



mobiBLU

User's Manual

DVH-100

www.mobibluamerica.com
www.mobiblu.com

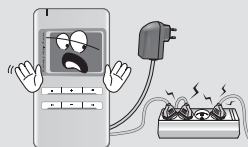
Security Instructions

For your security and to prevent any damages, please read the following safety instructions carefully. Please read the following safety instructions carefully.

Power Related

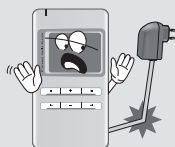
Do not plug in multiple power adapters simultaneously.

This may cause fire.



Don't bend the power adapter excessively, and keep it from being pressed against anything heavy or being damaged.

This may cause fire



Do not touch the power adapter with wet hands.

This may cause electric shock.



Product Related

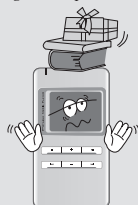
Do not drop any metal objects (coins, hairpins, etc.) or inflammable substances onto the product.

This may cause problems with the product.



Do not place heavy objects on the product.

This may cause problems with or damage to the product.



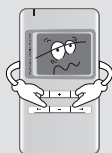
Do not place the product in a moist, dusty or sooty place.

This may cause problems with the product.



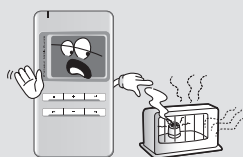
Do not press two buttons at the same time.

This may cause problems with or damage to the product.



Do not leave the unit in direct sunlight or near a heater.

This may cause problems with the product.



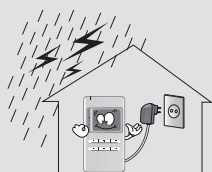
Do not drop the product and avoid strong pressure (vibration) or any impact to the product.

This may cause problems with or damage to the product.



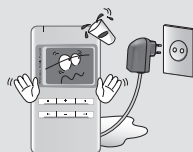
Disconnect the power cord in case of lightning.

This may cause electric shock.



If any liquid or alien substance is spilt or dropped onto the product, turn it off and stop the power supply.

This may cause fire or electric shock.



If there is any abnormal sound, smell or fumes coming from the unit, turn it off and interrupt the power supply.

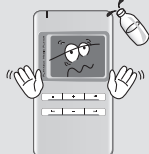
This may cause fire or electric shock.



Avoid letting any liquids, chemicals, cosmetics, etc. come into contact with the product.

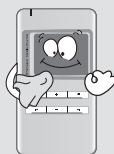
This may cause damage to the product.

Under no circumstances turn the product on and immediately contact a Service Center.



Lightly clean the surface of the unit using a soft dry cloth.

This may cause problems with the product.



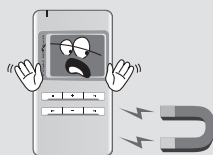
Never use chemicals or cleansing solutions. This may damage the surface of the product.

This may cause problems with the product.



Do not place any magnetic bodies near the product.

Magnetic bodies such as magnets, CRTs, TVs, monitors or speakers may cause damage to the product.



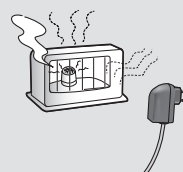
Never disassemble, fix, or modify the unit.

This may cause problems with or damage to the product.



Keep the adapter away from heaters.

This may cause fire or electric shock.



Safety Instructions

Safety Instructions for Using the DC Converter



Never open the case!
There is a danger of electronic shock.

Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.



Touching parts of the DC converter may cause electric shock.
Do not open the charger case for your own safety.



To prevent operating problems when using the DC converter, please read the User Manual.

Caution

Avoid any contact with water or other liquids. There is a danger of electric shock or fire.

For your security, use only the power adapter (Sunny Electronics, SYS1298-1305-W2E) supplied with the product.

(The manufacturer is not liable for damages to the product caused by using an adapter other than the supplied one.)

Notice

Use only outlets that match the DC converter plug. There is a danger of electric shock or fire.
Firmly insert the plug of the DC converter into the power outlet.

Using the Earphones

For Your Driving Safety

- Do not use the earphones while driving a bicycle, car or motor cycle.

It is dangerous and illegal depending on your local laws.

It is dangerous to listen to music loudly while walking especially crossing the road at a pedestrian crossing.

For Protection of Your Hearing Ability

- Do not increase the volume of your earphones to an excessive level.

Doctors warn of the dangers of listening to music at an excessive level through your earphones.

- If you are experiencing an echo in your ear, turn the volume down or stop using the earphones.

About the Internal Rechargeable Battery

- Do not use a damaged internal rechargeable battery or charger.
- Do not charge the rechargeable battery for longer than the specified time.
- Charge the battery fully when using the battery for the first time or when using the battery after a few months of non-use.
- Charge the battery fully, use it until it is completely discharged, and recharge it again to ensure a long lifetime. Charging the battery after a short use may shorten the lifetime of the battery. In this case, repeat charging the battery completely and discharging it completely several times. Then you can use the battery for a longer time.
- Over-charging and over-discharging shortens the life time of the rechargeable battery.
- When the use time of a rechargeable battery is significantly shorter than a new one, replace the battery with a new one.
- Since a rechargeable battery is an expendable supply, the use time of a battery decreases over time.
- Take care not to short-circuit the DC converter terminals or the rechargeable battery (metallic parts) with any conductors such as a necklace, bracelet etc. There is a danger of electric shock or fire.

Safety Precautions

Warning

Take care when using this unit while walking. There is a danger of accidents.

- Do not operate functions which require your attention for some time while driving.
To configure functions that may require your attention for some time, stop your car before doing so. Avoid watching the screen for long periods of time while driving. This may cause an accident.
- Do not turn the volume up excessively. Adjust the volume so that the sound of other cars and emergency sirens can still be heard. If you cannot hear the sounds of your surroundings while walking, this may cause an accident.

Contents



Preparations

■ Safety Instructions	2
■ Packages	8
■ Part Names	9



Connection

■ Connecting the Power (Charging)	11
■ Connecting External Equipment (AV OUT Jack)	12
■ Connecting to a PC	13
- Connecting to a PC using the USB cable	13
■ Installing the USB Driver Manually	14
- When an Error Occurs while installing the USB Driver	14
- For Windows 98SE	15
■ Using the Removable Disk	16
- Downloading and Uploading a File	16
- Disconnecting the USB Cable	17
- Formatting	17
■ Before Installing the Software	18
■ Installing the Codec	19
■ Installing the DirectX9	21
■ Installing the Transcoder	22
■ Using the Transcoder	23



Basic Usage

■ Playing a File	24
■ Recording Voice	26
■ Recording Music	27
■ Encoding a Video	28
■ Searching	29
■ Configuring Repetition (VIDEO / MUSIC / VOICE)	30



Additional Usage

Viewing File Information (VIDEO / MUSIC / VOICE / PHOTO / FILES).....	31
Sorting Files (VIDEO / MUSIC / VOICE / PHOTO)	32
Configuring the Playlist (MUSIC).....	33
Using the Playlist (MUSIC / VOICE).....	34
Configuring Play Mode	36
- Configuring Repeat in the MUSIC Menu	36
- Configuring Repeat in the VIDEO Menu	37
- Shuffle Play	38
- Configuring EQ.....	39
- Configuring the Bookmarks While Playing a File	40
Managing Files	41
- Using the USB Host Function	41
- Moving a File	42
- Copying a File to an External USB Device.....	43
- Deleting a File	44
Configuring a Photo File	45
- Configuring SlideShow	45
- Configuring the SlideShow interval	46
- Rotating a Photo File While Playing the File	46
- Zooming-in on a Photo File while Playing the File	47
Listening to FM Radio	48
Configuring the Menu	50
Configuring the Display	50
Configuring Recording Mode	51
Configuring the System Environment	52
- Firmware update	54



Customer

Troubleshooting.....	55
Product Specifications	57
FCC RF INTERFERENCE STATEMENT	59
WARRANTY	60

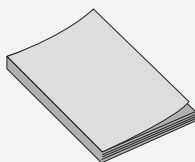
Packages



PMP (Portable Media Player)
Main Body



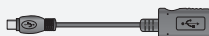
Earphones



User Manual



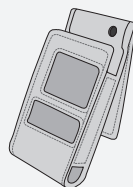
Installation CD



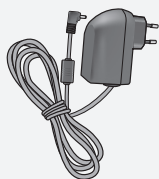
USB 1.1 Cable



AV Cable



Portable Bag



Power Adapter



Remote Control



Line In Cable



USB 2.0 Cable

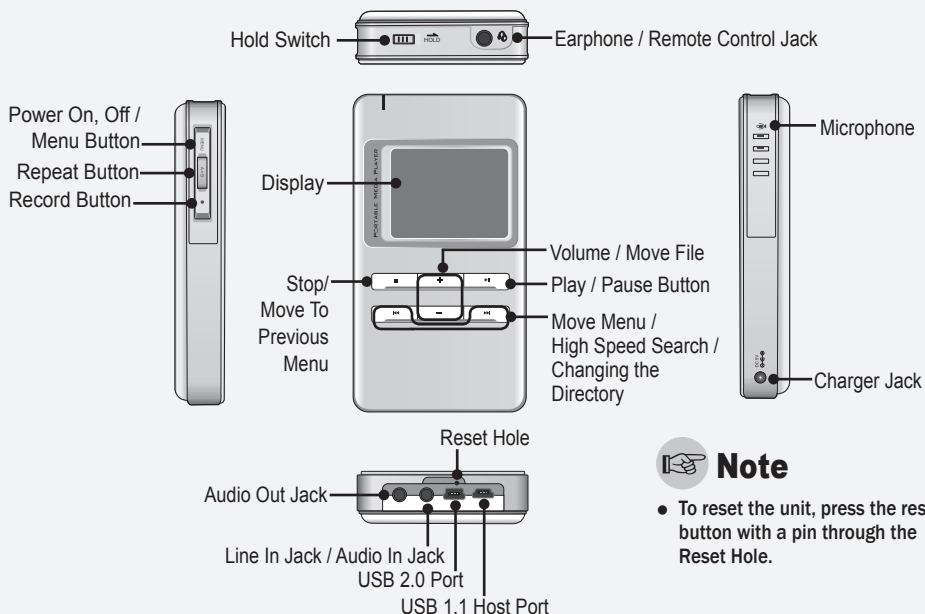


Note

- The contents are subject to change for the purpose of improving the performance without prior notice.
- Dispose of the packages and the old appliance separately for recycling.
- The supplied Line In cable can only be used to connect an external audio device for audio recording. Connect the white plug of  (+4-pole) to AV In jack and connect the black plug of  (+3-pole) to Line Out jack of an external audio device. If the jacks are not connected to the corresponding ports, recording will not properly be done.

Part Names

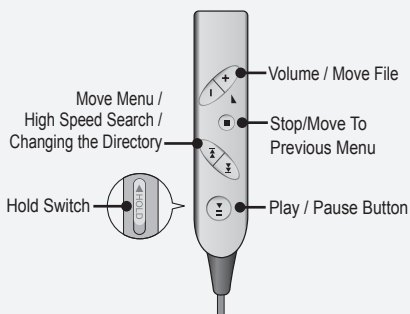
Main Body



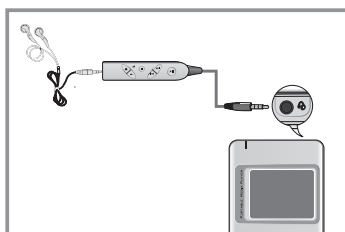
Note

- To reset the unit, press the reset button with a pin through the Reset Hole.

