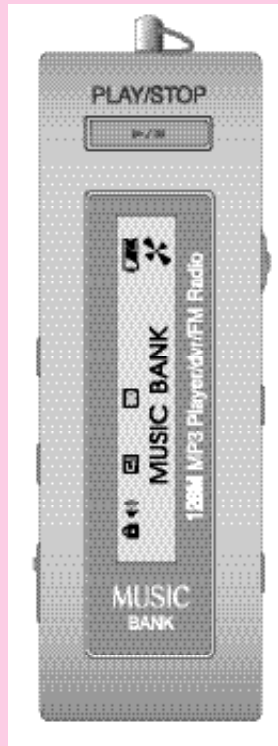


**PORTABLE DIGITAL AUDIO PLAYER
MODEL : DMP-100/DMP-100R**



INSTRUCTION MANUAL



Thank you for purchasing PORTABLE DIGITAL AUDIO PLAYER from DIASONIC TECHNOLOGY Co. Please carefully read the Instruction manual for safe use of the product. We recommend you to keep this instruction manual for future reference.

INFORMATION TO THE USER

WARNING

Changes or modifications not expressly approved by the manufacturer 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 operations.

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.

COPYRIGHT

DIASONIC TECHNOLOGY Co. has all the copyrights for this instruction manual.

It is against the copyright law to make unauthorized copies, translate and publish material without prior authorization from DIASONIC TECHNOLOGY Co. All the information written in this instruction manual was produced with our company's careful caution, but they can be changed without any prior notification. Any differences between product and manual due to the cause of change the responsibility will not fall under our company.

Also, the use of MP3 files created by MP3 converting function of Music Bank are prohibited for other than personal purpose like commercial use or service purpose. Violating these rules are against internal copyright law.

CONTENTS

1. DMP-100/R SERIES

1) Notes for using	3
2) About DMP-100/R SERIES	4
3) Function and Feature	5
4) Name of each part and LCD display	6
5) Use of battery and component of package.	7
6) Use of basic functions	9
7) Use of buttons	12
8) Operating dial menu	14
9) Configuring menu from MP3/RECORD property when stopped	15
10) Menu Table	17
11) Recording from voice record property	20
12) Deleting	22
13) Connecting to a exterior devices	23
14) Receiving FM radio function	25

2. MUSIC BANK AND MAIL MANAGER

1) What is Music Bank?	26
2) Connecting DMP-100/R SERIES and setting up Music Bank	27
3) Component of Music Bank	29
4) Spectrum display and sound effect	32
5) Transferring MP3 files	33
6) Transferring DMF files to computer	34
7) Deleting MP3 and DMF files	36
8) Resetting flash memory	37
9) Transferring audio CD music to DMP-100/R SERIES(Optional)	38
10) Managing files using music bank	42
11) Mail Manager	43

3. Standard Product	47
---------------------	----

4. Quality Guaranteed Form	49
----------------------------	----



Before use (notes for using)

- Do not drop or give a hard impact. It could cause malfunction.
- Do not use or place it at following places.
 - Highly temperate area(above 60°C)
 - Under direct light beam or anywhere close to heater
 - Car with closed windows. (Especially summer)
 - Where lots of moisture exist ex) bathroom.
 - Where lots of electricity occurs
- If too much force is pressed on LCD Display window it becomes the reason of malfunction. And it can cause problem due to LCD Display windows' specificity.
- If you place any kind of magnetic card; cash card, or commutation ticket close to a speaker, it will affect magnetic part of cash card, and commutation tickets and make the card useless.
- Please make sure no dust goes into insertion of this product.
- You should not shake or give impact to the product or remove it from USB port when it is reading or writing data. At situation like this, data could be lost or damaged.
- Please understand that our company will not be responsible for any harm caused by this product or compensation request made by third party
- Please understand that our company will not be responsible for lose of memory other than by damage or repair.
- Please do not repair, disassemble, or remodel on users own will.
- Please do not operate where use of electric device is prohibited.
- Please do not operate while driving.
- Please do not overheat the body of the product or the battery, also do not short the battery.
- Users using assistant equipment please do not use the main product fasten so closely to assistant equipment's slot.
- There is a chance that stored memories might change, or disappear due to situation where the customer or the third party misuses the product or static electricity, and electric shock is given to product or when repairing the damage or replacing the batteries.

Please record important information on a memo or note.

About DMP-100/R SERIES

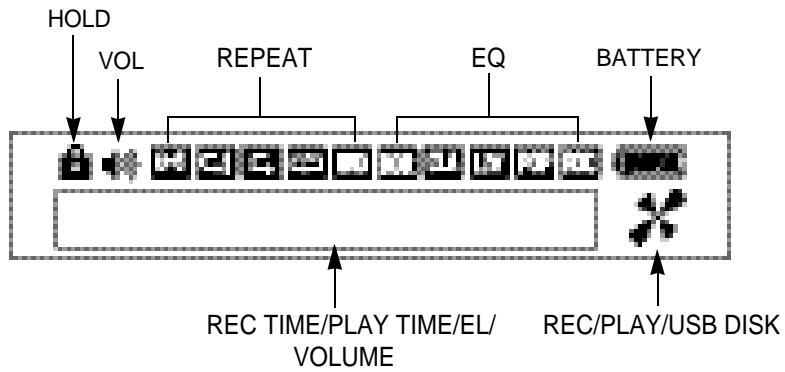
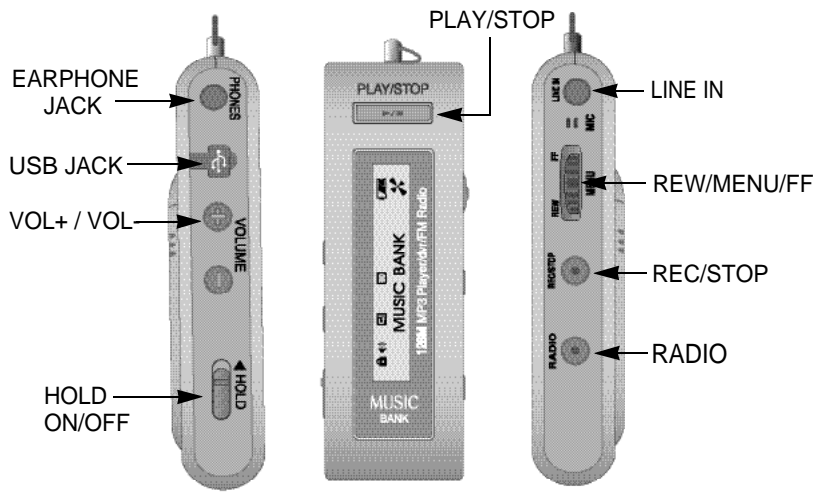
DMP-100/R series are Multi-Function Next-Generation Portable Digital Audio Player that integrated technology and quality from DIASONIC TECHNOLOGY CO. It's a high performance portable digital audio player which plays digitally compressed audio file MP3 and WMA file in various ways. It can record high-quality voice and also has function to record by connecting it to exterior devices and listening and recording of FM radio broadcast is also possible.

