indemnification from the third parties in using the device.

Components

Accessories consist of basic and optional components.

Basic components

Pndv



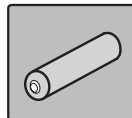
Earphone



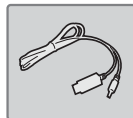
Necklace



Battery



USB cable



CD



line-in cable

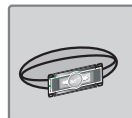


User manual

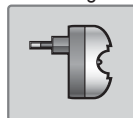


Optional components

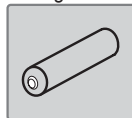
Arm band



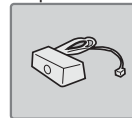
Charger



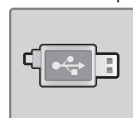
Rechargeable battery



Telephone recorder



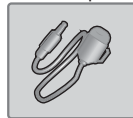
MINI USB adapter



Cigar-jack adapter



Pin microphone



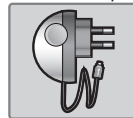
Case



Mobile phone recorder



AC/DC adapter



- **MP3/WMA/ASF file support**
It plays MPEG 1/2/2/5 layer 2/3, WMA and ASF files.
- **OGG (OGG Vorbis) file support**
It plays OGG vorbis files
- **Direct encoding**
It makes direct encoding as MP3 or WMA file by connection external CD player or audio to line-in terminal without computer.
- **Caption display**
While playing MP3/WMA file, it displays text data in LCD by use of media sync for learning songs, foreign language and study. Caption function supports two languages. (Master / Slave caption)
- **Adjustment of play speed**
You can adjust play speed during play and use section repetition for learning foreign language.
- **Text view support**
All text files are displayed in LCD. You can verify conveniently simple documents and important data.
- **Multi-language function support**
It supports multi language when setting ID3 Tag Language or language in menu. Korean, English, Chinese and Japanese are supported.
- **Navigation during play**
It navigates MP3 file during play and displays file information. When selecting file during navigation, the selected file is played.
- **Unlimited folder creation**
It creates necessary folders for independently and conveniently saving (by artist, album and genre).
- **Play list function**
You can select the desired songs in every time.

- **Bookmark**
You can replay the selected language, recorded and classic file in indicated location by bookmark function.
- **Equalizer**
By use of 5-band equalizer (rock, classic, jazz, pop and normal) and 2-band user equalizer, you can enjoy freely desired music tone.
- **3-dimensional sound effect**
It realizes 3-dimensional sound effect with SRS of surround function, TRUE Base of bass and FOCUS of clearness.
- **Movie play**
It plays movie and music movie files such as AVI/ASF/MNV.
- **Pause screen**
It displays images in JPEG/BMP/GIF files. You can customize to make your logo file by use these files.
- **64,000 color TFT graphic LCD**
It realizes 65,000 natural colors by adoption of TIF LCD (128x160) for movie play and pause screen.
- **FM Radio function**
It receives FM frequency in every place of world and with preset function, you can save 20 radio stations conveniently.
- **Big-capacity mobile disk support**
PC recognizes connected mobile disk by plug & play mode and you can move, create and copy files.
- **USB Host (ver 1.1) (to be supported)**
- **Firmware upgrade function**
It realizes regular and continuous upgrade of firmware for enhancement and reinforcement of performance.

How to use rechargeable battery or dry battery for power source



1. Push battery in direction of arrow and remove battery cover by raising it.

- Never fail to change battery when device is off.
- Verify exactly the polarity (+ -)
- Remove battery from device during non-use for long time.



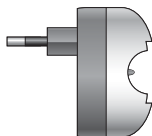
2. Insert dry battery of A4 type into proper polarities (+.-) and close battery cover.

Icon indicating battery



How to use a Charger (option)

- Charger (option) may be different from image for improvement of performance or others.



● Cigar-jack (option)

When using cigar-jack for power source, select USB power as figure 10-1, connect cigar-jack to USB cable jack and then connect it to cigar-jack.

- Cigar-jack connection cable may be different from image for improvement of performance or others.
- For USB power selection, see page 11.



(Fig 10-1)

Icon indicating battery

Volume 13 screen brightness when testing durability of battery

Battery		Voice recording	Movie play	Voice play	MP3 play	FM radio
A4 Alkaline	Battery (2300mA)	6.5h	6h	7.5h	6.5h	9.5h
	Dry battery (2300mA)	7.5h	7h	7.5h	7.5h	10.5h

● Use of USB cable / Cigar-jack

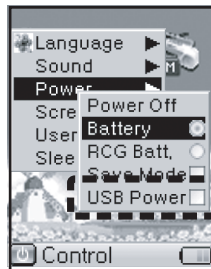


(Figure 11-1)

When connection to power by USB jack, select USB power in control panel menu as figure 11-1 and connect cable as figure 11-2.



(Figure 11-2)

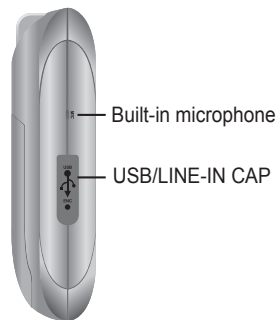
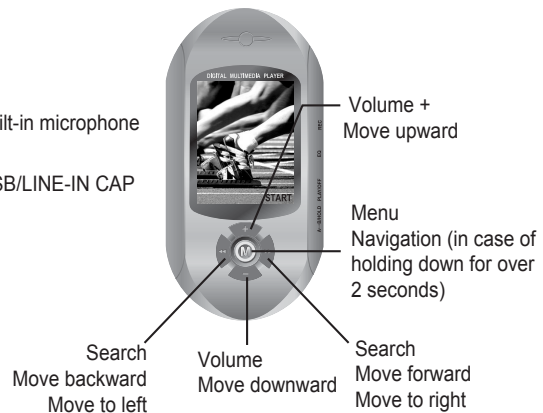
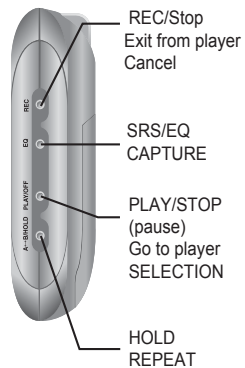
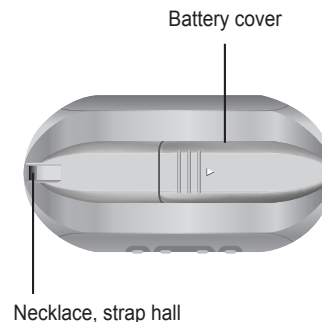


(Figure 11-3)

When using device as external hard, deselect USB power in menu as figure 11-3.

