

DIGITAL VOICE RECORDER & AUDIO PLAYER

MODEL : DDR-3032/DDR-3064/DDR-3128

DDR-3032R/DDR-3064R/DDR-3128R

User's Manual



Thank you for choosing our DIGITAL VOICE RECORDER&AUDIO PLAYER of DIASONIC TECHNOLOGY Co. LTD. Before use, read through the User's Manual carefully, then, enjoy the player appropriately and safely. While using, we advise you to keep this user's manual to avoid possible technical difficulties.

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- MP3 files should not be used for the purpose of commercial use or service other than personnel use. It is in conflict with the domestic copyright law in case of below.
- It is prohibited to copy recorded matter other than the purpose of personnel enjoyment by law.

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.

INFORMATION TO THE USER

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

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

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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3. Standard of Manufactures

4. Warranty Card of the Product

Suggestions for users

- Do not drop or shock the device. It can cause technical trouble.
- Please try to avoid such places.
 - The place of high temperature(above 60°C)
 - Direct rays of sunlight or right next to a heating apparatus
 - Inside of tightly-shut car(especially in summers)
 - Humid places(bathrooms)
- Overpressure can cause damage on liquid crystal display(LCD), and it can also provoke malfunction because of its own features.
- If you put credit cards or commuter passes next to speakers, it will change the magnetic attraction so that you cannot use your cards any more.
- DIASONIC TECHNOLOGY Co. cannot be held responsible for any kind of damage by the use of this product or reparation for injury by a third party [or individuals].
- DIASONIC TECHNOLOGY Co. does not have any responsibility for the loss of data in a memory except the one that happens while repairing and mending technical faults of the product.
- Users should not repair, remodel or take the product apart by themselves.
- Do not use the device on such places where the use of electrical machines is prohibited.
- While operating one function of the product, do not try other functions.
- Applying heat to the body of the product or to batteries is inappropriate.
- While using the product, do not adhere main device closely to the part for insertion of support appliances.
- If a customer or a third party [or individuals] uses the device in an inappropriate way, or if main device get shocked, data in a memory can be changed or lost without warning.
Save important data in other ways.

About DDR-3000/R SERIES

DDR-3000/R SERIES is the recording and playback device with high quality of sound and with intensive and excellent technology of DIASONIC TECHNOLOGY. It provides customers various ways to record (SHQ/HQ/SP/Timer Recorder Function) and to play (ALARM/PLAY / speakers playback/ earphone playback/ real time playback), and you can also enjoy MP3 files, which are digital compression music files, in various ways. DDR-3000/R SERIES is the portable digital audio device for next generation with function of receiving and recording FM radio signals and broadcast.

● Polished, Sophisticated, Extremely Small Size & Solid Exterior

DDR-3000/R SERIES adopted the function of SAMPLING with high quality of sound such as SHQ/HQ/SP so that it supports high quality-voice recording and playback technology. We guarantee that additional MP3 technology satisfies consumers' demands.

● Extension of Additional MP3/HD Function

Voice recorder together with various function of MP3 player (equalizer/repeat function) can correspond to the advantage of MP3 players, and you can enjoy portable data-storage system or portable hard disk-storage system.

● FM Radio Broadcast-Receiving & recording(optional function)

You can enjoy both receiving and recording FM radio signals and broadcast and real time FM recording.

● BACKLIGHT

Even at night, JOG button will help users set menu easily so that they can see and check the display of LCD of DARK-BLUE colors with attached BACKLIGHT on the back.

- **Additional DVR-EXPLORER / MAIL MANAGER**

DDR-3000/R SERIES is the player, which is convenient when transmitting recorded data, and MP3 files from one PC to another, and which helps regenerating, managing saved data and sending data through e-mail.

- **ALARM/PLAY, TIMER/REC, SETTING UP TIMER**

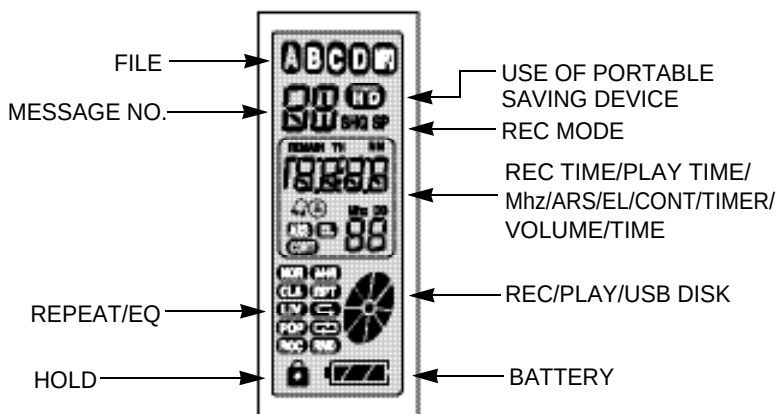
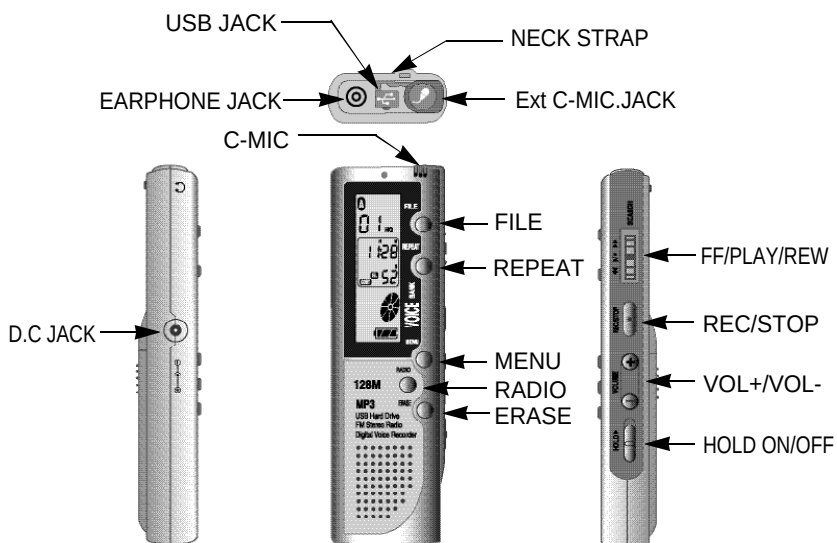
DDR-3000/R SERIES sets up timer or alarm to record or play messages or songs at any time, and it helps recording or playback be processed smoothly.

Functions and Features

- **USB INTERFACE:** supports quick uploading and downloading.
- **Display of time on LCD screen**
- **Saved calendars up to year of 2099**
- **Thin & slim design for portable and convenient use**
- **Hidden high quality-microphone inside of the device**
- **Total 396 messages with 4 separate files (99 messages in each file)**
- **ARS (Automatic Recording System):** prevents unnecessary recording when there is no sound or voice so that maximizes the time of recording (A/B/OFF).
- **KEY HOLD FUNCTION:** prevents accidental operation when not in use.
- **REC MODE:** for appropriate quality, time and purpose (SHQ/HQ/SP)
- **RECORD DATE FUNCTION:** shows time, date, and year of recording.
- **REMAIN FUNCTION:** shows remain time for recording and playback.

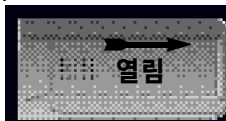
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- **TIMER RECORDER FUNCTION:** can receive and record radio broadcast automatically -daily, weekly or monthly.
 - **ALARM PLAY FUNCTION:** can play messages automatically at requested time after setting time and date.
 - **Repeat & A-B Repeat function:** can play as long as you want to, and you choose the intervals between two part that you want to listen.
 - **AUTO OFF FUNCTION:** turns off power automatically after one minute with no other work or operation.
 - **SEARCH PLAY FUNCTION:** searches(forward, backward) the part that you want to listen fast and easily.
 - **MONITOR FUNCTION:** you can listen to the contents with earphones while recording.
 - **H/D(32M/64M/128M) FUNCTION:** can substitute for portable hard disks.
 - Digital output Volume control(30 levels)
 - Various equalizer modes(normal, rock, jazz, classic, pop)
 - Various repeat function (NORMAL/INTERVAL REPEAT/1 TRACK/ALL TRACK/RANDOM)
 - On/off function of backlight on LCD (dark-blue)
 - Downloading MP3 files / playback with various modes.
 - Simultaneous recording function: can receive and record radio broadcast (TIMER/REC): optional.

