영문매뉴얼 2001.8.21 03:39 PM 페이지3

DIGITAL VOICE RECORDER

MODEL : VR10 N/T

영문매뉴얼 2001.8.21 03:39 PM 페이지5

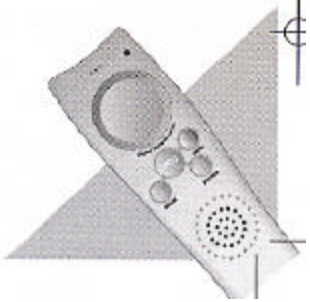
Contents

Features 1
Part Naming 3
LCD Indicators and Icons 4
Battery Installation 5
Record 7
Other Function 9
Playback 16
Erase 18
Connecting to External Appliance 20
Recording from Telephone 22
Software Installation(PC) 23
USB Driver Installation 24
Confirmation Installation 25
Explorer Display Screen 26
File Upload 27
Functions 28
File Download 29
File Conversion 30
Record & Edit Screen Layout 31
Accessories 36
Major Specification Table 37

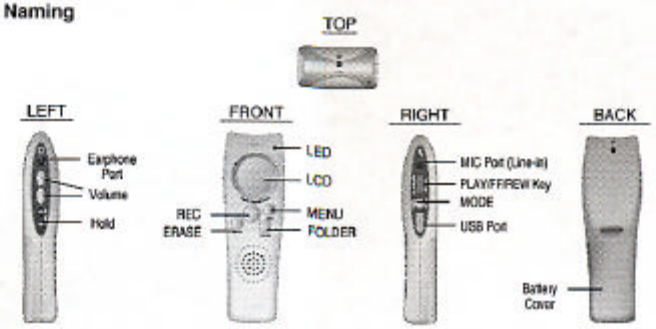
Features

- Long-time Recording
  VR10N : HQ 231Min. /LQ 504 Min. VR10T : HQ 463Min./LQ 1012 Min.
- Recording into Each of 4 Divided Folders
  Available to record 99 files in each folder.
- Recording Mode
  Enables you to select proper recording sound quality and recording time according to your use.
- Remaining Recording Time Display
  Enables you to check available time for recording.
- Automatic Power Off
  The unit is automatically tuned off when it is not used for over 1 minute.
- External Input/ Output Jack
  Enables you to record to and from external appliances.

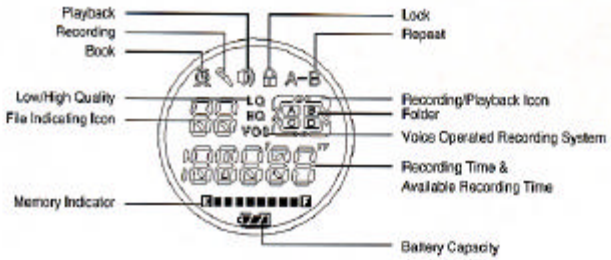
- Monitoring
  Enables you to hear the message in the middle of recording by earphone.
- VOS (Voice Operated recording System)
  Enables you to record only person's voice & other sounds.
- SCAN Play
  Enables you to playback just the fore part of each file during playback.
- PAUSE
  Enables you to pause during recording/playback.
- Repeat
  Enables you to repeat a required certain message continuously.
- Setting the Recording Time
  Enables you to establish a waiting time to record at the time you want.



Part Naming



LCD Indicators and Icons



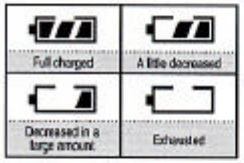
Battery Installation

** Loading and replacing of the batteries should be done when the recorder is in stop position.*

1) Open the battery cover
   - Press the battery cover for ➡ direction.

2) Load to battery (AAA size) with correct polarity and close the cover.
   - Battery : LR03 or equivalent (AAA size or UM-4)

3) Check the battery level indicator.
   - Recorded messages are not erased during replacing battery.



