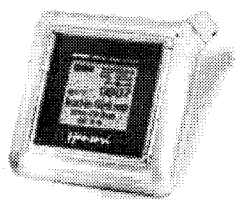




Introduction of HAN-230UVS



◆ Perfect Digital Sound! *Hansori*

HAN-230UVS allows you to download and save MP3 files through Internet.

You can listen to the music with CD quality anytime anywhere, without cassette tape or CD.

Voice Recording

Voice recordable anytime anywhere... lectures or meetings in school, company, classroom, etc. Jump up study efficiency!

Digital Sound

CD quality, no variation, best sound!

FM RADIO

MP3 song and FM radio as well.... Best feeling!

FCC

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.

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

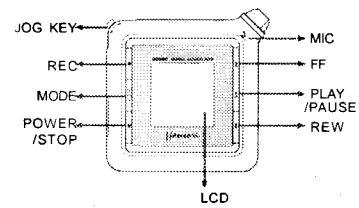
Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate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

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

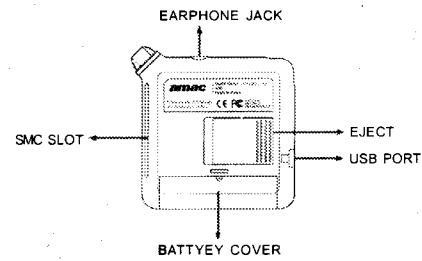


Configuration

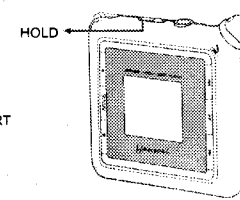
Front view



Rear view



Side view



HAND-CHIPS

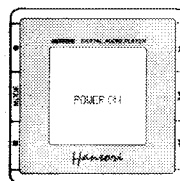


Listen to sample songs

* Hansori has MP3 sample files loaded in the factory.

1. Power On

Press STOP button (■) for some seconds.
Then, power is switched on and 'POWER ON' is indicated on the LCD.



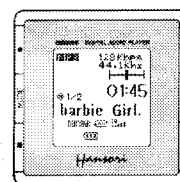
- Press PAUSE button (⏏) when a file is playing, and the file pauses.

SEARCH FUNCTION?

Press FF or REW button enough when a file is playing.
Then, the previous file or the next file will play.
(SEARCH function when a MP3 file is playing.)

2. Listening to sample music

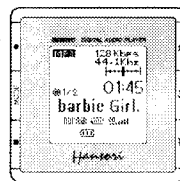
Press PLAY (▶) button, and you can listen to the stored sample music.



- Press (⏮) button for the next song, or press (⏭) button for the previous song.

3. Volume control

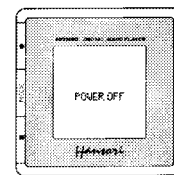
Move down JOG Key for volume down,
or move up the key to volume up.



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

4. Stop / Power-off

Press STOP button (■), and HAN-230UVS stops
playing. Press STOP button (■) for two or more
seconds while HAN-230UVS does not play. Then,
the power is switched off.



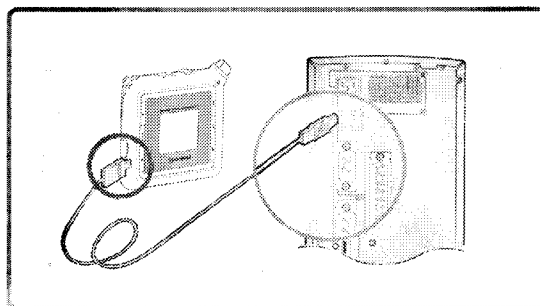
- If you does not press any button for one or
more minutes while HAN-230UVS does not play,
the power is automatically switched off.



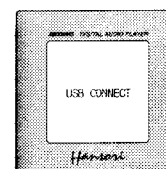
Connect PC to Hansori

* To download MP3 files from PC to HAN-230UVS, connect the provided USB cable between PC and Hansori.

