

ATMP-200

User Manual

Preliminary Edition



Thank you for purchasing our Product.
Please read this manual carefully before use.

We do not assume any responsibility for errors or omissions in this document or make any commitment to update the information contained herein.

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Operation Tips

- When battery indicator is blinking due to the low battery, Voice recording process may not be completed. Please stop voice recording if battery power is low.
- Only use the utility program provided with product when formatting flash memory.
- Dropping the player or dropping a heavy object on the player may result in damage or sound distortion.
- Batteries must be separated from the player when not used for long period.
- Frequent users are recommended to format the player from time to time.

INFORMATION TO THE USER

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

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

WARNING

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."

LABELLING REQUIREMENTS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.

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1. Product Overview

ATMP-200 make you play your favorite MP3 digital audio formats, records your voices, and preserve files which can be uploaded and downloaded from your PC.

- **State of art and compact design**

- **Plays best quality MP3 digital audio formats**

ATMP-200 supports 24bit audio DAC with full equalizer functions.

- **Voice Recording**

ATMP-200 supports voice recording and section repeat play mode.

- **Portable Disk Drive**

Full Plug and Play through USB cable is supported within Window 98/ME/2000/XP (Window 98 users must install driver provided in utility CD) operating system.

- **Graphic LCD Display Window**

ATMP-200 has 128x16 graphic LCD providing file information in English, Chinese and Korean.

- **Power saving circuit**

ATMP-200 playing time is extended using power saving circuit. One AAA(LR03 type) battery can play up to 11 hours (in mid-level playing).

2. Package Contents

- ATMP-200 MP3 Player
- Earphone
- AAA(LR03 type 1 EA)
- Utility CD
- User Manual
- USB Cable

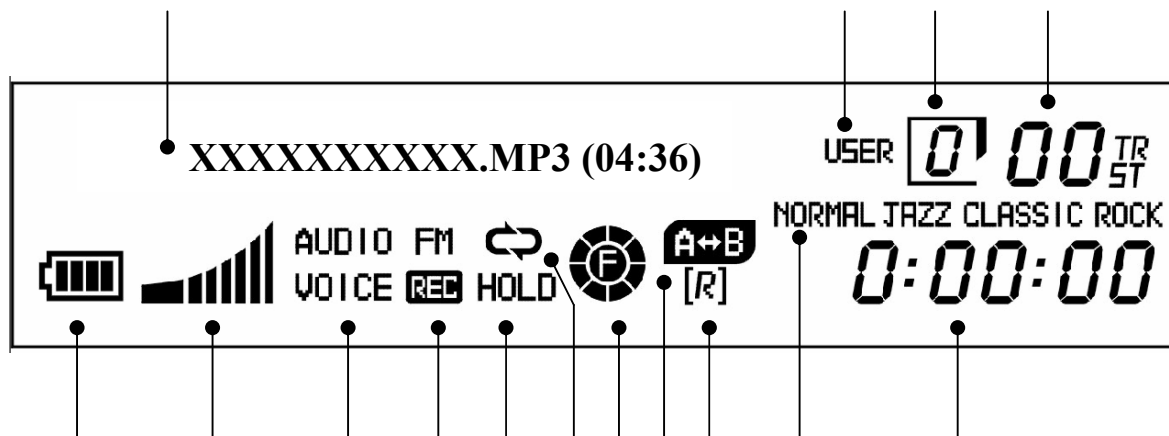
3. Functions

- Play MPEG1 / MPEG2 Layer-3 format files
- Voice Recording
- Portable Disk Drive
- On Board Flash Memory : 64MB or 128MB
- English, Chinese(GB2132 Code), Korean display
- Graphic LCD (Displays Title name, Artist Name, Play time, Battery indicator) / Sky Blue Color backlight
- Album (10 Albums: Album 0/Voice Album, Album 1, Album 2, Album 3 and Album 4 to Album 9)
- Intro Scan
- Resume
- Repeat play
- Section Repeat play
- Digital Volume Control
- Digital Tempo Control at Voice mode (Normal speed, Slow speed)
- Equalizer (Normal, Rock, Jazz, Classic, User [Bass, Treble])
- Automatic Power-Off
- Utility Program (Format Program, Window 98 Driver Program)

