

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 UNDESIRE OPERATION.

FCC ID : QAWNEWGEN5

MADE IN KOREA

**FCC RF
INTERFERENCE STATEMENT**

NOTE :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

Address

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<http://www.teravalue.com>

Users Guide

MP3 Player / FM Radio / Voice Recorder

MP3
Player

FM
Radio

VOICE
Recorder

MP3
Encoding

USB
Storage

SD/MMC
Card leader



NewGen5 Series

Thank you for purchasing NewGen5 Series of TeraValue.

This device is certified as a household electronic and electronic wave safety. It can be used anywhere that is permitted.

※ If you are a Windows 98 user, install Windows 98 driver first before using NewGen5 Series.

※ For safe use of NewGen5 Series, Please thoroughly read this User Guide before using NewGen5 Series.

NEWGEN5

Copyright Notice

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Notes

- Disconnecting the USB cable while upgrading the firmware will cause a critical damage to the product.
- If the user formats a memory in PC Window, a critical damage may be caused in this device.
- For Win98 OS, install Win98 driver included in the provided CD before using the product. (refer to 10 page)

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Accessories Items

► Basic Contents

1 Stereo Earphone (AXE)



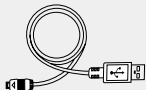
2 Necklace



3 Installation CD



4 USB Cable



5 Encoding Cable



6 Battery (1 AAA size)



7 Users Guide



※ Accessory items may be added or changed according to functional improvement.

Product Safety Precautions

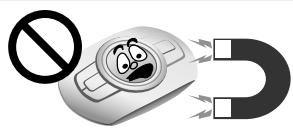
Storing the product in a dusty, hot humid or soot-covered place may cause a product breakdown.



Do not repair, dissemble, or remodel the product at your own choice.



Do not put magnetic cards such as debit cards or gift cards near the product.



Avoid direct sunrays, rainwater, sand, and other materials that can cause mechanical shock to the product.



Protect the product from severe shock and vibration, and do not drop the product.



Connecting the USB port while the product is operating may damage the product. Before connecting the USB port, turn off the product.



Product Safety Precautions

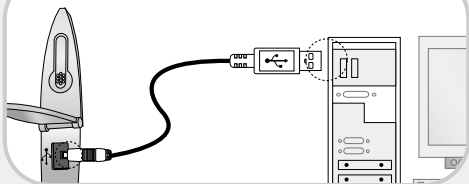
Do not insert foreign materials besides the SD/MMC card into the SD/MMC card slot.



When carrying this device in a pocket or wearing it around the neck, be careful not to get bruise or hurt other people.



Connecting the USB Port



Note

-When downloading the firmware, never disconnect the USB cable.

⦿ Cautions When Using the Battery

- ✱ Do not cut, disassemble, or heat the battery, and do not put the battery in a fire. (An electrolyte from the battery such as alkaline liquid may contact user's eyes or may result in heating and explosion.)
- ✱ If not using the product for a long time, take out the battery from the body.
- ✱ When an electrolyte leaked from the battery, clean inside the battery cover.
- ✱ When smoke is found or heating is generated, resulting in deformation of the product, promptly take out the battery

Features of NewGen5 Series Products

◆ External Memory SD/MMC Card

- It is easy to extend the memory capacity.
- Extensible to 1GB / TN-550 (512MB) + 512MB SD/MMC Card.

◆ Excellent for Language Study

- The user can select the playing speed., and useful functions for language study such as automatic repetition, speed control, and repetition count setting are supported.

◆ Removable Disk

- When the product is connected to the PC, the product is automatically recognized as a removable disk.
- With the memory card (SD/MMC) extension slot, the user can easily extend the memory capacity.
- This device can be used without any separate management S/W.
- By connecting the device to the PC through the USB cable, it can be used as a portable disk without any separate battery.

◆ Robust Encoding

- By connecting the product to an external stereo system or a telephone, the user can record data.
- Robust MP3 direct encoding.
- Sync Function - Various encoding options are supported for CD - recording.

◆ Unlimited Folders

- The user can unlimitedly create folders and store music files by category - artist, album, genre, etc.

◆ Necklace Type

- The device adopted a fine design to meet new generation's taste, and it is super-light.
- It is super-light(46g : including batteries) and easy to carry.

◆ Firmware Upgrade

- By upgrading the firmware, the user can upgrade product functions as well.
- Check library in the website of TeraValue to add and upgrade product functions.

◆ Maximum 7-line LCD

- 7Line Wide Graphic LCD adopted.
- Sharpness and brightness are controllable.