Names of Each Part/ LCD Indicator



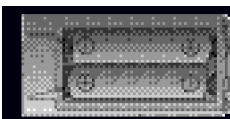
Use of Battery and Components of Package

1. Open the cover of battery.



2. Put two LR 03 batteries in accordance with (+) (-) of inside of the device, and put the cover back on.

Battery: LR 03 or similar batteries of same kind (size "AAA" or UM-4)



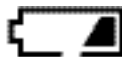
3. Check the extra lifetime of battery by pressing PLAY/STOP button or REC button.



Enough power



Battery has consumed
slight amount of power.



Battery has consumed
plenty of power.



Battery needs to be changed.

※ Caution

If LCD screen does not work even with new batteries, check polarity of batteries immediately.

In the case that LCD screen does not work in spite of appropriate setting of polarity, remove the batteries and ask for repair.

※ Note

If you leave batteries unused in the device for a long time, it would be wasted.

4. Lifetime of Battery

Battery in use	Recording	Playback through speaker (Level of Volume: Medium)	Playback through earphone (Level of Volume: Medium)
Alkaline Battery Size "AAA" LR-03	About 15 hr.	About 9 hr.	About 15 hr.

5. Suggestions when using batteries

- Do not mix and use different kinds of batteries at the same time.
- Remove batteries when you do not use the device for a long time.
- If you use charging battery, read the direction of a battery or a charger carefully before use.

6. Components of Package

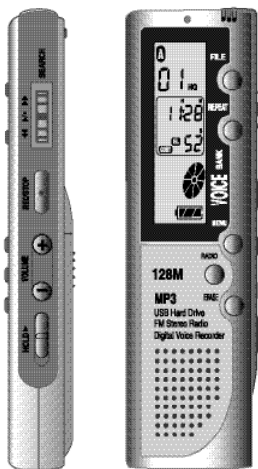
SETERO EARPHONE , TELEPHONE ADAPTOR , INSTALL CD
LINE/IN CABLE , USB CABLE , EXTERNAL MIC, BATTERY , NECK
STRAP , AC ADAPTOR (OPTION), TX 2000(OPTION) ,
REMOCON(OPTION)

Basic Directions for Use

● Power ON/OFF

After pressing Playback or REC button for 1 second, power is on as soon as LCD screen displays as the picture shows below.

If no button gets any order in 1 minute, player turns off power automatically.



※ We recommend you to set time right after purchasing DDR-3000/R and inserting supplied batteries.

If you do not set time, you cannot enjoy various functions such as ALARM/PLAY, TIMER/REC and etc.

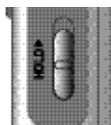
(Go to Page 14 on User's Manual to see how to set up SET mode)

● How to Use HOLD Switch

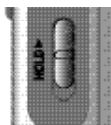
If HOLD switch is fixed upward, any switch button does not work except DISPLAY switch.

Fix HOLD switch upward if you want to keep recording and not to work with the player for a while.

Before use, check the HOLD switch is fixed downward, and then, turn on the power.



HOLD
OFF



HOLD ON

You can not use other switches.

How to Use Buttons

● VOICE FILE SECTION(A/B/C/D)

Key Action: — means short press, and —— means long press(more than 1 second).

BUTTON	KEY ACTION	WHEN PLAYER IS NOT WORKING	WHEN PLAYER IS RECORDING	WHEN PLAYER IS PLAYING
▶■	—	Start playing current index	Check the memory capacity	Stop playing index
	——	Start scanning and playing from current index	X	Stop playing index
▶▶	—	Forward to next index	Start recording on next index	Start playing next index
	——	Automatic conversion to search index	X	Current index search & consecutive search
◀◀	—	Conversion to previous index	X	Playing previous index in case less than 5 seconds, Playing the first part of playing index in case over 5 seconds
	——	Automatic conversion to search index	X	Playing from the beginning after searching current index contrariwise and return to the beginning
●/■	—	Start recording after conversion to +index	Stop recording	Stop playing current index
	——	Start recording after conversion to +index	Stop recording	Stop playing current index
MENU		Set menu	X	X
VOL+		Turn up the volume	Turn up the volume in case of motoring	Turn up the volume
VOL-		Turn down the volume	Turn down the volume in case of motoring	Turn down the volume
REPEAT	—	X	X	Repetitive playback of current index
	——	X	X	A-B repeat & playback current index
ERASE	—	Erase indexes of all files	X	X
	——(5sec)	Delete indexes of all files	X	X
	+ FILE	Erase files	X	X
FILE		Change of sections-A/B/C/D/MP3/HD	X	X
RADIO		Receive FM radio signals	X	X

Note) Instant recording function: For your convenience, after pressing REC button for 2 seconds, it turns on power and starts recording at the same time even when power is off.

● FM RADIO SECTION(RADIO KEY)

BUTTON	KEY ACTION	WHEN RECEIVING FM SIGNALS	WHEN RECORDING FM RADIO BROADCAST
▶/■	—	Start to create and set channels for each FM station	X
▶▶	—	Select channel memory(01~10) and frequency	X
◀◀	—	Select channel memory(01~10)and frequency	Increase +index
●/■		Start to record FM radio broadcast	Stop recording FM radio broadcast and start receiving FM signals
MENU	—	Set menu	X
	--	Change to FM memory channel mode and release	X
VOL+		Turn up the volume	Turn up the volume
VOL -		Turn down the volume	Turn down the volume
REPEAT		X	X
ERASE		X	X
FILE		X	X
RADIO		Stop receiving FM signals	X

Note) Earphone works as an antenna.

The longer line of earphone, the more clear quality of sound.

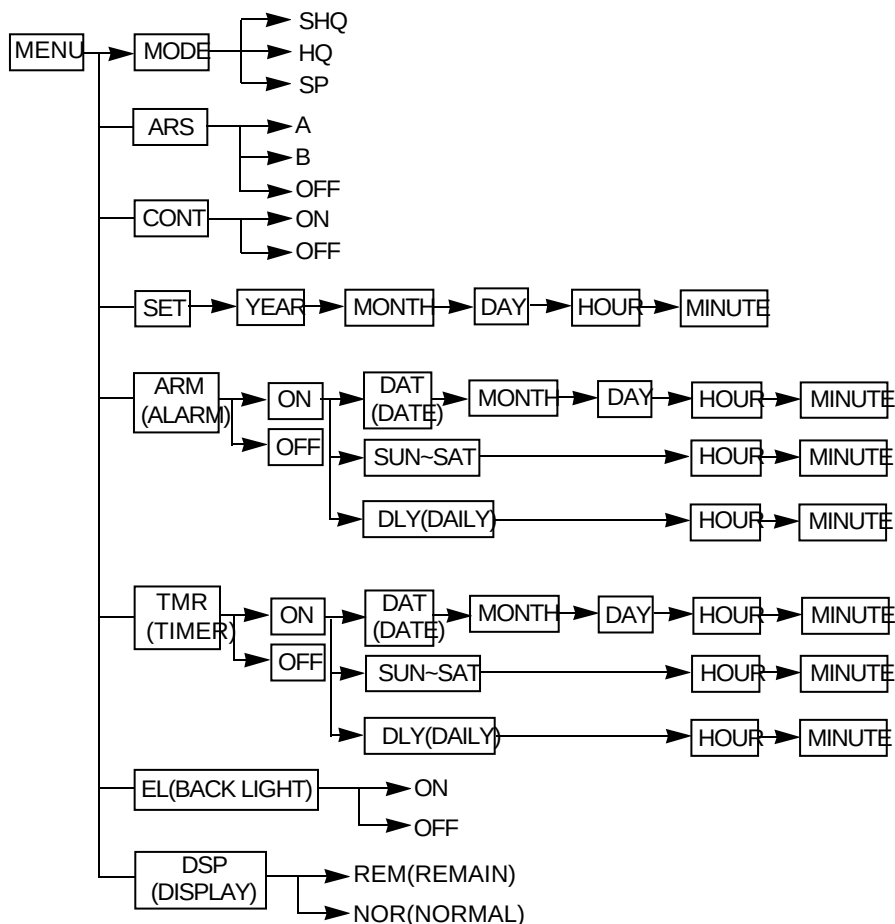
● MP3 FILE SECTION(MP3)