4. Specifications

Item	Contents
Bit Rate	MPEG1 / 2 Layer-3 Supports 32Kbps ~ 320Kbps and VBR
Memory	On Board Flash Memory : 64MB or 128MB Automatic Bad Block Management
PC Interface	Full speed USB data transmission with USB 1.1 Full Plug and Play USB
Portable Disk Drive	Window ME/2000/XP operating system Window 98 Driver program included in Utility CD
Audio S/N Ratio	95dB
Audio Output	6mW
Frequency Range	20Hz ~ 20KHz
LCD Display	128 x 16 Graphic LCD window (Title information display and Menus) Icon Display (Battery indicator, Volume, Mode, Album, Track, Play time, Repeat mode, Remaining memory status and Equalizer)
Key / Switch	7 Key (Play/Pause, Volume Up/down, Next/Previous, Record, Menu) 1 Switch (HOLD)
Language	English, Chinese(GB2132 Code), Korean
Battery type	1 x AAA (LR03 type) Max. 11 hours playing time (in Mid-level playing)
Size	80mm x 30mm x 15mm (L x W x T)
Weight	g (Battery not included)

5. LCD Display Window



Audio Information and Menu Display (128 x 16 Dot matrix Display)

User mode Equalizer Display

Album Number Display

Track Number Display

Battery Indicator Display

Volume Level Display

Audio / Voice Mode Display

Voice Recording Display

HOLD Display

Repeat Play Mode Display

Memory Indicator Display

Section Repeat Display

Random Repeat Play Display

Equalizer Display

Playing Time Display

Audio Information / Menu Display

Displays Menus, Title of Audio files, Artist name, file name of voice files and play time.

LCD display does not scroll when battery indicator is blinking.

User mode Equalizer mode display

Displays when User mode Equalizer is selected.

Album Number Display

Displays Album # which includes the playing audio file. 10 Albums including Root Album (Album 0) are

supported in the Audio mode and Voice mode uses only Root Album (Album 0) as a default Album.

Track Number Display

Displays Track# which indicates the file amounts within selected Album

Battery Indicator

As the battery power decreased, the cell block of the battery indicator will be decreased. Battery indicator will blink when battery has low power and the power will be off automatically after about 30 minutes.

Volume Level Indicator

Indicates the level of the volume.

Audio / Voice mode Indicator

Indicates Audio or Voice mode.

Display during Voice recording

Blinks while voice recording.

Hold Display

Displays when HOLD switch is on.

Repeat Play Display

Displays when Repeat play has been selected.

Remaining Memory Indicator

Indicates the remaining memory available.

As for 128MB model, 1 block indicates 16MB and for 64MB model, 1 block indicates 8MB.

Memory is not completely used unless LCD displays **MEMORY IS FULL** message.

Section Repeat Display

Displays when Section Repeat Play mode is active during Audio or Voice mode.

A<-> will appear when clicking **RECORD/A<->B** key once and it indicates the start point of section repeat period.

A<-> will be shown when clicking **RECORD/A<->B** key once more and it indicates the end point of section repeat period.

Random Repeat Play Display

Displays when Random Repeat Play has been selected

Equalizer Display

Displays when a Equalizer mode has been selected from MENU

Playing Time Display

Indicates total playing time of Audio or Voice files

6. KEY Controls

Audio Mode

KEY	Click	When Stop	When Playing
PLAY/PAUSE	Short Click	Start Play	Stop playing
	Long Click	Power Off	Intro Scan
FF	Short Click	Move to next Title	Play next Title
	Long Click	Fast move to next Title	Quick search play
REW	Short Click	Move to previous Title	Play previous Title
	Long Click	Fast move to previous Title	Quick search play
MENU		Enter MENU mode	Enter MENU mode
VOLUME +	Short Click	Volume up	Volume up
	Long Click	Fast Volume up	Fast Volume up
VOLUME -	Short Click	Volume down	Volume down
	Long Click	Fast Volume down	Fast Volume down
RECORD/A<->B		Start voice recording	Section repeat start / End

Short Click : within 1 second

Long Click : more than 2 seconds

Voice Mode

KEY	Click	When Stop	When Playing	When recording
PLAY/PAUSE	Short Click	Start Play	Stop playing	
	Long Click	Power Off	Intro Scan	
FF	Short Click	Move to next voice file	Play next voice file	
	Long Click	Fast move to next voice file	Quick search play	
REW	Short Click	Move to previous voice file	Play previous voice file	
	Long Click	Fast move to previous voice file	Quick search play	
MENU		Enter MENU mode	Enter MENU mode	
VOLUME +	Short Click	Volume up	Volume up	
	Long Click	Fast volume up	Fast volume up	
VOLUME -	Short Click	Volume down	Volume down	
	Long Click	Fast volume down	Fast volume down	

RECORD/A<- >B		Start voice recording	Section repeat Start / End	End voice recording
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Menu Mode

KEY	Normal Mode	Menu Mode
MENU	Enter MENU mode	Select MENU
VOLUME +		Move to Right MENU
VOLUME -		Move to Left MENU
PLAY/PAUSE		Cancel MENU mode
FF		Increase Value (User EQ mode)
REW		Decrease Value (User EQ mode)

7. Menus

Audio Mode

- If click **MENU** key, display MENU as below

Menu **MP3** Voice

MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

- If selecting MP3, display MENU as below.

