



FCC Information

This equipment has been tested and found to comply with 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 radiates 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 unacceptable 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.

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

Canadian Radio Interference Regulations

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.



Certificated Of Conformity

1. Company : AMAC TEK CO.,LTD
3rd Floor, Seyo Bldg, 161-8,
Samsung -Dong, Kangnam-Gu,
Seoul. Korea. 135-881
2. Product Name : Hansori (MP3 digital audio player)
3. Model No : HAN-250UEF



4. FCC Compliance Statement:

This device complies with part 15 of 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.

Caution : Any changes or modifications in construction of this device which are not device expressly approved
by the party responsible for compliance could void the user's authority to operate the equipment



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HAN-250UEF

Setting MODE

♦ MP3 MODE

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Introduction of HAN-250UEF



■ Perfect Digital Sound! **amac**
Let's enjoy the Dynamic digital MP3 sound!

MP3 Player stores downloaded MP3 files at internet by PC into memory without separate Cassette tape/CD or directly recording MP3 files from Audio equipment such as general CD player, Cassette tape and etc. You can listen to music of CD tone quality anytime anywhere.



Features

1. Dynamic sound of high quality

Since it is possible to playback with clean tone quality of same level as CD, You can experience rich tone of high quality close to original sound.

2. Voice Recording

Since Voice Recording is to be made anytime anywhere, it is possible to use for learning by recording lectures of a school or academy. It is also able to record simply conversation with friends and contents to remember. It is to record for max 8 hours (128MB/32Kbps base).

3. Direct Encoding

It is to transform and store sound signals output from all audio equipment (Cassette deck, TV, CDP, etc.) directly into MP3 file without PC.

This function is to store and playback directly as MP3 file through Audio equipment and Audio cable without PC.

4. FM Radio receiving and recording

It is possible for real time storage as MP3 file as well as FM Radio receiving.

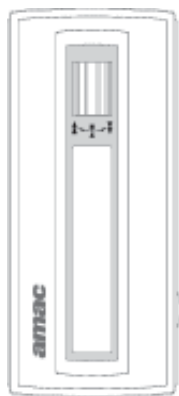
It allows for user to record wanted contents of broadcasting (News, Sport relay, FM radio, music) on real time and listen again anytime.

HAN-250UEF

03



Enclosures



HAN-250UEF



Batteries(AAA Type)



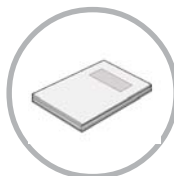
Earphone



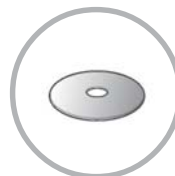
USB Cable & Audio Cable



Necklace



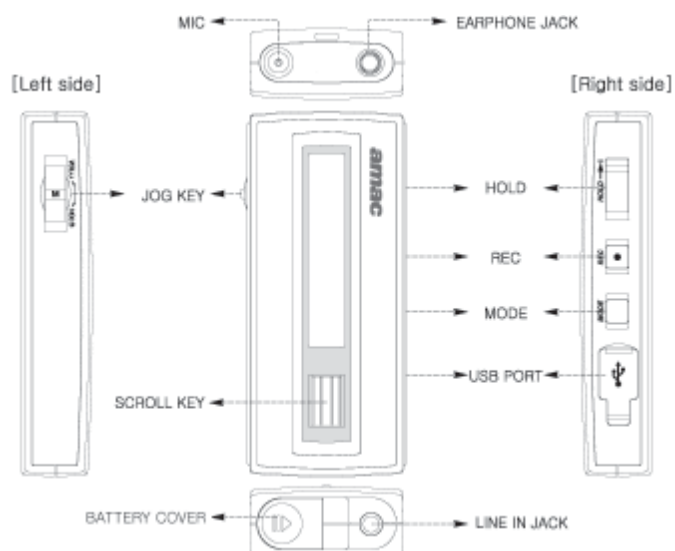
Manual



Install CD



Configuration



HAN-250UEF

04

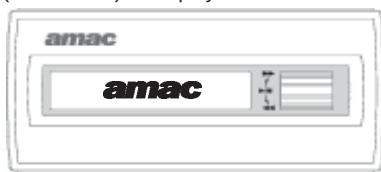


Listening to sample songs

※ HAN-250UEF has MP3 sample files stored in the factory.