BUTTON	KEY ACTION	WHEN PLAYER IS NOT WORKING	WHEN PLAYER IS PLAYING
	—	Start playing current track	Stop playing track
	— —	Start scanning/playing from current track	Stop playing track
	—	Conversion to next track	Start playing the next track
	— —	Automatic conversion to search track	Current track search & consecutive track search
	—	Conversion to previous track	Playing previous track in case less than 5 seconds, Playing the first track in case over 5 seconds
	— —	Automatic conversion to search track	Playing from the beginning after searching current track contrariwise and return to the beginning
	—	Start recording +index after changing A FIEL	Stop playing current track
	— —	Start recording +index after changing A FIEL	Stop playing current track
MENU		Set menu	Perform equalizer
VOL+		Turn up the volume	Turn up the volume
VOL -		Turn down the volume	Turn down the volume
REPEAT	—	X	Repetitive playback of current track(NOR/RND/ONE/ALL)
	— —	X	A-B repeat & playback current track
ERASE	—	Delete current track	X
	— — (5sec)	Delete tracks of MP3 files	X
FILE		Change of sections- A/B/C/D/MP3/HD	X
RADIO		Receive FM radio signals	X

Note) WMA files can only be applied to DDR-3064/DDR-3064R/DDR-3128/DDR 3128R MODEL

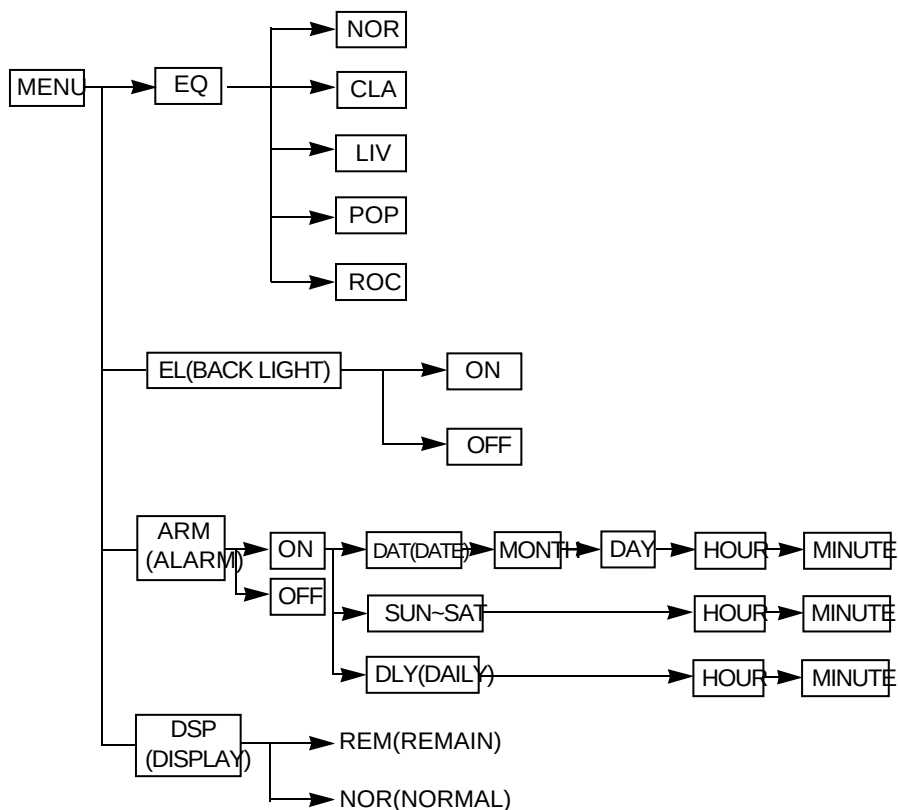
How to set Menu in VOICE/MP3/FM Part

1. Map of menu-Voice section



※ When pressing menu button, choose MODE. Then LCD screen shows you contents of MODE. After you choose the part that you want by moving PLAYBACK button upward and downward, then press the button and save it in memory.

2. Map of Menu-MP3 Part

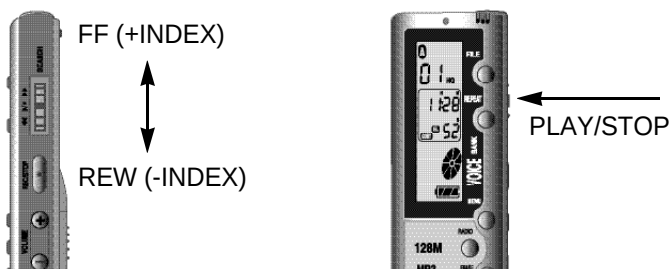


※ When pressing MENU button, choose EQ. Then LCD screen shows you contents of EQ . After you choose the section that you want by moving PLAYBACK button upward and downward, then press the button and save it in memory.

Operation of Playback Dial

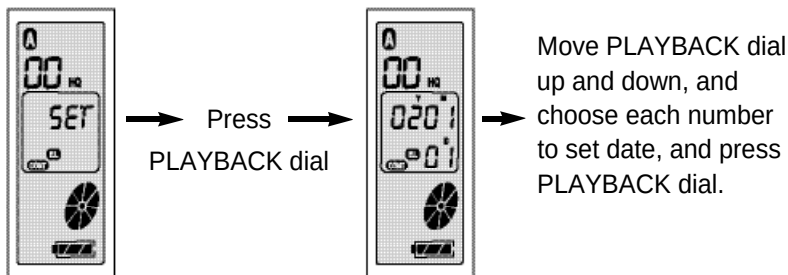
Move Playback dial upward and downward, (2) press it in one way (you can press it in two ways) Handle the dial correctly as User's Guide reads. When setting menu, (1) move the button up and down (when it is moving up and down, playback dial does not work), and (2) press it. Then the section of menu is set.

- (1) Move the button up and down (2) Press it in one way as you want.



● Before you start recording, you need to set date, time first.

- ① Press MENU button. It will show you "MODE" sign.
- ② Move PLAYBACK dial up and down, and choose SET mode, then press PLAYBACK dial. Number of year will flash. Choose each number of year and press PLAYBACK dial. Do it in the same way to set month, day and time.



SET DATE MODE

- ③ If you finish setting time and date, press MENU button, and go back to first stage.

How to Record and to Set Up Mode

● How to record

You can record up to 99 messages in each four A, B, C and D files.

- ① Press the button for each file, and select one on which you want to record.(Choose one among A/B/C/D)
- ② Prepare a microphone and let it face the source of sound, and press REC/STOP button for 1 second. As soon as the recording process begins, LCD screen will display the number, mark and time of recording, and red-color light will flash
- ③ If you want to stop recording, press REC/STOP button again.

※ It is impossible to stop recording in 5 seconds after you press REC/STOP button. It does not stop even if you press STOP button. Be careful.

※ When you press REC/STOP button, the content of recording will be saved as the latest number so that you don't have to find unrecorded part as you did with tape before.

※ Don't forget to change batteries into new ones if you want to record for a long time.

※ Check the rest amount of power of batteries before you start recording.

※ Caution

For successful recording, conduct mock recording as a pretest.

If batteries are used up while recording, LCD will notice you with "BAT(low battery)" sign, and power will be turned off automatically.

Then, change batteries.

● How to Set REC Mode

If you press MENU button when player is not working, MODE will appear on screen.If you want to change one of SHQ/HQ/SP to another, move PLAYBACK dial up and down, and press the dial again. You can enjoy the highest quality of sound by setting the recording mode as SHQ.

● How to Set ARS

When you press MENU button and select ARS while player is not working, ARS is on, and it stop automatically when there is no sound so that you can save and minimize recording time. While ARS is in action, A-mode performs ARS PAUSE. When A-mode is off, the record process is performed with current index one after another. While ARS is in action, B-mode performs ARS PAUSE. When A-mode is off, the record process is performed with next index one after another.