- DMP-100/R series is a pocketsize, lightweight portable digital audio player, which adopted a fashionable pocket-size stick form design and half-mirror method window by overseeing the previous designs, so it gives one class higher luxuriousness and is also easy to carry around.
- High-quality MP3 Player
DMP-100/R SERIES has attached all the various functions (equalizer/repeat function) of MP3 player, so it confronts the advantage of MP3 player with giving out feeling of richness and delicacy and also consists of Best-Quality sound.
- Voice and Exterior Device Record
It enables to record voice and record through exterior device; it has adopted a various voice record function of MP3 player, and it can also be used as portable data storing device which has portable hard disk function.
- Listening and Recording of FM Radio
DMP-100/R SERIES has function to receive FM Radio frequency, so you can listen to FM broadcast and at same time you can record the broadcast that you are listening and re-listen at anytime.
- Graphic LCD Display and Back-Light Function
DMP-100/R SERIES uses graphic LCD that supports not just a Korean, but also English, Chinese, and Japanese, so you can easily notify the name of the song and playtime, and the back-light of dark-blue LCD makes it possible for users to configure the menu at night time.
- Provide Music Bank/ Mail Manager
You can freely transmit the data recorded form PC or receive MP3 files from a PC, and the comfort support of playing and managing stored data and transmitting record data on e-mail is possible.

Function and Feature

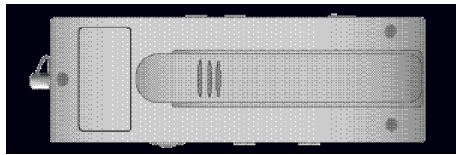
- Adopted USB interface for convenient computer storage.
- Plays MP3 file, voice record, receiving and recording of FM radio broadcast.
- Graphic LCD with back-light (indicates file title, play time, battery condition, etc)
- Hold function to prevent actions from miss-pressed buttons.
- Repeat play function (normal, 1 track, all, random, section repeat, album repeat)
- Supports Korean, English, Japanese, Chinese.
- Play/ intro play/stop/ power off/record.
- Next track/ previous track/ Fast forward/ Rewind.
- Volume up/down(digital volume: 30level)
- Storing/Managing Folder function.
- Various equalizer mode (NORMAL, CLASSIC, LIVE, POP, ROCK.
- Adjust back-light time, adjust scroll speed time.
- Delete function (ONE, ALL)
- Display function to change display while MP3 file is being played (NORMAL, REMAIN, TITLE)
- Software : Music Bank [File transfer, MP3/WAV/Audio CD Play,MP3 Encoding (Option)]
Mail Manager (DMF play, record, voice mail, voice memo)

Name of each part and LCD Display



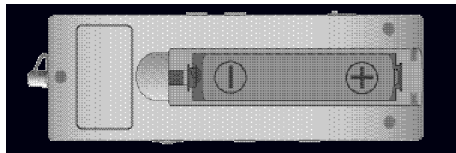
Use of Battery and Component of Package

1. Open the battery cover. → OPEN



2. Insert 1 LR 03 type battery to product matching the (+) (-) polar signs and close the cover.

[Battery : LR 03 or equal product (SIZE "AAA" or UM-4)]



3. Press play/stop button to check the battery.



Battery full



Consumed 1/3 of the Battery .



Consumed 2/3 of battery.



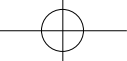
Battery needs exchange.

o Notice

If LCD doesn't appear after new battery has been inserted, immediately check the polar signs of battery. Even after checking the polar signs of the battery and if LCD still doesn't appear, take the battery out and request for repair.

o Reference

Battery can consume naturally if it's attached to the product without being used for long time.



4. Use time of battery

Battery used	When recording	When played with earphone (volume : medium)
Alkaline battery SIZE"AAA" LR-03	Approx. 7hour	Approx. 7hour

5. Attention when using battery

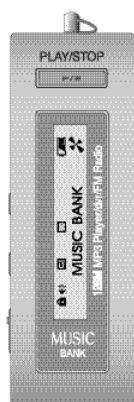
- Do not use with mixing other types of batteries.
- Take the battery out if it's not going to be used for long period of time.
- When using rechargeable battery, use it properly after reading the instruction manual.

6. Package Components

STEREO EARPHONE, INSTALL CD, LINE/IN CABLE, USB CABLE, INSTRUCTION MANUAL, BATTERY, HAND STRAP, WIRED CONTROLLER

Basic use

- Power ON/OFF



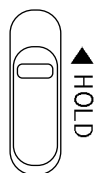
Press play button for over 3seconds to turn the power on and LCD display screen will appear like picture on the side. While power is on, press play button again for over 1second to turn the power off.

If none of the buttons are pressed over 1minute power will turn off automatically.

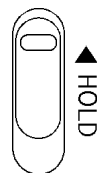
- Using hold switch

If the hold switch is upward switch will not be operated.

Keep the switch upward when it's not being used or if you wish to maintain the recording condition. Before turning the power on, make sure hold switch is disabled.



HOLD disabled



HOLD

Switch will not be enabled.

- If power is turned on while the hold switch is at ON it will indicate "HOLD ON", and power will shut off automatically. So, disable hold and turn the power on.



- Conversing Mode

DMP-100/R SERIES has MP3 mode, voice record mode, and FM radio mode. When the player is at stop, press menu button and menu will appear on LCD screen. Then, use FF or REW button to select between MP3 (audio) and voice record mode (record).

To choose FM radio mode, press radio button when at stop and it will convert to FM radio mode.

- PLAY, STOP

Press play button to play music, while music is playing press play button again then it will stop at the current playing position. At this time, press play button one more time then it will start from the position it was playing, press REW button to go back to the beginning of the file.

- o If REC button is pressed while file was being played, it will stop and go back to the beginning of the file.



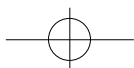
- Deleting File (ERASE)

To delete current file being displayed on LCD screen press menu button while at stop then from menu use FF button or REW button to choose ERASE ONE then select 'yes' from ERASE menu and current file will be deleted.

- o To delete all the files in MP3 mode or Record mode choose ERASE ALL then select 'yes' from the ERASE menu using FF button or REW button then press menu button to delete all the files in selected mode.

- Selecting and Moving file

From stop position, press FF or REW button to select next or previous track, and hold down on the button for quick search. If FF button is pressed during play, it will play the next track, and hold down on the button to play the track at double speed. When rewind button is pressed, after the current track has been played for over 5seconds it will play the current track back from the beginning, and within 5seconds it will play the previous track. Holding down on REW button will reverse play the current track at double speed.



- Adjust Volume

Press VOLUME + and VOLUME - button to adjust volume. Hold on the button for continuous adjustment.

- o Volume can be adjust from level 0~30
- o Volume can only be adjusted with plugged in earphone. When earphone is unplugged it will auto-detect "earphone unplugged" and automatically adjust volume to level 20.

- Section Repeat

DMP-100/R has a 'selected section-repeated function'. Press and Hold on REC button while player is playing and it will set the starting point A of the section to be repeated. Then, repeat section signal (A<->B) will start flashing on LCD. When the ending part of the repeat section is playing, press REC button to set the finish point B, and section-repeat signal will stop flashing with selected section repeating automatically. Press REC button again to disable section repeat.

- INTRO PLAY

Intro play function plays beginning of 10second on all tracks to check the music and voice files that are in the memory. While the music is playing, press and hold PLAY button for over 1second, then "INTRO MODE" will appear on the LCD display. To listen to current track during intro play, just press PLAY button and disable intro mode.

- Voice Record

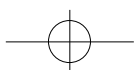
After setting it to Record Mode, press REC button to begin recording. To finish recording press REC button, then it will create DMF file.

When recording at FM Radio Mode, it creates DMF file and saves it on to record mode. To listen to the file, converse the mode to Record Mode.

- Connecting it to PC

When connecting DMP-100/R SERIES to PC using USB cable to download files, LCD display indicated USB CONNECTION and goes in to PC connection mode. If DMP-100/R is connecting to PC it will not play any files. So, disconnect the PC connection cable to play files.