1. Power On

Press SCROLL KEY for some seconds. Then, power is switched on and 'LOGO (User Name)' is displayed on the LCD.



- Press HOLD button. Then, HOLD ON is displayed and power is not switched on.

* Refer to page 20 for changing Power On Logo(User Name).

2. Listening to sample Songs

Press SCROLL KEY, and you can listen to the stored sample songs.

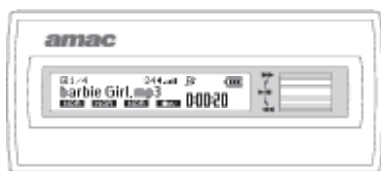


- Turn up SCROLL KEY for next music, down SCROLL KEY for prior music.



3. Volume control

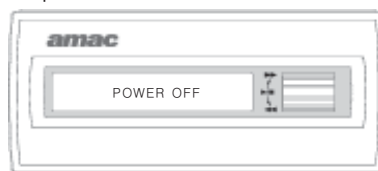
Turn JOG KEY to left side, then volume is increased and turn JOG KEY to right side, then volume is decreased.



- You can control volume in the range of 00~30.

4. Stop / Power-off

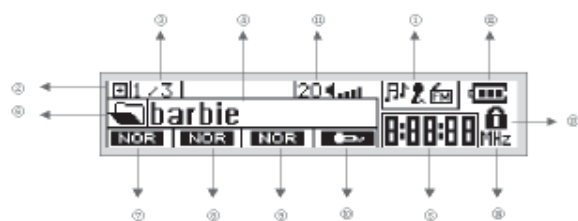
Press SCROLL KEY, and your player stops playing. Press SCROLL KEY for two or more seconds while the player does not play. Then, the power is switched off.



- If you do not press any buttons for one or more minutes while the player does not play, the power is automatically switched off.



LCD display



- | | |
|---|---------------------------------------|
| ① Present MODE indication
(MP3, VOICE, FM Radio) | ⑧ Indicates the set REPEAT mode. |
| ② Present Folder position indication | ⑨ Indicates playing speed |
| ③ Indication of present folder and music numbers in file. | ⑩ Indication of record setting MODE |
| ④ Indication of present chosen file and folder title. | ⑪ Indicates the volume level. (00~30) |
| ⑤ Indication of File playback time and frequency | ⑫ Indicates the battery life. |
| ⑥ Folder Indication | ⑬ Indicates that HOLD mode is active. |
| ⑦ Indicates the set EQ mode. | ⑭ Frequency Unit Indication |



Installation of Download Program

* For program installation, the PC requirements are as follows:

- ◆ Windows98/Me/2000/XP
- ◆ USB Port-supportable PC
- ◆ CD-ROM drive
- ◆ 500MB or more available space of hard disk

Installation of download Program

At first, download program should be installed into your PC in order to download MP3 files from PC to MP3 Player.

- 1) Insert the CD into CD-Rom drive, then Windows shown below are displayed when installation is initiated.
- 2) Press "Next"- "Next" button in the order.



- 3) Press [Enter] button after typing 20 digits program key, and reboot your PC. Then, the program is successfully installed.



- * Please pay your attention to loss of Program Key since reissue is not possible. It may take over one minute to install TTS Program at the same time.
- * If TTS PROGRAM-KEY is not entered correctly, you can not use TTS function in PC program.

- 4) The installation makes the following icon. Check whether or not the 'Han250UEF Manager' icon exists on the windows background screen.

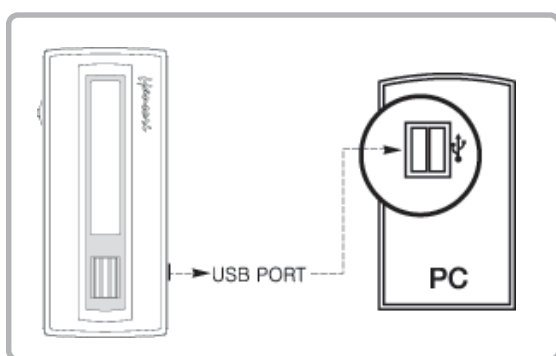


Han250UEF
Manager



Connecting PC to MP3 Player

※ To download MP3 files from PC to HAN-250UEF, connect the provided USB cable between PC and MP3 Player.