● Cautions in using battery

- When battery is consumed and in low voltage, "Low Batt" is displayed in LCD. When it maintains for over 5 seconds, the power is off.
- Durability of battery is different according to sound volume or play mode.
- For effective maintenance of durability, select auto power off.
- When not using device, keep HOLD switch ON to avoid erred consumption.
- When contacting electrolyte to skin or clothing, wash out with clear water. If necessary, consult a doctor.
- When contacting electrolyte to eyes, don't rub eyes and wash immediately with clear waters and then consult a doctor.
- Charging time takes about 1.5 hours after discharge of rechargeable battery (option)
- Charger (option) is available with 220V.
- Keep charger (option) out of reach of children.
- Do not disassemble the charger (option)
- Do not try to charge rechargeable battery for more than prescribed hours due to risk of fire. After charging, remove charger from plug.
- Do not use unaccepted battery.

- Left side**- Front****- Right side****- Up Side****- Back side****- Down Side**


The product will be subject to modification due to performance improvement or design problem.


● Menu setup



(Figure 15-1)


In Main screen / music player / control panel / FM radio


When button () is held down shortly, menu window display as figure 15-1.

Hold down button () long in Music player, and then it moves to Navigation.



(Figure 15-2)

When holding down menu button, () is displayed in right edge of menu (dotted line in figure 15-2)

When holding down () direction, screen displays sub menu as figure 15-3.



(Figure 15-3)

● Start/ Exit




(Figure 16-1)

Hold down button (**Play/Hold**) long.
Main window and start music begin as figure 16-1.



(Figure 16-2)

Hold down button () in above screen (figure 16-2).

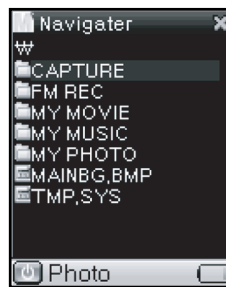


(Figure 16-3)

Move to Close M-pal and hold down button (**Play/Hold**).
Or you can exit by holding down button (**Play/Hold**) for over 3 seconds in all windows.

● Navigation menu

When moving to Navigation mode from main screen, music player, image viewer or movie player, you can delete or arrange files by Navigation menu.



(Figure 17-1)

In main screen/ music player/ image viewer / movie player
Hold down button (M) long.
And then move to Navigator window.



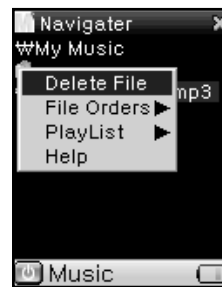
(Figure 17-2)

To delete files in Navigator window,
Hold down Button (A↔B /HOLD) and the color of selected one is changed to red in dotted part as Figure 17-2..
Then, hold down button (REC) long and the screen of figure 17-3 displays.



(Figure 17-3)

To delete the selected file or folder, select "Yes" by pressing button (◀◀)
After then, hold down button (PLAY/OFF) and the selected file is deleted.
When selecting the deletion of all files, hold down button (A↔B / HOLD). If so, you can select or deselect all.



(Figure 18-1)

When pressing button (M) once again, the screen of figure 18-1 displays.

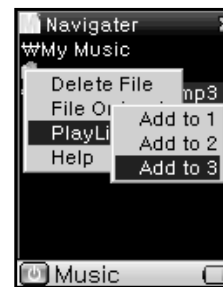
Navigator menu has commands of file deletion, file arrangement and play list.

The menu of file deletion of figure 18-1 works in the same way of page 17.



(Figure 18-2)

File arrangement menu of figure 18-2 works in order of file name, extension, size and random.



(Figure 18-3)

● Main window



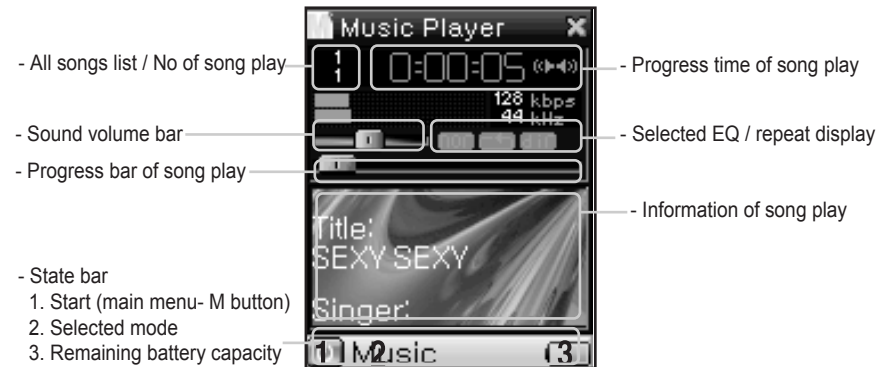
Main icon

1. Music (music player)
2. Photo (image viewer)
3. FM (radio)
4. Game (downloaded game)
5. Movie (movie player)
6. Control panel (device control)