Remote Control



Connecting the Remote Control



- Plug the remote control plug into the Remote Control Jack on the main body.
- Plug the earphone plug into the Earphone Jack of the remote control.

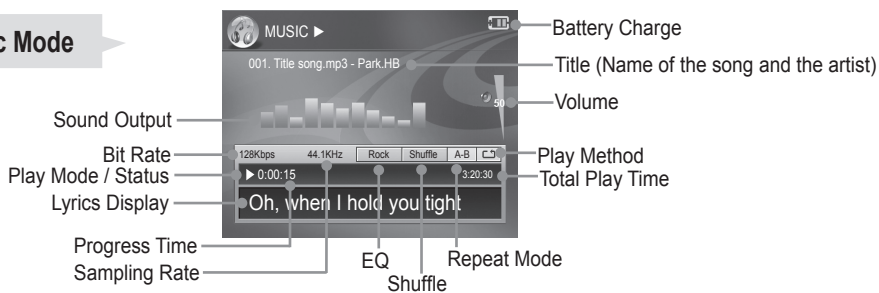
Note

- The appearance of the contents is subject to change for performance improvement without notice.

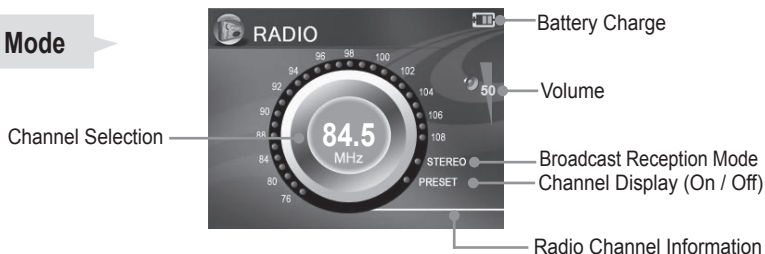
Part Names

Operating Display

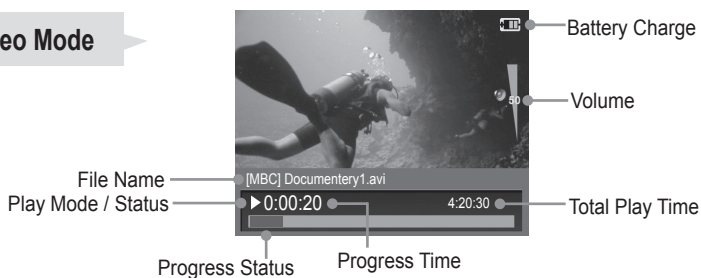
Music Mode



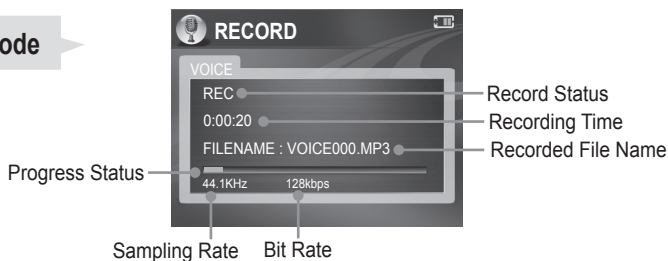
Radio Mode



Video Mode



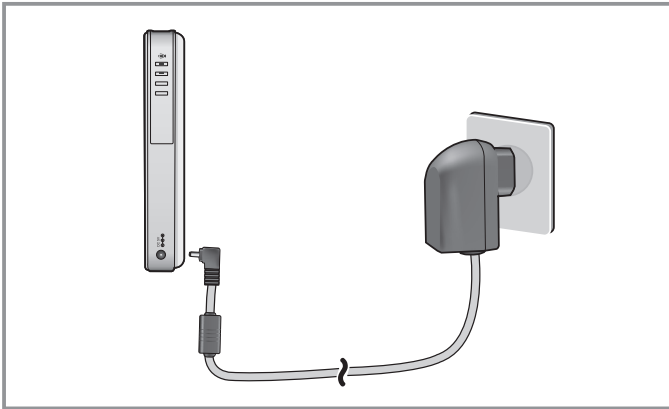
Record Mode



Connecting the Power (Charging)

Before using the product, charge the battery by connecting the DC adapter supplied.

- 1** Connect the DC adapter to the DC 5V jack of the product.
Firmly plug the DC adapter into the power outlet.
- 2** While charging the battery, the Charge Status light turns red.
When the battery is fully charged, the red light of the Charge Status light changes.
 - Before using the unit, charge the battery for about 4 hours so that it is completely charged.
 - Charge time: 4 hours (when completely discharged)

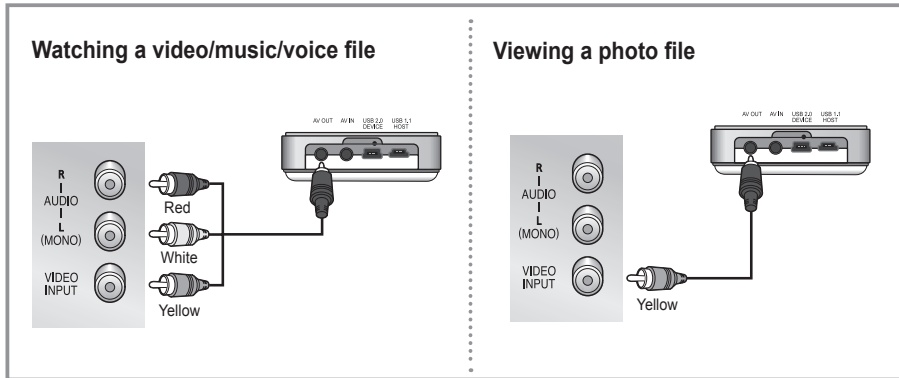


Note

- The playing time when the battery is fully charged is listed in the product specifications. (See page 57.)
- An insufficient battery charge while recording video or transferring files may cause a serious system error.
Check the charge level when using the product and connect the DC adapter, if necessary.
- Check the battery charge status and charge the battery before it is completely discharged.
- When the battery is completely discharged, connect the power adapter for longer than one minute and then turn it on.

Connecting External Equipment (AV OUT Jack)

You can view videos and pictures saved in the unit through a TV or PC monitor by connecting the AV OUT jack of the product.



■ Viewing Video/Music/Voice through the TV

1. Connect the AV cable plug to the AV OUT jack of the unit and the three RCA plugs to the External TV In jacks. (Yellow: Video, White: Audio (Left), Red: Audio (Right))
2. Switch to Video (External In) Mode using the TV remote control so that the signal from the PMP is selected.
 - The Operating Display appears on the monitor.
 - For more information on how to view video files, refer to page 24.
3. When playing the file ends, adjust the TV volume with the TV remote control.

■ Viewing a Picture through the TV

1. Connect the AV cable jack to the AV OUT jack of the unit, and the yellow jack of the three RCA plugs to the yellow jack of the External TV In jacks. (Yellow: Video)
2. Switch to Video (External In) Mode using the TV remote control so that the signal from the PMP is selected.
3. Play a picture file to view it.
 - For more information on how to view picture files, refer to page 24, 45~47.



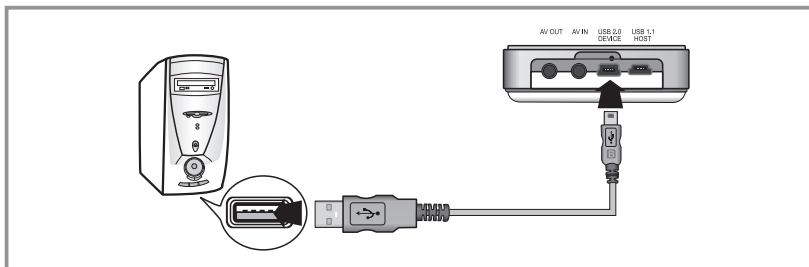
Note

- If your PC monitor has a Composite Input jack, you can view video or pictures through the PC monitor.

Connecting to a PC

Connecting to a PC using the USB cable

- 1 Connect the DC adapter to the main body and switch it on.
 - Since operating the unit in connection with a PC consumes more power than during normal operation and insufficient unit power may cause data loss, you need to connect the unit to the DC adapter.
- 2 Open the bottom cover of the main body and connect the USB 2.0 Port on the unit and the USB port of the computer using the USB 2.0 cable.
 - Do not disconnect the connected USB cable without completing the proper procedures to prevent data loss or a system error on the PC or the PMP.
(See 'Disconnecting the USB Cable'.)



- 3 The 'Searching for a new device' message appears and the USB driver is installed. The installation screen may not be displayed. Open the Device Manager and check whether the device driver is properly installed.
- 4 When the USB driver is installed, "USB 2.0 Storage Device USB Device" will be displayed in the [Device Manager].

Procedures to Check the USB Driver

- Windows 98/ME:
Control Panel → System → Device Manager → Disk Drive → USB 2.0 Storage Device/USB 2.0 Storage Device USB Device
- Windows 2000 (Professional):
Control Panel → System → Hardware → Device Manager → Disk Drive → USB 2.0 Storage Device USB Device
- Windows XP (Professional):
Control Panel → System → Hardware → Device Manager → Disk Drive → USB 2.0 Storage Device USB Device



- 5 If the USB driver has not been properly installed, install the USB driver manually referring to "Installing the USB Driver Manually".

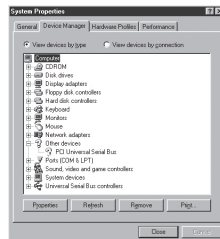
Installing the USB Driver Manually

If the USB driver has been properly installed, skip this section and go to “Downloading and Uploading a File” on page 16. Follow the procedures below only when the USB driver is not installed automatically.

When an Error Occurs while installing the USB Driver

1 Check the Device Manager.

- Windows 98/ME:
Control Panel → System → Device Manager
- Windows 2000 (Professional):
Control Panel → System → Hardware → Device Manager
- Windows XP (Professional):
Control Panel → System → Hardware → Device Manager



2 Check if there is a device marked by an exclamation mark or question mark (represented as an Unknown Device or USB Device)

3 Double-click a device marked by an exclamation mark or question mark.



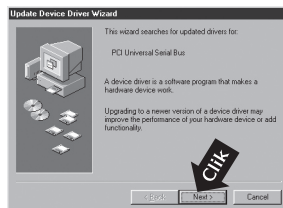
Note

- When the USB driver is not recognized in Windows 2000, Connect to windowsupdate.microsoft.com and download and install the latest service pack.
- The procedures to install the drive may vary depending on the model or settings of the computer. In this case, ask your computer provider or service center about the installation procedures.
- If the USB driver installation error occurs continuously, restart the computer and connect the USB cable again.

4 Select the driver and click **[Driver Update]**.



5 Select Compatible Driver and click **[Next]**.

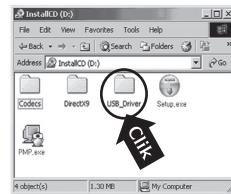


For Windows 98SE

Separate the USB cable connecting the Windows™ 98SE PC and the unit and complete the following procedures. Install the driver as follows and restart the computer.

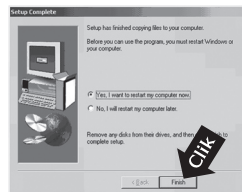
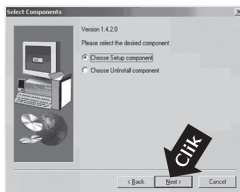
Then you can move files between the computer and the unit using Windows® Explorer.

- Insert the supplied Installation CD-ROM into the CD-ROM drive.
- Open the Installation CD and double-click the USB Driver folder to open it.