["USB CONNECT" indication of LCD]

HAN-250UEF

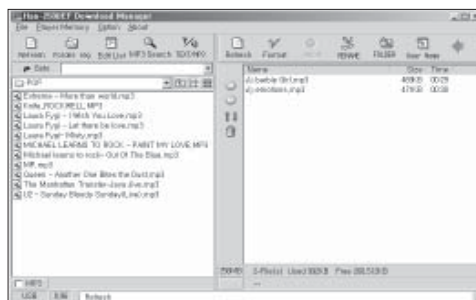
10



Executing Download Program

Executing Manager

Double-click on the HAN-250UEF Manager icon on Windows background screen, and the following window appears on the screen.

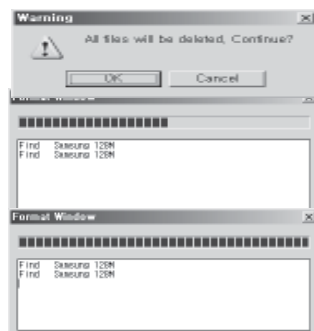


- ① Program menu
- ② Explorer menu
- ③ Explorer information
- ④ Player/program status information
- ⑤ Memory menu
- ⑥ Downloading & Uploading, Changing file sequence, Deletion of files
- ⑦ Memory information



Formatting Memories

※ You had better format the memories when you could not store the files or download slowly.



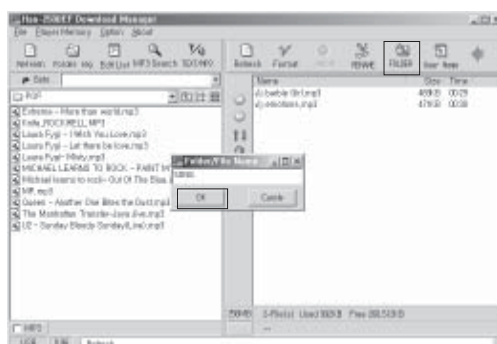
- ① Click on the Format icon at the upper right corner, and the following window appears on the screen.
- ② The format starts after press the [OK] button.
- ③ After Format, Format window is automatically closed.



Folder Creation

* Execute download program after connecting PC with MP3 Player making use of USB cable.

You can create new folder with your preference, and download the files into each folder.



1. Press FOLDER icon in the upper right side, then side window is appeared.
2. Enter new Folder name.
3. Click Enter button or Input after entering Folder name, folder creation is finished.



Searching for stored MP3 files

* Execute download program after connecting PC with MP3 Player making use of USB cable.

This function is searching for stored MP3 files.

- 1) Press 'MP3 Search' icon  in the upper of left side in download program.



- 2) Press 'Search' icon in the upper of left side in download program.
then all MP3 files in the nominated drive will be checked as shown below.



* If MP3 files are not found after checking all hard drivers that means there is no MP3 file in PC.



Downloading / Uploading MP3 files

* Execute download program after connecting PC with MP3 Player making use of USB cable.

Downloading

You can download MP3 files from your PC to this MP3 player.

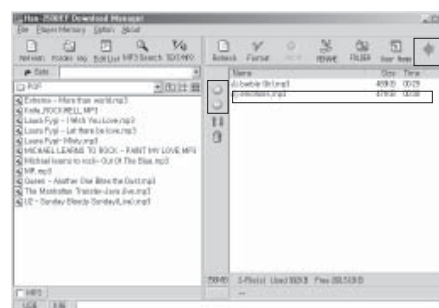
- ※ Select one or more files in the left side of window, and press  Button.

Uploading

On the contrary, you can upload MP3 files from MP3 PLAAZER to PC.

- ※ Select one or more files in the right side of window, and press  button.