◆ Voice function (VAD / Silence / Bit Rate Setting)

- Record various sounds including voice.
- Maximum recording time : about 72 hours (when extending the Memory to 1GB)

◆ Macintosh Support

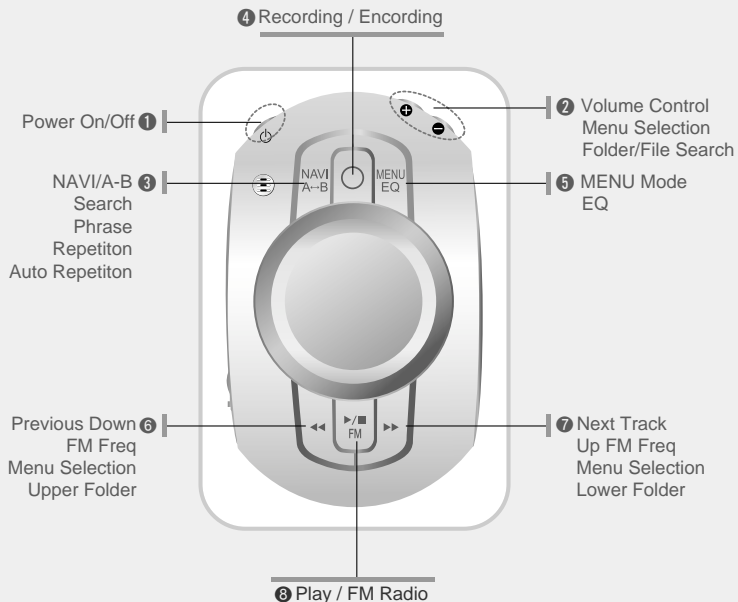
- Supporting Over Mac OS Version 8.1

◆ Linux Support

- Supporting Over Kernel 2.4.18

Simple Manual

【 Description 】



Simple Manual

【 Menu Modes and Detailed Menu 】

Menu Mode (<< / >>)	Detail Menu (+ / - Button)
LCD Contrast	Brightness is controlled
MEMORY SEL	INT FLASH(internal memory) EXT CARD(external memory)
Music Source	MIC(voice recording)/ LINE IN(encording from external devices)
SAMPLE FREQ	32kHz / 44.1kHz / 48kHz
CHANNEL MODE	Mone / Stereo / Joint Stereo
BIT RATE	32kHz ~ 224kHz
LINE VOLUME	Line input is controlled
SYNC	ON / OFF / 1 SYNC
VAD	ON / OFF
SILENCE	LOW / MIDDLE / HIGH LEVEL
FM MODE	MONO/ STEREO
SPEED MODE	Normal / Slow / Fast
REPEAT MODE	Repeat All / No Repeat / Repeat 1 son / Repeat RANDO / RANDO
AUTO Repeat	Counter = Repetition count setting
EXERCISE	ON / OFF
MEMORY INT	MEMORY - INT REMAIN / TOTAL (internal memory(available capacity) (used capacity) MEMORY - EXT REMAIN / TOTAL (internal memory(available capacity) (used capacity)
LANG SELECT	KOREA / ENGLISH / JAPANESE / CHINESE (Simplified / Traditional)
FORMAT	INT FLASH(internal memory) / EXT CARD(external memory)
LOW FORMAT	INT FLASH(internal memory) / EXT CARD(external memory)
ERASE 1 FILE	Select a file, then delete it
FOLDER ERASE	Select a folder, then delete it
F/W Upgrade	Firmware upgrade

Win 98 Driver Installation

※ For Win 98 OS, install Win 98 driver included in the provided CD before using the product.

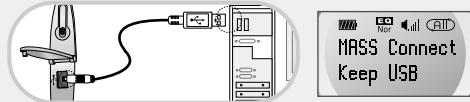
【 Installing Window 98 Driver 】

(Insert the provided installation CD into the CD-ROM)

- ▶ Step 1: Click the Win 98 Folder. ▶ Step 2: Click the install98.bat file.



- ▶ Step 3: Connect the USB cable to the product.



(After connecting the USB cable, the removable disk is displayed in the PC as shown in the following figure.)



TIP - By using the install 98 .bat, the user can install Window 98 driver and firmware upgrade driver.
- The removable disk is automatically recognized without installation of separate driver.

[Window 2000/ME/XP/Mac 8.1]

USB Mass Storage

1. Installing Driver

Ⓞ A user who uses Window 98/SE must have an additional installation program

(For the installation program, a user can use a CD contained in the product or download it from www.teravalu.com)

Ⓞ Windows 2000/ME/XP/Over Mac 8.1

(When this device is connected to a PC whose operating system is Windows, no additional installation driver is required)

TIP - For a user who uses Mac OS 8.6, download " USB Mass Storage 1.3.5.smi" from the Apple website before using the product.

* Advantages of Removable Disk *

- Suitable to moving mass storage files/folders in a PC and backing up important data.
- A users can easily move data between the PC and the Mac, and between a house and office.
- A users can easily and safely keep an authorized certificate for internet banking and various music figure/presentation data.