1 Double-click **Setup.exe**  in the USB Driver folder.

2 Follow the instructions on the windows.



When you complete the installation,
restart the computer.



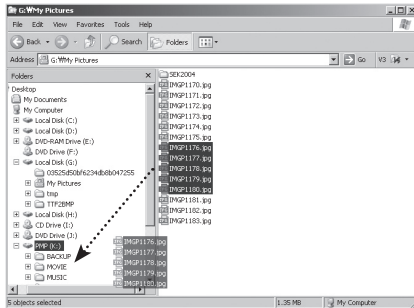
Note

- Unless the PMP program is installed, you cannot use the unit as a removable disk in Windows 98. Make sure to install the USB driver file first.

Using the Removable Disk

Downloading and Uploading a File

- 1 Turn the unit on and connect the unit to the computer.
- 2 Launch Windows Explorer on the computer.
 - The unit is represented as a Removable Disk in Windows Explorer.
- 3 Select a folder on the removable disk to save the files and drag and drop the files to this location. The saved files are played in the filename order. To change the order, rename the files.
 - If you rename the files to 001***, 002*** ... in Windows Explorer, the files are played in the order of the numbered filenames.



Note

- When the unit is connected through the USB connection, the USB Connected message appears. Since separating the cable while downloading or uploading files may cause a file system error on the unit, separate the cable according to the procedures in 'Disconnecting the USB Cable' (See page 17.).
- The order of the files when they are displayed when the Removable Disk is selected in Windows Explorer is not the playing order.
- If a file is not copied to the corresponding playback folder, it will not be played.
(For example, if Love.avi (a video file) is copied to the MUSIC menu folder, the files will not be played.)

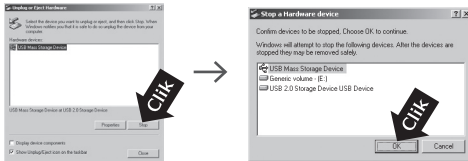
Disconnecting the USB Cable

When you finish transmitting the files, unplug the cable according to the procedures below.

- 1 Double-click the green arrow in the notification area.



- 2 Select the USB device and press the **[Stop]** button.
When the **Stop Hardware Device** screen appears, click the **[OK]** button and remove the USB cable.

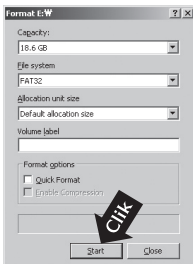


Notice

- Separating the cable while downloading or uploading files may cause data loss. Make sure to finish all file operations before separating the cable. It is recommended closing all opened file folders before removing the cable.

Formatting

- 1 Select a removable disk, right-click, and select Format from the popup menu.
- 2 Press the **[Start]** button.
 - All saved files are deleted.
 - You can rename the removable disk in the volume label.



Notice

- The format operation deletes all folders and font files used by the unit. After formatting, copy the **PMP.exe** file from the CD to the root directory of the unit and double-click the file to generate the system folders and font files. If you launch **PMP.exe**, **MUSIC**, **MOVIE**, and **PHOTO** folders are created on the hard disk of the unit, and the **UNICODE.FON** font file is created. Since the **UNICODE.FON** file is required for the proper operation of the unit, make sure that this file is not deleted.
- Note that the files on the disk will not be recovered after the format operation.

Before Installing the Software

For the proper operation of the video playback function, converting file formats using the supplied Transcoder is recommended. Files using formats not supported by this product will not play unless they are converted using the Transcoder. You may experience unstable video playback even when playing files of a supported format. In this case, it is recommended converting the file using the supplied Transcoder.

Supported Video Specifications

Item	Specifications
File Formats	AVI, MPG, MPEG
Audio Formats	MPEG 1/2/2.5, Layer 3
Video Formats	MPEG-1, MPEG-2, Divx 3.1/4.xx/5.xx, Xvid, ISO MPEG-4 SP
Video Bit Rate	Up to 4Mbps
Audio	8Kbps ~ 192Kbps
Resolution	Equal to or less than 720 X 480 pixels
Video Frame Rate	Equal to or less than 30 fps

The following files will not be played without conversion.

- Video files encoded by a video codec other than MPEG-1, MPEG-2, Divx 3.11, 4.0, 5.x, Xvid, and ISO MPEG-4 SP. (WMV, etc...)
- Video files encoded by an audio codec other than MPEG 1/2/2.5, Layer 3. (AC3, DTS, etc...)
- Video files that exceed the supported bit rate, resolution, or frame rate.
- The supplied Transcoder does not support the WMV, ASF and DTS formats.

Before Installation....

About the PMP Media Converter

The conversion software converts various video files to the Divx-AVI type video format. In addition, you can change the screen resolution and the image quality during the conversion process.

Required Programs

The Transcoder will only work properly when the following programs have been properly installed.

- MS DirectX 9.0b or later (Required)
- MS Windows Media Player 9
- DivX 5.1.1 codec or later

Notice

When the integrated codec is improperly installed, the program may malfunction.

If the conversion is not performed properly or the program does not respond, remove the integrated codec and re-install the DivX codec and WMP9.

Some corrupted files may not be converted. Files whose video or audio codec information is not properly displayed in the list window may not be converted.

Installing the Codec

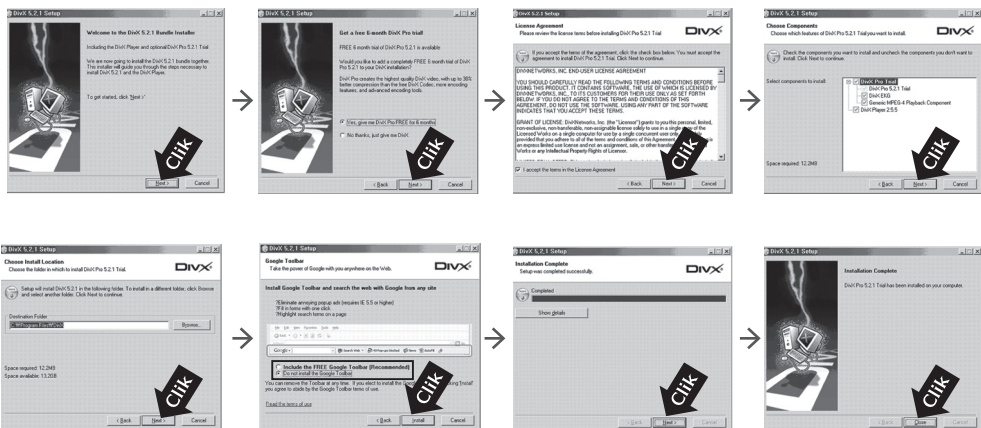
To use the Transcoder, the following DivX codec, MP3 codec, and AC3 codec program must be properly installed. Install the programs according to the instructions using the supplied CD-ROM.

- Insert the supplied Installation CD-ROM into the CD-ROM drive.
- Open the Installation CD and double-click the Codecs folder.



To Install the DivX Codec

- 1 Double-click the  from among the 3 setup files within the Codecs folder.
- 2 Select the language option to install.
 
- 3 Follow the instructions in the windows.



You may select
"Include the FREE Google Toolbar".
Alternatively, select "Do not install the
Google Toolbar". Click "Install".

When you complete the
installation, restart the
computer.

Installing the Codec

To Install the AC3 Codec

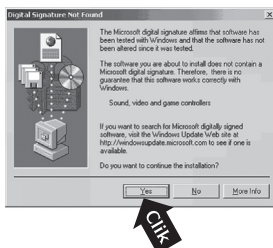
- 1 Double-click the  from among the 3 setup files within the Codecs folder.
- 2 Select **[Yes]** to complete the installation.



When you complete the installation, restart the computer.

To Install the MP3 Codec

- 1 Double-click the  from among the 3 setup files within the Codecs folder.
- 2 Select **[Yes]** to complete the installation.



When you complete the installation, restart the computer.



Note

- Even if you lose the supplied CD, you can download the required 3 codecs from the following sites.
DivX 5 or higher: <http://www.divx.com/download>
AC3 codec: <http://fcchandler.home.comcast.net/>
MP3 codec: <http://lame.sourceforge.net/>
❖ The version and installation procedures of the software may change without prior notice on the sites. Check the versions and installation procedures on the corresponding sites prior to installation.

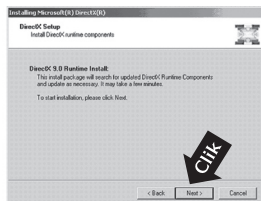
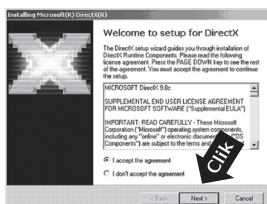
Installing the DirectX9

- Insert the supplied Installation CD-ROM into the CD-ROM drive.
- Open the Installation CD and double-click the DirectX9 folder.

To Install DirectX9

1 Double-click **dxsetup.exe** to launch it.

2 Follow the instructions in the windows to complete the installation.

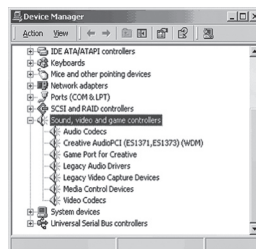


When you complete the installation, restart the computer.

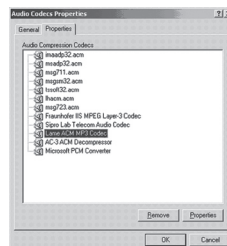
To Check the Installed Codec

1 Select Device Manager and double-click on Audio Codecs.

- Windows 98/ME:
Control Panel → System → Device Manager
- Windows 2000 (Professional):
Control Panel → System → Hardware → Device Manager
- Windows XP (Professional):
Control Panel → System → Hardware → Device Manager



2 Select the **Properties** tab and check that the codecs are properly installed.



Installing the Transcoder

To install the software

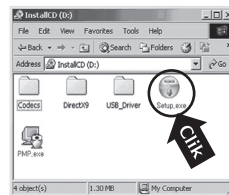
Requirements

The software requires the following computer system requirements.

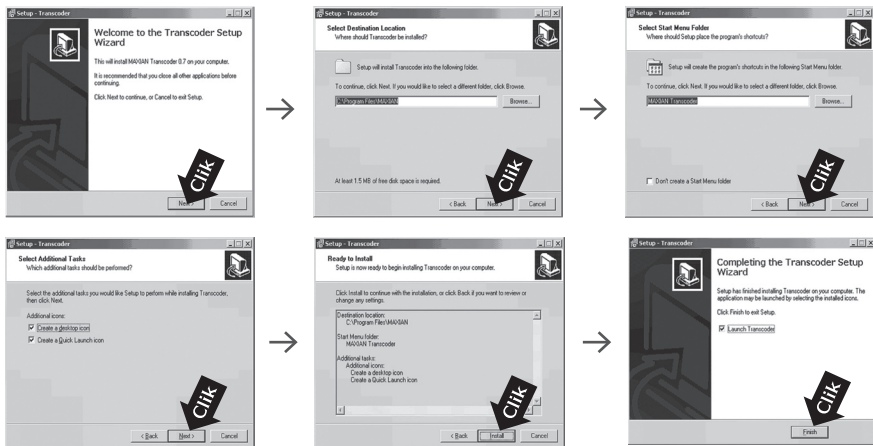
- Pentium 3 500MHz or faster
- Windows 98SE/ME/2000/XP
- 50MB of free hard disk drive space
- USB (2.0) Support
- CD-ROM Drive (2x or faster)
- 128MB of memory or larger (256MB or larger is recommended)
- DirectX 9.0 or later and a Graphic Cards with at least 8MB of video memory (64MB or larger of video memory is recommended)

- ❖ Before connecting the computer and the PMP, install the USB driver.
if the 'Add New Hardware Wizard' appears, click the **[Cancel]** button and install the USB driver.