[Download /upload]



When you want to download MP3 file in the folder created by user, double click the folder of memory window in the right side and select files (double selection possible) of Finder window in the left side and then press  button.

For returning to prior phase after downloading MP3 file in the folder, press  button in the upper of right side in download program.



Folder Download/Upload (Available soon)

* Execute download program after connecting PC with MP3 Player making use of USB cable.

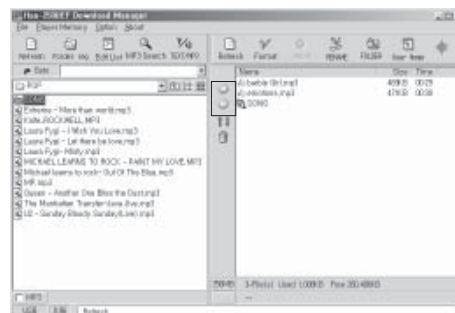
* MP3 files stored in computer as a folder is to be downloaded into MP3 Player as per each folder and files stored in the folder created by user is to be uploaded into computer as per each holder.

Downloading

After connecting PC with MP3 Player by USB cable, select the wanted folder in the left finder window and then press  button.

Uploading

After selecting folder to be uploaded in the right memory window, then press  button.

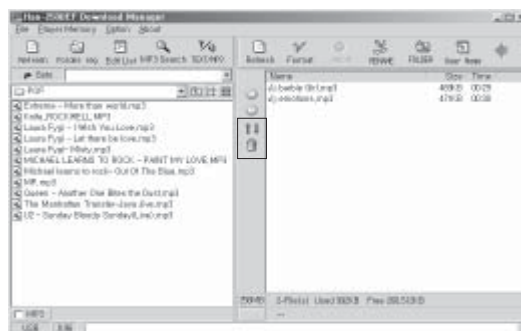




Changing a sequence and deleting stored files

※ Connect USB cable between PC and MP3 player, and execute the download program.

After selecting a file, you can change a sequence of files by pressing **↑↓** buttons.
To delete a file, select the file and click on **🗑️** the button.



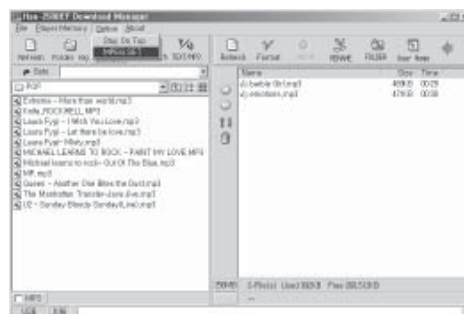


Setting MPEG

* Execute download program after connecting PC with MP3 Player making use of USB cable.

* You can set up MPEG (MPEG1, MPEG2) and BITRATE of files being stored at the time of FM and DIRECT ENCODING.

It is a function to decide the tone quality stored in MP3 Player at the time of Recording. Its installation method is to select 'MPEG SET' after clicking [Option] in the upper menu of download program, then set up window is appeared.



At this time press Set button after selecting MPEG and BITRATE to be recorded, then set up is finished. The sound becomes better as numbers of BITRATE increase, but capacity of file becomes larger.

* This product is set up as 128 Kbps BITRATE in MPEG1 for delivery.

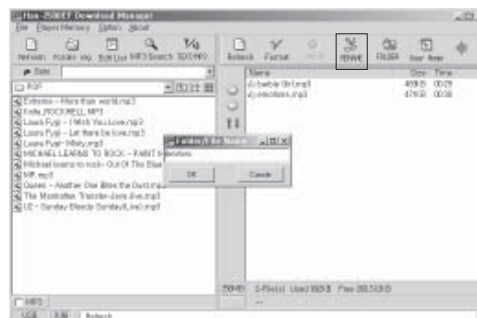


Rename the Folder/File

* Execute download program after connecting PC with MP3 Player making use of USB cable.

After clicking the folder/file to be changed once, click the 'Rename' icon in the upper side of download program.

When folder/file rename window is shown, click OK button or Enter after rename, then the name is changed.