When connecting DMP-100/R SERIES without battery to PC using USB cable, DMP-100/R SERIES work, When disconnecting, DMP-100/R SERIES power off automatically, Please power on DMP-100/R SERIES before using.



Use of Buttons

- MP3 Mode (SHORT means pressing it for short time and, LONG means more than 1second)

Button	Key Movement	When Stopped	While Playing
PLAY/STOP	SHORT	Plays Current Track	Stops Current Track
	LONG	Power off	Intro scan
FF	SHORT	Switch to Next Track	Play the Next Track
	LONG	Auto Increase of Next Track	Current Track Fast Forward
REW	SHORT	Switch to Previous Track	After 5sec, moves to beginning of the Track Before 5sec. Plays Previous Track
	LONG	Auto decrease of previous Track	Current Track Rewind
MENU		Menu	Menu
VOLUME +		Volume Up	Volume Up
VOLUME -		Volume Down	Volume Down
REC	SHORT		Stops Current Track
	LONG		Configuring and canceling section repeat
RADIO	SHORT	Switch to FM Radio MODE	-

- Record Mode

Button	Key Movement	When Stopped	While Playing	When Recording
PLAY/STOP	SHORT	Plays Current Track	Stops Current Track	-
	LONG	Power off	Intro scan	-
FF	SHORT	Switch to Next Track	Play the Next Track	INDEX increase only after 5seconds.
	LONG	Auto Increase of Next Track	Current Track Fast Forward	-
REW	SHORT	Switch to Previous Track	After 5sec, moves to beginning of the Track Before 5sec. Plays Previous Track	-
	LONG	Auto decrease of previous Track	Current Track Rewind	-
MENU		Menu	Menu	Change DISPLAY
VOLUME +		Volume Up	Volume Up	Volume Up
VOLUME -		Volume Down	Volume Down	Volume Down
REC	SHORT	Starts Recording	Stops Current Track	Stops Recording
	LONG	Starts Recording	Setting and Erasing Repeat Section	Stops Recording
RADIO	SHORT	Switch to FM Radio MODE	-	-

- FM Radio Mode

Button	Key Movement	FRQUENCY MODE	PRESET MODE	CONFIGURE STATION
PLAY/STOP	SHORT	Configures STATION	-	Configures STATION
	LONG	Power Off	Power Off	Power Off
FF	SHORT	Increase FM frequency minutely	Switch to Next Preset	Switch to Next Preset
	LONG	FM frequency AUTO SEEK+	-	-
REW	SHORT	Decrease FM frequency minutely	Switch to Previous Preset	Switch to Previous Preset
	LONG	FM frequency AUTO SEEK-	-	-
MENU		Enable Preset Mode	Disable Preset Mode	Enable Preset Mode
VOLUME +		Volume Up	Volume Up	Volume Up
VOLUME -		Volume Down	Volume Down	Volume Down
REC	SHORT	Starts or stops recording of Current frequency	Starts or stops recording of Current frequency	Starts or stops recording of Current frequency
	LONG	-	-	-
RADIO	SHORT	Disable FM Radio MODE	Disable FM Radio MODE	Disable FM Radio MODE

- When setting Station, if there is no key movement for 3seconds it will automatically be terminated.
- Earphone works as antenna for FM Radio. A better reception will be received by lengthening the earphone.
- Volume adjustment is available in plugging with earphone.

Configuring Menu Dial

Menu dial has 2 ways to operate (1) move up and down, (2) push and move.

Operate correctly by instructions from manual.

Selecting menu is done by (1) move up and down then pressing (2).
In this way, it will setup a selected part of the menu.

(1) moves up and down.

(2) press.



FF(+TRACK)

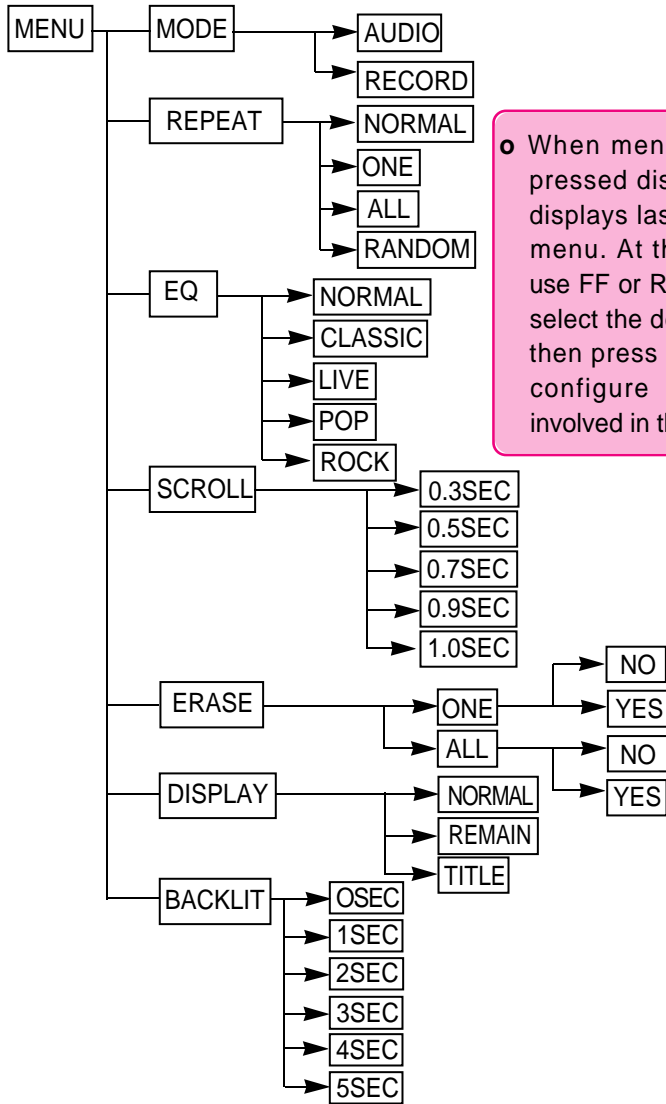
REW(-TRACK)



PRESS

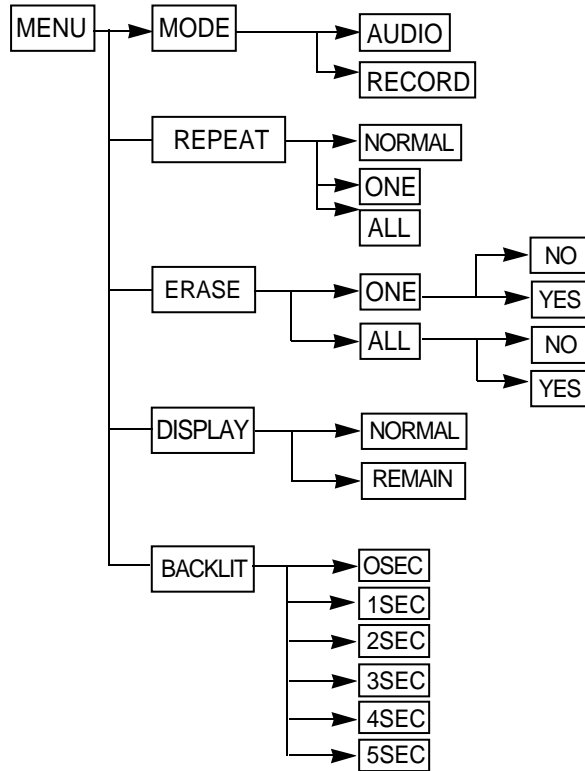
Configuring Menu from MP3/VOICE property when stopped

1. Menu from MP3 property when stopped



• When menu button is pressed display screen displays last configured menu. At this moment, use FF or REW button to select the desired menu, then press menu key to configure the details involved in that menu.