- 1** Insert the Installation CD into the CD-ROM drive.
The following figure will appear.
Double-click **[Setup.exe]**.



- 2** Follow the instructions on each of the screens and complete the installation.

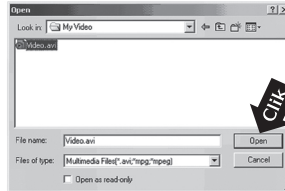


- When the software installation is complete, connect the unit to the computer and use it according to the figure on the following page.

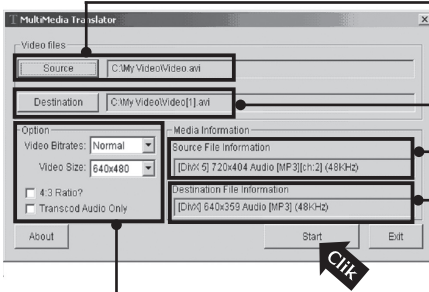
Using the Transcoder

To Convert to a File

- 1 Double-click the Maxian Transcoder icon  on the Desktop.
- 2 Click the **[Source]** button.
Select a video file to convert and click the **[Open]** button.



- 3 Configure the options and click the **[Start]** button.



The location of the original file.

You can change the file to be created and the location to save the file to.

Original File Information

Target File Information

Video Bit Rates: Although a Lower Bit Rate degrades the screen quality, it offers a smaller file size using a higher compression rate. Alternatively, a High Bit Rate provides a higher screen quality with a larger file size. Normal is recommended for general use.

Video Size: Determines the screen quality of the converted file.

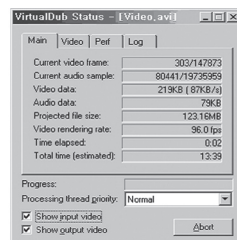
Example) Converting a 320X240 video file (low resolution) to a 640X480 file (high resolution) degrades the screen quality when playing the file.

4:3 Ratio: This option keeps the horizontal and vertical ratio of the screen at 4:3.

Transcod Audio Only: This option converts the audio format of the video file. That is, this option converts the AC3 format to the MP3 format. If you select the Audio option and convert a file, only audio data is converted.

- 4 While the conversion is in process, a dialog box appears.
To cancel the operation, click **[Abort]**.

- You can view the information of the file to be converted in the right pane.



Playing a File

To Play a File (Turning the Power on)

Press and hold the **MENU** button on the main body when it is turned off.

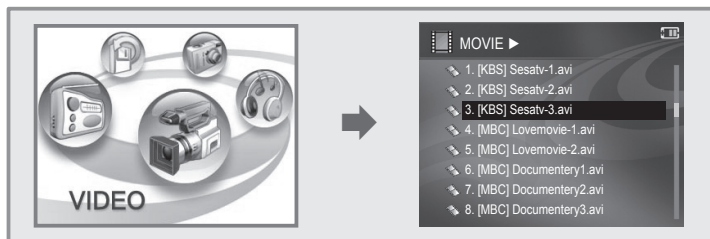
The main menu screen will appear.

- Select a menu using the ◀◀/▶▶ on the unit or the remote control and press the ▶▶ button to enter the menu.
- Select the file to play using the + / - buttons on the unit and press the ▶▶ button to play the file.

◀◀ : Moves to the high-level folder or cancels a folder.

▶▶ / ▶▶ : Move to a sub folder, Enters the folder

+ / - : Moves the folder or file in a directory.



To Stop Playing (Turning the Power off)

Press and hold the **MENU** button on the main body to turn the unit off.

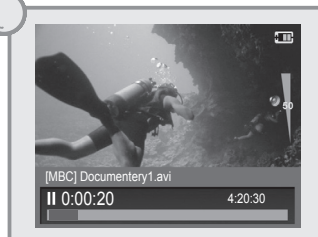
- Pressing the ▶▶ buttons on the unit or the remote control during playback pauses play. It also darkens the LCD screen if there are no additional keystrokes for longer than the configured time period. And if there are no keystrokes for 1 minute, the unit automatically turns off. To exit the configured mode, press the ■ button. The previous menu appears.



To Adjust the Volume

You can adjust the volume by using the + / – buttons on the unit or the remote control during playback.

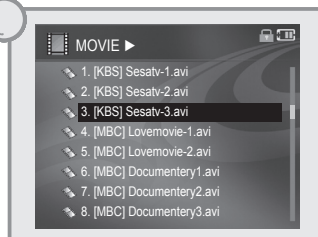
- You can select a volume level between 00 and 99.
- Pressing once briefly, adjusts a single volume level. Press and hold the button to accelerate the volume adjustment speed.



Hold Function

If you set the Hold function, pressing buttons during playback will not work.

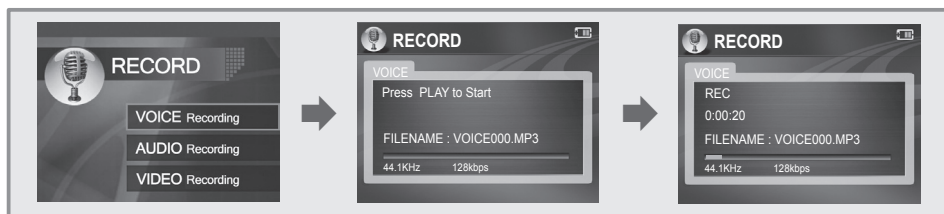
- To set the function, slide the **HOLD** switch on the unit or the remote control in the direction of the arrow.
- Even if the Hold function of the unit is selected, the buttons on the remote control will work.
- Even if the Hold function of the remote control is selected, the buttons on the unit will function.
- When the Hold function is selected,  is displayed on the Operating Display.



Recording Voice

*Since pressing the **RECORD** ● button during **MUSIC/VIDEO/RADIO/PHOTO** playback does not start recording, press the ■ button to move to the previous menu and to the main menu.*

- 1 Press the **RECORD** ● button on the left side of the unit.
- 2 Select **VOICE Recording** using the **+** / **-** buttons and press the ► button to start voice recording.
 - Press the ► button to pause recording.
 - Press the ► button once again to resume recording.
- 3 To stop recording, press the ■ button while recording voice.
 - This returns to the previous menu and saves the recorded voice as a file.



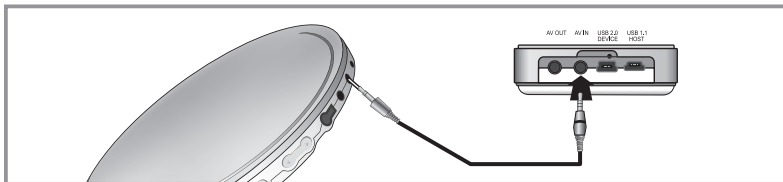
Note

- After recording, the recorded files are automatically saved in the **VOICE** folder within the **RECORD** folder of the **MUSIC** menu. If the **VOICE** folder does not exist, the **VOICE** folder is automatically created.
- The recorded files are saved as **VOICE000**, **VOICE001**... in this order.
- You can create up to 1000 files (000 ~ 999).
- While recording, you cannot change the volume.
- While recording, face the microphone towards the audio source.
- When the memory is full, voice recording is automatically stopped.
- For procedures to configure the sound quality of voice, refer to page 51.

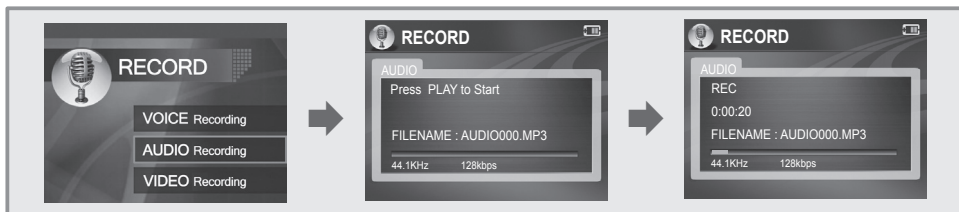
Recording Music

Since pressing the **RECORD** ● button during **MUSIC/VIDEO/RADIO/PHOTO** playback does not start recording, press the ■ button to move to the previous menu and to the main menu.

- 1 Connect the Line Out jack of the external audio equipment and the AV IN jack of the unit with the Line In cable.



- 2 Press the **RECORD** ● button on the left side of the unit.
- 3 Select **AUDIO Recording** using the **+ / -** buttons and press the **▶||** button to start music recording.
 - Press the **▶||** button to pause recording.
Press the **▶||** button once again to resume recording.
- 4 To stop recording, press the ■ button while recording voice.
 - This returns to the previous menu and saves the recorded voice as a file.



Note

- After recording, the recorded files are automatically saved in the **AUDIO** folder within the **RECORD** folder of the **MUSIC** menu. If the **AUDIO** folder does not exist, the **AUDIO** folder is automatically created.
- The recorded music is saved as an **MP3** file in the sequence of **AUDIO000**, **AUDIO001**, and so on.
- You can create up to 1000 files (000 ~ 999).
- While recording, the volume cannot be changed.
- When the memory is full, recording is automatically stopped.
- For procedures to configure the sound quality of audio, refer to page 51.

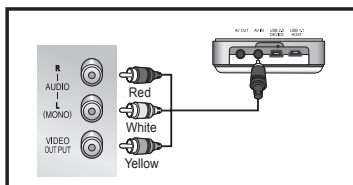
Notice

- When the remaining battery charge is too low, recording is not possible.
- Adjust the volume of the external audio equipment to an appropriate level before recording music. If the volume is too high or low, the sound quality of the recorded music may not be good.
- The supplied Line In cable can only be used to connect an external audio device for audio recording. Connect the white plug of  (4-pole) to AV In jack and connect the black plug of  (3-pole) to Line Out jack of an external audio device. If the jacks are not connected to the corresponding ports, recording will not properly be done.

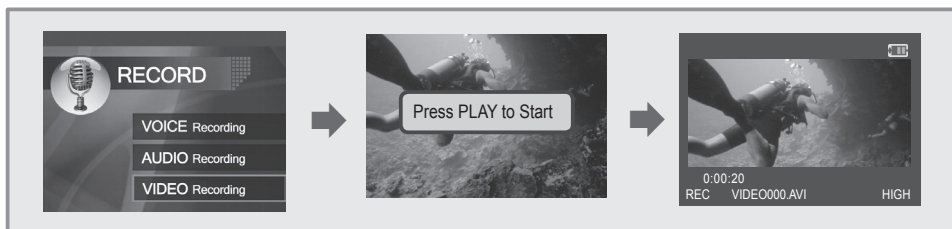
Encoding a Video

Since pressing the **RECORD** ● button during **MUSIC/VIDEO/RADIO/PHOTO** playback does not start recording, press the ■ button to move to the previous menu and to the main menu.

- 1 Connect the out ports (3 RCA ports) of external video equipment and the AV IN jack of the unit with the AV cable. (Yellow: Video, White: Audio (Left), Red: Audio (Right))



- 2 Press the **RECORD** ● button on the left side of the unit.
- 3 Select **VIDEO Recording** using the + / - buttons and press the ►► button to start video recording.
 - Press the ►► button to pause recording.
Press the ►► button once again to resume recording.
- 4 To stop recording, press the ■ button while recording voice.
 - This returns to the previous menu and saves the recorded voice as a file.