2. CONFIG. SYS File



TIP: CONFIG. SYS file is basically created

- ✦ Upon opening an internal memory portable disk, a config. sys file saves a value set by a user in the menu.
- ✦ Upon deleting a config. sys file, the setting value is initialized.
- ✦ Upon power off this device, the value saved in the menu automatically saved.



When a user presses NAVI button, config. sys is displayed on the LCD.

Note : Do not delete the config. sys file.

Removable Disk - Basic Features

►Automatic Recognition

- When the user connects this device with the PC through the USB cable, The device is automatically recognized and the user can easily use it as a removable disk(Plug&Play)

TIP - 2 removable disk icons are created in the PC(MY Computer)
- INT MEMORY and EXT MEMORY are displayed as different removable disks.

- ※ - EXT MEMORY removable disk is created when inserting an external memory slot in the PC.
- When this device is separated from the PC, the corresponding removable disk icon disappears.

►NO - Power USB Connection

- This device uses USB power, therefore it does not need internal power upon connecting with USB (This device can be connected with the PC without consuming battery, it can safely transmit data)

TIP - This device can use music and other functions with battery power and does not support charge function upon connecting with USB

►Easy - Data Move

- No additional control program between the PC and this device is required.
- The user can easily read/write/delete/move various data(files and folders) using "Window Explore in the PC such as HDD, FDD.
- This device enables users to move data between 2 removable disks.

►Portable Mass Storage SD/MMC Memory Card

- This user can easily extend mass capacity and memory by using SD/MMC memory card (EXT MEN) and easily use several SD or MMC memory card such as a CD or a floppy diskette.

►Semi - permanent Storage Media

- This device a flash memory as a storage media, so it does not damage data unlikely a CD or a diskette and its lifetime is semi-permanent

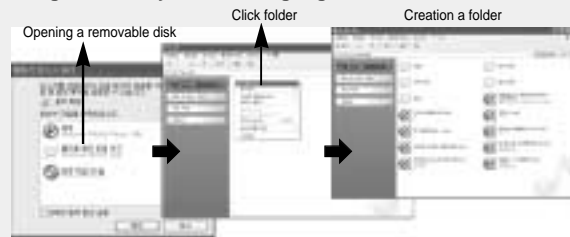
Removable Disk - Usage

►Copying and Moving File / Folder

- With Window Explorer, the user can select, copy and move files and folders.



►Creating a folder by music / language / lecture



- ※ Note - When the user plays this device after creating only a folder in the removable disk, No Files displayed on the LCD.
- The device recognizes and plays only files.

►Moving data between internal/external disks

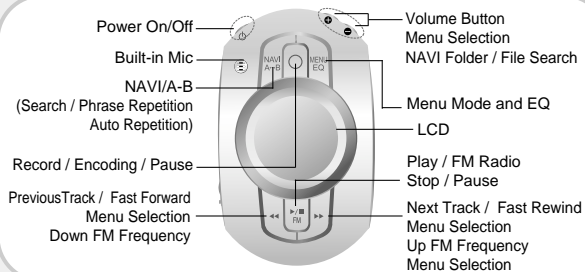
- The user can easily use data between 2 removable disks created newly



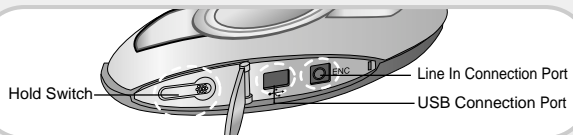
TIP - The user can easily use copy, move and delete all data

