

5. Using the USB downloader management program

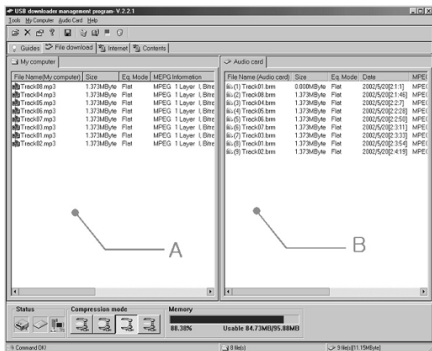
● Main window



- A. Guides : Guides about the USB downloader management program.
- B. File Download : Compress with VBR and download the selected file(s) in My computer window to the audio card.
- C. Internet : Connect to the service area supported by Etronics Corp.
- D. Contents : Internet contents information window. All the contents are serviced by Etronics Corp.

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● File download window



File download window is divided by 'My computer' (A) and 'Audio card' (B) window.

'My computer' is the window that shows the music file(s) will be downloaded on the audio card, and 'Audio card' that shows the music file(s) downloaded in the user's audio card.

■ Toolbar




- A. Open : Open the MP3, audio CD music file or WAVE file to download on the audio card.
- B. Cut : Delete the selected file list(s) in the My computer window
- C. Setup : Select compression method manually to download music file(s)..
- D. About : This shows the information about USB downloader management program
- E. Save : Download the selected music file(s) in My computer window on the audio card.
- F. Delete : Delete the music file(s) on audio card.
- G. List : View the music list(s) on audio card
- H. Memory : This shows the memory capacity left over.
- I. Format : Format the audio card.

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■ Details about toolbar

A. Open file(s)

Click button  on the toolbar and select file(s) you want in the selecting window, or drag it(them) on the window located below. Then click the 'Open' button. You can also select plural files by using Shift key. (press Shift + click the files you want)




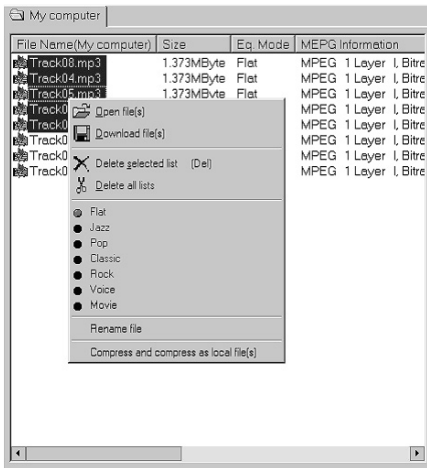
There are 3 types of music file format that can be downloaded on the audio card; WAVE(.wav), MP3(.mp3), music CD(.cda) and Inkel® portable audio file format (.brm).

- To arrange the music file list that will be downloaded, drag and drop the files in order you want.

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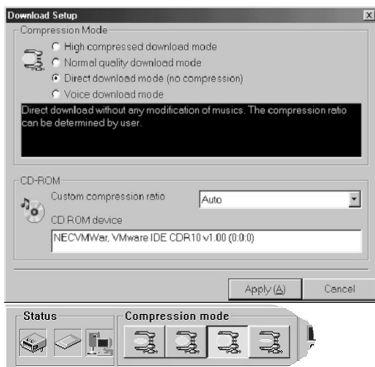
B. Delete selected file list

- As shown below, select the music file(s) you want to delete in My computer window and then 1) Click button  on the toolbar, 2) or right-click and select 'Delete selected file list' in the popup menu, 3) or press 'Del(ete)' key on the keyboard.
- To delete all the music files, select the 'Delete all lists' in the popup menu of the picture below or select all the file using Shift key and press Del(ete) key on the keyboard.



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C. Download option setup



There are 4 compression modes when downloading music file(s).

1) High compressed download mode

Download with high compressibility (25:1) using VBR(Variable Bit Rate) technology.

This is appropriate for portable player.

2) Normal quality download mode

Download with 15:1 compressibility using VBR technology. When using this method, you can save the memory capacity about 30% to normal MP3 file.

3) Direct download mode (no compression)

Download MP3 file(s) without compression, but the WAVE and audio CD file(s) with VBR compression. The compressibility can be determined by user.(128/160/192/256/320 Kbps)


4) Voice download mode

Download with 55:1 compressibility using VBR technology.

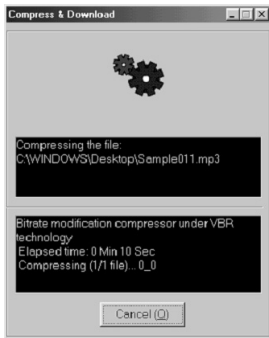
This is appropriate for voice file. This method controls the voice information automatically, but when compress the complex music(Pop, Jazz, etc.) with this mode, the sound quality is not guaranteed for that file.

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D. Download music file(s)

After determining the compressing mode and music list that will be downloaded, click button  on the toolbar or right-click and select 'Download file(s)' in the popup menu.