● How to Check Remaining Recording Time

In MENU, you can set the list of playback or recording in the order of playing time. The list of playing will appear in the order of amount of playback or remaining time during playback, and the list of recording will appear in the same order while recording.

● Recording Monitor Function

If you connect an earphone with a player, you can monitor the content or sound during the recording process. Adjusting volume of a player cannot control volume of recording.

● Separating Files While Recording

As for user's demand, files can be separated from each file.

By pressing FF/KEY, you can record in the next index continuously so that you can easily distinguish from one index after another.

※ Caution

- Do not take out batteries during the process. Details of recording can be erased or be worked irregularly. You must take out them after you check the device stops working completely.
- If there are no more available numbers to save details of recording, you cannot record any more. If available amount of time that you can use for recording is filled up, it says "FULL" and lets you know immediately.

Before recording, please check the available space, file or time that the player can offer, and erase unnecessary parts. (See No. 10 to learn how to erase recorded details)

- You cannot record as the route of MP3 or H/D. When the recording process once starts, the previous recording convert into A FILE of VOICE part, and then the process begins. (MP3 is only available for playback)

Various Methods for Playback

● How to Play Voice Part

- ① Choose the message that you want to listen.
- ② Choose one file among A, B, C and D, and select the file with FILE button.
- ③ By moving PLAYBACK dial up and down, select the number of the message.
- ④ It starts to play after pressing PLAYBACK dial.
- ⑤ Adjust the volume with DIGITAL VOLUME button.
- ⑥ Since it is super-mini speaker, you should be careful to listen to the messages in quiet places.
- ⑦ If you are interrupted by noise, use an earphone.
- ⑧ If you want to stop the player, press REC/STOP button.

※ If batteries are used up completely, LCD will let you know it with "BAT (low battery)", and power will be turned off automatically after warning. Then, change batteries and start the player again. At first stage, you can listen to every message in the recorder from the first to the last one by pressing PLAYBACK button. If you want to listen to just one of messages and stop, press MENU button when the player does not work. And then if MODE appears on screen, choose "OFF" by selecting "CONT" with PLAYBACK dial.

● Playback of MP3

- ① Convert to MP3 by using FILE button.
- ② If you do not have any downloaded songs through USB, "MP3" sign will be on your LCD screen.
- ③ MP3 music files can be played by PLAYBACK dial after downloading through USB.

● Backward and Forward Playback While Playing

You can check both next and previous messages by moving PLAYBACK dial upward and downward while it plays one message.

To keep pressing PLAYBACK dial can bring messages forward or backward fast. (SEARCH function)

● Search & Play

If you press PLAYBACK dial for 2 seconds, the recorder will play its every message for just 10 seconds orderly.

While the recorder is scan-playing, if you press PLAYBACK dial one more time, you can hear the message of the number you chose.

As for playback of MP3, its Search & Play function also works.

● Repetitive Playback of VOICE files

By pressing REPEAT button while playing, LCD screen will let you see "RPT", And that is going to make one message repeat forever unless you stop it by pressing REPEAT button one more time.

● Repetitive Playback of MP3 Files

If you press REPEAT button when the device plays, you can choose one of various kinds of repeat mode (NORMAL/1 TRACK/ALL TRACK/RANDOM).

NORMAL: Playback of all songs and stop

1 TRACK (RPT): repetitive playback of one song

ALL TRACK: Repetitive playback of all songs

RANDOM: Playback of all songs by random choice

● A↔B Repeat Playback

"A↔B" sign shows up when you press REPEAT button for more than 1 second whenever you want to repeat the playback.

If you press REPEAT button again, "A↔B" sign shows up, and the part that you choose starts playing repetitively.

By pressing REPEAT button again, it stops playing.

※ You cannot choose more than 2 messages subsequently with REPEAT playback.

※ MP3 files can be played by the way of A↔B repeat playback.

● Various Equalizer Function

If you play MP3 music files, Equalizer Function will help the player play different genres-NORMAL, ROCK, JAZZ, CLASSIC, POP and etc.

Select one of MP3 files and choose Equalizer function as your menu by moving the button back and forth.

Deleting and Controlling Data

※ Deleting messages is only possible when the player stops its work completely.

● Deleting Messages One by One

- ① Choose one message that you want to erase.

Select the message by moving FILE button and PLAYBACK dial.

- ② Push ERASE button for 1 second, and LCD will display "ERS". The recorder plays the message to make you sure.

While "ERASE" is flickering on LCD screen, the message is erased completely. Once message is deleted, numbers of messages on LCD are shifted for each message.

※ While "ERASE" sign is blinking, if you press other buttons, Delete function is cancelled.

※ Caution: You can never restore deleted messages.

● Deleting All Files and Messages

- ① Select the file that you want to delete.

- ② To press ERASE button and FILE button together for 1 second erases selected file and "FL.ER" sign.

All files are deleted by pressing ERASE button again.

● VOICE FILES/ ALL ERASE

- ① "AL.ER" sign appears by pushing ERASE button for 5 seconds.

If you push ERASE button again when "AL.ER" sign disappears, recorded messages on files are all deleted.

- ② ALL ERASE deletes not MP3, H/D files but A/B/C/D files among VOICE files

- ③ MP3 DELETE can erase not only a single music file but also all MP3 files, and H/D DELETE can be removed through USB.

※ Caution

If you used up all of memory of hard disk, it is impossible to save recorded or MP3 files. Please clear off useless files before use.

TIMER/REC & ALARM/PLAY Function

※ For TIMER/REC, SET mode and time need to be fixed.

- ① If you press MENU buttons, "MODE" appears on LCD.
Set "TMR(Timer)" by moving and pushing PLAYBACK dial.
- ② Delete "ON" by shifting PLAYBACK dial and set PLAYBACK dial.
- ③ DAT(DATE) flickers.
- ④ Each number for year (Y), month (M) and day (D) will flicker one by one by pressing PLAYBACK dial so that select numbers by moving the button. Press PLAYBACK dial and fix the number.
- ⑤ "STRT(START)" sign will appear on LCD, and then specific time for TIMER/REC will flicker. Press PLAYBACK dial in the same way of 4.
- ⑥ "END" sign is on LCD now, and end time for TIMER/REC will flicker. Then, do it in the same way of 5.
- ⑦ Finally, if you press MENU button again, a small picture of watch  will be on LCD screen.

● In case that you want to record weekly (at same time)

- ① Let TMR(TIMER) be on LCD screen in order (1~2).
- ② Move PLAYBACK dial upward and downward, and select day.
SUN...Sunday, MON...Monday, TUE...Tuesday, WED...Wednesday,
THU...Thursday, FRI...Friday, SAT...Saturday
- ③ Set up the time you want to record with PLAYBACK dial
- ④ Complete to set time of TIMER/REC in order (6~7)

● In case that you want to record at the same time everyday

- ① Let TMR(TIMER) be on LCD screen in order (1~2).
- ② Move PLAYBACK dial upward and downward, and select DLY(DAILY).
- ③ Set up the time you want to record with PLAYBACK dial
- ④ Complete to set time of TIMER/REC in order (6~7)

● Cancel of TIMER/REC

- ① Change "ON" to "OFF" in the second step of TIMER/REC (Cancel)

● Stop during TIMER/REC

- ① Press REC button

※ Caution

- Only one item of TIMER/REC is possible -one for each VOICE files/FM radio

- Before you start TIMER/REC, check amount of possible time.

If time for recording takes longer than available time, TIMER/REC is impossible.

However, if you set the schedule every week or everyday for TIMER/REC, it is possible to set TIMER/REC mode even though recording time is shorter than available amount of time for recording.

- If selected files are filled with 99 recorded messages already, and memory is full, TIMER/REC cannot operate its function appropriately.

- TIMER/REC should be set for less than 24 hours.

- If the start time of recording is before 23: 59, and the ending time is later than 00: 00, the ending time is set as the next day.

- If TIMER/REC starts its process while ALARM/PLAY function is working, press the stop button and start TIMER/REC function again.

- If TIMER/REC starts to record a message while other function is on except recording, press stop button and start TIMER/REC function again.

If TIMER/REC function starts its work when the player is already recording something else, recording process keeps working, and TIMER/REC function stops.