MP3 **Album** Repeat EQ Erase Scroll 

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

If selecting , move to previous MENU mode

- If selecting Album, display MENU as below

Album **0** 1 2 3 4 All 

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

Selected Album displays as “_”. To cancel, press **MENU** and “_” disappear.

Selecting All to cancel all the album, will cancel Album 1 to 4.

If deselecting Album 4, Album 5 to Album 9 are also deselected.

- Selecting Repeat

Repeat **No** Random One All 

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

No : Plays all the files within selected Albums once and stop.

Random : Continuously and randomly plays all the files within selected Albums.

One : Continuously plays only the selected audio file.

All : Plays all the files in the selected Albums continuously.

- Selecting EQ

EQ **Normal** Rock Jazz Classic User ↑

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

- Selecting User

User **Bass** Treble ↑

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

- Selecting Bass

Bass **Bass = 00** ↑

MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

FF/REW : Change and set Value

- Selecting Treble

Treble **Treble = 00** ↑

MENU : Select

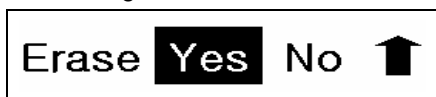
VOLUME +/- : Move

PLAY/PAUSE : Cancel

FF/REW : Change and set Value

Bass and Treble level can be set from level 00 to +10 with **FF/REW** key.

- Selecting Erase



MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

Selecting YES will delete the audio file displayed on the LCD.

If the file was deleted at Play mode, the next audio file will appear and play immediately.

- Selecting Scroll.



MENU : Select

VOLUME +/- : Move

PLAY/PAUSE : Cancel

FF/REW : Change and set Value

Scroll speed of the file displayed on the LCD can be set by **FF/REW** key from level 05 to 10.

Scroll speed is slowest at 10 and default value is 05.

Voice Mode

- If click **MENU**, display MENU as below



MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

- If selecting Voice, display MENU as below.



MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

If selecting , move to previous MENU mode

- Selecting Repeat.

Repeat **No** One All ↑

MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

No : Plays all the voice files in the Album 0 (Voice Album) once and stop.

One : Plays selected voice file continuously.

All : Plays all the voice files in Album 0 (Voice Album) continuously.

- Selecting Erase

Erase **Yes** No ↑

MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

Selecting YES will delete voice file on the LCD.

If delete during play, next file will be played.

- Selecting Tempo

Tempo **1** 1/2 ↑

MENU : Select

VOLUME + / - : Move

PLAY/PAUSE : Cancel

Tempo function is used to control playing speed.

Value 1 is normal speed and value 1/2 will play at slow speed.

8. Operations

• Battery

- ATMP-200 uses only one 1.5V AAA(LR03 type) battery. As the battery power decreased, cell block of the battery indicator will be decreased.
- Power must be turned off when changing the battery.
- Icon will blink if the battery level is low. Voice recording and scrolling on the LCD will stop at this situation and the power will be turned off automatically after about 30minutes.

• Power On

Pressing **PLAY/PAUSE** key will turn the Power on and enter play mode

• Power Off

Press **PLAY/PAUSE** key for more than 2 seconds when Play mode stops. Also, power will be turned off automatically if Play mode stops for more than 30 seconds.

• Menu

ATMP-200 supports Audio and Voice mode. Press **MENU** key and press **VOLUME +** or **VOLUME -** to select modes

• Play and Pause

- Press **PLAY/PAUSE** key to play, and press **PLAY/PAUSE** key during the play will pause.
- Player will only play the files in the selected Albums. Player will only recognize 10 directories including root directory as its Albums even if you make more than 10 directories in your.
- For the Voice mode, Album 0 (Root Album) is the default Album.
- Resume function will enable player to play from where it left off.