Note

- After recording, the recorded files are automatically saved in the VIDEO folder within the RECORD folder of the MOVIE menu. If the VIDEO folder does not exist, the VIDEO folder is automatically created.
- The recorded video is saved as an AVI file in the sequence of VIDEO000, VIDEO001, and so on.
- You can create up to 1000 files (000 ~ 999).
- While recording, the volume cannot be changed.
- When the memory is full, recording is automatically stopped.
- For procedures to configure the visual quality of video, refer to page 51.

Notice

- When the remaining battery charge is too low, recording is not possible.
It is recommended connecting the unit to the adapter when recording video.
- Adjust the volume of the external video equipment to an appropriate level before recording video.
If the volume is too high or low, the sound quality of the recorded video may not be good.

To Search for a Part during Playback (VIDEO/MUSIC/VOICE)

- To search for a part, press and hold the **⏮/⏭** buttons during playback.
- If you stop pressing the button, the file is played in normal speed.
- Pressing the **⏮/⏭** button briefly during video playback, starts a high speed search.
At the desired point, press the **⏸** or **⏭** buttons to play the file from that point.

To Search for a File during Playback (MUSIC/VOICE)

- To skip the current file and play the next file, press the **⏭** button once, briefly.
- If you briefly press the **⏮** button within 5 seconds of playback starting, the previous file is played.
- If you briefly press the button, the current file is played from the beginning.



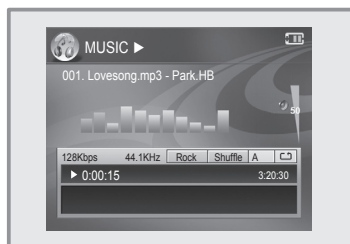
Note

- VBR (Variable Bit Rate) file: A file that has a dynamically changing compression rate according to the tune of the file.
- If the current file is a VBR file, pressing the **⏮** button within 5 seconds of playback starting may not play the previous file.
- MP2 or MP1 format files may not be played even if they have the MP3 extension.
- Video files with the AC3 or DTS audio format will not be played.

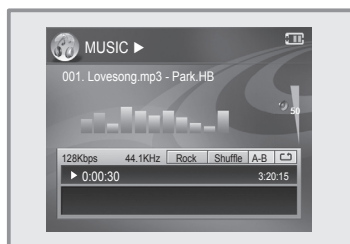
Configuring Repetition (MUSIC / VOICE)

You can only configure this in the MUSIC menu.

- 1 From the point where repetition is started, press the **A ► B** button while playing the file.
 - **A** is displayed on the Operating Display.



- 2 At the point where repetition is stopped, press the **A ► B** button again.
 - **A – B** is displayed on the Operating Display.
 - The configured section is repeated continuously.



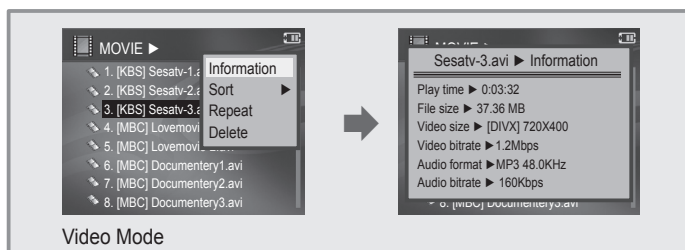
Note

- To cancel the configured repetition, press the **A ► B** button on the unit once again briefly.
- You cannot configure repetition for the last 10 second section of a music / voice file.

Viewing File Information (VIDEO / MUSIC / VOICE / PHOTO / FILES)

You can only configure this in the VIDEO/MUSIC/PHOTO/FILES menu.

- 1 Select a menu from the main menu using the ◀◀/▶▶ buttons and press the ▶| button.
 - The file list of the selected menu will be displayed.
- 2 Select a file to view information for using the + / - buttons.
- 3 Press the **MENU** button.
 - The sub-menu will be displayed.
- 4 Select **Information** using the + / - buttons and press the ▶| button.
 - The information will be displayed for about 3 seconds.



Note

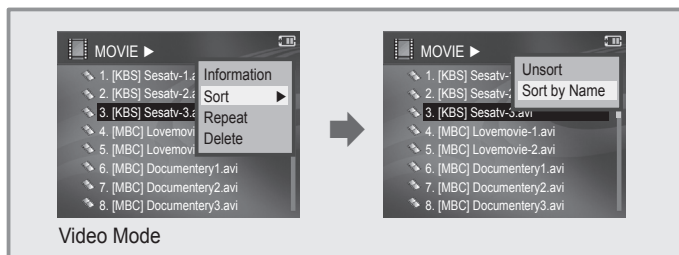
- You can file information during a video / music / voice / photo file playback, by pressing the **MENU** button, selecting **Information** and then pressing the ▶| button.
- You can view the information of the saved files by selecting **HDD** from the **FILES** menu.
- You can view information such as the Playing Time, File Size, Video Size, Video Bit Rate, Audio Format and Audio Bit Rate in the video information.
- You can view information such as the Playing Time, File Size, Title, Artist, Album and Year in the music information.
- You can view information such as the Photo Dimensions and the File Size for a photo file.
- You can also view the recorded (music / voice / video) file information.

Sorting Files (VIDEO / MUSIC / VOICE / PHOTO)

You can sort files in the VIDEO/MUSIC/PHOTO menu.

You can sort the file list by the name or the date registered.

- 1 Select a menu from the main menu using the ◀◀/▶▶ buttons and then press the ▶▶ button.
 - The file list of the selected menu will be displayed.
- 2 Select a file using the + / - buttons.
- 3 Press the **MENU** button.
 - The sub-menu will be displayed.
- 4 Select **Sort** using the + / - buttons and then press the ▶▶ button.
 - The sub-menu of the Sort menu will be displayed.
- 5 Select **Sort by Name** using the + / - buttons and then press the ▶▶ button.
 - The files are sorted on the basis of the file name.
 - Files whose names begin with A~Z appear first followed by files beginning with 0~9.
 - To cancel the sort operation, select **Unsort**.



Note

- You can also sort the files in the file list within the folder of the video / music / voice / photo menu.

Configuring the Playlist (MUSIC)

You can only configure this from the MUSIC menu.

To Add to the Playlist

- 1 Select **MUSIC** from the main menu using the **◀◀/▶▶** buttons and then press the **▶▶** button.
 - The MUSIC file list will be displayed.
- 2 Select a file using the **+** / **-** buttons.
- 3 Press the **MENU** button.
 - The sub-menu will be displayed.
- 4 Select the **Add to Playlist** using the **+** / **-** buttons and then press the **▶▶** button.
- 5 When registration is complete, the “**Added in playlist**” message will be displayed.
 - The file is added to the Playlist.



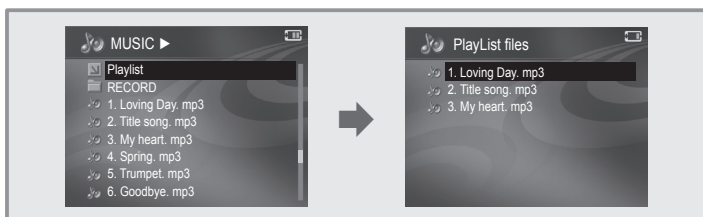
Note

- You can add the current music file to the playlist while playing the file by pressing the **MENU** button, selecting **Add to Playlist** using the **+** / **-** buttons and then pressing the **▶▶** button.
- Since the file added to the Playlist is a copy of the original file, the original file remains in its original location.
- You can also register recorded (music / voice) files to the playlist according to the procedures above.

Using the Playlist (MUSIC / VOICE)

To Play the Playlist

- 1 Select the **Playlist** using the + / - buttons and then press the ► button.
 - The configured Playlist will be displayed.
- 2 Select a file to play using the + / - buttons and then press the ► button.
 - The selected file is played.
- 3 Pressing the ■ button to stop playing the file and display the file list of the previous menu.
 - ◀◀ : Moves to the high-level folder or cancels a folder.
 - ▶▶ / ►► : Move to a sub folder, Enters the folder
 - + / - : Moves the folder or file in a directory.
 - : Plays the Playlist
 - You can move another folder according to the above procedures.



Note

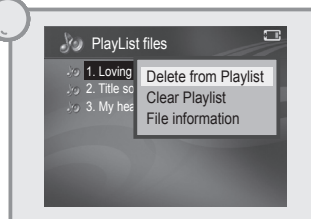
- When you enter a folder (RECORD or user-created folder) including recorded files in the MUSIC menu, the Playlist is displayed. You can play the Playlist immediately.

Using the Playlist (MUSIC / VOICE)

The Playlist provides the following functions.

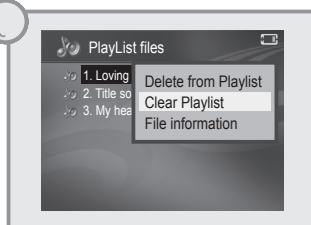
To Delete a File from the Playlist

- Select a file from the Playlist and then press the **MENU** button.
 - The sub-menu will be displayed.
- Select **Delete from the Playlist** using the + / - buttons and then press the **▶||** button.
 - The selected Playlist is deleted.



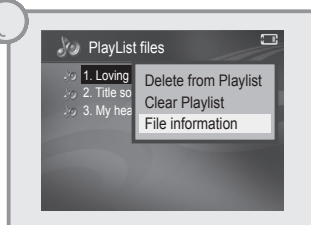
To Delete All Files in the Playlist

- Select the files from the Playlist and then press the **MENU** button.
 - The sub-menu will be displayed.
- Select **Clear Playlist** using the + / - buttons and then press the **▶||** button.
 - All saved Playlists are deleted.



To View File Information from the Playlist

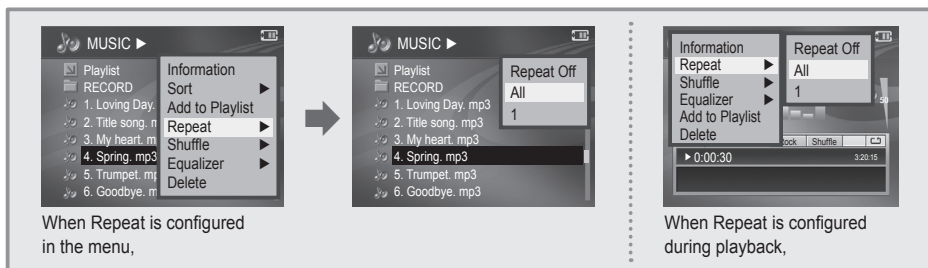
- Select the files from the Playlist and then press the **MENU** button.
 - The sub-menu will be displayed.
- Select **File information** using the + / - buttons and then press the **▶||** button.
- The Playing Time, File Size, Title, Artist, Album and Year information are displayed for about 3 seconds.



Configuring Play Mode (VIDEO / MUSIC / VOICE)

Configuring Repeat in the MUSIC Menu

- 1 Select **MUSIC** from the main menu using the **◀◀/▶▶** buttons and then press the **▶▶** button.
 - The MUSIC file list will be displayed.
- 2 Select a file using the **+ / -** buttons and then press the **MENU** button.
 - The sub menu will be displayed.
- 3 Select **Repeat** using the **+ / -** buttons and then press the **▶▶** button.
 - **When files within the folder are selected by All:**
All files within the folder are played repeatedly.
The Repeat operation is not applied to the files in the subfolders included in the folder.
 - **When you have selected all files in the file list of the MUSIC menu:**
Only files are played repeatedly.
 - **1:** Only the selected file is played repeatedly.
 - Select Repeat off to cancel the repetition configured by selecting All or 1.