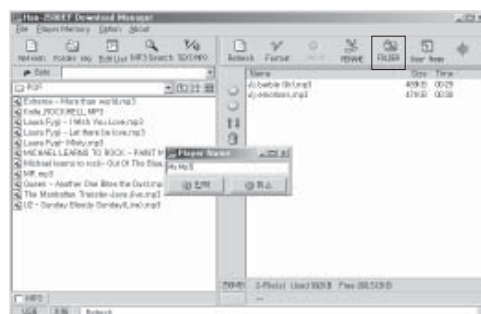
Creating the User Name into MP3 Player

* Execute download program after connecting PC with MP3 Player making use of USB cable.

Click 「User」 Name at download program, then window is shown as the picture.

Enter a name in vacant window of Player Name and press input, then name entering is finished.

The entering is possible up to max 14 letters. (more letters than 14 disregarded)



* "Power on LOGO" is the function to change the User Name. Power ON LOGO in MP3 Player can be changed using download program.



TTS(Text To Speech) function

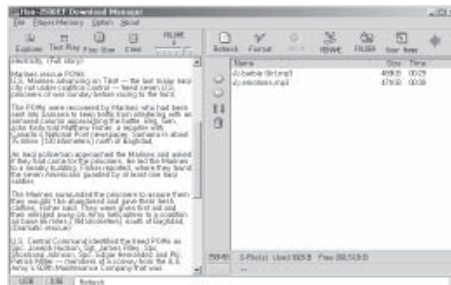
Converting Text to a MP3 file

Press 'TTS' button  at download program, then it is changed to TTS mode and TEXT edit window is shown.

Press  button, then English sentence is playback.

Press download  button, then it is transformed into MP3 File and you can listen in MP3 mode.

※ If you want to change to 'EXPLORER' mode, press 'EXPLORER' button.



What is TTS (Text to Speech)?

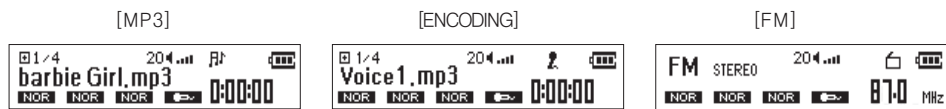
You can convert a text file from an internet site or general text into a MP3 file and can store the file to the player for language study purpose.



Setting MODE

There are three kinds of modes;MP3, ENCODING and FM MODE in MP3 Player.

- ① When power is turned on, the MP3 Player is in MP3 mode.
- ② Press the mode button for mode change.
(Mode shall be proceed [MP3 → ENCODING(Voice & Line) → FM → MP3] in sequence).



MP3 MODE

In MP3 MODE, you can use various functions such as adjusting volume of wanted music, repeating and playback speed control for language learning.

(For general operations, refer to [Listen to sample songs] on the page No. 5)



Setting MENU

JOG Key Function

HAN-250UEF has a function of JOG Key for user convenience.

In MP3 play mode, the JOG Key proceeds to **[Volume → EQ → REPEAT → PLAYING SPEED → RECORD SETTING → VOLUME]** in sequence by pressing it. Then, you can easily control these functions specifically by moving JOG Key up and down.

※ JOG Key is available in ENCODING MODE as well

Sound Control(EQ)

In MP3 MODE, press JOG KEY **[EQ]**, adjust to EQ icon and moving JOG KEY up and down, then EQ becomes changed.

[NORMAL]



[CLASSIC]



NOR(Normal)→CLA(Classic)→JAZZ(Jazz)→ROCK(Rock)→M-B(M-Bass)



Repeat

Press JOG KEY in MP3 mode , adjust to REPEAT icon and moving JOG KEY up and down, then REPEAT becomes changed.

[NORMAL]



[SONG ONE]



NOR(Normal)→S1(Song One)→F1(Folder One)→ALL→NOR(Normal)

Playing Speed Control

Press JOG KEY in MP3 mode , adjust to PLAYING SPEED icon and moving JOG KEY up and down, then you can change playback speed up to 9 steps (from - 20% to + 20%).