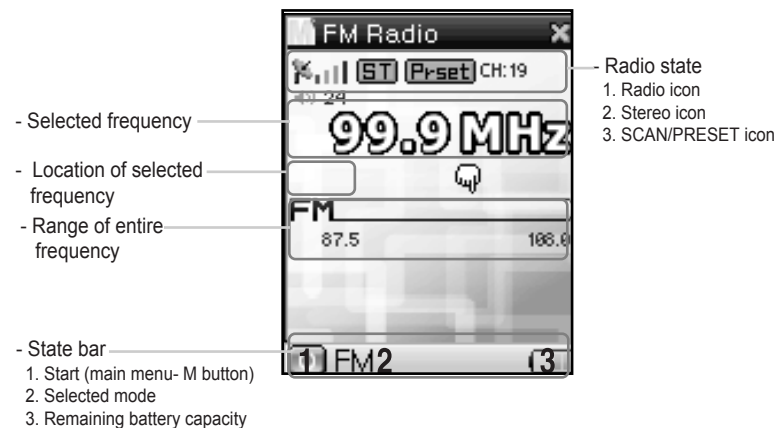
State bar

1. Start (main menu ? M button)
2. Selected mode
3. USB mode (only when connected)
4. Remaining battery capacity

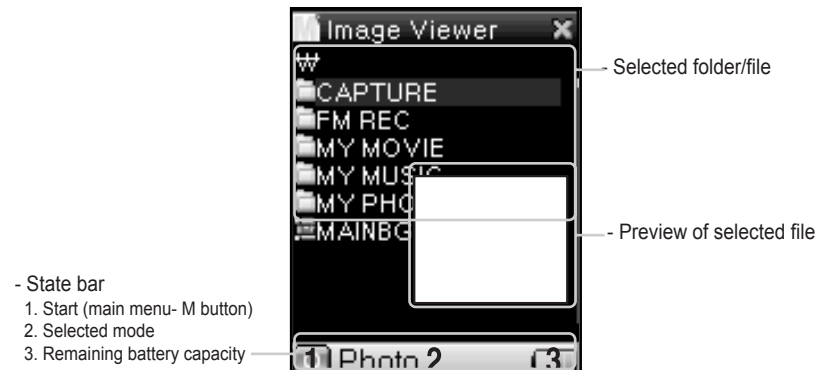
● Music player window



● FM radio window



● Image view window



● Music player

Music player plays MPEG 1/2/2.5 Layer 2/3, WMA, ASF and OGG files.
Save music files in MY MUSIC.



(Figure 23-1)

In START screen (figure 23-1), move to music player icon

And then press button (PLAY/OFF) and music player window displays as figure 19-2.



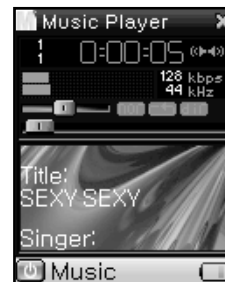
(Figure 23-2)

To play music, press button (PLAY/OFF).



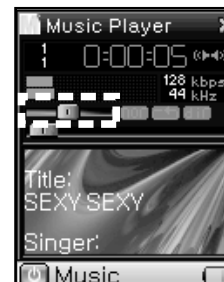
(Figure 23-3)

To move next or previous music, press button (◀◀) or button (▶▶).



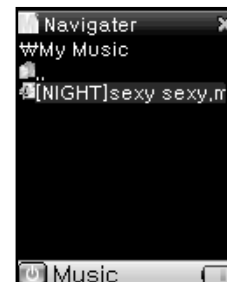
(Figure 24-1)

To repeat selected section, press button (A ↔B/HOLD) in starting and ending points.



(Figure 24-2)

To adjust sound volume, press button (+) or (-).



(Figure 24-3)

To execute Navigation during play, hold down button (Ⓜ) long. Navigator window as Figure 24-3 is displayed. Select file and press button (PLAY/OFF).



(Figure 25-1)
To execute music player, press button (M) shortly.
Menu window of figure 25-1 is displayed.



(Figure 25-2)
Recording starts music play by holding down button (REC).
To stop recording, repress button (REC).

Music player menu in next page ►

● Music player menu

1. Navigator

It searches another or desired files during play.

2. Equalizer selection

- No use
- SRS WOW
- Rock
- Jazz
- Classic
- POP
- USER1
- USER2

Select desired equalizing effect for your taste..

3. Repeat

- Selected file
- Selected folder
- All folders
- Repeat
- SHUFFLE
- INTRO

Selected file:
currently selected file

Selected folder:
currently selected folder

All folders: all folders in device

Repeat: continuous repetition of selected file or folder

SHUFFLE:
continuous play of selected file or folder at random

INTRO: play of initial party of selected file or folder

4. Play speed

- 75%
- 85%
- 90%
- Normal
- 105%
- 105%
- 105%
- 110%
- 115%
- 125%

You can select play speed (slower or faster).

5. Caption setting

- Action
- Master
- Slave

When setting action, equalizer spectrum is displayed.
When setting master and slave, the song text is displayed.

9. VOR setting

Recording functions only when sound exists.
It can save memory capacity.

6. Recording quality

- WAV 44k m
- WAV 44k s
- Mp3 192ks

You can set recording file in selecting its quality.

7. Recording volume

You can adjuster sound volume of line-in microphone during recording.

10. Sync

- Sync one
- Sync all
- Sync off

For recording one item, you can select Sync one.
For recording several music, select Sync all music respectively..
Function of Sync Off is to record all music as one unit.

8. Input selection

- Microphone
- Line-in input

You can record by use of built-in microphone or audio cable.

11. Sleep mode

You can select playing time to 180 minutes by 1minute unit during sleeping by using this mode.

12. Text view

You can verify text file during listening to music.

13. Image viewer

You can verify image file during listening to music.

14. Other setting

15. Help

You can consult Help for better use.

16. Close

You close menu window.

● SRS WOW setting

SRS WOW setting allows you to listen to music with better quality.



(Figure 29-1)
Press button (M) shortly in music player screen and move to music player menu window as Figure 29-1.



(Figure 29-2)
In menu, press button (-) and move to equalizing effect. And then press button (▶▶) and sub menu of Figure 29-3 is displayed



(Figure 29-3)
In sub menu, use button (-) and move to WOW SRS. And then press button (PLAY/OFF) and equalizing control window is displayed.



(SRS) is trademark of SRS Lab, Inc.

SRS WOW technology is under license of SRS Lab, Inc.



(Figure 30-1)
After selecting equalizing effect by button (EQ),

press button (REC) and you can exit from menu. When exiting from menu, music player window displays SRS indication as Figure 30-2 and you use SRS WOW effect.



(Figure 30-2)
When pressing button (EQ) in music player, equalizing effect is changed in order.

● Image viewer

You can view images in JPEG/BMP/GIF file. Save image files in MY PHOTO> Captured files are saved in CAPTURE folder.



(Figure 31-1)
In Start screen, move to Image viewer icon. And then press button (PLAY/OFF) and Image viewer window of figure 31-2 is displayed.



(Figure 31-2)
In image viewer, move to photo file and you can preview small image as figure 31-2. When pressing button (PLAY/OFF) in this case, you can preview large image as figure 31-3. For next image, press button (-) or button (+).