Battery lifetime

Battery	at Recording Mode
AAA alkaline	about 9 hours
at Speaker Playback (Vol : 10)	at Earphone Playback (Vol : 10)
about 8 hours	about 8.5 hours

** The battery capacity may vary depending on the battery type and the play volume.*

Record

** You can record directly by using the built-in MIC.*

 # To record

1) Set the HOLD OFF and press REC or PLAY/STOP key to turn the power ON.
2) Set the recorder toward the sound source and press REC key again.
   - LED will be ON, and the message number, Recording time will be displayed on LCD (The current message is numbered by following the latest recording number).

   ** It starts after displaying 'wait' message.*
3) To stop recording, press REC key one more time.
   - If no other keys are pressed within 1 minute at stop position, the power will turn OFF automatically.
     If you want to turn on the power, press the REC key and PLAY/STOP key.

   ** It stops after displaying 'wait' message.*
4) Pause during recording by pressing MODE/PAUSE key.

- Cancel the PAUSE mode by pressing PAUSE/REC key one more time.

Note

- Minimum recording time is set to 5 seconds to assure stable recording.
- To avoid failing in recording, record after test-recording in advance.
- When the maximum recording time elapses, "FULL" appears on the display, disabling to record any more.

Other Function

Record Mode Selection

Press the MODE/PAUSE key one time at stop position, and select the recording sound quality.

Recording time

Max. Recording time. Recording Mode	HQ	LQ
VR10N	231 min.	504 min.
VR10T	463 min.	1012 min.

Checking for Remaining Recording Time

During recording, you can check the remaining recording time by pressing PLAY/STOP key.

Recording by Selecting Folder

Select one folder among A,B,C,D by pressing FOLDER key and record a file into the selected folder.

** You can record similar kinds of messages into one folder.*

Recording in the Next file During Recording

When you wheel FF key, recording will proceed with increasing message number.

** Message number will not be increased at the message number 99.*

** Recording starts after displaying 'wait' message for 3 seconds.*

Monitoring

You can hear the current recording message in the middle of recording by earphone.

** During recording you can not adjust Volume level.*

Volume Adjustment

Adjust volume by pressing VOLUME +/- key.

** During recording, you can't adjust volume level.*

Recording by using External Microphone

Record after connecting External MIC to the External MIC JACK (LINE IN).

**You can record with free actions by holding it on your lapel. Record more clearly by closing it to the sound source*

RESUME

** In the pause mode, When the system is turned off because of Auto Power off function, and if you turn it on, press the PLAY key it starts from the point paused.*

** In the stop mode, when you press the PLAY /STOP key, it starts playback from the point stopped.*

LOCK

Press the MENU key and input by PLAY/STOP key after selecting on/off by FF/REW key.

**It operates only normal mode.*

MOVE

Select the file you want to move and press the MENU key and get into MOVE mode by pressing FF/REW key, press the PLAY/STOP key and select the folder you want by pressing the FF/REW key. Then you can move the file into the folder you want by pressing the PLAY/STOP key.

** Only Normal mode*

VOS

Select VOS function with the FF/REW key after pressing the MENU key. Select on/off with the FF/REW key after pressing the PLAY/PAUSE key and input VOS function by pressing the PLAY/STOP key.
Then press the REC key.

SENSE

Select SENSE function with the FF/REW key after pressing MENU key and get into SENSE function by pressing the PLAY/PAUSE key. After selecting HI/LO with the FF/REW key, press the PLAY/STOP key.

** At the VOS mode, HI is for low sound recording, and LO is for normal recording.*

Setting the Recording Time

Select the BOOK function by pressing the MENU key, Select waiting time with the FF/REW key and input by pressing the PLAY/STOP key.

** In Normal mode, and Power off mode, it starts by pressing the REC key for long time.(about 2 sec.)*

** If you select the BOOK, Auto Power OFF function is canceled.*

** If you press the REC key, BOOK function is canceled.*

REPEAT

Repeat ONE/ALL

Select REPEAT function by pressing the MENU key, select ONE/ALL with the FF/REW key and input by pressing the PLAY/STOP key.