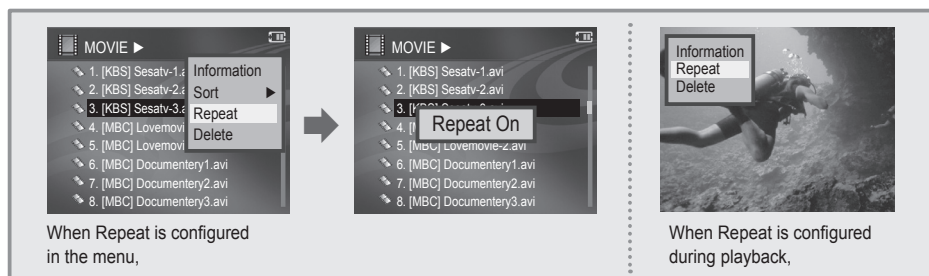


Note

- You can configure Repeat during music/voice file playback by pressing the **MENU** button and then selecting Repeat using the **+ / -** button.

Configuring Repeat in the VIDEO Menu

- 1 Select **VIDEO** from the main menu using the **◀◀/▶▶** buttons and then press the **▶▶** button.
 - The VIDEO file list will be displayed.
- 2 Select a file using the **+ / -** buttons and then press the **MENU** button.
 - The sub menu will be displayed.
- 3 Select **Repeat** using the **+ / -** buttons and then press the **▶▶** button.
 - The **Repeat On** message will be displayed.
 - To cancel, select Repeat again, and press the **▶▶** button.
The **Repeat Off** message will appear and Repeat is canceled.



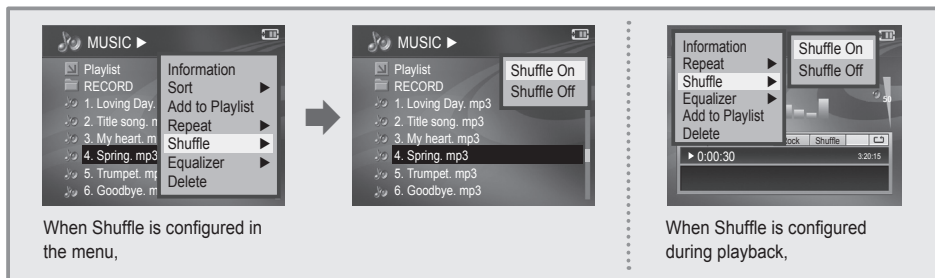
Note

- You can configure Repeat during video file playback by pressing the **MENU** button and then selecting **Repeat** using the **+ / -** buttons.
- When Repeat ON is configured, the video file is played repeatedly.
To play another file, stop the current video file and then play another file.

Configuring Play Mode (MUSIC / VOICE)

Shuffle Play

- 1 Select **MUSIC** from the main menu using the **◀◀/▶▶** buttons and then press the **▶▶** button.
 - The MUSIC file list will be displayed.
- 2 Select a file using the **+** / **-** buttons and then press the **MENU** button.
 - The sub menu will be displayed.
- 3 Select **Shuffle** using the **+** / **-** buttons and then press the **▶▶** button.
- 4 Select **Shuffle On** using the **+** / **-** buttons and then press the **▶▶** button.
 - To cancel, select **Shuffle Off**.



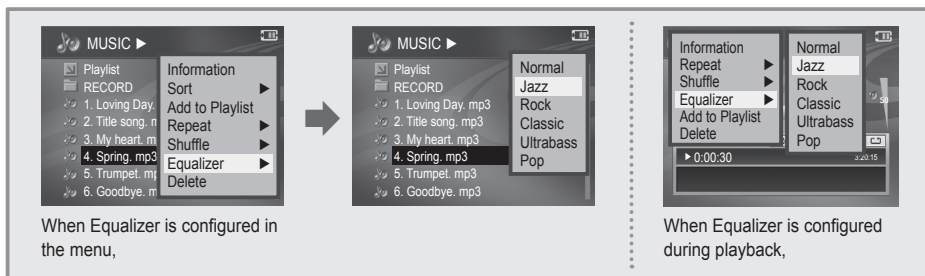
Note

- You can configure **Shuffle** during music/voice file playback by pressing the **MENU** button and then selecting **Shuffle** using the **+** / **-** buttons.
- If you select **Shuffle On** within a folder, only the files within the folder will be played in random order. The Shuffle operation is not applied to the subfolder files included in the folder.
- If you select **Shuffle On** for the files saved in the MUSIC menu, only the files within the MUSIC menu will be played in random order.

Configuring EQ

You can configure the EQ to select various sound effects.

- 1 Select **MUSIC** from the main menu using the ◀◀/▶▶ buttons and then press the ▶▶ button.
 - The MUSIC file list will be displayed.
- 2 Select a file using the + / – buttons and then press the **MENU** button.
 - The sub menu will be displayed.
- 3 Select **Equalizer** using the + / – buttons and then press the ▶▶ button.
- 4 Select **EQ** using the + / – buttons and then press the ▶▶ button.
 - You can select a sound effect.



Note

- You can configure the Equalizer during music/voice file playback by pressing the **MENU** button and then selecting Equalizer using the + / – buttons.

Configuring Play Mode (VIDEO / MUSIC / VOICE)

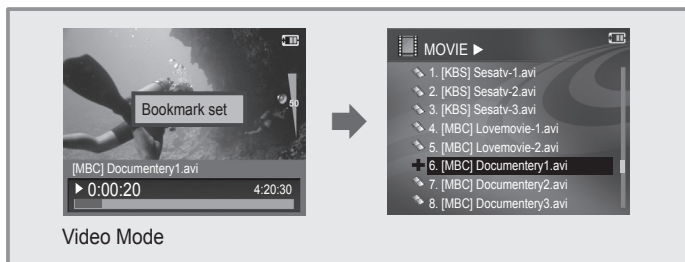
Configuring the Bookmarks While Playing a File

If you set a Bookmark, the file is played from the point when you play the file.

1 Press the RECORD ● button while playing a video, music or voice file.

- The **Bookmark set** message will be displayed on the screen.
- The Bookmarked files are marked by the + icon in the file list.

2 To cancel a Bookmark, play the Bookmarked file from the file list.



Note

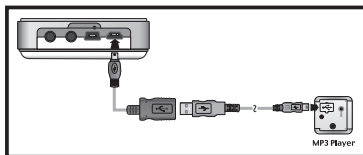
- You can set a Bookmark of up to 10 video files and 20 music files.

Managing Files

You can easily copy files saved on most USB devices (digital cameras, MP3 players, etc.) that support UMS (USB Mass Storage) using a USB host cable.

Using the USB Host Function

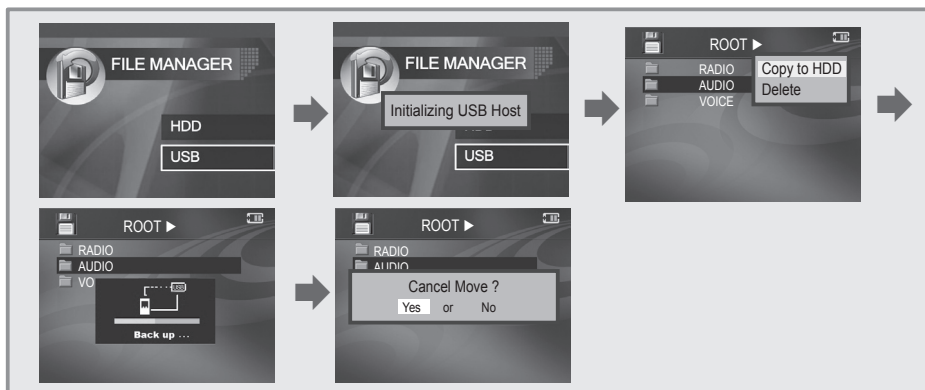
- 1 Connect the USB 1.1 cable to the port at the bottom of the unit and connect the external USB item with the USB 2.0 cable.



- 2 Select **FILES** from the main menu by using the **◀◀/▶▶** buttons and press the **▶▶** button.
- 3 Select **USB** using the **+ / -** buttons and then press the **▶▶** button.
 - The **Initializing USB Host** message appears and you can view the folders or files of the USB device connected with the PMP.
- 4 Select a file or folder using the **+ / -** buttons and press the **MENU** button.
- 5 Select **Copy to HDD** using the **+ / -** buttons and press the **▶▶** button.

The selected file or folder is copied to the HDD.

 - The file copying progress is displayed on the screen and the file or folder is copied onto the HDD.
 - A backup folder is automatically created on the HDD and the selected file or folder is copied to the **BACKUP** folder.
- 6 To cancel Backup the files, press the **■** button, select **Yes** by pressing the **◀◀/▶▶** button and then press the **▶▶** button.
 - To resume the operation, select **No**. The Backup will resume.



Note

- To play the backup files copied through the USB host, move the files to a playback folder. For the usage procedures, refer to the Copying a File and Moving a File sections.
- This product supports a file name or directory name up to 102 characters and a directory depth of up to 10.

Managing Files

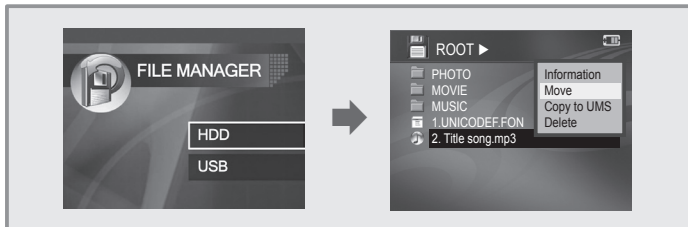
Moving a File

- 1 Select **FILES** from the main menu using the ◀◀/▶▶ buttons and press the ▶▶ button.
- 2 Select a **HDD** using the + / - buttons and press the ▶▶ button.
 - The data saved on the hard disk will be displayed.
- 3 Select a file or folder using the + / - buttons and press the **MENU** button.
- 4 Select **Move** using the + / - buttons and press the ▶▶ button.

The color of the selected file or folder turns red.

 - The red color represents the selected target file or folder.
- 5 Move to the folder to copy the files to and press the **MENU** button.

The selected files are copied to the selected folder.



Note

- In **FILES**, you can only view saved files and the hard disk drive but you cannot play the files.
- To play backup files copied through the USB host, first move the files to a playback folder.
- If a file is not moved to a playback folder, you cannot play the file even though you can view the file in the file list.
- Since the file move operation moves the original files to the specified destination, the original files do not remain in their original location.
- This product supports a file name or directory name up to 102 characters and a directory depth of up to 10.

Copying a File to an External USB Device

- 1 Connect the USB 1.1 cable to the port at the bottom of the unit and connect the external USB item with the USB 2.0 cable. (For procedures to connect, refer to page 41.)
- 2 Select **FILES** from the main menu using the **◀◀/▶▶** buttons and press the **▶▶** button.
- 3 Select a **HDD** using the **+ / -** buttons and press the **▶▶** button.
 - The data saved on the hard disk will be displayed.
- 4 Select a file or folder using the **+ / -** buttons and press the **MENU** button.
- 5 Select a **Copy to UMS** using the **+ / -** buttons and press the **▶▶** button.
 - The file copying progress is displayed on the screen and the file or folder is copied to the external USB device.
 - A folder named BACKUP is automatically created on the hard disk or flash memory of the external USB device and the selected file is copied to the created folder.
- 6 To cancel Backup the files, press the **■** button, select **Yes** by pressing the **◀◀/▶▶** button and then press the **▶▶** button.
 - To resume the operation, select **No**. The Backup will resume.