2. Menu from RECORD property when stopped



o When menu button is pressed display screen displays last configured menu. At this moment, use FF or REW button to select the desired menu, then press menu key to configure the details involved in that menu.

Menu Table

- MP3 Mode

MODE REPEAT EQ SCROLL ERASE DISPLAY BACKLIT

- o Use Menu button to select and configure each menu, and after moving and selecting upper menu, use FF and REW button to move through lower Menu.

1) MODE **MODE** AUDIO RECORD

AUDIO : Convert to MP3 or WMA FILE playable mode.

RECORD : Convert Line input and voice record mode.

- o Can't configure Menu when the players being played.

2) REPEAT **REPEAT** NORMAL ONE ALL RANDOM

NORMAL : Stop after playing all music in order.

ONE : Continually repeats selected music.

ALL : Continually repeats all music in order.

RANDOM : Randomly repeats all music in optionally given order.

3) EQ **EQ** NORMAL CLASSIC LIVE POP ROCK

Choose the equalizer user wants to use (NORMAL, CLASSIC, LIVE, POP, ROCK)

4) SCROLL SCROLL 0.3SEC 0.5SEC 0.7SEC 0.9SEC 1.0SEC

Control the speed of music information scrolling on display window between 0.3second through 1.0second.

5) ERASE ERASE ONE ALL

ONE : Delete one song displayed on LCD window.

ALL : Delete all songs in MP3 mode.

6) DISPLAY DISPLAY NORMAL REMAIN TITLE

NORMAL : Allow music information to scroll through LCD display once and count elapsed time from beginning.

REMAIN : Allow music information to scroll through LCD display once and count elapsed time backward.

TITLE : Allow music information to continuously scroll on LCD

7) BACKLIT BACKLIT 0SEC 1SEC 2SEC 3SEC 4SEC 5SEC

Turn off or set the time of background light (LCD light) between 0 to 5seconds.

- VOICE Mode

MODE REPEAT ERASE DISPLAY BACKLIT

1) MODE MODE AUDIO RECORD

AUDIO : Convert to MP3 or WMA FILE playable mode.

RECORD : Convert Line input and Record mode.

o Can't configure Menu when the player is being played.

2) REPEAT

REPEAT NORMAL ONE ALL

NORMAL: Stop all record files after playing it in order.

ONE: Repeat selected record file continuously.

ALL: Continuously repeats all record files in order.

3) ERASE

ERASE ONE ALL

ONE: Delete record file displayed on LCD window before the erase menu.

ALL: Delete all record files in voice mode.

o Can't erase when the music is being played.

4) DISPLAY

DISPLAY NORMAL REMAIN

NORMAL: Counts elapsed time of record file displayed on LCD.

REMAIN: Reverse counts the elapsed time of record file displayed on LCD.

5) BACKLIT

BACKLIT 0SEC 1SEC 2SEC 3SEC 4SEC 5SEC

Turn off or set the time of background light (LCD light) between 0 to 5seconds.

Recording from Voice Record Property

- Recording

- o Please select RECORD MODE to record on menu mode and can't record on MP3 mode.
- 1) Face the microphone sound source and press REC/STOP button.
It will start recording with, record number, record time, and progress displayed on display screen.
- 2) If you wish to stop recording, press the REC/STOP button one more time.

- o It is impossible to stop recording within 5seconds from start of recording.
Please beware that it won't stop recording even though REC/STOP button is pressed.
- o Don't need to look for empty space to record like cassette tape because when REC/STOP button is pressed it will start recording from the final number.
- o When recording for long period of time replace the battery to new one.
- o Please check the battery capacity before start recording.
- o Notice
Perform a test before the actual record to prevent failing.
When battery completely runs out during a record it will show low battery (LOW POWER) on display and power will shut off automatically.

- Checking leftover record time

You can configure between elapsed time and leftover time from display configuration at menu.

When files are being played, it's marked with elapsed time or leftover time of current message and when recording, it's displayed in elapsed time of current message, or leftover record time of flash memory.

- Record monitoring function

Connect earphones while recording to listen to what is being recorded.

- Separating files while recording

Separating file is possible through need of user while recording.
Use FF KEY to continue recording at next index and it has made it easy to determine the recorded information.

o Notice

- Do not take the battery out while recording. Recorded information can be erased or it won't function properly. Always take the battery out from stop position.
- If memory doesn't have enough space it won't start recording.
"MEMORY FULL" will be indicated when recording time is at full.
Check leftover recording time before recording and erase all needless files.
- Recording at MP3 mode property is impossible so when recording convert to record mode property then start recording.
- Recording up to 64 messages

Deleting

- Deleting is possible only from a stop position. (Deleting is same between MP3 and Voice property)

- Deleting each message

- 1) Use FF or REW button to select message to be deleted.

Press menu and use FF or REW button to select ERASE then choose 'one' After that, select 'yes' then message will be deleted with 'erasing' displayed on the screen.

- LCD message number will be pulled forward when messages get deleted.
- Notice: Deleted messages can't be recovered.

- Delete all messages

- 1) Use the menu button to select property(MP3 or RECORD) to be deleted.
- 2) Select the property to delete then press menu and use FF or REW button to choose ERASE and select 'all'.

After that, select 'yes' and all the messages in selected property will be deleted with 'Erasing...' displayed on the screen.

Now, LCD will display 'NO FILES'.

- Deleting H/D is possible through USB

- If all the memories from hard-disk function are used up, storing of recorded or MP3 files are impossible. So, please use it after arranging the files.

Connecting it to Exterior Device

- Connecting it to Exterior Device

It's possible to record recorded voices from this product to exterior device, such as cassette or MD using audio cable.

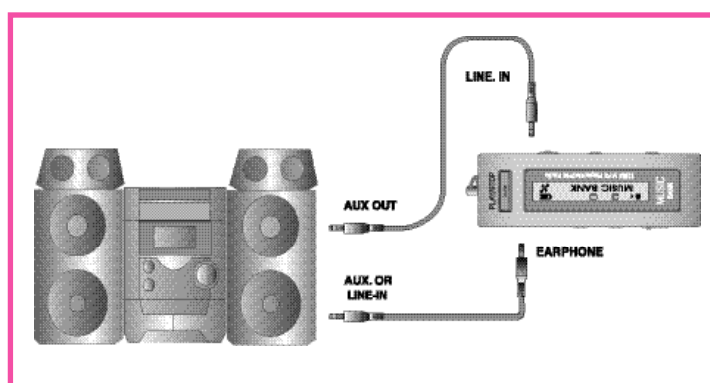
- Connect to Audio

1) When recording exterior device to DMP-100/R SERIES.

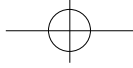
Connect additional audio cables to exterior microphone terminal and earphone terminal from exterior device or the output terminal of DMP-100/R SERIES.

2) When recording DMP-100/R SERIES

Connect additional audio cable to earphone terminal and microphone terminal from exterior device of input of DMP-100/R SERIES.



Connecting method with an audio



o Notice

- * When connecting it to exterior device turn the power off.
- * When connecting it to exterior device please carefully read and understand the manual before the connection.

- Record from Exterior Device

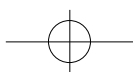
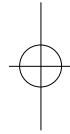
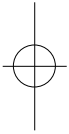
When recording from exterior device lower the volume of the exterior device and connect audio cable to the product.

Adjust the volume of the product to mid-position and do not change it during the record procedure.