Name of Each Part

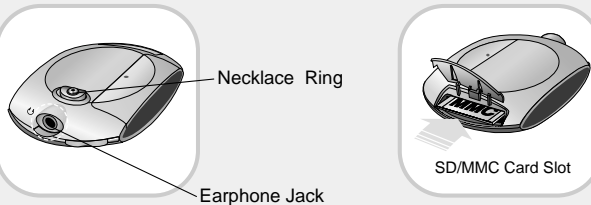
Front



Side

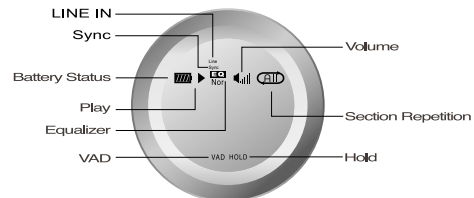


Rear

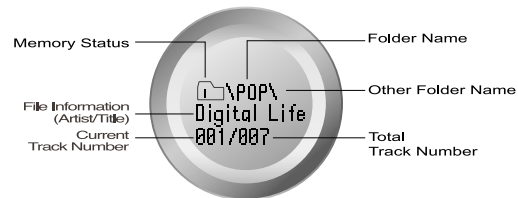


LCD Display

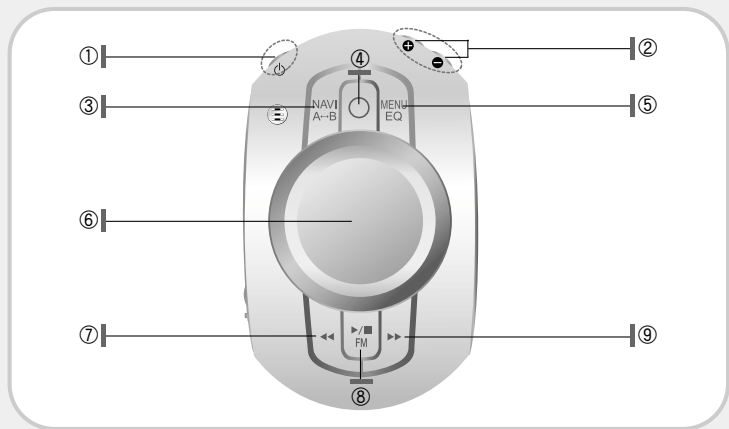
L
D
C
L



L
C
D



Basic Operation Function



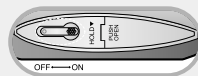
- ① Power On / Off (Press Power button for 2 seconds or more to turn on/off the power.)
- ② Volume Control, Menu Selection, and NAVI File Search
- ③ All NAVI Folder Search, A-B Section Repetition, Automatic Phrase Repetition (Play State)
- ④ Recording Start / Stop
- ⑤ Return to Menu (Stop State) / Equalizer (Play State)
- ⑥ LCD - Indicates the operation status and menu setting status.
- ⑦ Previous / Fast Forward / Down FM Frequency / Menu Selection / Upper Folder
- ⑧ Play / Stop / FM Radio / Pause
- ⑨ Next Track / Fast Rewind / Up FM Frequency / Menu Selection / Lower Folder

Listening to MP3 Files

[Thing to Check and Prepare Before Playing MP3 Files]



- Check the remaining battery.
(The smaller the remaining battery is, the less the number of displayed bar is.)



- Put the Hold switch in Off position.

[Listening to Music]

1. Selecting Memory Sel

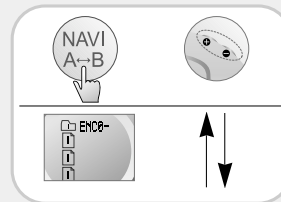
- The user can optionally listen to the music saved in the internal/external memories.
(Go to Memory Sel menu in Stop State, and set internal/external memories with '+/-' buttons.)

2 Setting a folder with NAVI/A-B button

- By setting files in a folder, the user can optionally listen to music.

- Step 1 : Go to Folder Search menu with NAVI/A-B button in Stop State, and search the folder with '+/-' buttons.
- Step 2 : Enter the folder with '>>' button, and search folder files with '+/-' buttons.
- Step 3 : Set the folder files with NAVI/A-B button and exit.

[Searching NAVI Folders]



▶ Upper Folder



▶ To save the folder file and exit



▶ Lower Folder

- ※ Note - If there is no folder or file in the memory, "No Files!!" is displayed.

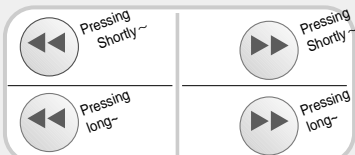
Listening to MP3 Files

【 Basic Instruction 】

▶ POWER ON / OFF



▶ Previous / Next

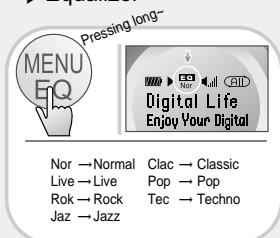


▶ Fast Rewind / Fast Forward

▶ Volume Control

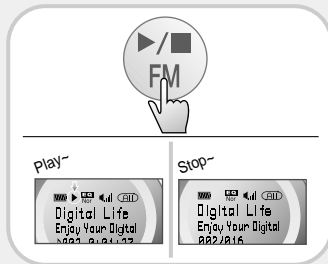


▶ Equalizer

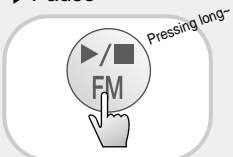


Press the button for 2 ~ 3 seconds while playing the file to enjoy various kinds of sound effects.

▶ Play / Stop



▶ Pause



By pressing the button for 2 ~ 3 seconds while playing, the user can temporarily stop playing.

Listening to the FM Radio

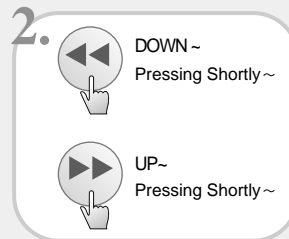
▶ Turning on the Radio

By pressing the button for a while in Stop state, the user can go to FM Radio menu.