(Figure 31-3)
After verification with big image, press button (REC) and return to step of figure 31-2. To return to main screen, press button (REC)



(Figure 32-1)
When press button (M) in image viewer, main menu is displayed. To consecutively play big images, check time in figure 32-1 and select START>



(Figure 32-2)
To set the image as background of main menu, select an image and press button (M) and press button (PLAY/OFF) in main menu.



((Figure 32-3)
File deletion is the same way in navigation.

● FM Radio

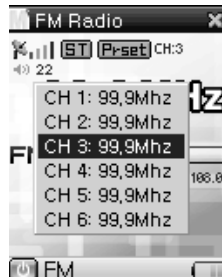
It consists of SCAN/PRESET mode. Preset mode saves 20 channels.



(Figure 33-1)
Move to FM Radio icon in Start menu and press button (PLAY/OFF). FM Radio window of figure 33-2 is displayed



(Figure 33-2)
To move frequency during radio play in SCAN mode, Use button (◀) or (▶). For volume adjustment, use button (+) or (-). To convert to PRESET mode, press button (EQ).



(Figure 33-3)
To move channel during radio play in PRESET mode, Press button (M) as figure 33-3 or press button (◀) or (▶). Whenever pressing button (), move the saved channel.



(Figure 34-1)
When pressing button (M) during radio play in SCAN mode, FM Radio window of figure 34-1 is displayed



(Figure 34-2)
To exit current screen, press button (REC).



(Figure 34-3)
When holding down () long during radio play, recording begins as figure 34-3. To stop recording, press button (REC) again.

- Recorded file is saved in FM REC folder.

● Menu

1. Navigator

2. Save channel

You can save selected frequency to desired channel.

3. Auto selection

When setting as AUTO SELECTION, 20 channels are automatically saved.

4. FM nation

- Korea, USA
- Japan

5. FM area

- Seoul, Kyunggi
- Incheon
- Kangwon
- Choongnam
- Daejeon
- Choonbuk
- Daegu, Kyungbuk
- Busan, Kyungnam
- Jeonnam, Kwangju
- Jeonbuk
- Jeju

6. Sleep mode

You can select playing time to 180 minutes by 1minute unit during sleeping by using this mode.

7. Recording mode

- 64 Kbps
- 128 Kbps
You can setup recording file in indicating quality.

● Game

Games are changes by upgrade.



(Figure 36-1)
This game is pre-installed in device.
The figure 36-1 shows the screen of HEXA game.

● Movie player

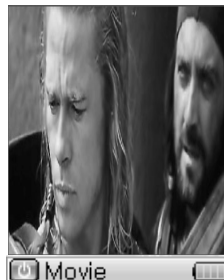
You can play various movies by use of Movie Player. Files in TMF (TMF-7000 format file), AVI/ASF/WMV (after converting to TMF file) can be played. For converting file, see page 47.



(Figure 37-1)
Move to Movie Player in Start menu figure 37-1, press button (PLAY/OFF).
Movie player window of figure 37-2 is displayed and saved movie file is played.



(Figure 37-2)
To play next or previous file, press button (◀◀) or (▶▶).



(Figure 37-3)
To capture a screen during movie play, set up CAPTURE menu in Control menu and press button (EQ) during play. The screen is captures as paused and saved in CAPTURE folder.



(Figure 38-1)
To convert movie file as figure 38-1, see page 50.



(Figure 38-2)
To convert movie file as figure 38-2, see page 50.

How to use Control panel
Control panel configures the device.



(Figure 39-1)
Move to CONTROL icon in Start menu and press button (PLAY/OFF). Control menu window of figure 39-2 is displayed.



(Figure 39-2)
Control menu comprises device-setting functions.

1. Language

- Korean
- English
- Japanese
- Chinese
- Taiwan

When setting action, equalizer spectrum is displayed.
When setting master and slave, the song text is displayed.

2. Sound

- Volume setup
- Sound effect

When pressing key, verify action of sound effect.

3. Power

- Auto close
- Battery
- Rechargeable battery
- Economic mode
- USB power

It optimizes power state in use. When setting USB, you can use USB cable or cigar-jack.

4. Screen

- Lighting durability
- Brightness
- Screen saver
- Background

You can select state of LCD screen.

5. User key

- Image capture

With this Image capture function, you can capture displayed screen of

6. Sleep mode

When setting SLEEP MODE, the device turns off in indicated time automatically.

7. Alarm

- Time setup
- Alarm kind
- ON/OFF

When setting alarm time, the alarm functions as indicated.

8. Time

It sets up current time. The set time is displayed when power is on.

9. Format

- Rapid
- Low-speed

Format deletes user's all saved files..

10. Initialize

It initializes the device as original state.

11. System information

It displays memory information.

12. PC Link

You can use additional services in linking to PC.

13. Help

It displays help descriptions for optimal use.

14. Close

It closes Menu screen.



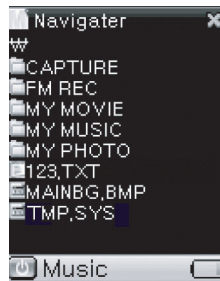
TMP-7000

● Text Viewer

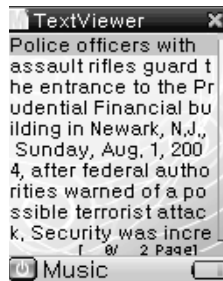
You can verify files with extension of TXT.
You can verify during music play.



(Figure 43-1)
When holding down (M) long in Start menu, Navigation window of figure 43-2 is



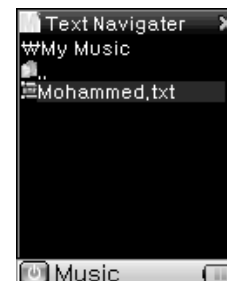
(Figure 43-2)
Move to file with extension of txt in Navigation window and press button (PLAY/OFF). Text viewer of figure 43-2 is displayed. You can verify selected document.



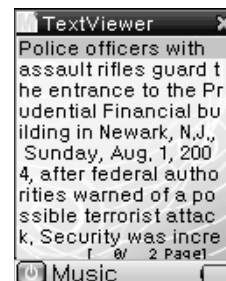
(Figure 43-3)
To verify lower part of document, press button (-). Text is scrolled upward and you can verify lower part.



(Figure 44-1)
To verify text during music play, Press button (M) as figure 44-1 and select Text View. Text navigator window of figure 44-2 is displayed.