● How to Set ALARM/PLAY Function

ALARM/PLAY is the function which automatically starts the message that you selected before.

- ① Bring the message that you want to play with ALARM/PLAY function on LCD screen.(See No. 1 of How to Play to know specifically)
- ② By moving PLAYBACK dial up and down, bring "ARM(ALARM)" sign on screen and set the function. (By moving MENU button, "MODE" sign will show up)
- ③ When "On" and "OFF" signs flicker together on screen, choose "ON" and set up "ON".
- ④ Then, "DAT(DATE)" sign shows up.
- ⑤ When "Y(year)", "M(month)", "D(date)" appear on screen in order, select numbers and press PLAYBACK dial.
- ⑥ Do it in same way to set time when "TIME" sign appear on screen.
- ⑦ By pressing MENU button, alarm sign, '  ' will be in sight on LCD screen.
- ⑧ Play the selected message when time has come.

When the player stops playing, it stops its whole function automatically and go back to the beginning part of the message.

★ If you want to listen to the message again, press PLAYBACK dial.

● If you want to play the same message at the same time once in every week

- ① Follow the same steps and procedures of 1~3 on setting ALARM/PLAY function, and set ARM(ARAM) up "ON".
- ② By moving PLAYBACK dial up and down, select days of the week.
SUN...Sunday, MON...Monday, TUE...Tuesday, WED...Wednesday,
THU...Thursday, FRI...Friday, SAT...Saturday
- ③ Set days of the week you want with PLAYBACK dial.
- ④ Set up ALARM/PLAY time in the same way with the step 7~8 of setting ALARM/PLAY function.

● If you want to play messages at the same time everyday

- ① Set ARM(ARAM) up "ON" in the same way with step 1~3 of setting ALARM/PLAY function.
- ② By moving PLAYBACK dial up and down, select "DLY(DAILY)" and set up
- ③ Set up the time you want to record with PLAYBACK dial.
- ④ Set up ALARM/PLAY time in the same way with the step 7~8 of setting ALARM/PLAY function.

● When You Want to Cancel ALARM/PLAY function

- ① If you want to cancel, select "OFF" in the third procedure of setting ALRM/PLAY function.

※ Caution

- ALARM setting up or REC/RECORD is available only one time.
- If ALARM/PLAY and TIMER/REC function get orders to start at the same time together, LCD shows "RESET", and ALARM/PLAY function will not work appropriately.
- If requested time of ALARM/PLAY has come during the normal recording process, ALARM/PLAY function would start to work after all the normal recording process is completed.
- When requested time of ALARM/PLAY functions has come while the player is in MENU mode, MENU mode disappears, and ALARM/PLAY starts the process.
- If you delete the message which is supposed to start playing accordance with ALARM/PLAY function, the set up of alarm function becomes unavailable.
- If requested time has come while you are deleting the message, the message will be played while the deleting process stops working.
- If you set up the schedule to play once in every day or every week, the order is not cancelled even after you stop ALARM/PLAY function.

How to Connect with External Appliances

● How to Connect with External Microphone

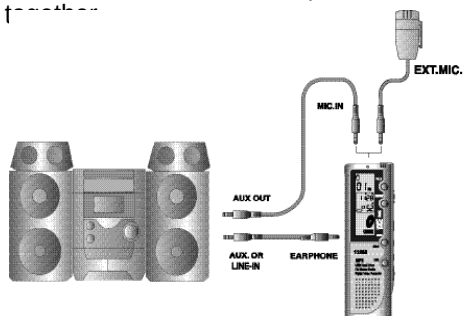
- Put the plug of a microphone into the external microphone terminal of the player.
- ※ When the external mike is connected with the microphone terminal of the player, internal microphone does not work.

● Connection with external appliances

The message that you recorded with DDR-3000/R SERIES through audio cable and telephone adaptor(for either portable or domestic use) can also be recorded with other external appliances such as cassette players or MD. And recording of the messages of wireless or domestic telephones is possible through this player.

● How to Connect with Record Players

- ① When you want to record in VOICE RECORDER through external appliances: Connect audio cable with the earphone terminal of stereo components and with the microphone terminal of VOICE RECORDER together.
- ② When you want to record in external appliances through VOICE RECORDER: Connect audio cable with the microphone terminal of external appliances and with the earphone terminal of VOICE RECORDER together.



How to Connect with Stereo Components

※ Caution

- ★ When you connect to external appliances, turn off the power and start the connection operation.
- ★ When you connect to external appliances, read through the its manual and understand it fully before you start to use and operate them.

● Recording from external appliances

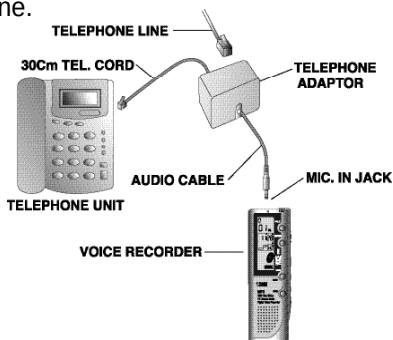
When you record certain messages from external appliances, turn down the volume of the appliance, and then connect audio cable with it and start to record. When recording, set up the volume of the appliance as medium level, and try not to change it during the recording process.

● When you record through external appliances

Start operating external appliances with VOICE RECORDER at the same time. (Starting time of players is all different from each other. Check and understand working and operation of appliances.

● How to Record the Conversation over Telephone

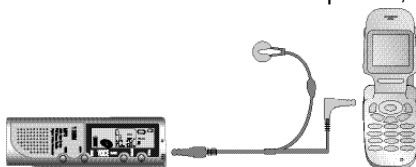
Connect audio cable to the microphone connector of VOICE RECORDER and to the distributor of a component equipment. Connect telephone cable of component equipment to the distributor. Attach a cord, which connects the receiver and telephone, to the distributor. Connect one side of telephone wire to main body of telephone. If you press REC button of VOICE RECORDER, you can record conversation over the telephone.



The method of recording conversation of telephone

● How to Record Conversation over Cellular Phone

Connect the cord of cellular phone to the microphone connector of VOICE RECORDER and to the earphone jack of cellular phone. By the earphone connected with wire of cellular phone, the conversation is recorded.



The method to record cellular phone conversation

FM Signal-Receiving Function

- ※ Note: This function is available only for the models those have the function of radio. If you want high quality of sound when you listen to FM radio, use earphones. Insert the antenna into earphone jack if you want to use speakers.
- ※ AUTO SEEK is convenient function when you listen to the radio.

If you press FF or REW button for 0.5 seconds, it stops automatically at the radio station that the player can receive signals. Sometimes AUTO SEEK functions cannot TUNE to the stations accurately. In this case, control minutely with REW or FF button.
- How to Set Radio Channels(Stations)
 - ① Select Radio Mode by pressing RADIO button.
 - ② LCD will show you frequency. Select the station that you want by FF/REW button.
- How to Save Radio Stations
 - ① Press RADIO button, and select RADIO mode.
 - ② LCD will show you frequency. Select the station that you want by FF/REW button.
 - ③ If you press PLAY button, "01" sign will flash on the screen where "FM" sign appears. Then, choose the channel that you want to save(1~10) by FF/REW button, and press PLAY button for one second. "FM" sign shows up as the channel is saved. In the same way, you can save up to 10 channels.
- ※ Confirming saved channels

If you press MENU button for 1 second, saved channels and signals will show up. Then, confirm savings with FF/REW buttons. Again, press MENU button for 1 second and choose signals and stations that you want to save.
- How to Record Radio Broadcast
 - ① Select the radio station that you want to record following the step 1~2 of "How to Save Radio Stations".
 - ② Press REC button and start recording. In this case, the recorded message is saved in the index and VOICE files. If you stop playing MP3 and choose radio mode, the message is recorded in A file of new index.
 - ③ You cannot check the condition of message while recording. After stop recording, you can see the condition in VOICE part.
- ※ If you want to check the condition of recorded message, see 11. of "How to Play in VOICE mode"

What is DVR-Explorer?

DVR-Explorer is a managing program for DDR-3000/R SERIES which transfer or plays MP3 files from computer to DDR-3000/R SERIES, it manages recorded voice or FM radio file (DVF) from DDR-3000/R SERIES and has following features.