1) When downloading MP3 or WAVE file(s)



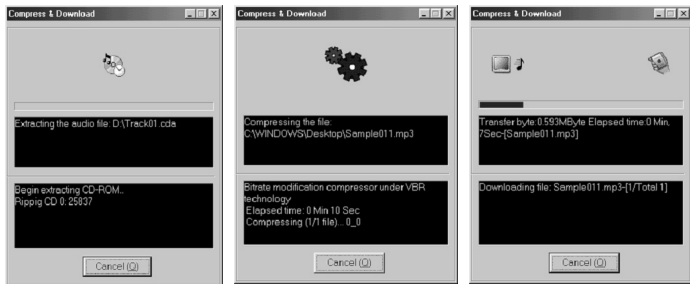
Compress the music source with predetermined compressing mode and download on the audio card.

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2) When downloading audio CD file(s)

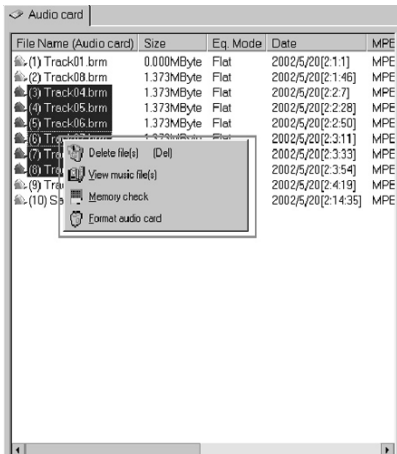
Make the audio CD music to music file first, compress it with predetermined compressing mode, and then download to audio card.


(The music in the audio CD has different data structure to other music files used in computer, so it is necessary to make audio CD music to usable music file before downloading.)



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E. Delete music list(s) on audio card



Select the music file(s) you want on the audio card and click button  in the tool bar or press the ' Del(ete)' key on the keyboard or right-click and select the ' Delete file(s)' in the popup menu.

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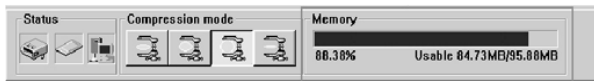
F. View music list(s) on audio card

Shows the music file list on the audio card.

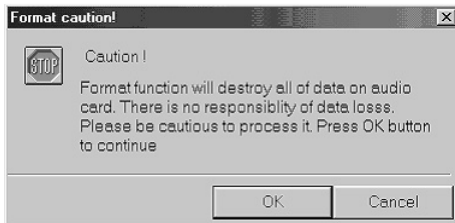
G. Memory check on audio card

Shows the current status of memory.

The maximum capacity and usable one are graphed.



H. Format audio card

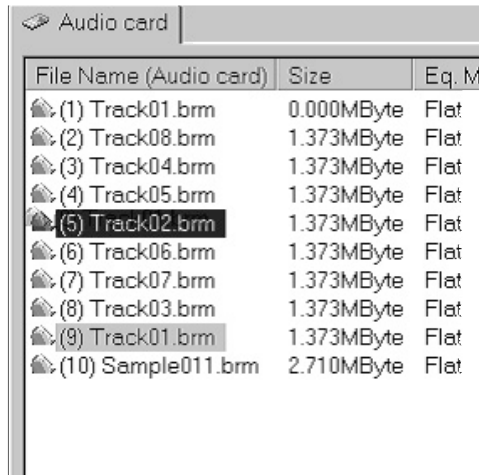


Format the memory of audio card. In this case, all the data in the audio card are erased

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I. To change the order of music file playing on the audio card

It is able to change the order of music file playing by drag-and drop.
The music files on the audio card are played in the changed order.

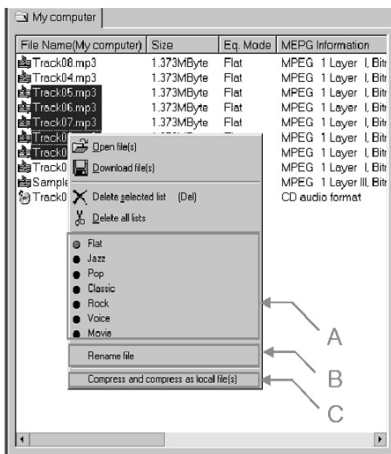


File Name (Audio card)	Size	Eq. M
(1) Track01.brm	0.000MByte	Flat
(2) Track08.brm	1.373MByte	Flat
(3) Track04.brm	1.373MByte	Flat
(4) Track05.brm	1.373MByte	Flat
(5) Track02.brm	1.373MByte	Flat
(6) Track06.brm	1.373MByte	Flat
(7) Track07.brm	1.373MByte	Flat
(8) Track03.brm	1.373MByte	Flat
(9) Track01.brm	1.373MByte	Flat
(10) Sample011.brm	2.710MByte	Flat

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■ Popup menu

(A popup box displayed when right-click the download list(s))



A. Equalizer mode

Set the equalizer mode for the music file before downloading, you can listen to the music file on the audio card with that equalizer mode. The supported modes are Flat, Jazz, Pop, Classic, Rock, Voice and Movie. Flat is the default mode that don't set the equalizer mode.