- Recording it to exterior device

Start recording of the exterior device as soon as product itself is played.

(The timing is actually different between each device. So, do a previous check record before the actual record.)



FM Radio Receiving Function

- o Reference : Works only on FM radio applied model.
- o It's convenient to listen to broadcast with auto seek function.
If FF key or REW key is pressed over 0.5sec after setting to radio, it stops at a receiving frequency. Auto seek function will not give you precise broadcast frequency. At this situation, use REW or FF key for precise control.

- Configuring radio channel

- 1) Select radio mode by pressing radio button.
- 2) Frequency will appear on LCD. Select desired frequency using FF/REW KEY.

- Storing Channel

Select radio mode by pressing radio button.

- 1) Frequency will appear on LCD. Select desired frequency using FF/REW KEY.
- 2) When you press PLAY/STOP button 01 will blink where FM is indicated. Now use FF/REW KEY to select channel (01-10) you wish to store and press play button again to store it to selected channel then FM will be indicated again when it get stored. You can store it up to CH10 using same method.

* Confirming stored channel

When menu button is pressed 'Preset Mode' will be displayed then it will show stored channel and frequency.

Now use FF/REW KEY to select stored channel. When menu button is pressed from channel confirming mode, it will go back to FM frequency mode with 'Frequency Mode' displayed.

- Recording radio broadcast

- 1) Select desired recording radio channel through same step from radio channel configuring step1~2.
- 2) Press record button to start recording. Now recorded messages will be stored in index of voice next to last stored message. Message can't be increased during recording procedure. So, you have stop and start recording again.
Checking recording data during record is impossible and it can be checked from voice property after it's stopped.

What is Music Bank?

Music Bank is a program which plays MP3 files from computer to DMP-100/R SERIES, it's also a managing program that manages recorded voice or FM radio files (DMF) from DMP-100/R SERIES and has following features.


- Transferring(upload/download)files to DMP-100/R SERIES - MP3, DMF and normal data files
- Similar structure to Window Explorer for file managing
- Plays MP3, MP2, WAV, Audio CD, playlist
- Convert to MP3 from Audio CD (Encoding) - Option; convert function between WAV/MP3, convert MP3 Bit Rate function.
- DMF/WAV two way convert
- Convenient transfer of files using transfer list
- Various spectrum, equalizer, effect support
- CDDB function
- Convenient instruction manual

Minimum System Requirement for Music Bank.

- Pentium 200MHz
- 64MB Memory
- 20MB Empty Hard Disk Space
- 256bit Color
- Window 98/ME/2000/XP(NT Not Supported)
- USB Port
- CD-ROM Drive
- Sound Card, Speaker or Headphone

Connecting DMP-100/R SERIES and setting up Music Bank

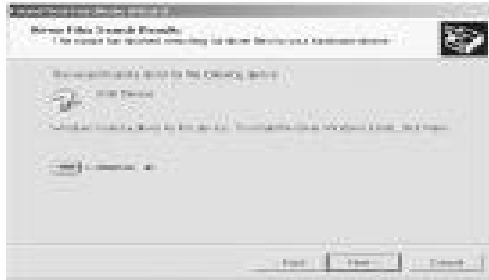
- (1) Insert DMP-100/R SERIES setup CD to CD-ROM drive and it will run automatically. If Auto-run doesn't work execute setup file "CD-ROM:\setup.exe" or "CD-ROM:\Music Bank\setup.exe". Setup will progress automatically, once setup is completed Music Bank will be registered to "DIASONIC" in start program.
- (2) Using USB Cable connect USB port terminal from DMP-100/R SERIES to USB port at PC. Then, "New Hardware detected" will execute and end automatically when using Window 2000. Now complete setup of USB drive and install Music Bank.

- (3)  Connect DMP-100/R SERIES and PC using USB port cable. 'New Hardware Detected' will run automatically, new click on 'NEXT' button.

- (4)  Select ' Search suitable drive for device ' and click on ' NEXT ' button.

- (5)  Select CD ROM drive and click on ' NEXT ' button.

(6) Searched USB driver file and click on 'NEXT' button.



(7) Click on 'NEXT' button to finish wizard.



(8) Once USB drive setup is completed, check for setup progress from device manager at My Computer.



* Verify if USB is installed right, or the cable is connected properly.
If DMP-100/R SERIES isn't found after launching Music Bank.

Composition of Music Bank

Appearance of Music Bank



(1) Playing MP3, WAV, CD and DMF

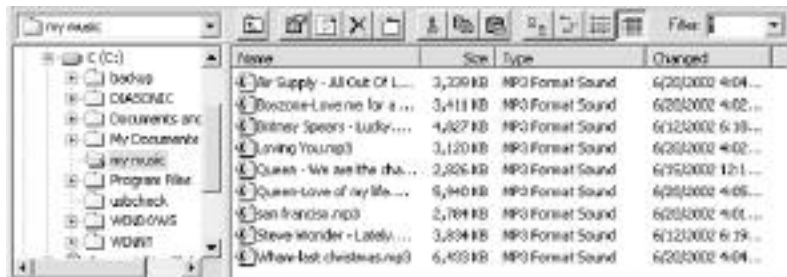


Double click on MP3, WAV, Audio CD Track and DMF file on file manage window or use drag and drop to playlist for instant play. Also, you can select file then press play. Through LCD window progress of music and title will scroll from right to left, and you can see two kind of magnificence spectrum window.

Play and stop files through control panel on the right side of the screen. Adjust volume by using +,- button. Click on red position bar to move the position of current playing music.

To make **MP3** files select a track from audio CD then press MP3 encoding button. (Option)

(2) Managing DMF file and MP3 file



File managing part of Music Bank is very similar to Window Explorer. Left part of the window shows the hard disk and CD-ROM drive installed in system with its inside folders. Right part of the window shows various files inside folders..



Basic setting is to show all the files on the screen, but you can select MP3 files or other various files by using filter function on the upper right corner

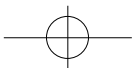
Also, transferring and copying of the files can be used in the same way as explorer.

Using this file managing function, separation and keeping of MP3 files in other folders are possible.






(3) Flash Memory Managing of DMP-100/R SERIES



Very low section of Music Bank is a part that manages flash memory installed in DMP-100/R SERIES and transferring list. If DMP-100/R SERIES is properly connected it will show red light lamp with a phrase saying 'Music Bank is Working' just like picture at the top. The MP3 files which user sends to flash memory of DMP-100/R SERIES will appear on low right window and file size and left over space of memory will be marked with graphic screen.

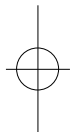


Buttons

Button	Function	Particular Information
	Print	Prints file list in flash memory.
	Reload	Re-reads the information on flash screen.
	Delete	Choose the file stored in flash memory, then press this button to delete the file.
	Transfer to flash memory	Choose the files to be move to flash memory for file manage window, then click this button to transfer(download) selected file to flash memory.
	Transfer to computer	It is used to move file to computer from flash memory.






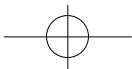
* Uploading of MP3 file is disabled.



Just like managing folder in computer, Music BANK is divided into 3 folders and can be played by each folder.

Album select buttons

Button	Function	Particular Information
	Select MP3 Folder	Used in MP3 Mode
	Select VOICE Folder	Used in Voice Record Mode Only Save/create DMF files
	Select HD folder	Used in HD folder



Spectrum Screen and Sound Effect

Music Bank shows fascinating spectrum screen. Basic setting is same as picture at bottom but, screen changes in various ways by clicking left button of mouse.