▶ Searching the Radio Channel

By pressing the button shortly, the user can go search Radio channels.



▶ AUTO Searching Radio Channel

By pressing the button for a while, the user can automatically search radio channels.



TIP : FM Mode

- By using 'NAVI/A-B' Button, set MONO / STEREO
- Stereo setting may be automatically changed according to FM receiving type.

FM Preset Mode

▲Preset Setting

▶After searching the FM channel, press Menu key for a while (around 4 seconds)

▶After searching the channel number by pressing buttons, choose the channel number.

▶Press the Menu key for a while (around 4 seconds) again to save the channel in the chosen number.



▲Checking Preset Radio Channels

▶By shortly pressing the Menu key again, you can check preset Radio channels.

▶To go to the initial FM state, shortly press the Menu key again.



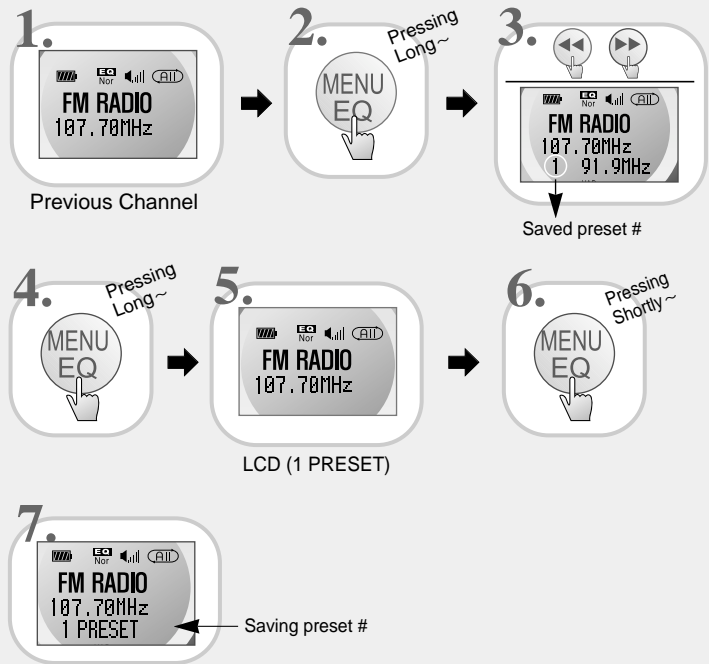
※ -"Preset No" message on the LCD means that the channel was saved and the user can listen to the channel.

-Preset numbers are from 1 ~ 20. In other words, maximum 20 channels can be saved.

FM Preset Mode

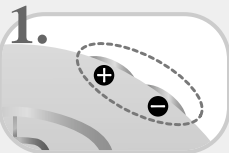
▲Changing the Preset

-Without selecting a menu, the user can freely change and set channel presetting.



Recording While Listening to FM Radio

▶ Before starting recording, control the volume.



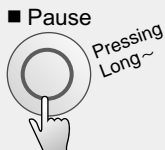
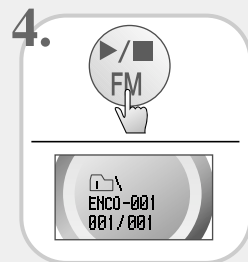
▶ By shortly pressing Record button while listening to FM radio, it can start recording.



▶ To stop recording, shortly press Record button.



▶ To view information of the recorded file, press Record button, or to play the file, press Record button again.



(To temporarily stop recording, press Record button for 2 ~ 3 seconds.)

TIP - To View information of the recorded file, press Menu/EQ button.
- Recording track name is displayed as ENCO on the LCD

Voice Recording

[Things to Check Before Starting Recording]

- ▶ Select MIC IN Music Source menu.
- ▶ For normal recording, select VAD On from Music Source Menu.

VAD-ON: When no sound input is made, The device enters into Pause state and resumes recording when voice input is made.

- ▶ Before recording, control the volume.

※ Before recording, thoroughly read lower functions relating to voice recording.

[Recording Voice in the Folder]

1 Selecting Memory Sel

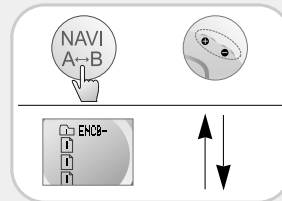
The user can optionally listen to the music saved in the internal/external memories.
- Go to Memory Sel menu in Stop State, and set internal / external memories with '+/-' buttons.

2 Setting a folder with NAVI/A-B button

By setting files in a folder, the user can optionally listen to music.

- Step 1 : Go to Folder Search menu with NAVI/A-B button in Stop State, and search the folder with '+/-' buttons.
- Step 2 : Enter the folder with '>>' button, and search folder files with '+/-' buttons.
- Step 3 : Set the folder files with NAVI/A-B button and exit.