Note

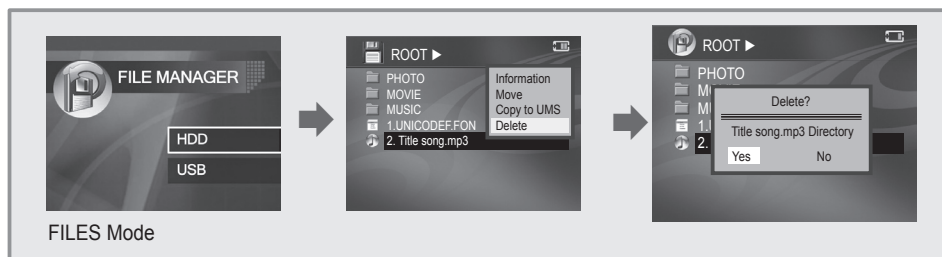
- In FILES, you can only view saved files and the hard disk drive but you cannot play the files.

Managing Files (VIDEO / MUSIC / PHOTO / FILES)

You can only configure this from the VIDEO, MUSIC, PHOTO, FILES menu.

Deleting a File

- 1 Select a menu from the main menu using the **◀◀/▶▶** buttons and then press the **▶▶** button.
 - The file list of the selected menu will be displayed.
 - **If you have selected FILES, select HDD using the + / - buttons and press the ▶▶ button.**
- 2 Select a file or folder to delete using the + / - buttons.
- 3 Press the **MENU** button.
 - The sub-menu will be displayed.
- 4 Select **Delete** using the + / - buttons and press the **▶▶** button.
- 5 Select **Yes** using the **◀◀/▶▶** buttons and press the **▶▶** button.
 - To not delete a file, select No.



Note

- You can delete a file during video / music / voice / photo file playback by pressing the **MENU** button and then selecting **Delete** using the + / - buttons.
- You cannot restore a deleted file.



Notice

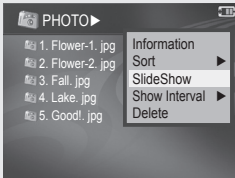
- Do not delete **UNICODE.FON** because it is used by the system.

Configuring a Photo File

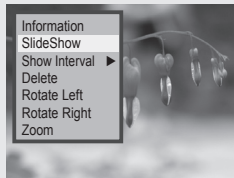
Configuring SlideShow

You can view a number of photo files using SlideShow.

- 1 Select **PHOTO** from the main menu using the ◀◀/▶▶ buttons and press the ▶▶ button.
 - The file list of the PHOTO menu will be displayed.
- 2 Select files using the + / - buttons and press the **MENU** button.
 - The sub-menu will be displayed.
- 3 Select **SlideShow** using the + / - buttons and press the ▶▶ button.
 - The selected files are displayed through SlideShow.
 - To cancel the SlideShow, press the ■ button.



When SlideShow is configured in the menu,



When SlideShow is configured during playback,



Note

- Even during photo file playback, you can activate SlideShow by pressing the **MENU** button.
- If you press the A ► B repetition button during file playback, the **Slide show ON** message appears and SlideShow is activated. If you press the A ► B repetition button once again, the **Slide show OFF** message appears and SlideShow is canceled.

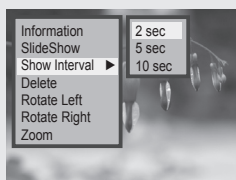
Configuring a Photo File

Configuring the SlideShow interval

- 1 Select **PHOTO** from the main menu using the **◀◀/▶▶** buttons and press the **▶▶** button.
 - The file list of the PHOTO menu will be displayed.
- 2 Select files using the **+ / -** buttons and press the **MENU** button.
 - The sub-menu will be displayed.
- 3 Select **Show Interval** using the **+ / -** buttons and press the **▶▶** button.
- 4 Configure the Time Setting using the **+ / -** buttons and then press the **▶▶** button.
 - Hereafter, during the SlideShow, slides are displayed at the configured interval.



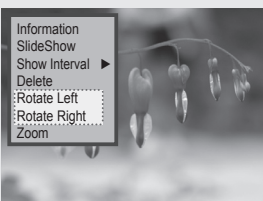
When the Show Interval is configured in the menu,



When the Show Interval is configured during playback,

Rotating a Photo File While Playing the File

- 1 Select **PHOTO** from the main menu using the **◀◀/▶▶** buttons and press the **▶▶** button.
 - The file list of the PHOTO menu will be displayed.
- 2 Select files using the **+ / -** buttons and press the **▶▶** button.
 - The file will be played.
- 3 Select the **MENU** button and select **Rotate Left** or **Rotate Right** by using the **+ / -** buttons.
- 4 Pressing the **▶▶** button after selecting a rotation direction changes the rotation direction.
 - Press the **▶▶** button once again to select the original direction.



Note

- Whenever you press the **RECORD** button, the file is rotated by 90°.

Zooming-in on a Photo File while Playing the File

- 1 Select **PHOTO** from the main menu using the **◀◀/▶▶** buttons and press the **▶▶** button.
 - The file list of the PHOTO menu will be displayed.
- 2 Select a file to zoom-in on using the **+ / -** buttons and press the **▶▶** button.
 - The file will be played.
- 3 Press the **MENU** button and select a zoom level using the **+ / -** buttons.
 - Alternatively, you can directly switch to Zoom mode by pressing the **▶▶** button.
- 4 Whenever you press the **▶▶** button, the zoom-in level is configured to X1, X2 and X4 respectively.
 - You can view a part of the zoomed-in photo file using the **◀◀/▶▶**, **+ / -** buttons.
 - To exit Zoom mode, press the **■** button.



Listening to FM Radio

Select **RADIO** from the main menu using the **◀◀/▶▶** buttons and press the **▶▶** button. The unit will be in Radio mode.

Since the earphones act as the antenna, connect the earphones before using.

To Manually Find a Channel

Press the **◀◀/▶▶** button briefly in Preset OFF status to manually find the frequency of a channel. Pressing the **▶▶** button for the Radio turns Preset Mode on or off as well as turning the green light of the Preset icon on or off on the screen.

To Find a Channel Automatically

Press and hold the **◀◀/▶▶** buttons for a while to search for a channel automatically.

To Save a Channel Manually

- 1 Find a channel using the **◀◀/▶▶** buttons and press the **MENU** button.
 - The menu screen will be displayed.
- 2 Select **Add to preset** using the **+ / -** buttons and press the **▶▶** button.
- 3 Select a preset number to save the channel using the **◀◀/▶▶** buttons and press the **▶▶** button.
 - The channel is saved to the preset number.

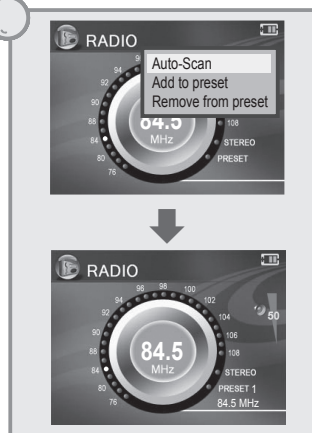


Note

- Even if there is a channel saved as a preset number, you can overwrite another channel for that preset number.

Saving a Channel Automatically

- 1 Press the **MENU** button.
 - The menu screen will be displayed.
- 2 Select **Auto-Scan** using the **+** / **-** buttons and press the **▶||** button.
- 3 This automatically searches the band between 87.5MHz and 108.0MHz line and saves the found channels.
 - If you use the Auto-Scan function, the found channels are saved from the preset number or 1.
 - The found channels are saved in the preset numbers 1 to 30.



Selecting a Saved Channel

- 1 Press the **▶||** button in FM mode.
 - The PRESET icon on the screen lights up green.
- 2 Select a channel by using the **◀◀** / **▶▶** buttons.



Deleting a Saved Channel

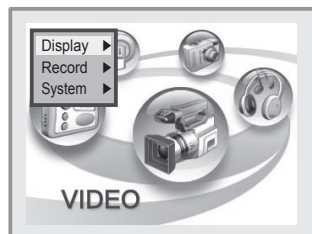
- 1 Press the **▶||** button in FM mode.
 - The PRESET icon on the screen lights up green.
- 2 Select a preset number to delete the saved channel using the **◀◀** / **▶▶** buttons and then press the **MENU** button.
- 3 Select **Remove from preset** using the **+** / **-** buttons and then press the **▶||** button.
 - The selected preset number will be cleared.



Configuring the Menu

Press the **MENU** button from the main menu. The menu screen will be displayed.
Select a menu using the **+** / **-** buttons and press the **▶▶** button.
Press the **■** button to return to the previous menu.

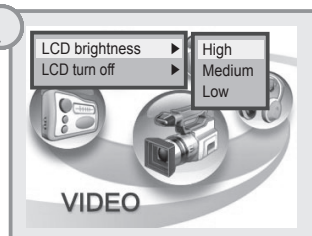
- **Display:** To configure the LCD screen display.
- **Record:** To configure the detailed recording function.
- **System:** To view or configure the system specifications.



Configuring the Display

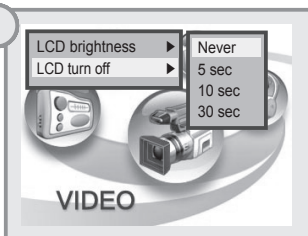
LCD brightness

- Select an **LCD brightness** by using the **+** / **-** buttons and press the **▶▶** button to apply the setting.
- You can select one from **High**, **Medium** or **Low** LCD brightness.



LCD turn off

- Select **LCD turn off** using the **+** / **-** buttons and configure it using the **▶▶** button.
- You can select **5**, **10** or **30** seconds for the LCD auto power off function.
- If you select **Never**, the LCD will not automatically turn off.
- While recording a video, music, photo (voice / video / audio) file and using the USB host function, the LCD will not turn off automatically.



Configuring Recording Mode

Voice recording

- Select **Voice recording** using the + / – buttons, select Quality and configure it using the ► button.
- You can select **High**, **Medium** or **Low** to determine the sound quality for Voice recording.

Audio recording

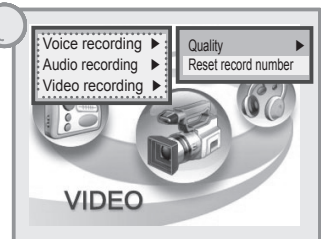
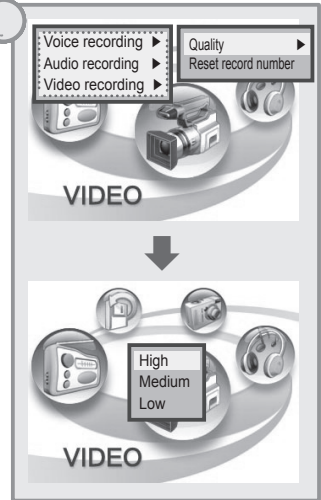
- Select **Audio recording** using the + / – buttons, select Quality and configure it using the ► button.
- You can select **High**, **Medium** or **Low** to determine the sound quality for Audio recording.

Video recording

- Select **Video recording** using the + / – buttons, select Quality and configure it using the ► button.
- You can select **High**, **Medium** or **Low** to determine the sound quality for Video recording.

Reset record number

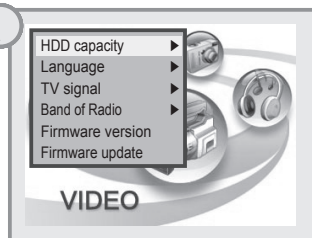
- If you select **Reset record number** in the recording mode settings, the recorded files are named sequentially from 000 to 155. When the recorded file name reaches 155, the subsequent recorded file is named 000.