** AL : Repeating all files in the folder*
OE : Repeating the currently selected file

Repeat A-B

Press the FOLDER key to the start and the end you want to repeat.

** 5 times Repeat.*
** Enable you to set up for more than 5 sec.*
** If you press the FOLDER key, Repeat A-B function is canceled.*

Playback

1) Press the PLAY/STOP key in status of power-on.

** Playback will be started. The message number and playing time will be displayed on the LCD.*

2) To stop, press the PLAY/STOP key or the REC key again.

** If no other keys are pressed within 1 minute from stop position, the power will be OFF automatically. If you want to power-on, press the PLAY/STOP or the REC key.*

3) Able to pause during playback by pressing the MODE/PAUSE key.

Fast Forward and Rewinding during Playback

Fast Forward and Rewinding bring it back to the part where you want to listen to.

** When you wheel the FF/REW key for extended time, the passed playing time will be increased fast as long as the pressing time and when you wheel the FF/REW key for a short time,*

playback will resume after increasing /decreasing of the message number.

* When you wheel the FF/REW key once for a short time, playback will be done after shifting low/hind message of the current file.

SCAN Playback

Press the PLAY/STOP key until SCAN message displaying.

* 'SCAN' will be displayed, and the fore part of each file in selected folder will be played back just for 5 seconds.
* If you want to listen to the whole contents of a certain recorded message, press the PLAY/STOP key.
* If playback from the next file to the current file.

Erase

Erasing 1 message

1) After selecting the file which you want to erase at stop mode, press the ERASE key for more than 1 second.

* 'ERASE' and file number will flicker for 5 seconds and playback will be started.
* For canceling erase, press any key except for ERASE key.

2) Press 'ERASE' key one more time.

* ERASE will be displayed on LCD and the message will be erased.

Erasing all file in one folder

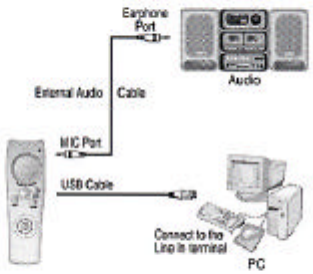
1) After selecting the folder that you want to erase at stop position, press ERASE and FOLDER keys for more than 3 seconds at the same time.

* LCD display part will flicker.
* For canceling erase, press any key except the ERASE key.

2) Press the ERASE key again.

* When some files are locked, those files are reserved.
* If you want to erase a locked file, press ERASE key after displaying 'sure' message for 5 seconds.

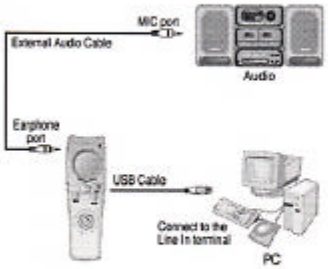
Connecting to External Appliances



Recording from External Appliance

Record after connecting the External Audio Cable to both MIC Port of Voice Recorder and Earphone Port of external appliance.

In case of the PC, record after connecting the USB cable to both USB Port of Voice Recorder and USB port of PC.



Recording into External Appliances

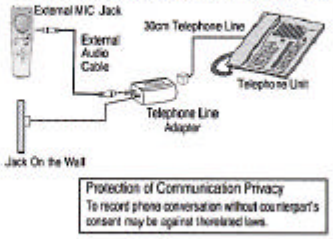
Press the PLAY/STOP key of Voice Recorder and operate External Appliance at the same time after connecting External Audio Cable to both EAR Port of Voice Recorder and MIC Port or External Input Port of External Appliance.

In case of the PC record after connecting the USB cable to both USB Port of Voice Recorder and USB port of PC.