• Erase

To erase Audio or Voice file, select erase mode during play / pause. Player can only erase the Audio file or Voice file within selected Albums

• Skip

- Pressing **FF** key or **REW** key during Play/Stop will skip to the next or previous files. During Play, pressing these keys will play next or pervious files. Pressing **FF** or **REW** key for long time will enable to track the file rapidly.

- Skipping the Audio files can only be made within selected Albums.

- **Volume**

Pressing **VOLUME+** key or **VOLUME-** key will control the volume.

Pressing keys for long time will change volume rapidly.

- **Section Repeat(A<->B)**

- Press **RECORD/A<->B** key during play to set start point. **A<->** is shown on the LCD. Press **RECORD/A<->B** key again to set end point. **A<->B** is shown on the LCD.

- Press **RECORD/A<->B** key or **FF / REW** key to cancel section repeat function. **A<->B** disappears on the LCD.

- **Intro Scan**

- Press **PLAY/PAUSE** key for more than 2 seconds during play to start INTRO SCAN function. Press **PLAY/PAUSE** key again to cancel INTRO SCAN function.

- INTRO SCAN for audio files will be available within selected Albums.

- **HOLD**

HOLD switch at ON will lock all the keys.

Pressing PLAY/PAUSE key during HOLD will turn the power on.

- **Voice Recording**

- At stop, Press **RECORD/A<->B** key to start voice recording. **REC** icon will blink on LCD during voice recording. To stop voice recording, press **RECORD/A<->B** key.

- Voice files will be saved in Album 0 (Voice Album) and will be saved as VOICExxxVOC (xxx is serial number). To play the voice files, press **PLAY/PAUSE** key

- Voice recording is not possible when battery is low (battery indicator blinking)

9. PC connection

ATMP-200 supports Full Plug and Play USB to connect to PC to upload and down load from PC under Window98/ME/2000/XP operating systems.

Window 98 Driver Installation

- Window 98 Driver program under Utility CD

이름	크기	종류	수정한 날짜
98Install.bat	1KB	MS-DOS 배치 파일	2002-05-0...
98UnInstall.bat	1KB	MS-DOS 배치 파일	2002-05-0...
DrvSetup.exe	208KB	응용 프로그램	2002-09-0...
MeInstall.bat	1KB	MS-DOS 배치 파일	2002-05-0...
MeUnInstall.bat	1KB	MS-DOS 배치 파일	2002-05-0...
Readme.txt	1KB	텍스트 문서	2002-07-3...
UMSSFDIK.INF	2KB	설치 정보	2002-08-2...
UMSSFDIK.SYS	19KB	시스템 파일	2002-08-2...
UMSSPDRF.pdr	10KB	PDR 파일	2002-09-1...

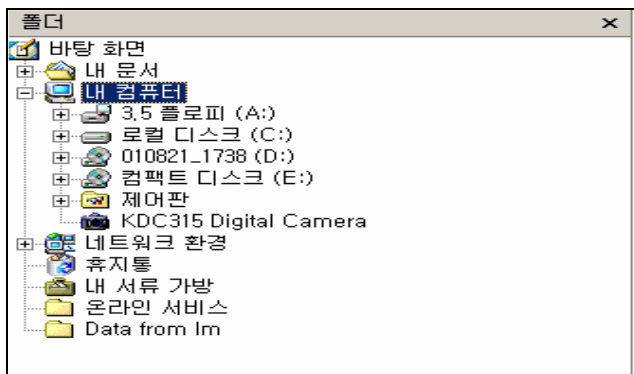
- Installation
 - option 1
Set DrvSetup.exe and click "98Driver Install" button
 - option 2
Operate with switch /98Install /98UnInstall
Click "START" button in Window OS and click "EXECUTE" button
Start DrvSetup.exe with /98Install or /98UnInstall switch

Freedik.inf, Feedik.sys and Fdikpdr.pdr must be in the same directory with DrvSetup.exe

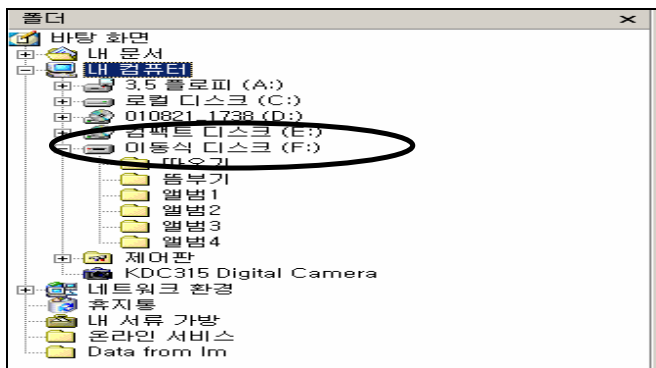
ATMP-200 supports Full Plug Play USB to connect to PC to upload and download from PC (Window98/ME/2000/XP).