- Transferring(upload/download) file to DDR-3000/R SERIES - MP3,DVF and normal data file
- Similar structure to Window Explorer for file managing
- Plays MP3, MP2, WAV, Audio CD, playlist
- DVF/WAV two way convert
- Convenient transfer of file using transfer list
- Various spectrum, equalizer, effect support
- Convenient instruction manual

Minimum System Requirement for DVR-Explorer

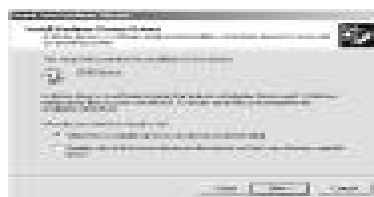
- Pentium 200MHz
- 64MB Memory
- 20MB Empty Hard Disk Space
- 256bit Color
- Window 98/ME/2000/XP(NT Not Supported)
- USB Port
- CD-ROM Drive
- Sound Card, Speaker or Headphone

Connecting DDR-3000/R SERIES and setting up DVR-Explorer

- (1) Insert DDR-3000/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:\DVR-Explorer \setup.exe". Setup will progress automatically, once setup is completed DVR-Explorer will be registered to "DIASONIC" in start program.
- (2) Using USB Cable connect USB port terminal from DDR-3000/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 DVR-Explorer .
- (3) Connect DDR-3000/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.



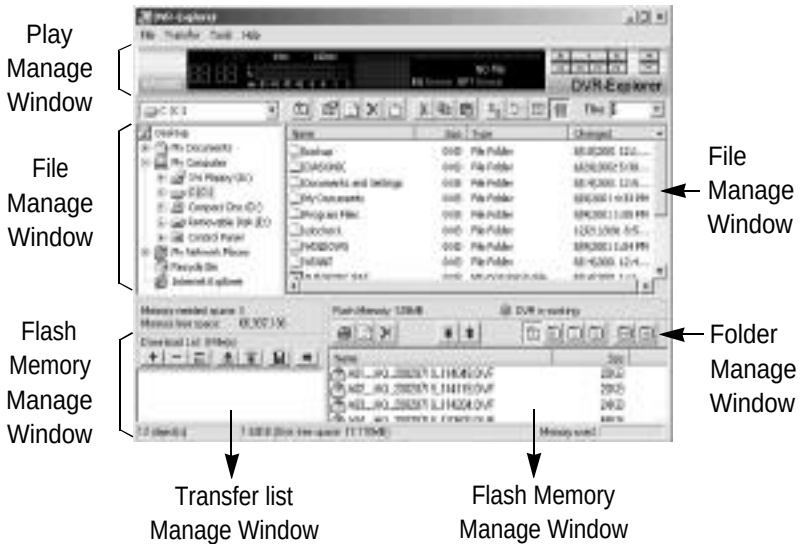
(8) Once USB drive setup is completed, check for setup progress from device manager at My Computer.



※ If DDR-3000/R SERIES is not found once DVR-Explorer is performed. Check for USB device on PC, and for proper connection of Cable.

Composition of DVR-Explorer

Figure of DVR-Explorer



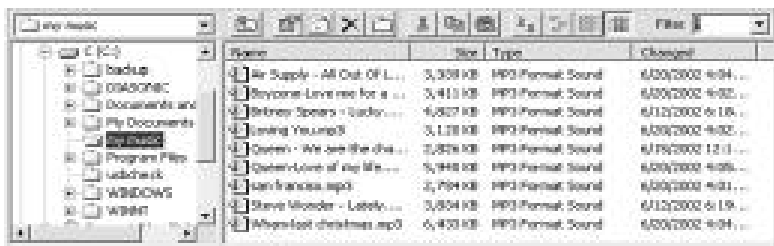
(1) Playing MP3, WAV, CD and DVF



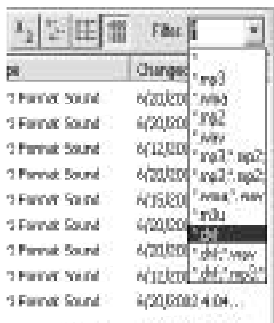
Double click on MP3, WAV, Audio CD Track and DVF file on file control window or use drag and drop to playlist for instant play. Also, you can select file then press play. Through LCD window progress of music and title scrolls right to left, and you can see two kind of magnificence spectrum window.

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.

(2) Managing DVF file and MP3 file



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

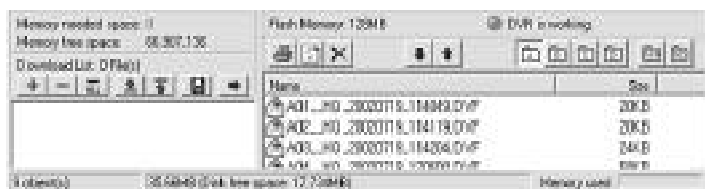


Basic setting is to show all the files on the screen, but you can select DVF files or other various files by using filter function on the upper right corner.

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 DVF files in other folders are possible.

(3) Flash Memory Managing of DDR-3000/R SERIES



Very low section of DVR-Explorer is a part which manages flash memory installed in DDR-3000/R SERIES and transferring list. If DDR-3000/R SERIES is properly connected it will show red light lamp with a phrase saying 'DVR is Working' just like picture at the top. The MP3 files which the user stores in flash memory of DDR-3000/R SERIES will appear on low right window and file size and left over space of memory will be marked with graphic screen.

(4) 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.

※ Can't upload MP3 files.

Just like managing folder in computer, memory of DDR-3000/R SERIES is divided into 6 folder and can be played by each folder.

Album select buttons.

Button	Function	Particular information
	Select voice folder	Used only in voice record mode Save/create DVF files
	Select MP3 folder	Used in MP3 mode
	Select HD folder	Used in HD mode(portable HD)

Spectrum screen and sound effect

DVR-Explorer 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 DVR-Explorer 1

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



➤ Spectrum screen of DVR-Explorer 2



➤ Spectrum screen of DVR-Explorer 3



➤ Spectrum screen of DVR-Explorer 4



➤ Spectrum screen of DVR-Explorer 5

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



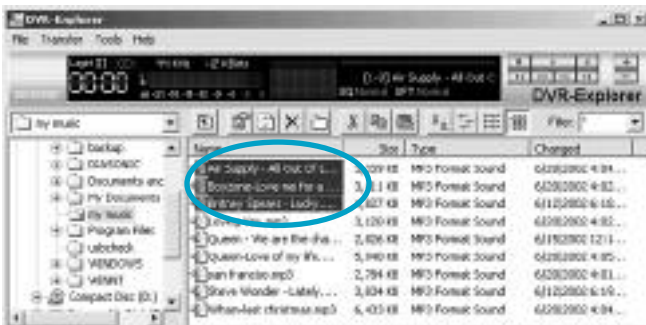
The equalizer freesets supported by DVR-Explorer are normal, rock, pop, jazz, classic, and vocal, by clicking left button of mouse on red light freeset configuration change them in order. Also, DVR-Explorer has many kind of effect. Supported effects are normal, room reverb, big room, hall reverb, stage 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 sound.

Transferring MP3

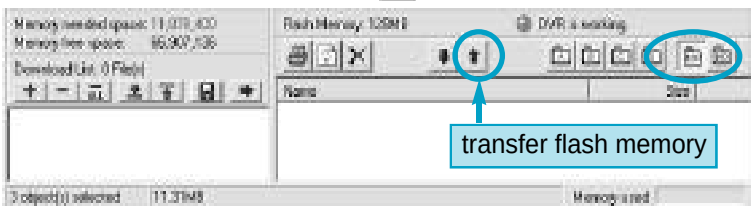
It's very simple to transfer MP3 file to DDR-3000/R SERIES. Mentioned up at top, select MP3 files from file manage window and choose  on folder manage window. Then, drag and drop files to flash memory manage window. Also, click  icon from flash memory managing section for same reaction.

Transferring MP3file as following.

- ① Select  from folder manage window, Select MP3 file from file manage window.



- ② Click 'download to flash memory' .



- ③ Selected MP3files are being downloaded to flash memory of DDR-300/R SERIES.