[Searching NAVI Folders]



▶ Upper folder



▶ Lower folder



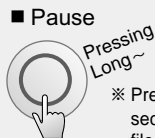
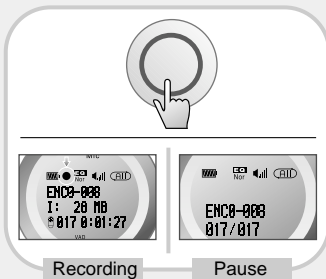
▶ To save the folder file and exit

※ Note - If there is no folder or file in the memory, "No Files!!" is displayed.

Voice Recording

[Basic Function]

-Press the button to start recording in Stop state.



※ Press the button for 2 ~ 3 seconds while playing the file to temporarily stop playing.

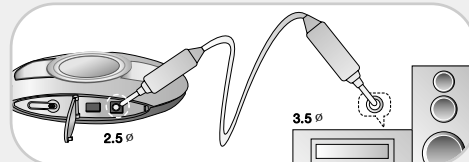


-Checking and Listening to Recorded Voice
To display the file name of recorded voice, press the button.
To play the file, press Play button again.

TIP -To View information of the recorded file, press Menu/ EQ button.
- Recording track name is displayed as ENCO on the LCD

Encoding from External Devices

[Connecting the Product with an External Device]



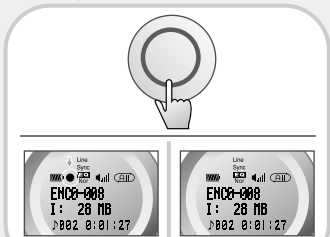
[Things to Check Before Starting Encoding]

- Select "Line In" from Music Source Menu.
 - Select "VAD On / Off" from Music Source Menu.
 - Select 1 Sync / Sync Off / Sync On in Sync Menu.
 - ▶ 1 SYNC - Automatically stops after encoding one track.
 - ▶ SYNC ON - Encodes all tracks by dividing them into each track and encoding them into each file.
 - ▶ SYNC OFF - Encodes all tracks as a single file.
 - Select 32KHz / 44.1KHz / 48KHz in Sample Frequency Menu.
 - ▶ The higher the frequency is, the higher the recording sound quality.
 - Select Low / Middle / High in Silence Level Menu.
 - ▶ The user can select the recording sound quality by bit rate.
 - Select MONO / STEREO / JOINT STEREO in Channel Menu
 - Control the volume in Line in Volume Menu.
 - TIP** - Line In Volume : During encoding, increase the volume of the external device.
 - JOINT STEREO :When the Line in volume is high, encoding is made at a high volume as well.
- ※ Before recording, thoroughly read lower functions relating to external device recording.

Encoding from External Devices

[Encoding from External Devices]

▶ After turning on the external device, press the button in Stop state to start recording. To stop recording, press the button again.



Recording

When encoding, the indicated part blinks on the LCD.

Stop



- Checking and Listening

To display the file name of recorded voice, press the button.
To play the file, press Play button again.

■ Pause



2-3 seconds

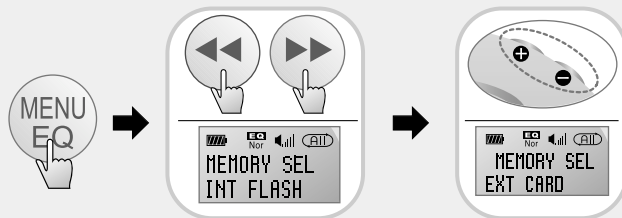
※ Press the button for 2 ~ 3 seconds while playing the file to temporarily stop playing.

TIP - To View information of the recorded file, press Menu/EQ button.
- Recording track name is displayed as ENCO on the LCD.

Navigation Mode

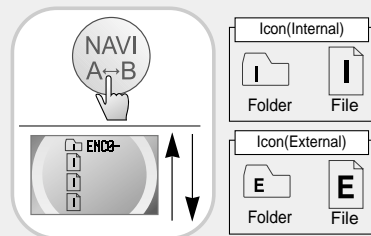
[Setting the Internal / External Memory]

(Go to Memory Sel menu in Stop state, and set the Int Flash (internal memory) or the Ext Card (external memory) by using +/- buttons.)