Configuring the System Environment

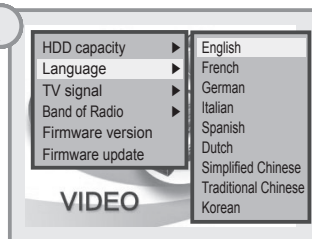
HDD capacity

- To view the HDD information, select the **HDD capacity** using the + / - buttons and press the ► button.
- Then you can view the total capacity and the usage of the current hard disk drive.



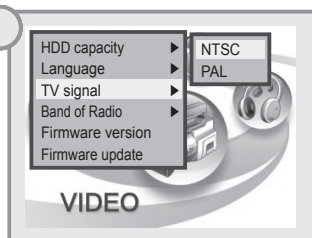
Language

- To configure the language, select **Language** using the + / - buttons and press the ► button.
- The product provides up to 9 languages (English, French, German, Italian, Spanish, Dutch, Simplified Chinese, Traditional Chinese, Korean).



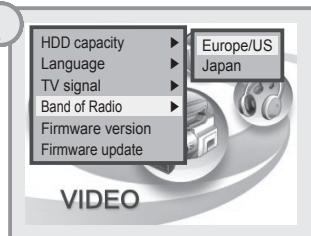
TV signal

- Select **TV signal** using the + / - buttons and configure it using the ► button.
- You can select either **NTSC** or **PAL** depending on your location.



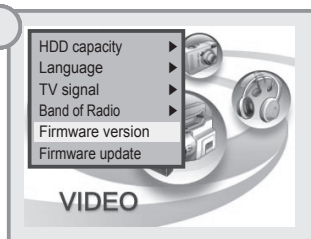
Band of Radio

- To configure the radio band, select **Band of Radio** using the + / - buttons and press the ► button.
- You can select Europe / US or Japan depending on your location.
- **Europe / US:** You can search for a channel in 100 KHz increments from the frequency range 87.5MHz to 108.0MHz.
- **Japan:** You can search for a channel in 100 KHz increments from the frequency range 76.0MHz to 108.0MHz.



Firmware version

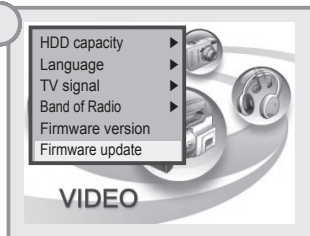
- Select the **Firmware version** using the + / - buttons and press the ► button.
- Then you can view the current version of the system firmware.



Configuring the System Environment

Firmware update

- You can upgrade the firmware according to the following procedures.

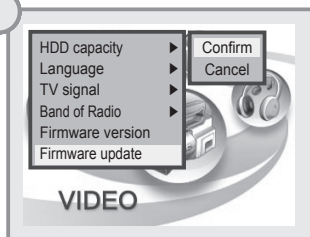


To Download a New Version of the Firmware

1. Please connect to the website written in the manual cover.
2. Download the file to upgrade the firmware.
 - Do not rename the file.

To Upgrade the Firmware

1. Before upgrading the firmware, connect the DC adapter.
2. Connect the unit and the computer using the USB cable.
(For the procedures to connect the USB cable, refer to page 13.)
3. Copy the downloaded firmware to the root directory.
4. Confirm that the file has been copied to the root directory and separate the USB cable from the unit to disconnect the USB connection with the computer. (For the procedures to separate the USB cable, refer to page 17.)
5. Select **Firmware Update** using the + / - buttons and press the **▶▶** button.
6. If you select Confirm, the firmware is upgraded. If the "No valid firmware" message appears, connect to the computer and check that the firmware files are in the root directory.
7. When the firmware upgrade is complete, the unit is automatically turned off. Turn the unit on and confirm the Firmware Version to determine whether the firmware has been successfully upgraded.



Troubleshooting

I cannot turn the unit on.

- Check whether the HOLD switch of the man body is in the HOLD position.
- Check whether the battery is sufficiently charged.
- Press and hold down Reset Hole for 3 seconds and then press the MENU button.

The AC adapter does not work.

- Check that the AC adapter is properly connected to the DC jack of the unit.

The remote control does not work.

- Check whether the HOLD switch of the remote control is in the HOLD position.
- Check whether the remote control is properly connected to the unit.

I hear noise when listening to the radio and I cannot locate channels.

- Try to move the product, the remote control and the earphones around until a better signal is received.
- Turn off appliances near the product. If this works, place the unit far from appliances when using the unit.

The TV screen 'wobbles' or displays abnormally.

- Which TV do you use?
- If Menu → Display → TV Out is configured to NTSC, the signal for NTSC TV is output and if it is configured to PAL, the signal for PAL TV is output. Check if the configuration is appropriate to your TV.

The Video or image file is displayed too small on the screen.

- This may happen when a video or image file is created in small screen resolution.

The video playback seems abnormal.

- The loading time for video playback may be longer than that of an MP3 or WMA file. This is normal because more data has to be loaded to play a video file than for an MP3 or WMA file.
- When playing unsupported video files, you can only hear sound or you can view the movie file without sound. Alternatively you may experience discontinuous screen or sound play. In this case, check your product specifications.
- The product only supports the MP3 audio format for video files. It does not support AC3 and DTS.
- A video file whose screen resolution is higher than the resolution specified by the product specifications may not be played.

Troubleshooting

I cannot see an image file.

- An image file that is not supported by the product specifications may not be displayed. Check the product specifications.

I cannot hear the sound or I hear noise.

- Check whether the volume is "0".
- Check that the earphones and the remote control are properly connected and whether there are alien substances on the plug. Alien substances on the plug may cause noise.
- Excessive impact or vibration while playing an MP3, WMA, ASF or AVI file may result in discontinuous play. Try again from a stable location.
- Since this unit uses a hard disk drive, excessive impact or vibration may generate noise. Try again from a stable location.

Strange characters appear on the LCD or the TV screen.

- Check that Menu → System → Language is properly configured.
- After you change the language, you have to turn it off and turn it on again to apply the configuration.
- Check whether the UNICODEF.FON file is included on the HDD. (See page 44.)

I cannot charge the battery.

- Check that the adapter is properly connected to the power outlet.
- A fully charged battery will not be charged any further.

Product Specifications

General Product Specifications

Item	Item	Product Specifications
Audio	Frequency Range	20Hz~20KHz
	Earphone Output	Left 20mW + Right 20mW [16Ω] for max volume
	Signal to Noise Ratio	90dB [MP3]
	Frequency Property	±3dB
	Number of Channels	Stereo [Left and Right]
Video	LCD 2.22 TFT	320 X 240 Color LCD
	Composite Output	NTSC/PAL
FM Radio	Frequency Range	87.5 MHz~108.0 MHz
	Signal to Noise Ratio	60dB
	Receiver Form [Antenna]	Earphone Antenna
Play Time	Video	With Earphone Output /LCD Brightness: 60 / Volume Level: 50 5 Hours [640X480@24fps, Audio: 128kbps/44.1KHz] 6 Hours [320X240@24fps, Audio: 128kbps/44.1KHz] Adjusting the volume to the maximum may decrease the playing time by about 1 hour.
	Audio	12 hours of play [MP3 128kbps/44.1KHz] with Earphone Output / LCD Off / Normal EQ / Volume Level: 50
Power Supply	AC Adapter	DC 5.0V, 2A
	Internal Battery	Lithium Polymer 2,100mAh
General	Product Size	About 118[W] X 65[D] X 20[H]mm
	Product Weight	About 185g
	Operation Temperature Range	0°C ~ 50°C
Supported Operating Systems	IBM-PC	Windows 98SE, ME, 2000, XP
	Interfaces	USB 2.0[Device] / USB 1.1[Host]
	File System	FAT32File System



Note

- The USB devices supported by the USB Host function include devices that satisfy the USB mass storage class specifications and support FAT12, 16, and 32. Although most devices satisfying the above requirements such as USB flash memory, Memory Card Readers, MP3 players, external HDD cases and digital cameras are supported, there may be some unsupported devices. For an external HDD, additional power is required.

Product Specifications

Play File Specifications

Item	Item	Product Specifications
Audio	File Format	MPEG1/2/2.5 Layer3, WMA, WAV(IMA ADPCM)
	Bit Rate	8kbps~320kbps, CBR & VBR
	Tag	ID3 V1, ID3 V2 2.0, ID3 V2 3.0
Video	File Format	AVI, MPG, MPEG
	Audio Format	MPEG1/2/2.5, Layer3
	Video Format	MPEG-1, MPEG-2, DivX3.1/4.xx/5.xx, Xvid, ISO MPEG-4 SP
	Video Bit Rate	Upto 4Mbps
	Audio Bit Rate	8kbps~192kbps
	Resolution	720x480 maximum
	Video Frame Rate	30fps maximum
	Caption	SMI Format
Video Recording	File Format	AVI
	Video Format	MPEG-4 Sp
	Audio Format	ADPCM
	Video Bit Rate	3Mbps
	Audio Bit Rate	128kbps
	Resolution	640x480
Image	File Format	Baseline(non-progressive) JPG, BMP(4, 8, 24bit) images
	Resolution	Upto 6mega pixels



Note

- The unit can play only WMA files with a compression rate of 48Kbps~192Kbps that can be created by Windows Media player (Ver 8.0). WMA files of less than 48Kbps cannot be played.
- Files using formats not supported by this product will not play unless they are converted using the Transcoder. You may experience unstable video playback even when playing files of a supported format. In this case, it is recommended converting the file using the supplied Transcoder.

FCC RF INTERFERENCE STATEMENT

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

WARRANTY

mobiBLU 20GB TFT LCD Portable Media Player LIMITED WARRANTY

HyunWon Inc. will repair or replace without charge, at its option, your product which proves to be defective in material or workmanship under normal use, during the warranty period listed below from the date of original purchase.

WARRANTY PERIOD

<u>MODEL#</u>	<u>LABOR</u>	<u>PARTS</u>
DVH-100	90days	1Year

No other express warranty is applicable to this product. The duration of any implied warranties, including the implied warranty of merchantability, is limited to the duration of the express warranty herein.

HyunWon Inc. shall not be liable for the loss of the use-of the product, inconvenience, loss or any other damages, direct or consequential, arising out of the use of, or inability to use, this product or for any breach of any express or implied warranty, including the implied warranty of merchantability applicable to this product.

Some states do not allow the exclusion or limitation of incidental consequential damages or limitations on how long an implied warranty lasts ; so these limitations or exclusions may not apply to you. This warranty gives you specific legal right and you may also have there rights which vary from state to state.

THE ABOVE WARRANTY DOES NOT APPLY :

- To damages or problems which result from delivery or improper installation
- To damages or problems which result from misuse, abuse, accident, alteration, or incorrect electrical current or voltage.
- To service calls, which do not involve defective workmanship or material, such as head cleaning and explaining the operation of the unit. Therefore, these costs are paid by the consumer.

CUSTOMER ASSISTANCE NUMBERS :

To prove warranty coverage : Retain your sales receipt to prove date of purchase.

Copy of your sales receipt must be submitted at the time warranty service is provided. Without receipt of proof of purchase, no warranty will be honored.

Service Assistance : Hyun Won Inc. 4th Floor, e-Venture Building 74-2, Shincheon 3-dong,
Dong-gu, Daegu City, Korea
TEL : +82 - 53 - 743 - 7200
FAX : +82 - 53 - 743 - 2112
Website at <http://www.mobiBLU.com>

Printed in Korea