Sending DVF files to computer

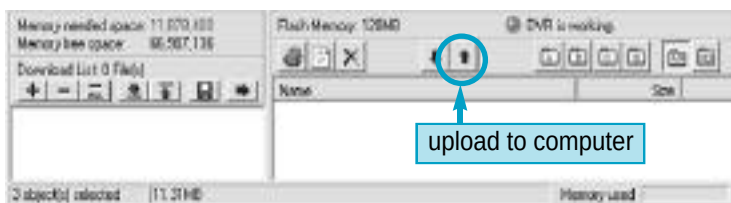
It's very simple to send DVF files from DDR-3000/R SERIES to a computer. Choose     from previously mentioned folder manage window, and select DVF files from flash memory manage window. Then, click 'upload to computer'  icon from flash memory manage section.

Receiving DVF files to computer.

- ① Choose     from folder manage window, and select DVF files that you will sent to a computer from flash memory manage window.



- ② Click 'upload to computer'  .



- ③ Selected DVF file being transfer to computer.

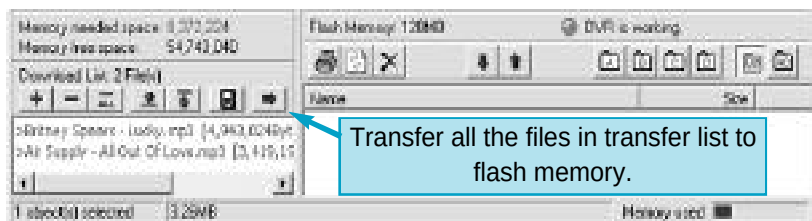


- The way to transfer DVF file to DDR-3000/R SERIES is choose     from album managing section then, select  icon. Rest of procedure is same as transferring MP3 file to DDR-3000/R SERIES.

Through steps like 34), 35). You can easily transfer DVF or MP3 files in flash memory. Once the transfer is over, status bar at low part of DVR-Explorer 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 and DVF files

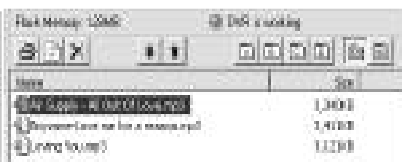
Deleting MP3 or DVF files stored in flash memory of DDR-3000/R SERIES is same as deleting files in explorer. Select one of the stored file from flash memory by clicking left mouse button, then press 'delete'  button from tools at flash memory manage section.

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

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

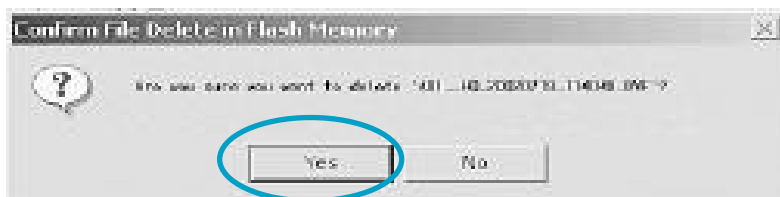


DVF file



MP3 file

- ② Confirming of deleting file. Choose yes to delete file.



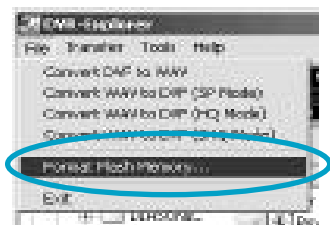
- ③ Now file will be deleted from flash memory of DDR-3000/R SERIES.

※ From flash memory managing display, pop-up menu will appear by clicking right button of the mouse. Deleting and transferring is possible from this menu.

Resetting flash memory

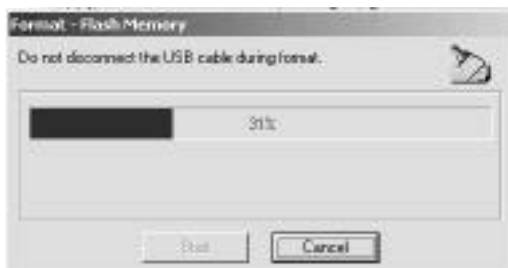
Just like formatting hard disk on computer flash memory used in DDR-3000/R SERIES can be reset (format). All the data from flash memory will be lost when formatted.

- ① Select 'file - format flash memory' a menu from DVR-Explorer.



※ From flash memory managing window click on right button of the mouse for pop-up menu. Flash memory can be deleted from this menu.

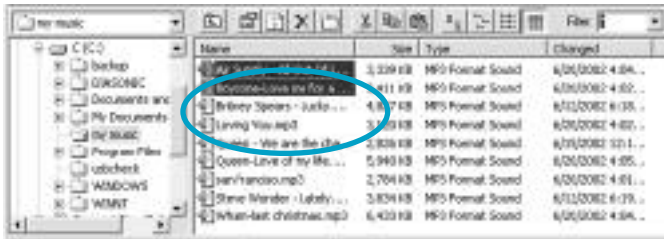
- ② When format window appears press 'start' to start formatting.



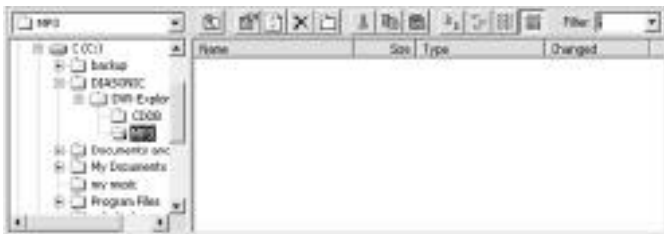
Managing files by using DVR-Explorer

It's easy to manage MP3 and DVF files by using DVR-Explorer. Make folder at a position you want, copy and save frequently listened MP3 and DVF files. And, useless MP3 and DVF files can be easily deleted by using delete button.

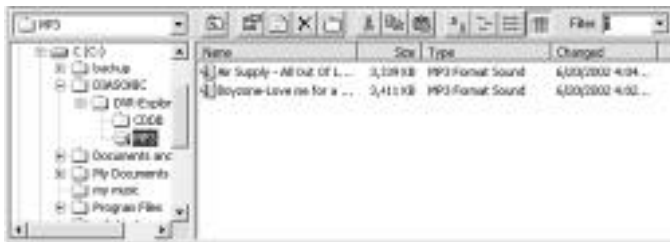
- ① Select file, then click 'copy'  from tool menu.



- 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

Special Features

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

Mail Manager is a program that plays self created voice file DVF from DDR-3000/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 DVF file recorded from DDR-3000/R SERIES, or simply press record and send recorded voice without any difficulties, and If recorded DVF file from mail manager is sent to DDR-3000/R SERIES, it can be played through DDR-3000/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

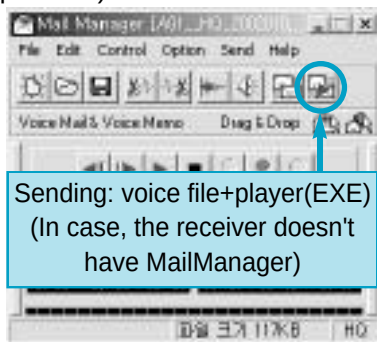
Has Voice mail, Voice memo function, record and play of compressed feature of high sound quality DVF file.

- 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.



Proper volume level is required for record and play. Adjust wave volume from [control volume] of window to set play volume, and adjust [option]→[properties]→[record] from volume adjust window select [microphone] for microphone record volume.

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

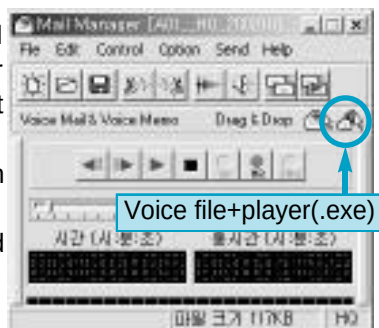
Change recorded voice to various voices.