[100%]



[95%]



Record Setting Function

In ENCODING MODE, press JOG KEY **[SEL]**, adjust to RECORD SETTING icon and moving JOG KEY

up and down, then record setting is changed.
[VOICE]



[LINE IN]



Selected Section Repeat (A-B)

This function is available for listening between start point and end point that you want to repeat.

Press REC button at the points of start and end that you want to repeat. Then, the selected section is repeated to play. To release the selected section, press the REC button again.

[Start point A]



[End point B]





Folder Funtion

* You can choose the folder as your preference after creating new folder in download program.

- Press MODE button after selecting wanted folder using SCROLL KEY at stopped status, then move to subfolder.
- Press MODE button at stopped status of subfolder, then move to main folder.

[Before Selecting Folder]



[After Selecting Folder]



Hold Function

* With this function, you can prevent HAN-250UEF against malfunction in the disordered place.

While this button is placed in the ON position, you can not control any buttons.

[HOLD OFF]



[HOLD ON]



Resume Function

* When playback stops or power off during playback files, MP3 Player memorize the last position parts and starts playback from the stopped part when playback starts or power on.

– Setting/Clearing Resume Function

At the time of power off or selecting other MODE in playback MP3 or VOICE file, press SCROLL KEY at first, if then resume function is set up.

– The Resume Function will be cancelled when you turn the scroll key.



ENCODING MODE

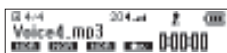
Voice Recording

It is a function to record wanted VOICE such as lecture, meeting and conversation.

- Press the MODE button once, and then the MP3 MODE will be changed to ENCORDING MODE.
- Change record setting to VOICE () recording. (Refer to page 25)
- Press REC button () to start recording.
- Press REC () button again, then recording is finished.

[Start recording]

[End recording]

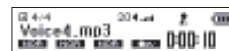
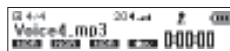


Listening to Recorded Voice

In the ENCORDING Mode, you can listen to recorded VOICE Files by pressing SCROLL KEY.

[VOICE MODE SELECTION]

[LISTENING TO RECORDED VOICE]



- You can listen to recorded VOICE in PC by uploading with the use of download program.

Direct Encoding

It is a function to record directly as MP3 file connecting with Digital Audio equipment such as general CD or Cassette Player without PC.

- Prior to Encoding, select ENCODING MODE by pressing [MODE] button for some seconds.
- Connect LINE-IN terminal of MP3 Player with LINE-OUT terminal of audio equipment to be recorded by provided audio cable.
- Change record setting to LINE () recording (Refer to page 25).
- Press REC (●) button, then encoding starts.
- Press REC (●) again, then encoding is finished.
- In the ENCODING Mode, you can listen to encoded files by pressing SCROLL KEY.

[ON ENCODING]



[ON ENCODING]





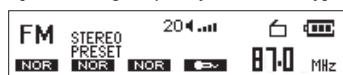
FM MODE

- * Press the MODE button twice, and then the MP3 MODE will be changed to FM MODE.
- * MUTE function in FM MODE is set up and cleared each time pressing MODE button in short during the listening to FM.
- * FM Radio frequency of this product is set up from 87 MHz up to 108 MHz.

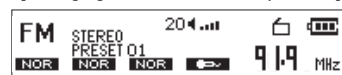
Automatically Storing Frequencies (PRESET)

- Pressing JOG Key for two or more seconds, HAN-250UEF automatically searches for and detects FM frequencies audible in the range of 87MHz~108MHz; and stores them up to 15 channels. (PRESET1~PRESET15)

[Memorizing frequency automatically]



[Changing the memorized frequencies]

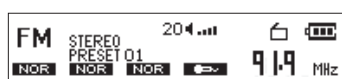


- * There is a case when frequency is not taken well according to place and moving speed. In the area where frequency is not taken well, 15 ea of PRESET are stored all as 87.0 MHz.