When inserting external memory

[Searching NAVI Folders]



▶ Folder File search (+/- Button)
Continuous Search



▶ Upper Folder



▶ Lower Folder



▶ To save the folder file and exit

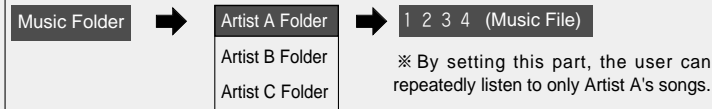
※ No file is played in the search function

Navigation Mode

【Folder / File Search】

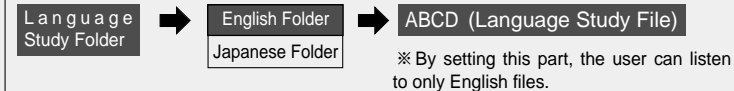
■Listening to Music

Example) Selective Music Listening



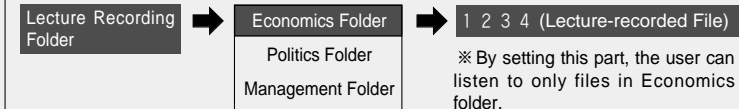
■Language Study

Example) Selective Language Listening



■Recording Lectures

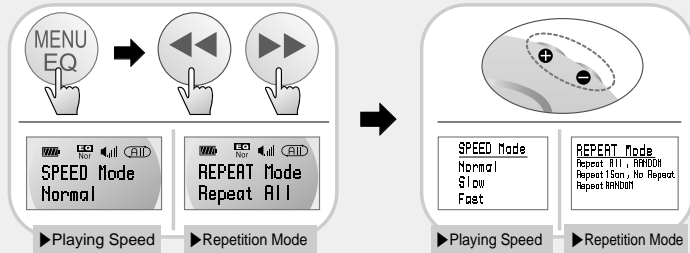
Example) Selective Lecture Listening



Other Menu Functions

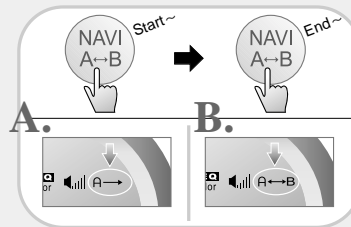
■Playing Speed / Repetition

(Go to Menu Mode in Stop state, and make a setting by pressing +/- buttons.)



TIP - Repeat ALL - Play all tracks in sequence
 No Repeat - Play only a selected track, then stop
 Repeat 1 son - Continuously repeat only a selected track
 Repeat RANDO - Repeat all tracks randomly
 RANDO - Play all tracks randomly

■Section Repetition



A. Shortly press the button at the starting point of the repetition section during playing.

B. Shortly press the point at the ending point of the repetition section during playing.

Other Menu Functions

[Language Study]

- Setting the repetition count of the phrase (from 1 to 9)
(Go to Auto Repeat Mode in Stop state and make a setting by pressing +/- buttons.)



- Continuous Repetition of the Phrase (Auto)
(Press the button for a while at the starting point of the repetition section during playing.)



TIP - By continuously playing/repeating each phrase, the user can easily study a foreign language.
- When setting the repetition count to 2 times, the phrase is continuously repeated 2time.
(When no setting, the phrase is repeated one time)

- Language Repetition Study -EXERCISE
(Set 'ON' with '+' / '-' button in the Exercise menu under the stop status.)

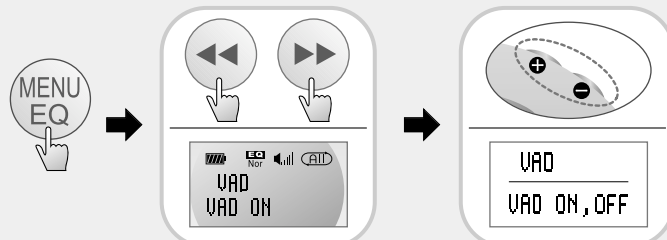


TIP - The playtime is given according to the length of phrase. The user can listen and repeat according to the phrase.

Other Menu Functions

- [Voice Recording] ※ Select MIC from Music Source menu before recording.

- VAD (Voice Activity Detection) - When no sound input is made, NewGen5 enters into Pause state and resumes recording when voice input is made.



(Go to VAD Mode in Stop state, and set VAD On/Off by pressing +/- buttons.)

- Setting Silence Level (Adjusting the Sensitivity of the External Music Source) - In VAD On state, the user can record voice with various music source sensitivity settings.

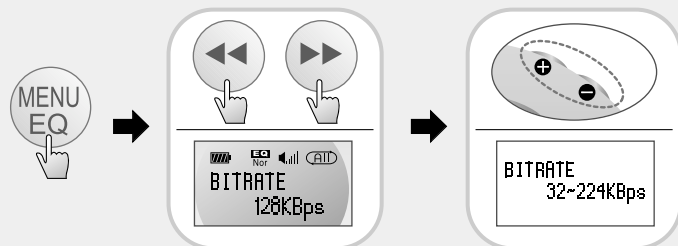


(Go to Silence Level in Stop state, and set Low / Middle/ High by pressing +/- buttons.)

Other Menu Functions

■Bit Rate (Selecting the Recording Sound Quality)

- The user can select the recording sound quality by bit rate.