16Digital voice effect

5) Drag and Drop

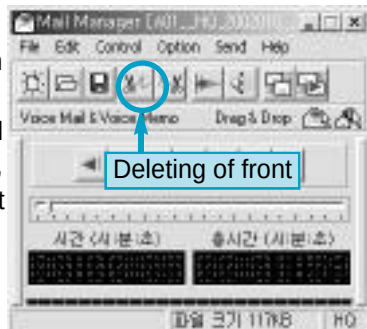
If use drag and drop function of mail manager attaching voice mail to other mail program or network emulator not supported by mail manager will be possible. Press left button of mouse on drag and drop To add voice mail to other program. Now, Use two drag and drop icon, choose between voice file+player.



6) Simple edit function

Deleting of front 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 : (Pause/Stop)

GENERAL SPECIFICATIONS (DDR-3000/R)

MODEL		DDR-3064	DDR-3128	DDR-3064R	DDR-3128R
VOICE RECORD	Recording time	SHQ: 590min HQ :1080min SP :1355min	SHQ:1180min HQ :2160min SP :2710min	SHQ:590min HQ:1080min SP :1355min	SHQ:1180min HQ :2160min SP :2710min
	Recording mode	SHQ(14.8Kbps) / HQ(8Kbps) / SP(6.4Kbps)			
	File	A/B/C/D Total 396 messages with 4 separate files(99 messages in each file)			
	Auto recording	Automatic Recording System(A-Saving in one index after another, B-Saving in next index)			
	cording FM radio	No		World Standard FM /Japanese FM	
	Wireless mike	No		76.8or77.6MHz / 88or88.8MHz	
	External mike	Combination of wire and microphone			
	Recording medium	Hidden Flash Memory			
	Signal vs noise rate	60db (62db input 1Khz , speaker output 50mW : 32Kbps)			
	Distortion	1.5%±0.2 (62db input 1Khz , speaker output 50mW : 32Kbps)			
	Frequency respond	300Hz~4.0Khz(-6db)			
	Output	Maximum 80mW (Speaker8ohm)			
	Repeat	Repeat one message & A-B repeat function			
	Continuous play	Playback of one or every message in files			
	Search play	Playback of every message for 10 seconds			
	search	Search for convenient and easy files or messages			
FM radio (stereo)	Signal vs noise rate	No Radio		60db at 1mv 98.1MHz	
	Distortion	No Radio		0.8%(max) at 1mv 98.1MHz ?f=22.5KHz	
	Frequency respond	No Radio		350Hz±30Hz,3KHz±0.25KHz (100Hz~10KHz,60dbuV)	
	Output	No Radio		Max 80mW(speaker 8ohm)	
	Frequency range	No Radio		World Standards: 87.5 ~ 108MHz Japanese Standards: 76 ~ 90MHz	
MP3	Bit rate	32Kbps~320Kbps(MPEG 1/2 LAYER 3)			
	Signal vs noise rate	85db up (1KHz input 0db)			
	Distortion	0.3%±0.05 (1KHz input 0db)			
	Frequency respond	20Hz~20Khz			
	earphone	Maximum5mW (16ohm)			
	Play mode	EQ: NORMAL, ROCK, POP, CLASSIC, LIVE			
	Search play	Playback of each track for 10 seconds			

MP3	Search	Easy to find convenient and easy tracks
	Repeat	Playback of one track or all tracks & optional playback
PC interface	Network	USB 1.1
	System requirement	Hard disk space of more than CPU 200MHz, RAM 64Mb and 20MB
	OS	windows98 , windows2000 , windows ME , windows XP
	Sound card	Sound Bluster 16
	Display	More than 640X480
In/out put division	External mike	§ 3.5 plug-in power microphone(mini plug/stereo) IMP less than3KΩ
	Earphone	§ 3.5 earphone(mini plug/stereo) IMP less than 16Ω
	DC JACK	HOLE : § 2.75, Dia : § 0.65
	USB	Mini jack (PC : A TYPE)
Speaker	Diameter	§ 23(IMP 8Ω)
	Output	80mw(Maximum Sound)
Volume		Digital Sound(30 Levels)
EL/ BACK LIGHT		BLUE
Hard disk storage		32M/64M/128M
Memory		Nand Flash Memory(32M/64M/128M)
LED		Sign of Recording LED(Red)
LCD (TN)	File	A/B/C/D/MP3/HD
	Message	01~99 voice Indexes and 01~99 MP3 Tracks
	Mode	SHQ/HQ/SP
	Equalizer	NOR ,ROC ,POP ,CLA, LIV. Etc. (5 kinds of equalizer)
	remain/count	0h00m00s
	Repeat	A-B REPEAT / ONE REPEAT / NORMAL REPEAT / ALL REPEAT
Adopter		DC3V/200mA(CE,CUL,T,FCC)
Function key		FF, PLAY, REW, MENU, FILE, REC/STOP,
		RADIO, ERASE, VOLUME, REPEAT, HOLD
Power		DC 3V , LR03 , Alkaline Battery x2EA('AAA" size or UM-4)
Battery period	Play MP3	About 15 hrs. with medium level of volume through earphones
	Play VOICE	About 15 hrs. with medium level of volume through earphones
	Play VOICE	About 9 hrs. with medium level of volume through speaker
	Receiving radio	About 12 hrs. with medium level of volume through earphones
	Receiving radio	About 8 hrs. with medium level of volume through speaker
Accessories		Connecting cable with external appliances (1)/ Installation CD (1)/Adaptor to record the telephone conversation (1)/Stereo Earphone (1)/External microphone (1)/Batteries (2)/USB cable (1)/Manual (1)/Neck strap(1)
Remote controller		Remote Control (Function/PLAY/FF/REW/REC)
size		99.8×31×14.1

Inquiry of A/S

If you have trouble with the product, stop using the device immediately and ask for help and inquire A/S from the store or DIASONIC TECHNOLOGY Co, Ltd.

Representative: 82-31-474-0852

Warranty Card(provisions)

We guarantee you free repairs as User's Manual describes.

If you find out the break down and defect of device, come and visit the store or our company with this warranty card, and ask for help.

The warranty card, which omits the date, year of purchasing and the name of the store, is not unavailable for our A/S service. Please check the information on your card and if the information is not on the card, ask the store for the record. This warranty card is not to be reissued. Please be careful.

<Free Repair Provisions >

1. This product has been passed strict quality test.
2. If some trouble comes up at any time during the warranty period, we provide free repair service as long as the product is in the condition that User's Manual describes.
3. Even it is on warranty period, we do not provide free service under these conditions:
 - 1) If you do not have the warranty card
 - 2) If there are no record of the date of the purchasing, the name of the store and customer. When customer change the information intentionally.
 - 3) If the player gets damage by the customer's carelessness or mistake.
 - 4) Damage and defect by customer who fixed and reconstructed the device.

- 5) When the player gets trouble caused by natural disaster such as fire, pollution, earthquake, flood and etc.
 - 6) If liquid from batteries causes defect on the player.
 - 7) When batteries are used up and needs to be changed.
4. This warranty card is only valid for service in Korea.

(Suggestion for Mailing and Shipping)

When you mail or post this product, please read these suggestions first.

- 1. When the player is on warranty period, enclose this warranty card with the product.
- 2. Please wrap the device with shock-absorbing materials and put it in the box to avoid damage during the delivering process.
- 3. The cost of mailing and wrapping is customer's responsibility.
- 4. To prevent the loss of the product, please use the registered mailing system.

WARRANTY CARD

Name of a Good: VOICE RECORDER

MODEL : DDR-3000/R

The Term of Guarantee: 1 Year

Date of Purchase: . . .

PURCHASER	Name	
	Address	
	Telephone	
SELLER	Name	
	Address	
	Telephone	

- Whenever our products get out of order, please do not hesitate to call DIASONIC TECHNOLOGY CO., LTD and to ask for help.
- The provisions of compensation for exchanges, repair, rebate, terms of possession and etc. are based on the standard of compensation of "Law of Consumer-Protection".
- If you have any questions to ask about the product and for more information, please contact DIASONIC TECHNOLOGY CO., LTD.

DIASONIC TECHNOLOGY CO., LTD

- #321-43, Suksu-Dong, Manan-Gu, Anyang-City, Gyeonggi-Do, Korea
- TEL : +82-31-474-0852~5
FAX : +82-31-474-0856
Homepage : <http://www.diasonic.com>

This Warranty card is valid only in Korea, and you should keep this card well for guaranteed repairs.