- Spectrum screen of Music Bank 1

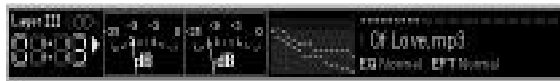
This changing spectrum screen can be used by users taste. Following pictures are example of some features.



- Spectrum screen of Music Bank 2



- Spectrum screen of Music Bank 3



- Spectrum screen of Music Bank 4





- Spectrum screen of Music Bank 5

Other than this spectrum screen, various equalizer and sound effect can be use to listen to music more wealthy and powerfully.



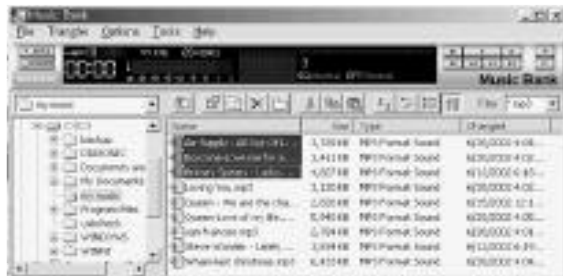
The equalizer freesets supported by Music Bank are normal, rock, pop, jazz, classic, and vocal, by clicking left button of mouse on red light freeset configuration change them in order. Also, Voice Bank has many kind of effect. Supported effects are normal, room reverb, big room, hall reverb, stage reverb, stadium reverb, cathedral1, cathedral2, air duct reverb, metallic reverb, simple reverb, alien 1, alien 2, bass boost, mega bass boost, simple echo, distance echo, long echo, alpia echo, double echo, strange FB1, and strange FB2. By using this effect can experience various sounds.


Transferring MP3 File

It's very simple to transfer MP3 file to DMP-100/R SERIES. First select MP3 file from file manage window then choose Folder manage window . And, use drag and drop to flash memory window, or press 'Download to flash memory'  icon or same operation.

Transfer MP3 files by following method.

- 1) Select MP3 files from file manage window.




- 2) Select  from folder manage window, then click 'Download to flash memory'.




- 3) Selected MP3 files are being transfer to flash memory of DMP-100/R SERIES.

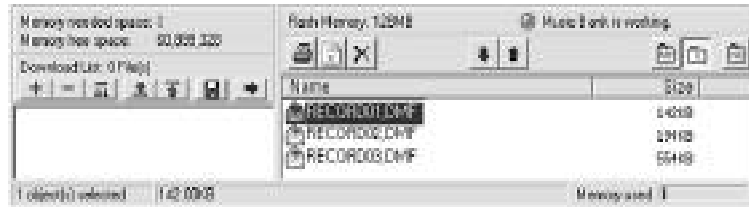


Transferring DMF Files to Computer

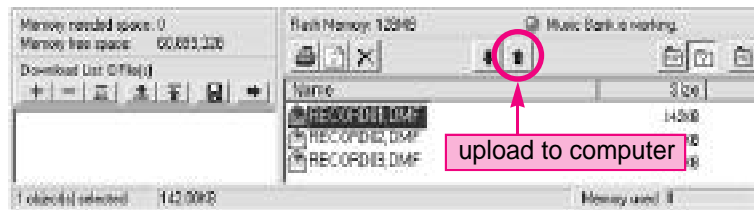
It's very simple to send DMF files from DMP-100/R SERIES to computer. Select  from previously mentioned folder manage window and choose DMF file from flash memory manage window, then click 'upload to computer' icon from flash memory manage window.

Transfer DMF files to computer by following method.

- 1) Choose  from folder manage window and select DMF files to transfer from flash memory manage window to computer.





- 2) Click  "upload to computer".



- 3) Selected DMF files are being transfer to computer.

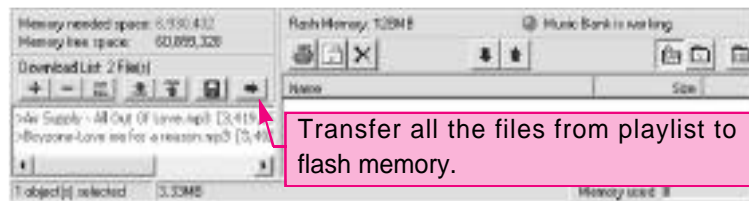


- The way to transfer DMF file to DMP-100/R SERIES is choose DMF files then  select from folder manage window then, select  icon. Rest of procedure is same as transferring MP3 file to DMP-100/R SERIES.

Through page 33), 34). You can easily transfer DMF or MP3 files in flash memory. Once the transfer is over, status bar at low part of Music Bank shows size of the transferred file and use of memory.

+To transfer file at once use button or drag and drop to keep files in transfer list. It's convenient to send files from lot a different folders and manage files by making play list.


Transferring files from transfer list is shown below.



Deleting Mp3 File and DMF File

Deleting MP3 or DMF files stored in flash memory of DMP-100/R SERIES is same as deleting files in explorer. Select one of the stored file from flash memory by clicking left mouse button, then press 'delete' button from tools at flash memory manage section.

Through following steps, you can delete MP3 and DMF files from flash memory.

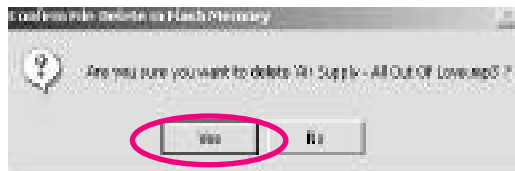
- 1) Select file to be deleted, then from click on 'delete'  button from tools.



DMF File

MP3 File

- 2) Ask to confirm 'delete'. Select 'Yes'.



- 3) After few seconds file will be deleted from flash memory of DMP-100/R SERIES.

* Select file from flash memory manage window then click right mouse button for pop-up menu. Deleting and transferring are possible from this menu.

Resetting Flash Memory

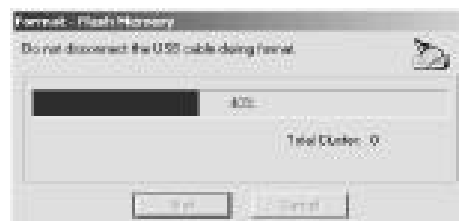
Just like formatting hard disk on computer flash memory used in DMP-100/R SERIES can be reset (format). All the data from flash memory will be lost when formatted.

1) Select 'file-format flash memory' from menu Music Bank.



* Click right mouse button from empty spot at flash memory for pop-up menu. Formatting flash from this menu is possible.

When format window appears press 'start' to start formatting

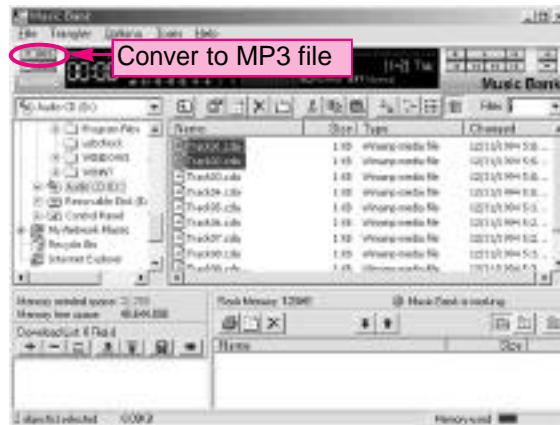


Directly Transferring Audio CD Music to DMP-100/R SERIES(Optional)

Music Bank allows user to easily convert audio CD to MP3 files, and transfer converted file to flash memory of DMP-100/R SERIES. When converting audio CD to MP3 it is stored as MP3 without passing the step of changing into WAV file, so the converting speed is very fast. All this operation is done just by pressing MP3 convert button from music bank.