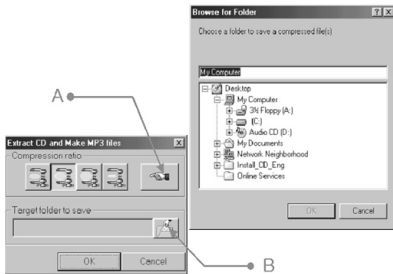
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B. Rename file

The name of music file is changeable before the file is downloaded. It is changed imaginarily in the list, the real file name in the computer not changed. You cannot change the extension.

C. Compress and save as local file(s)

Compress the music file(s) and save that in the computer.



1) Select the compression ratio.(A)

2) Select the target folder to save and click OK.(B)

※The program compresses the file(s) according to selected compression ratio and saves that in the selected target folder.

Remark: The pre-encoded files has .brm file name extension. If you want to save these files later, the program will automatically skip a compression action although a compression mode is set. You cannot play the files on your PC or any other MP3 player.

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● Error messages and recovery

1. The below message is displayed when the audio card is not connected.



This is the error message taken place when do the function related to audio card while the audio card is not connected. In this case, check the connection with the audio card and your PC.

2. The below message is displayed when user disconnect the USB cable from Audio Card in using this management program.
Guides for USB downloader management program



This is the error message taken place in using the USB downloader management program. In this case, disconnect the Audio Card from your PC and connect it again.

6. Troubleshooting

Q. Program does not work even though has been installed.

Connect the Audio Card to the PC's USB Port.

Windows 98 / Me / 2000 / XP automatically recognize the USB.

(It is impossible to install manually.)

After recognition, the USB driver is installed and downloader management program works.

Q. USB cannot be recognized

There is some problem in the PC's USB system. Reboot your PC.

If the USB cannot be still recognized, check the PC's USB port.

There's no problem with the USB port, then the problem is caused from Audio Card.

In this case, consult with the A/S center

Q. Audio card cannot be recognized

Check the connection with audio card and PC.

Q. The memory capacity in the audio card is 0.

Check the connection with audio card and PC.

Q. The file on the audio card cannot be recognize.

Use after formatting this audio card.

7. FAQ

● What is MP3 ?

MP3 is the technical abbreviation for a method of compressing audio files into digital formats (MPEG-1 Audio Layer 3). This is the most used compression scheme. It can compress the standard audio track to smaller size and doesn't degrade the sound quality.

● What is VBR(Variable Bit Rate)?

The bit rate of a compressed file is the main determinant of sound quality.

The bit rate is the amount of data stored for each second of music.

CBR compressed files store the same amount of data for every second in the file, even if some seconds contain very complex music and others contain very simple music.

VBR files by contrast, vary the amount of data stored depending on the complexity of a particular section of music. In a symphonic piece, when the full orchestra is pounding away the bit rate will be higher, and when just a single flute is playing, the bit rate will be lower. Ideally you should get smaller, higher quality files with VBR, but this isn't always the case.

● What is BRM?

BRM is the technical abbreviation for Bit Rate Modification, named by Etronics Corp.

This is appropriate method for the portable player as well as keeping the highest compressing ratio by using VBR.

The 25:1 compressing ratio is based on MPEG II, and 15:1 is on MPEG I. 'BRM' is assigned to extension(.brm) of music file(s) downloaded on the audio card.

● Can you play the BRM file on your PC ?

No. The BRM file is encoded by RC5 128bit security, thus, you can not play it on your PC and another MP3 player except the audio card.

● What is the reason of non-constant compressing ratio in the voice download mode?

VBR files vary the amount of data stored depending on the complexity of a particular section of music, therefore the compressing ratio is relatively smaller when compressing complex music like classic, pop, etc.

7. FAQ

- **Why is there quality difference between directly compressing CD music and compressing by MP3 ?**

MP3 is lossy compression method; it compresses with discarding the inaudible sound. This method cannot preserve the exact CD sound source, so the quality of sound compressed with MP3 is worse than directly compressing CD music.

- **Can I save the file that is not music one?**

It can be saved on the audio card, but not uploaded for protect copyright. And already saved file(s) cannot be changed.

8. Specification

Memory Size	128MB
Frequency response	20Hz ~ 20kHz
PC Interface	USB 1.1 (Maximum transfer rate: 1Mbps)
Power source	4.2V / 570mA, built-in Li-Polymer Battery
Dimensions	61(W) × 91(H) × 5(T) mm
Weight	48.5g (Battery included)
Output power	6.5mW + 6.5mW (1KHz, 0dB/16Ω)
Battery run time	8 hours, 1.5 hours charging time (Playback duration may differ depending on whether it is charged fully or not)

9. Accessories/Sold Separate

Accessories



Instal CD



Earphone



USB Cable

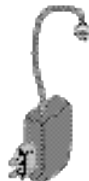


Headset



Earphone Jack

Sold Separately



Adapter



Remote control



Car Kit



Earbud

10. Help

Sherwood offers the technical support such as program upgrade, A/S and another user services. Please visit our homepage below for more details.

USA : <http://www.sherwoodusa.com/>

EUROP : <http://www.sherwood.de/>

ASIA(Korea) : <http://www.etrionics.co.kr>