** To avoid failing in recording, record after test-recording in advance.*

Recording from Telephone

** Before recording from a telephone, please set the VOS OFF. When the VOS ON mode, a soft-sound sometimes may not be recorded.*

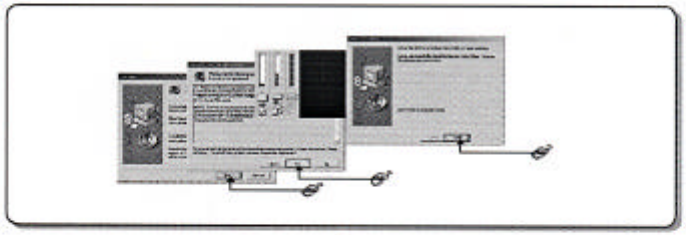


Protection of Communication Privacy
To record phone conversation without counterpart's consent may be against thereland laws.

1) Connect External Audio Cable to both MIC Port of Voice Recorder and Audio Out Jack of Telephone Line Adapter.
2) Connect Telephone Line Adapter with 30cm Tel. Cord and Telephone unit.
3) Connect Tel. Line to the remaining Telephone Line Adapter.
4) Able to record conversation through telephone by pressing the REC key.

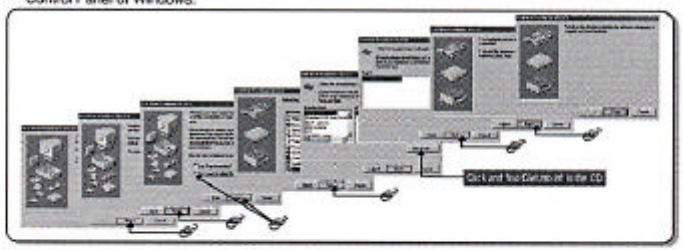
Software Installation (PC)

1) Insert the installation CD of Voice Editor software into the CD-ROM of your PC so that it will run automatically.
2) The selected software will be installed easily and quickly.



USB Driver Installation

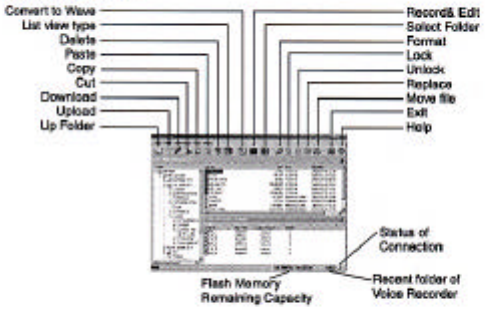
1) Connect the PC and Voice Recorder with USB cable before installing the software. The Driver Installation Window will appear automatically.
2) In case the Installation Window does not appear, click the Add New Hardware Wizard menu in the Control Panel of Windows.



Confirmation Installation

Connect the Voice Recorder to the PC and check if the [Voice Editor USB Driver] is shown on the equipment administrator of the system registration information.
If it is shown, the driver is successfully installed.

Explorer Display Screen



File UpLoad

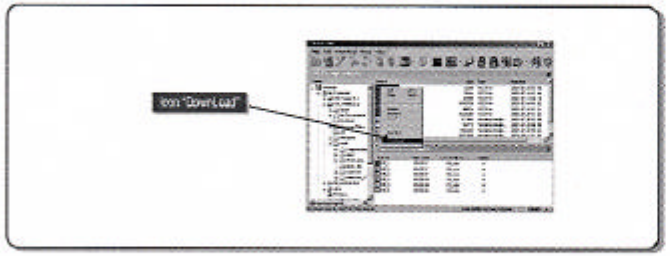
After selecting a file in voice recorder Information View, click the "UpLoad" icon.

Functions

1) Delete Folder : After selecting a folder in voice recorder Information View, click the icon "A" or "B" or "C" or "D".
2) Delete File : After selecting a file in voice recorder, click the "Delete" icon.
3) Move Folder :After selecting a file in voice recorder, click the "MoveFolder" icon and input new folder name.
4) Replace : After selecting a file in voice recorder, click the "Replace" icon and input new position number.
5) Lock : After selecting a file in voice recorder, click the "Lock" icon.
6) UnLock : After selecting a file in voice recorder, click the "UnLock" icon.