(Figure 44-2)
Move to document file in Text navigator and press button (PLAY/OFF). Text viewer of figure 44-3 is displayed.



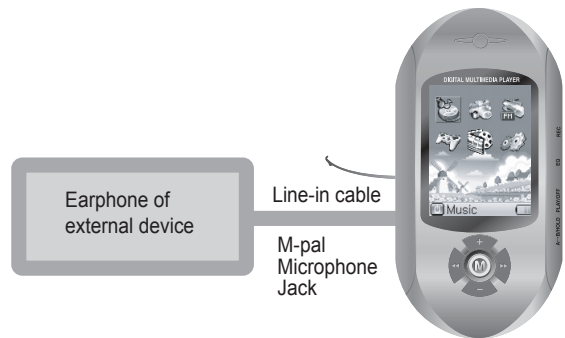
(Figure 44-3)
To verify lower part of document, press button (-). Text is scrolled down and you can verify lower part.

To exit Text Viewer, press button (REC). In case of text view during music play, it returns to Music Player.

● Recording from External machine to voice recorder

You can record external sound by recorder.

1. Connect audio connection cable to output terminal (earphone) of external device and line-in of recorder.
2. Adjust volume of external device. When volume is high, you may have distorted sound when playing recorded file.
3. Press PLAY button in external device and REC button in Voice recorder.

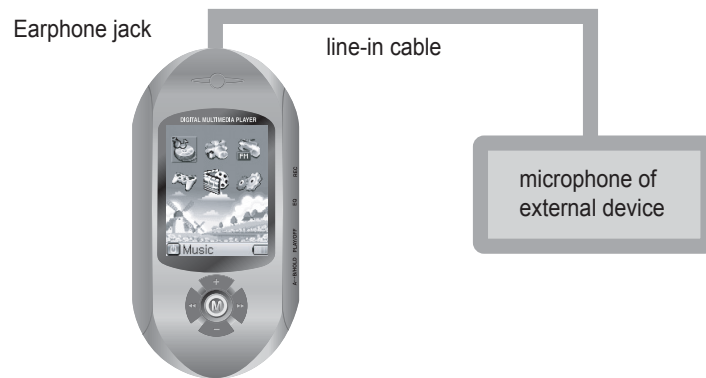


- It records in stereo mode. When connection earphone to recorder, you can verify recording status.
- To save external sound, convert input mode as line-in and record.

● Recording from Voice recorder to external machine

You can move recorded sound of Voice Recorder to external device.

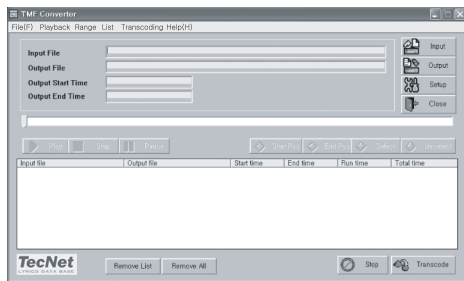
After connecting audio connection code to earphone and input (microphone) of external device, press button (PLAY/OFF) and REC button of external device.



- Try to test recording.
- Adjust recording volume with external device.

● TMP converter

TMF converter operates M-pal Movie Player and converts it to playable file.



(Figure 47-1)

1. PC requirement
 - Pentium 3 or upgraded
 - Window 2000 or upgraded
 - DIRECT 9.0 or upgraded
 - Pre-installation of DIVX CODEC
2. Supportable format
 - RAW AVI FORMAT
 - MICROSOFT WMV FORMAT

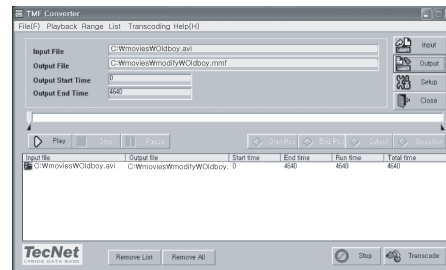
3. Download of DIRECTX and DIVX CODEC
 - DIRECTX: Download at <http://www.microsoft.com/windows/directx/default.aspx>
 - DIVX.XIVD.DIV3.dx 50 can be downloaded at <http://www.dvx.com>





(Figure 47-2)

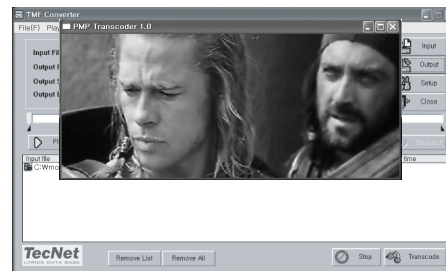


(image) Press TMF CONVERTER icon and main screen of figure 47-1 is displayed
(image) By use of TMF CONVERTER, you can drag and drop converted movie file and player window of figure 47-2 is displayed.







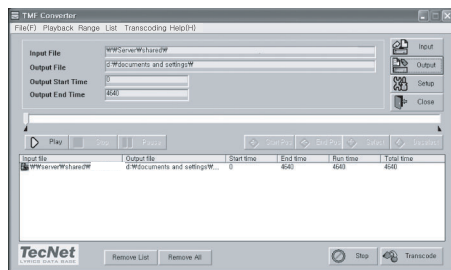
(Figure 48-1)

1. Press button ( Input) and open convertible file.
2. Press button ( Output) and set folder to save converted file.
3. Screen displays as figure 48-1.

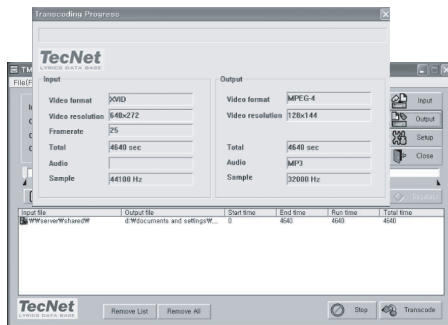


(Figure 48-2)

1. Press button ( Play) and selected movie is played as figure 48-2.
2. When pressing button ( Pause  Stop), you can stop or pause.
3. To convert into playable file, stop player by pressing button ( Stop).



(Figure 49-1)



(Figure 49-2)

1. In screen of figure 49-1, press button (Transcode) and window of figure 49-2 is created and then file is converted.



● TMP converter setup

You can adjust screen direction and quality.