Example of Window ME OS

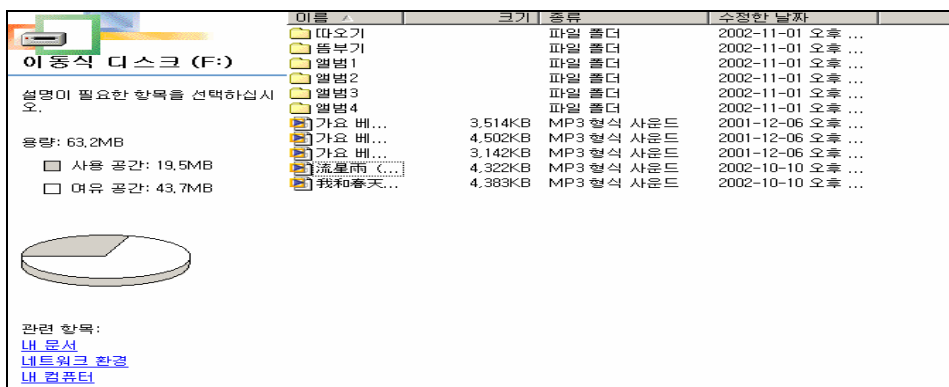
Opening Window.



Portable Disk Drive Folder will appear upon connection.



Sub-directories of the ATMP-200 upon connection.



Copy, move, delete can be made upon connection.

10 Albums can be selected including root directory with audio files.

Disconnect ATMP-200 from PC

Window 98 : All function stopped before disconnection

Window ME/2000/XP : Click device off at the bottom right of the windows display

MAC : Put it into litter box moving icon

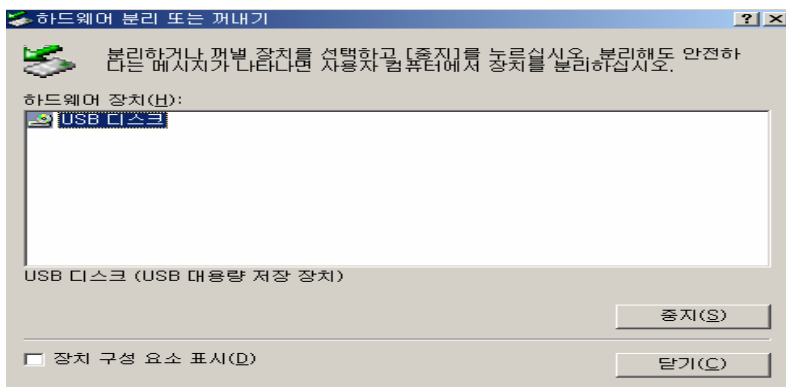
Linux : execute "unmount" command

Example of Window ME

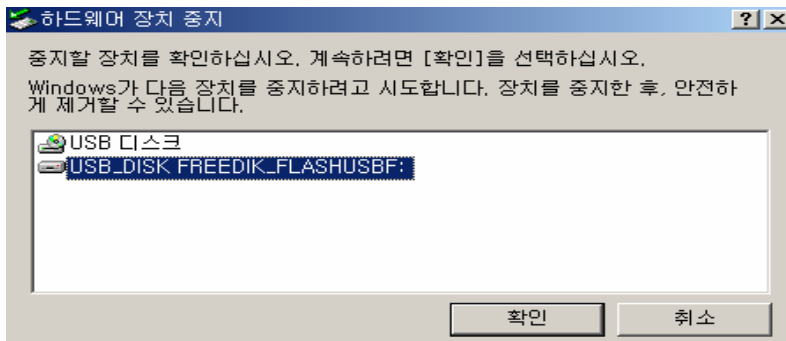
Click "Hardware Disconnect" or "Open" icon in Windows display