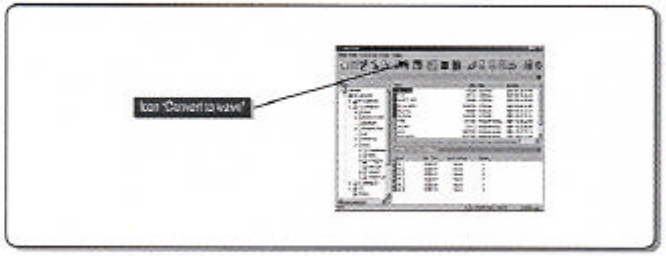
File DownLoad

After selecting a file in PC, click the "DownLoad" icon to save the file to the voice recorder.



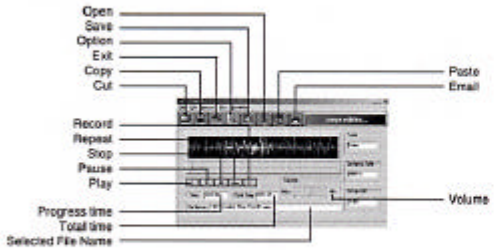
File Conversion

After selecting a file in the PC, click the "Convert to Wave" icon.



영문메뉴얼 2001.8.21 03:41 PM 페이지31

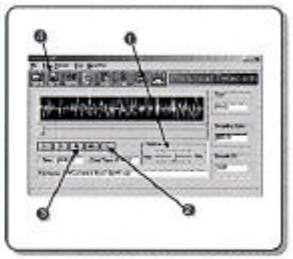
Record & Edit Screen Layout



Record

Run the "Rec & Edit" in the main menu.
Connect the microphone to the PC.

1) Click the Volume icon to set the volume of the microphone.
2) Click the Record icon to start recording.
3) You may click the Stop icon to stop recording.
4) Click the Save icon to save recording.



Playback

1) Click the Open icon to load voice files saved.
2) Click the Play icon to start Playback.
3) Click the Stop icon to stop Playback, and return to the beginning.

Wave Edit

1) Open the wave file.
2) Click the starting point that you want to edit and drag it until ending point to right direction, and then selected part of wave file will be brighened.
3) In case click the icon[Copy], and then theselected part of wave data is copied to the clipboard.
   In case click the icon[Cut], the selected part of wave data is deleted, but it is copied to the clipboard.
4) Click the point that you want to paste inspectrum of wave data.
5) Click the icon [Paste] and then the voice data in clipboard is pasted and saved.

Sending Email

1) Click the Email icon and then open the window for sending email.
2) Input the mail server address.
3) Input the file name to attach.
4) Input the email address for receiver and your email address.
5) Input the Title of email.
6) Input the Contents.
7) Click the [SEND] button.

Accessories

Earphone	AAA Batteries x2	Phone Cable/Adapter	User Manual
Audio Cable	USB Cable	External MIC	Voice Editor CD

Major Specification Table

Model	VR10N/T
Recording Time	VR10N : HQ 231 Min./LQ 504Min.
	VR10T : HQ 463 Min./LQ 1012Min.
Dimension	34.5X105X19.3(mm)
Weight	Approx. 39.5g (without battery)
Power Source	DC 3V, LR03X 2EA
Battery life Time	9 Hours
Memory Medium	Built-in Flash Memory
Maximum Number of Messages to Record	99 in Each Folder
Maximum Output power	65mw(THD 10%)
Recording/ Playback Frequency Response	500Hz-3.4KHz
Input	Built-in Omni-directional Condenser Microphone (MONO) EXT. MIC
Output	Earphone (Mini Plug/Mono) IMP over 16 ohms 20mm, 8 ohms Dynamic Speaker
Condition to use	0℃-40℃
Accessories	User's manual, Earphone, AAA Batteries x2, Phone Cable/Adapter, Audio Cable, USB Cable, External MIC, S/W CD

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

To ensure the product compliance to FCC Rules and Regulations, only use supplied USB cable. Use of any other USB cable may not ensure product compliance.