[Connection between PC and Hansori]



['USB CONNECT' indication of LCD]





Downloading / uploading MP3 files

Downloading

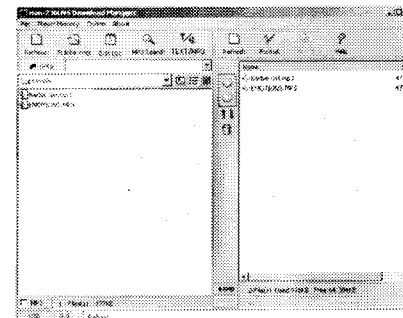
You can download  and move sample files or MP3 files to Hansori.

* Before downloading files, connect USB cable between PC and Hansori.

[Download /upload]

Uploading

On the contrary, you can upload MP3 files from PC to Hansori. Select one or more files in the right side of window, and press  button.



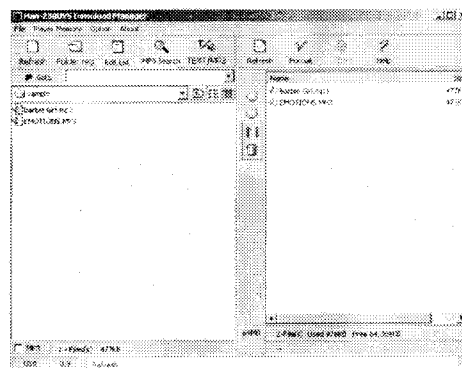


Changing a sequence and deleting stored files

* Connect USB cable between PC and Hansori, and execute the HAN-230UVS Manager

After selecting files, you can change a sequence of files by using the icon.

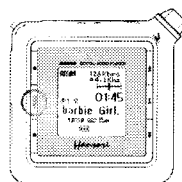
To delete a file, select the file and click on the icon.





Setting MODE

Hansori has three executable modes of **MP3 MODE**, **VOICE MODE** and **FM MODE**, and additional INFO MODE to delete files from the internal / external memory of player.
(Refer to the page No. 26 for INFO MODE.)



[Mode button front side of LCD]

Mode button of LCD

1. When power is turned on, the player is in the MP3 mode.
2. Press the mode button for mode change.
(Mode shall be proceed [MP3 > VOICE > FM > MP3] in sequence).

MP3 MODE

In MP3 MODE, you can control the sound(EQ) for your preference, and can use functions of REPEAT, SECTION REPEAT AND PLAYING SPEED CONTROL for language study etc.
(For general operations, refer to "Listen to sample songs" on the page No. 5).

JOG KEY Function

Hansori has a function of JOG Key for user convenience.

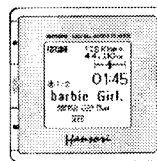
In MP3 play mode, the JOG Key proceeds to **[Volume - PLAYING SPEED - EQ - REPEAT - Volume]** in sequence by pressing it. Then, you can easily control these functions specifically by moving JOG Key up and down. (For the volume control, refer to "Listen to sample songs" on the page No. 5.)

* JOG Key is available in Voice Mode as well

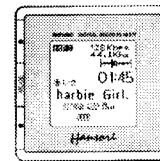
Controlling Playing speed

Press JOG Key in MP3 Mode once, and the playing speed control bar starts blinking. At this time, move the JOG Key downward and upward. Then, the playing speed changes -20 % to +20% with 9 steps.

[100%]



[95%]

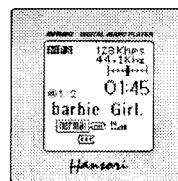




EQ

Press JOG Key in MP3 Mode twice, and the EQ MODE on LCD starts blinking. At this time, move the JOG Key downward and upward. Then, the EQ will be changed

[Normal]



[Classic]



Normal - Classic - Jazz - Rock - M-Bass - Normal



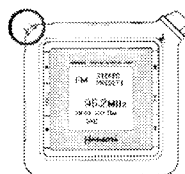


FM MODE (Listening to FM Radio)

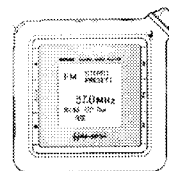
* Press the MODE button twice to select the FM MODE before execution.