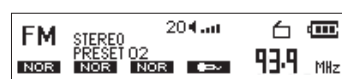
PRESET Change

- Use for moving to other frequency within PRESET after PRESET setting.
- When automatic storage of frequency is finished, 'PRESET' is shown on LCD screen. At this time, turning SCROLL KEY up and down move to next or prior PRESET. (PRESET01 - PRESET15)

[PRESET 01]



[MOVE TO PRESET 02]

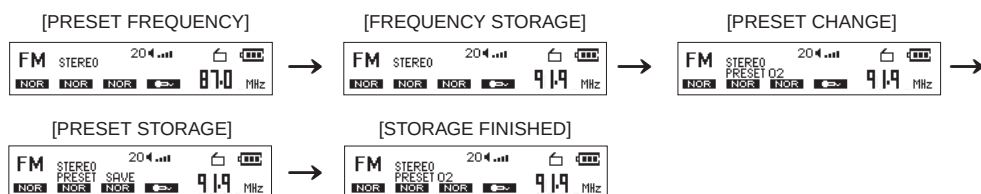


Storing Frequencies by Manual

- * There is a case when frequency as user wants is not taken well by frequency PRESET according to place and movement speed. In such a case, you can find the wanted frequency by manual as set below and store directly into the wanted place.



1. Press JOG KEY, then present PRESET is disappeared on LCD screen.
2. At this time, turning SCROLL KEY up and down, then the frequency is changed by 0.1 MHz.
3. After moving to the wanted frequency, press SCROLL KEY once.
4. After moving to the wanted PRESET by turning SCROLL KEY again, press SCROLL KEY once more, then the wanted frequency is stored in that PRESET.



Recording FM Broadcasting

HAN-250UEF has a function of recording the FM broadcasting to which you are listening, so you can record and play back the radio broadcasting to/from a file.

[FM RECORDING START]



[FM RECORDING STOP]



- Press REC(●) button during listening, then recording starts.
 - Press REC(●) button again, then recording is finished.
- (For listening to FM recorded files, you can listen in VOICE MODE.)



Deleting stored Files

When reserve space of memory is not sufficient at the time of VOICE and Encoding recording, you must record after securing space by deleting files stored in memory.

- It is possible to delete MP3 and TTS files also.

- 1) To delete File or Folder after selecting, press REC(●) button for a long time in stopped status.



- 2) When a message of DEL(MODE)/ES(REC) is shown on screen, press MODE button.



- 3) The message "DELETED" will be displayed on the screen after deleted.



- Please pay your attention that files to be deleted once can not be recovered.
- When file deletion is finished, it moves automatically to prior phase.

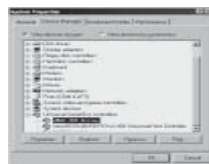
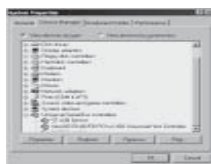


Others and Cautions

Supplements and solutions against problems

Q1. Questions for USB driver

When the program is executed after connecting download program with MP3 Player, what to do in a case that the message of 'driver can not be opened. Did you install USB driver?' is appeared.

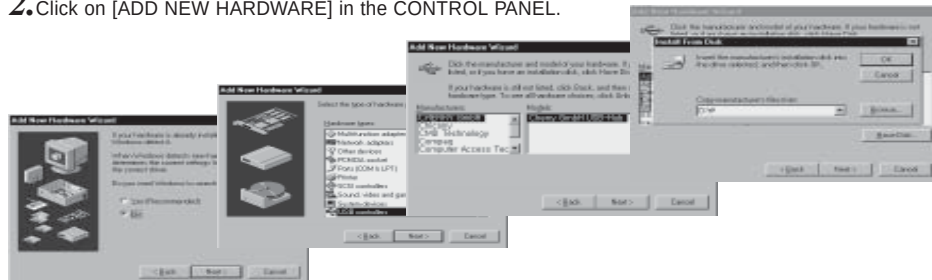


1. While this product is properly connected with PC, Click on [START] of Windows and select **CONTROL PANEL → SYSTEM → DEVICE MANAGEMENT** in sequence. Then, double-click on «Universal USB Controller» and check of whether or not the AMAC USB Driver exists.
2. Select and Delete AMAC USB driver or the USB driver of other devices if they have a question mark or an exclamation mark or "Unknown Device" exists.
3. Leave alone the USB cable connected to the USB port of PC, and pull out the USB cable from the MP3 Player. Then, reboot the PC.
4. Connect the cable to the MP3 player after rebooting, and the USB driver is automatically detected (Win98/ME). As for Win2000 or XP, you have to install the USB driver manual - refer to "Installations manual" on the page No. 36~38.