Following figures shows step of converting MP3 files from audio CD then transferring them to DMP-100/R SERIES.

- (1) On the left side of file manage section, select audio CD inserted CD-ROM drive, then select audio track to transfer to DMP-100/R SERIES from the right side of the file manage window. Next, click 'convert to MP3 file' button.



- * Select track file(.cda) from audio CD then press play button or double click the file to play audio CD.
- * If it's an Enhanced CD, you can't directly select track file even if you select audio CD. In this situation, press right mouse button at 'change MP3' for the menu. From there, convert the track to MP3 file.

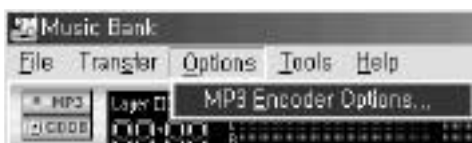
(2) Decide place to store MP3 file and the title of the file.




(3) It's converting audio CD to MP3 file.



* Configure MP3 encoder transfer rate(Bitrate), channel, sound quality through selecting 'Option-MP3 Encoder Option' from music bank.

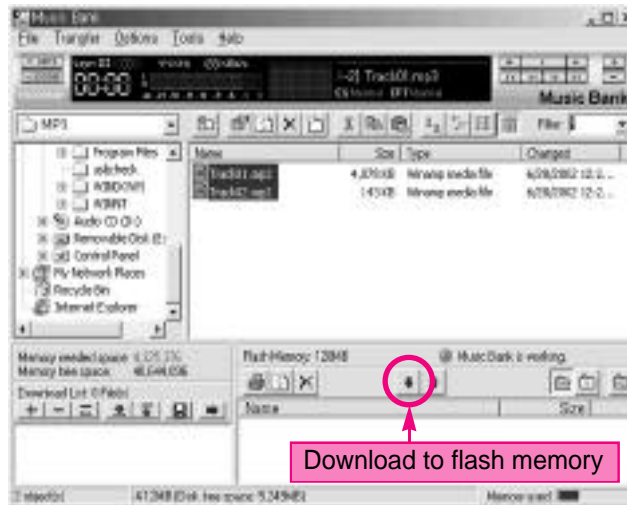


* When you press  button, you can receive information such as singer, title of the song and etc.. from internet. To use CDDB, connection to internet is needed, but cause of network condition or use of proxy server might give bad connection.

(4) All the steps are completed. Press 'Close' to close MP3 conversion window.



(5) When it completes converting MP3 file it automatically open the folder of where MP3 made it to at Music Bank. Now, select those files and press 'Download to flash memory' to start transferring.

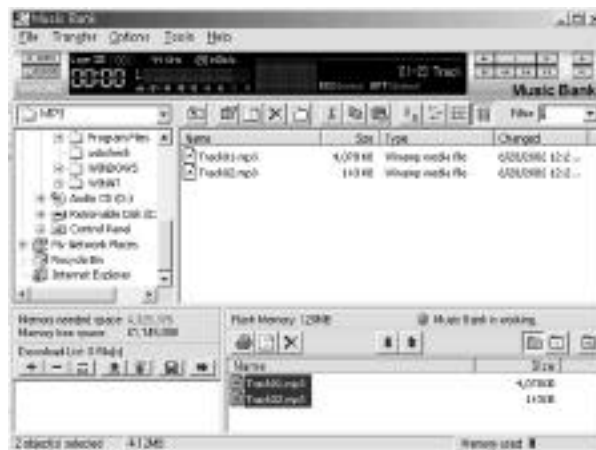


* When audio CD is selected from file manage section, you can directly select tracks. Select audio CD to transfer to DMP-100/R SERIES. Then use drag and drop or 'Download to flash memory' button to transfer, when it's transferring it will automatically change to MP3 files.

- (6) MP3 files made from audio CD are being transfer to flash memory of DMP-100/R SERIES.



- (7) Completed transferring MP3 files made from audio CD to flash memory of DMP-100/R SERIES. Now, DMP-100/R SERIES will play the music.




* Use 'MP3 Bitrate conversion' to change selected file to MP3 encoder bitrate files.

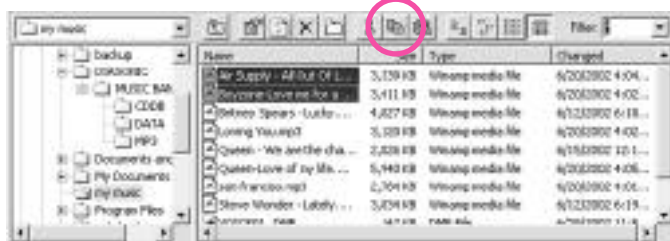
(Ex:128Kbps MP3 file --> 96Kbps MP3file)




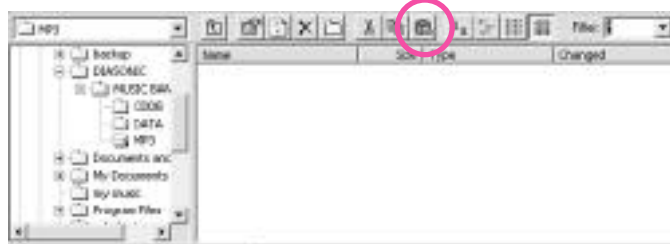
Manage files using music bank

It's convenient to manage MP3 and DMF files by using Music Bank. Make folder at a position you want, copy and save frequently listened MP3 and DMF files. And, useless MP3 and DMF files can be easily deleted by using delete button.

- 1) Select file, then click 'copy'  from tool menu.



- 2) Move to a folder desire to copy files to, then use 'paste'  from tool menu.



- 3) Files are copied and saved at designated folder.



Mail Manager

- Play/Record DMF file
- Voice mail function : auto appending at mail program
- Creates self play function : voice file+player
- Edit DMF file : delete front and rear, middle insert record function
- 16various voice effect



Mail Manager is a program that plays self created voice DMF from DMP-100/R SERIES. It can send voice mail or record and keep conference meeting and lectures.

Mail Manager send and receive voice mail through e-mail or network without typing or writing letters. To send voice mail by mail manager use DMF file recorded from DMP-100/R SERIES, or simply press record and send recorded voice without any difficulties, and If recorded DMF file from mail manager is sent to DMP-100/R SERIES, it can be played through DMP-100/R SERIES.

Mail Manager supports mail program like exchange, internet mail, outlook, outlook express, and Netscape, with use of drag and drop sending voice mail through other mail program and network program is possible. One of the special function about mail manager is that it creates tiny size combined voice data and player in executable file (.exe), voice mail can be sent even receiver don't have mail manager. Also, changing original voice through use of various voice effects like reverb, echo, robot voice, helium voice makes interesting voice mail.

(1) Voice Recorder

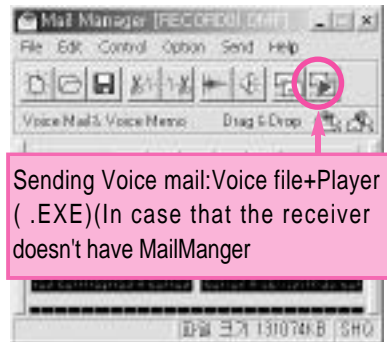
Has Voice mail, Voice memo function, and uses high-quality sound compressed function to make or play recorded DMF files.

- Play
- Pause/Stop
- Record (Half way insertion record possible)
- Move forward
- Move Backward

(2) Convenient use method

Auto-append of voice mail to mail program.

- Press 'record' button
- Say the message
- Press 'Stop' button
- Finally press 'send' button and mail window with voice mail attached will appear.