(Figure 50-1)

1. You can rotate screen as wanted.



(ROTATE 0) (ROTATE 90) (ROTATE 180) (ROTATE 270)

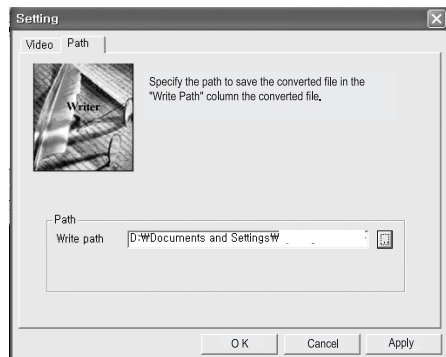
2. The lower figure is, the better movie quality becomes.

3. Wide Screen



(selected)

(deselected)



(Figure 51-1)

1. In screen of figure 51-1, select PATH in upper part. The screen of figure 51-1 is displayed.
2. When setting save path of movie files in WRITE FILE, you can save automatically save files in indicated path.

●How to use of TMF Player



(Figure 52-1)

1. When dragging and dropping converted file by TMP Player, the player window of figure 52-1 is activated and movie is played

ROTATE 270, MOVIE QUALITY 12, WIDE SCREEN

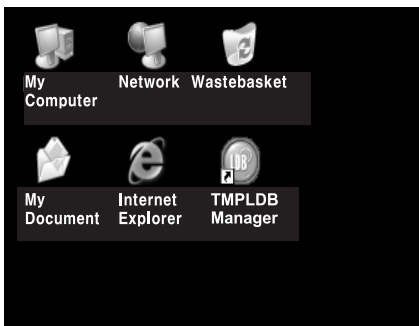
2. To make all or front screen, convert as follows

ROTATE 0, MOVIE QUALITY 12, WIDE SCREEN

3. To view screen in wide, convert as follows

ROTATE 9, MOVIE QUALITY 12, WIDE SCREEN

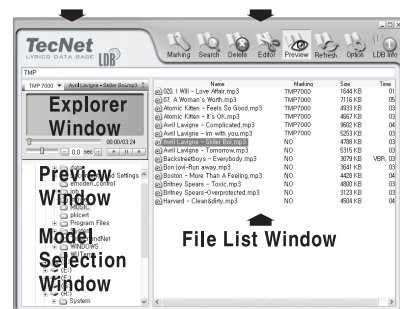
● LDB Manager



(Figure 53-1)

After installation of program, LDB manager short-cut icon is created in screen. Double-click of icon executes LDB manager program as figure 53-1.

This program enables to search automatically song text during music play in Music Player or to input manually song text.



(Figure 53-2)

It is screen of LDB manager. LDB manger is to input song text of MP3 file saved in PC and independently operates without connecting to PC.

But, the environment enables to import song test from Internet.

● LDB Manager Menu



Marking

When selecting MP3 file for song text input. Press button (). The song text marking is automatically done. File without text shows NO in marking information in list window. When text is entered, the song text is displayed in text marking of file list.

* VBR file has no corresponding time information and their song text is not marked.



Search

To search and input wanted song text, select the desired MP3 file and press button (). By search in a server, you can find relevant song text.



Delete

To delete entered song text, select the desired MP3 file and press button of text deletion.



Editor

You can edit directly song text or correct the entered text.



Preview

Preview window is not shown in execution of program. Press button () and the screen are displayed. When entering text and playing selected file, you can preview it.



Refresh

To refresh review file list, press it.



Option

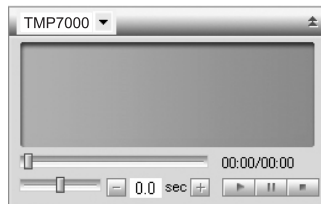
When entering song text of relevant file in LDB Manager, you can modify ID3v1 tag information correction setting.



LDB Info

To verify version and manufacturer information of LDB Manager, press it.

● Preview window of LDB manager

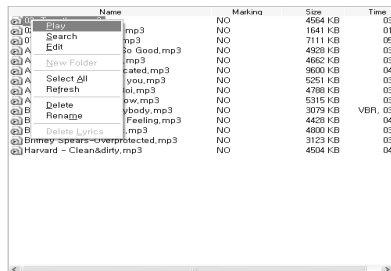


(Figure 55-1)



(Figure 55-2)

● Available menu in File list



(Figure 55-3)

(Figure 55-1)

Verify the entered song text in Preview window.
Select text-marked file and increase or decrease playing time.

(Figure 55-2)

The letters and lines are limitedly displayed according to device model.

Menu in list window (없음)

Available menu in File list

[Play] it plays selected file in preview window

[Search] it searches song text information.

[New folder] It creates new folder.

[Select all] It selects all files in list window.

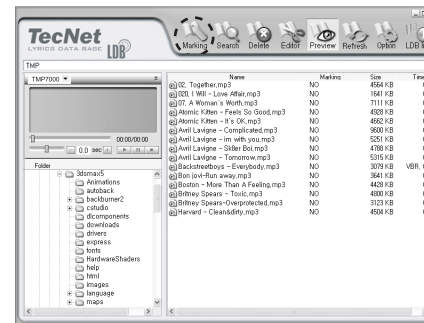
[REFRESH] It refreshes list.

[DELETE] it deletes relevant file.

[RENAME] it renames relevant file.

[DELETE TEXT] it deletes entered song text information from file.

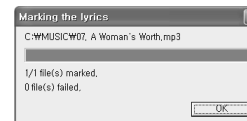
● How to input simple song text (auto search)



(Figure 56-1)

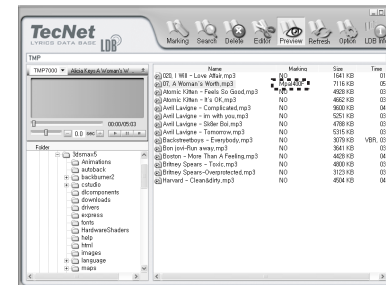
1. Execute LDB Manager and find MP3 file for entering song text.

You can simply enter song text as below:



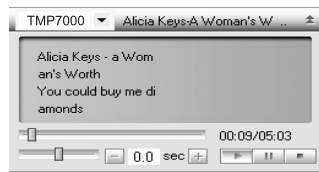
(Figure 56-2)

2. Select the said file and press button of input text in upper part.



(Figure 56-3)

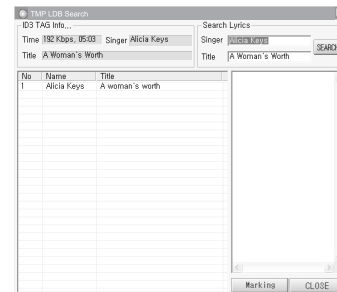
3. Search automatically song text information in a server and enter it.