Automatically storing frequencies (PRESET)

- Pressing JOG Key for two or more seconds, HAN-230UVS automatically searches for and detects FM frequencies audible in the range of 87MHz~108MHz; and store them up to 10 channels. (PRESET1~PRESET10)
- Pressing JOG Key one by one, you can select the next frequency among the automatically memorized frequencies.



[Memorizing frequency automatically]



[Changing the memorized frequencies]

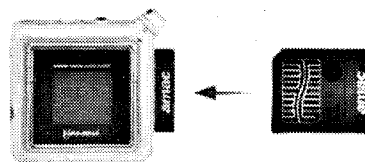


Others and Cautions

Addition of SMC

You can have more memory space by adding a SMC (Smart Media Card).

Power off Hansori before using a SMC.

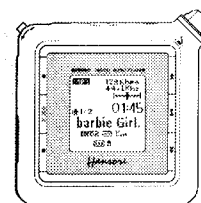


[Mounting view of SMC]

- Mount on the SMC that you have additionally purchased, in the same direction as illustrated in the figure.

[Cautions for SMC use]

1. Format the external memory before using the SMC.
(Refer to the page No. 12.)
2. Don't pull out the SMC during play. Otherwise, data can be damaged and the player may have malfunctions.
3. The metal surface of the front side of SMC is contacted to the internal circuit of player. Be careful that the surface is not damaged.

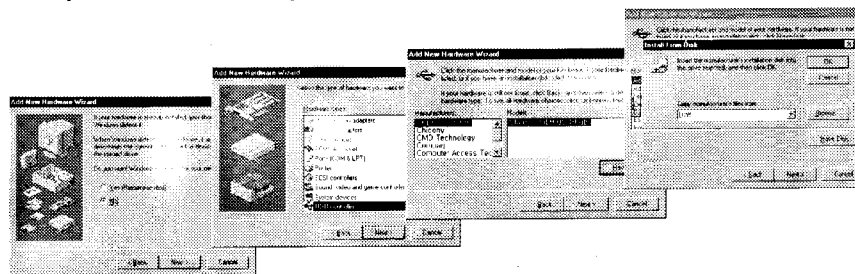


[Insert SMC into Hansori and power on.
Then, "SMC" appears on the LCD screen.]



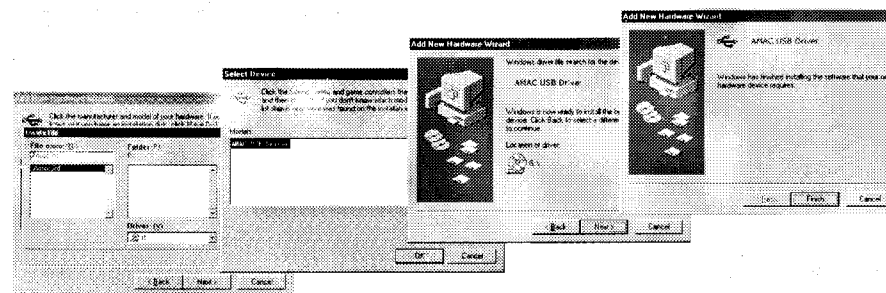
Installation of USB Driver by Hand (Win98/ME)

1. Put the Program Installation CD in 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].

HAN-2301/VS



7. Select drive and path that the CD is currently placed.
- amac install drive → 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.



Specifications of Product

Model No.	HAN-230UVS
Memory Batteries	Internal Memory: 64/128/256MB
Playing Time	External Memory: 16/32/64/128MB
Size	1.5V X AAA type 1 EA
Weight	16 Hours
Interface	60 X 60 X 15mm / 43g(Battery excluded)
Downloading	USB Port
Speed	5.6Mbps
Voice recording Time	8 hours (for 64M basis)