Installation of USB driver by Manual (Win98/ME)

1. Put the Program Installation CD into the CD-ROM drive.
2. Click on [ADD NEW HARDWARE] in the CONTROL PANEL.



3. Click on [NO (N), Select in the hardware list.]
4. Click on [USB Controller] among hardware types.
5. Click on [Disk].
6. Select the drive that the Installation CD is currently placed, and then click on [SEARCH].



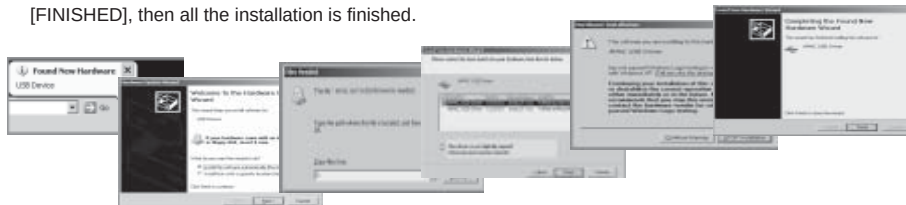
- 7.** Select drive and path that the CD is currently placed.
- amac install CD → amac.inf → then, click on [OK] button.
- 8.** Select AMAC USB Driver and click on [Next].
- 9.** Click on [Next].
- 10.** Click on [Exit] to complete the installation.



Installation of USB driver by Manual(Win2000/XP)

1. When you connect cable after installing download program, a window of new hardware founded in Windows Menu Bar is appeared.
2. Press X in the message of new hardware founded, then a window for new hardware checking wizard is appeared.
3. Click on [Next].
4. Select "Include the following location in search" and click on [Find]. Designate the folder that "AMAC Install CD" or "amac.inf" file exists, and then click on [Open] and [Next] in sequence.
5. Select amac.inf in the list and click on [Next].
6. An error message can occur and you can click on [Continue] button during installation, but it does not influence the OS.
7. When the installation is finished, then a window of new hardware checking wizard completion is appeared. Press [FINISHED], then all the installation is finished.

As for Win2000, the 3rd figure from the left in the below figures will be shown after restarting.
Designate the path of Install CD-Rom and click on [Next]. Then, the installation of USB driver start running.





Cautions

1. Putting a battery correctly after check up the positive and negative. (It may causes out of order.)
2. Do not impact the product, such as drop. Otherwise, the product may be damaged.
3. Be careful that water shall not flow into the product.
If the product is wet, dry it with a un-wet cloth. Then, contact AMAC Co., Ltd.
(3rd Floor, Seyo Bldg., 161-8, Samsung-Dong, Kangnam-Gu, Seoul, Korea.
☎822-574-8012, Working hours 09:00~18:00)
4. Do not expose in many hours on a direct ray of lights or closed place or heat appliance.
(A caution of transformation and a change of color by high temperature and a caution of keeping in a car on outdoors parking lot)
5. Avoid keeping MP3 Player in place with high moisture, strong magnetic properties, and strong heating.
6. Do not disassemble a product unnecessarily except a AMAC Information Network serviceman.
7. It should be polished with a soft piece of cloth. Do not polish with a chemical material(Benzene, Thinner, organic solvent,).
8. When you do not use the product for a long time, remove the battery.
It will cause a product damage with a battery leakage.
9. Avoid keeping MP3 player in place with direct ray of light, airtight space, besides heater etc.



Specifications of Product

Model No.	HAN-250UEF
Memory	128/256/512MB
Batteries	1.5V X AAA type 1EA
Playing Time	12 Hours
Size / Weight	80X 35 X 15mm / 130g(Battery excluded)
Interface	USB Port
Downloading Speed	10Mbps
Voice recording Time	8 Hours (128MB/32Kbps)

HAN-250UEF

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