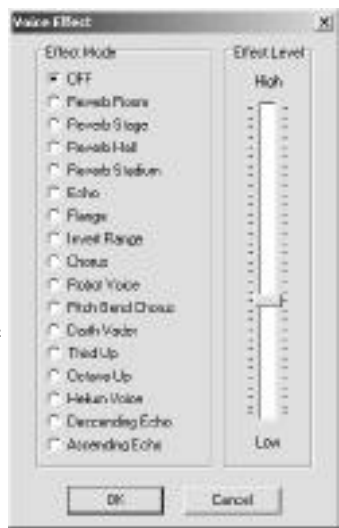
To do a proper recording or playing volume must be adjusted at appropriate level. Adjust [volume control]from window to control wave volume, and select [recording] at [property] from [option] the select [microphone] from volume control window to adjust volume at right level.

(3) Production of self play function

- Creates little size of executable file combined with voice file and player.
- If self player formed mail is sent receiver can listen to it even without mail manager.
- From 'save as' save in 'voice mail+player' from and it will create self player with executable file(.exe)

(4) 16Digital voice effect

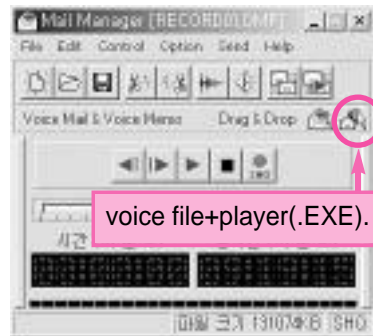
Change recorded voice to various voices.



16Digital voice effect

(5) Drag and Drop

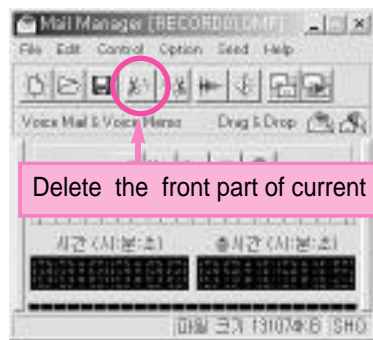
If use drag and drop function of mail manager attaching voice mail to other mail program or network emulator not supported by mail manager will be possible. Press left button of mouse on drag and drop to add voice mail to other program. Now, Use two drags and drop icon, choose between voice file+player.



(6) Simple edit function

By simple edit function deleting of front and rear part of recorded messages are possible, and after recording if mis-record is found, delete the mis-part and just record that part again.

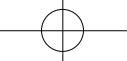
- delete front part of current position
- delete rear part of current position



(7) Supported mail program

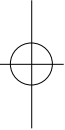
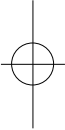
- Exchange
- Internet mail
- Outlook
- Outlook express
- Netscape(manual attach of voice mail)





(8) Shorten Keys

Support of shorten keys, control of mail manager is possible while using other program.

- F2 : Play
 - F3 : Rewind
 - F4 : Fast Forward
 - F5 : Stop
- 
- 

GENERAL SPECIFICATIONS(DMP-100/R)

Model	DMP-100/R	
File type	MPEG 1/2 LAYER 3, WMA(Over 64kbit)	
Bitrate	32Kbps~320Kbps(MPEG 1/2 LAYER 3)	
Signal vs noise rate	85db (1KHz input 0db at USE LPF 30KHz)	
Magnifications	0.3%+/-0.05 (1KHz input 0db)	
Frequency respond	20Hz~20Khz	
earphone	Max. 5mW(16ohm)	
Play mode	EQ : NORMAL, ROCK, POP, CLASSIC, LIVE	
Search play	Play each track 10 seconds	
Search	Easy track search	
Repeat	One song , all song ,section random	
Download speed	Max. 4Mbps(500Kbyte)	
EL/ BACK LIGHT	Blue	
Memory	Nand flash memory(64M/128M)	
AUDIO IN JACK	MONO DIRECT RECORD	
Key control	REC/FF/PLAY/REW/MENU/VOL+, VOL-/HOLD/RADIO	
Remote control	FUNCTION/PLAY/FF/REW/REC	
PC interface	Network	USB 1.1
	System requirement	Pentium 200Mhz, 64mb memory, 20mb hard disk space
	OS	windows98, windows2000, windows ME, windows XP
	Sound card	Sound blaster compatible 16
	Display	Screen display above 640X480
	Earphone	ϕ3.5 earphone(mini plug/stereo) IMP less than 16ohm
	USB	Mini jack (PC : A TYPE)
LCD 128x16DOT	Track	01~64(TRACK)
	Equalizer	NOR, ROC, POP, CLA, LIV
	Count	0h00m00s
	Repeat	A-B REPEAT / ONE REPEAT / NORMAL REPEAT / ALL REPEAT / RANDOM REPEAT
Power	1.5V, LR03, alkaline batteryx1EA("AAA"size or UM-4)	
Battery period	Play MP3	Approx. 7hours of play time from mid-sound output
Accessories	Cable to connect to Exterior device (1) / Install CD(1) / neck strap(1) / Stereo earphone(1) /battery(1) / USB cable(1) / manual(1)	
Size	86 x 28 x 16	

Product Warranty

- Request A/S

When breakdown of something occurs, stop using of the product and request for After Service from sales market or Diasonic Technology Co.

Company Representative: 82-31-474-0852

- Warranty(warranty regulation)

We promise a fare free repair service by information mention in this warranty card.

If breakdown occurs during warranty period bring product and the warranty card and visit sales market or our company.

It will be invalid if purchased year, month, day, name of sales market are missing.

Please check and if the information is not written on the product refer to sales market.

This warranty will not be reissued, so keep it safely.

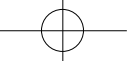

<Fare free repair regulation>

1. Our product has went through strict quality control and inspection

By caution information written in instruction manual and if breakdown occurs from normal condition during warranty period, you may receive fare free repair from sales market of our company.

2. Even in warranty period, following situation will not service you free repair.

- 1) If you don't have warranty card
- 2) If purchased year, month, day, name of customer and sales market are not written on the warranty card. Or if written information is modified.
- 3) Breakdown or damage by mishandling of user
- 4) Breakdown or damage by users own repair or modification.
- 5) Breakdown or damage caused by fire, pollution, and any natural disaster.

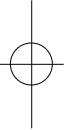
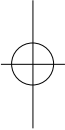
- 
- 
- 6) Breakdown or damage by overflow from battery.
7) When accessories(battery) need replacement.
4. This warranty card is only valid for service in Korea.

(Request when mailing)

Please beware of following when mailing.

1. Please enclose warranty card with the product when mailing during warranty period.

Please wrap in shock absorb material and put in box, mailing fee, wrapping fee, and any damage caused during mailing will be charge to a customer.

2. To prevent loss, please use registered mail.
- 
- 

WARRANTY CARD

Product : MP3
MODEL : DMP-100/R
Warranty period : 1year
Purchased date : / /

Purchaser	Name	
	Address	
	Phone	
Seller	Name	
	Address	
	Phone	

- Please refer to sales market of Diasonic Technology Co. for any information or breakdown on the product.
- Exchange, repair(charge. free), refund and parts keeping period is depended on regulation of customer protection
- Any questions or if you want to know more information about the product please contact Diasonic Technology Co.

Diasonic Technology Co.

- 321-46, Suksoodong, Manangu, Anyang city, Gyunggi province, Korea Republic
 - Telephone No.
 - Representative No. : 82-31-474-0852
- Homepage : <http://www.diasonic.com>**

This warranty card is only affected in Korea, and kept safely because it's needed for fare free repair service.