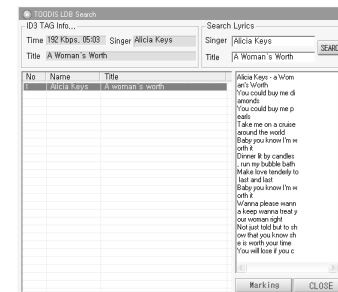
(Figure 57-1)

When playing file as figure 57-1 in Preview window, song text is displayed and play is in progress.

* In case of no automatic search of song text, enter directly song text.



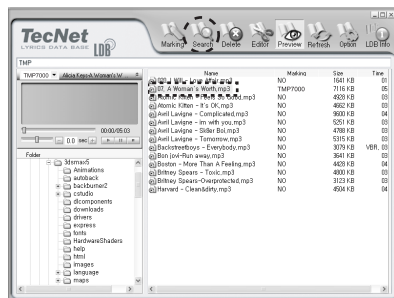
(Figure 58-1)



(Figure 58-2)

● How to input searched text (manual search)

When automatic search of song text is not available, search it manually.



(Figure 57-2)

When automatic search of song text is not available, search it through singer name or song title.

1. Select the file for song text and press SEARCH button in upper part.

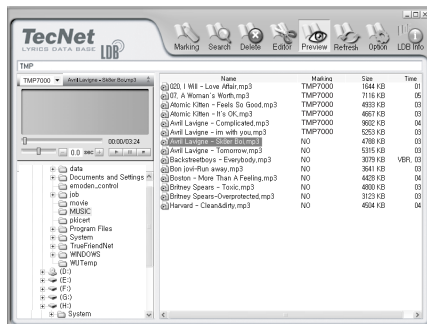
2. Search window of figure 57-1 is displayed.

3. Enter singer name or song title in search window and click SEARCH button. When the relevant file has function of ID3 tag, you can enter automatically singer name or song text by clicking them respectively.

4. Find the song corresponding to time, name and title and click it.
You can verify song text to be entered in right window.

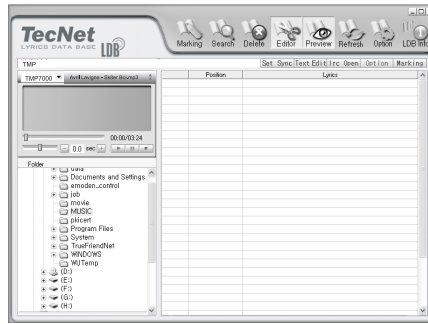
● How to synchronize text by user

User enters directly text and synchronizes it.



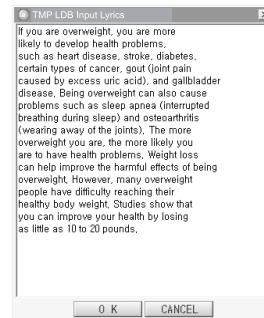
(Figure 59-1)

1. Select the file and click TEXT EDIT button in upper menu.



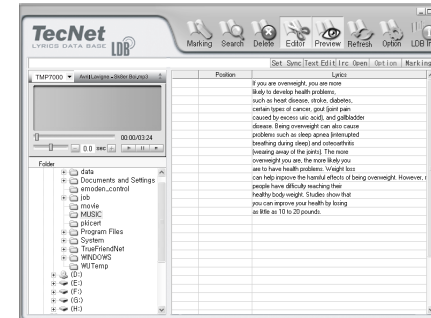
(Figure 59-2)

2. After verification of screen as figure 59-2 for edition, press TEXT EDIT button.



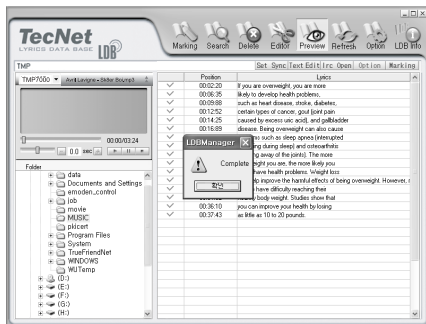
(Figure 60-1)

3. Enter song text in window and press VALIDATE button.



(Figure 60-2)

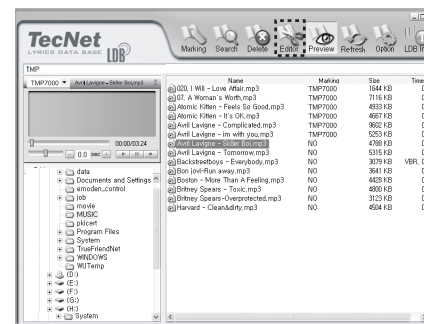
4. Verify the conversion of edition screen as figure 60-2.
5. Press PLAY in Preview window and press SYNC button in the point of reading a text line.



(Figure 61-1)

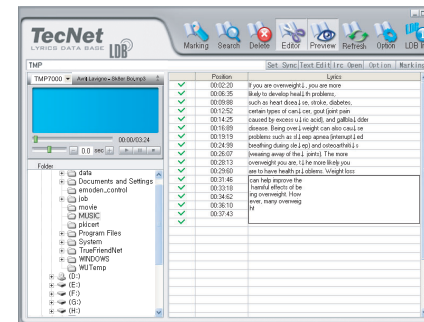
6. After completion, press text-marking button as figure 61-1 and save it.

● Text correction



(Figure 62-1)

1. Select file to be corrected and click TEXT EDIT button in upper menu.



(Figure 62-2)

2. Verify the conversion to screen of TEXT EDIT.
3. Double-click the part to be corrected and correct text or time.
4. After completion, press text-marking button as figure 61-1 and save it.