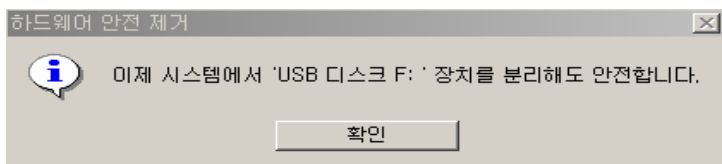
Displays as below



Press "Stop" button, then displays as below



Click "Yes" to disconnect ATMP-200 from PC, then displays as below

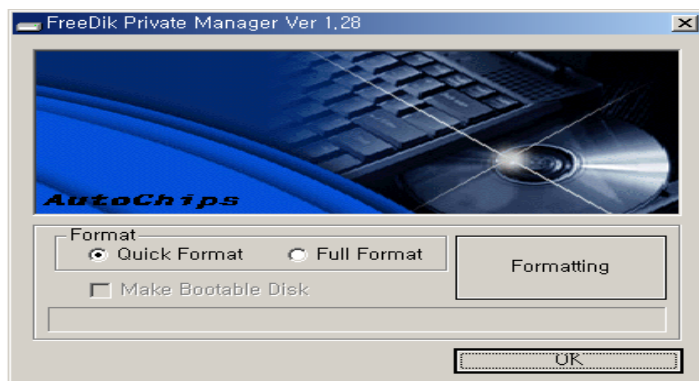


Click “Yes” button to complete the disconnection.

11. Utility Program

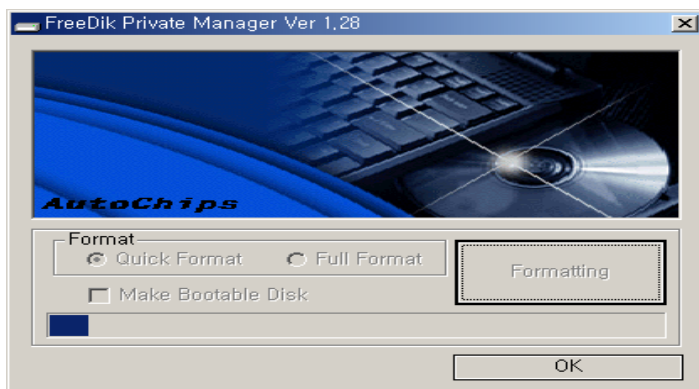
Use Utility Program to format Flash Memory of ATMP-200

Connect ATMP-200 with PC and click Manager.exe in Utility Program.



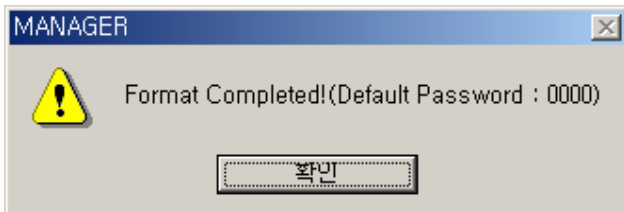
If ATMP-200 is not connected, error message will appear and program will be closed

Select “Quick Format” or “Full Format” and click “Formatting” button



“Full Format” will take longer time

Click "Yes".



Always use Utility program provided with ATMP-200 when formatting Flash Memory in the player.
Do not use password function provided in ATMP-200 when using as Audio Player

12. Trouble shooting and Precautions

Trouble Shooting

No Power

Check whether the battery have been inserted in properly.
Check the voltage of the batteries.
Separate the battery from the player and then insert again.

No sound from earphone

Check whether Volume level is set to 0
Connect the earphone plug firmly.
Check whether plug is dirty
Corrupted MP3 files may make a static noise and the sound may cut off. Check your files on the PC to see if they are corrupted.

No connection with PC

Check the connection between your PC and the player to ensure that the cable is secure.
Connect the player after rebooting your PC

“Flash Not Found” or “Code Not Found” message on display when power-on

Check whether USB cable is operating correctly when connected to your PC.

Format the player with Utility Program provided with the player.

Please contact us if the errors continue.

Precautions

- 1) Vibration experienced during walking or exercising will not affect the player. However, dropping the player or dropping a heavy object on the player may result in damage or sound distortion.
- 2) Avoid spilling any liquid on to or into the player.
- 3) Do not leave the player in a location near heat resources or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, or in a car with the windows closed during excessive heat.
- 4) Take out the batteries when not in use for long period of time
- 5) Please use the Utility Program provided when formatting the player
- 6) Do not discompose the player
- 7) Do not use headphones/earphones while driving, cycling or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volumes while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue to use in potentially hazardous situations.
- 8) Avoid using headphones at high volume. Hearing experts advising against continuously loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue to use.
- 9) Keep the volume at a moderate level. This will allow you to hear outside sound and to be considerate of the people around you.
- 10) Please insert battery again after separation from the player when static electricity caused LCD display off.