● PC environment for PC link

PC: Pentium 200Mhz or upgrade with built-in USB

Memory 64 MB or up

Hard disk: 10MB or up

Built-in USB

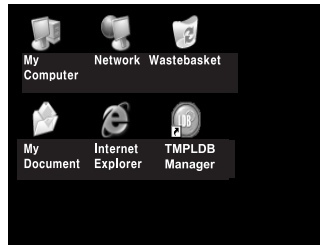
CD-ROM Drive

Sound card

Operating system: Windows 98, Windows ME, Windows 2000, Windows Xp (not available with Windows NT)

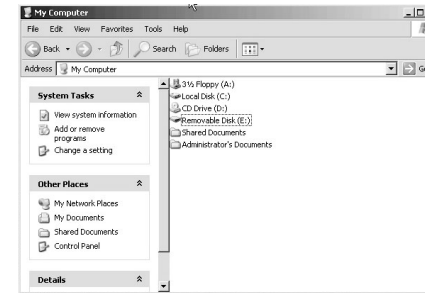
- When connecting to PC, the device is recognized as a mobile disk without installation of software. (Except Windows 98: For it, see below, installation of mobile disk in Windows 98)
- By use of Windows explorer, you can copy, delete and move the file.

● Mobile disk link for file work

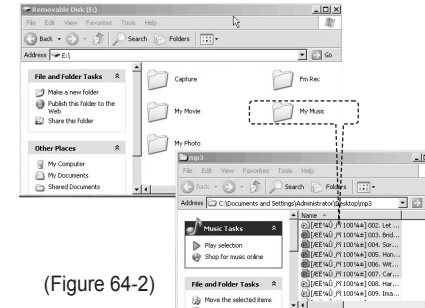


(Figure 63-1)

- Click MY COMPUTER in screen of PC.



(Figure 64-1)



(Figure 64-2)

- Click mobile disk.

- When clicking mobile disk, there are basic five folders built in the device.
 1. CAPTURE folder: it saves captured images.
 2. FM REC folder: it saves recorded music from Radio Player.
 3. MY MOVIE folder: it saves files made by TMP CONVERTER.
 4. MY MUSIC folder: It saves music files and you can verify them with Image Viewer.
 5. MY PHOTO folder: it saves photo files and you can verify them with Image Viewer.

* Save the files in suitable folder. Figure 64-2 is the example of saving music file in MY MUSIC.

● How to install MASS STORAGE Driver in WINDOWS 98

To recognize the device as mobile disk in Windows 98, the separate driver is to be installed.

- Automatic installation: Install Xshell Manager For TecNet of distributed CD. At the same time the driver for Windows 98 is installed.
- Manual installation: 1. Insert Installation CD into CD-ROM Driver.
2. Turn on the device and then connect to PC. The below screen is displayed.
3. Follow the indication for installation.



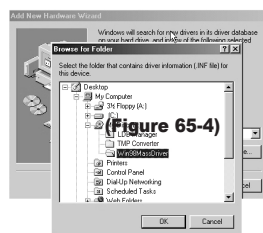
- Click NEXT.



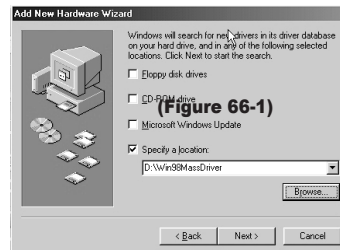
- Click NEXT.



- Click NEXT.



- Select Win98MassDriver in CD-ROM and click NEXT.



- Select Win98MassDriver in CD-ROM and click NEXT.



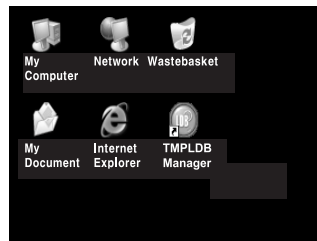
- Click NEXT.



- Click FINISH. When opening Windows explorer, you can verify the installation of mobile disk.

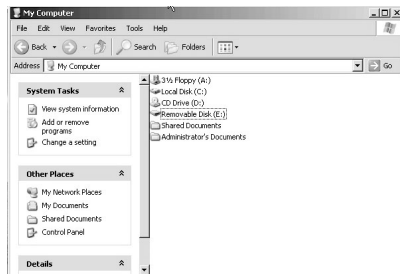
● Firmware Upgrade

Download firmware file for upgrade and copy in TecNet. Turn ON/OFF PC and firmware is automatically upgraded.



(Figure 67-1)

■ Click MY COMPUTER in PC screen.

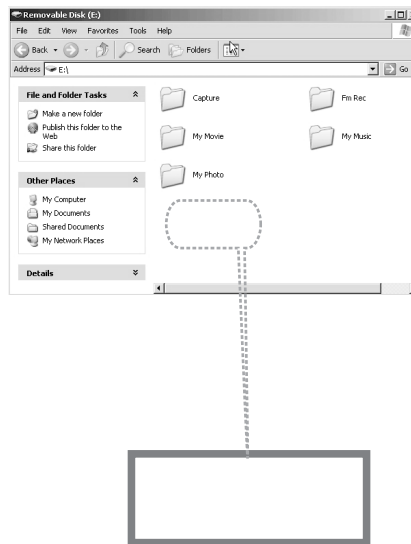


(Figure 67-2)

■ Click mobile disk.

Specification

The above items are subject to modification due to performance improvement.



● Warranty conditions

1. This product is manufactured under strict quality control and inspection.
2. The defectives in normal use during the period of warranty will be repaired free of charge.
3. The certain troubles will be charged for the repair service even during the period of warranty.
4. This certificate will be valid only in Korea.
5. When you use the product for commercial use (marketing and abnormal environment), the warranty period will be 6 months.
6. After purchase of the product, fill in the certificate and keep it.
7. Contact your purchasing point or company's A/S when the product has some troubles.

Following troubles are charged.

- ▶ Troubles by careless use
- ▶ Intentional modification of product interior by user
- ▶ Troubles by natural disasters such as fire, sea water, flood and earthquake

● Customer information

Product name	Digital Multimedia Player		
Model Name	TMP-7128 / TMP7256 / TMP7512 / TMP701G		
Purchase date		Warranty period	1 year
Dealer			
Tel			
Customer data	Address		
	Name		
	Telephone		

FCC CERTIFICATION

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

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.

NOTE:

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

GUARANTEE

PRODUCT	DIGITAL AUDIO PLAYER	MODEL	TW-6032/ TW-6064/ TW-6128/ TW-6256/ TW-6512
		SALES DATE	
CUSTOMER	ADDRESS NAME	TEL SINCERELY	
SALES AGENCY	ADDRESS AGENCY NAME	TEL SIGN	