32 / 40 / 48 / 56 / 64 / 80 / 96 / 112 / 128 / 160 / 192 / 224kbps

Normal sound-quality recording
Long-time recording

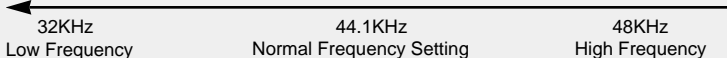
High sound-quality recording
Short-time recording

TIP - The default bit rate is 128kbps.

■Setting Sample Frequency

-The higher the frequency is, the higher the recording sound quality.

(Go to Sample Frequency menu in Stop state, and set 32KHz / 44.1KHz / 48KHz by pressing +/- buttons.)



※ When voice-recording is made, ● symbols blinks on the LCD.

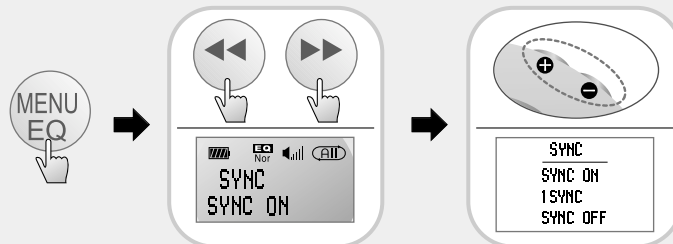
Other Menu Functions

[Encoding from an External Device]

-Select Line from Music Source menu before encoding from an external device.

■Sync Function

-When encoding from an external CD player, the user can automatically encode each track.



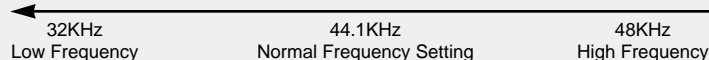
(Go to Sync menu in Stop state, and set 1 Sync / Sync On / Sync Off by pressing +/- button.)

- ▶ 1 SYNC - Automatically stops after encoding one track.
- ▶ SYNC ON - Encodes all tracks by dividing them into each track and encoding them into each file.
- ▶ SYNC OFF - Encodes all tracks as a single file.

■Sample Frequency

-The higher the frequency is, the more similar the MP3 file is to the original sound in case of encoding from an external device.

(Go to Sample Frequency menu in Stop state, and set 32KHz / 44.1KHz /48KHz by pressing +/- buttons.)



Other Menu Functions

■ Silence Level

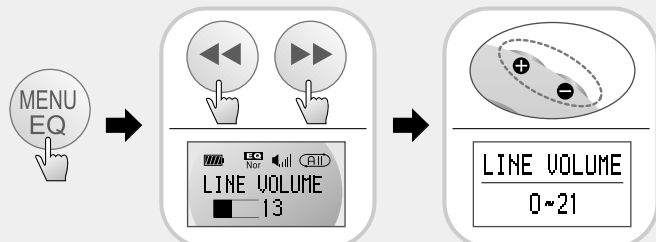
-When encoding from an external device, the user can encode by setting the silence level of the music source.



(Go to Silence Level menu in Stop state, and set Low / Middle/ High by pressing +/- buttons.) (TIP - In case of normal encoding, set the middle level.)

※ According to the silence level setting, Sync function may have different performance during encoding.

■ Line In Volume



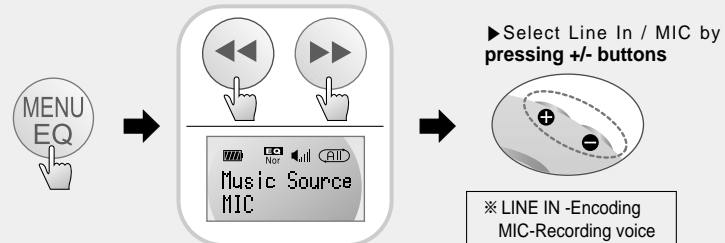
(Go to Line In Volume menu in Stop state, and set the volume by pressing +/- buttons.)

(TIP-When the external device or the Line In volume is high, encoding is made at a high volume as well.)

Other Menu Functions

[MUSIC SOURCE] -Select the menu before recording/encoding.

▶ Select Music Source from the menu.



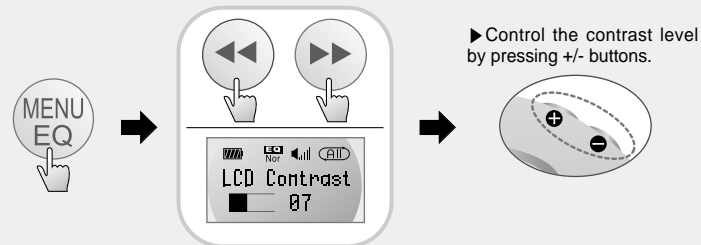
▶ Select Line In / MIC by pressing +/- buttons

※ LINE IN -Encoding
MIC-Recording voice

TIP- MIC icon is not displayed on the LCD

[LCD Contrast Level Control]

▶ Select LCD Contrast from the menu.

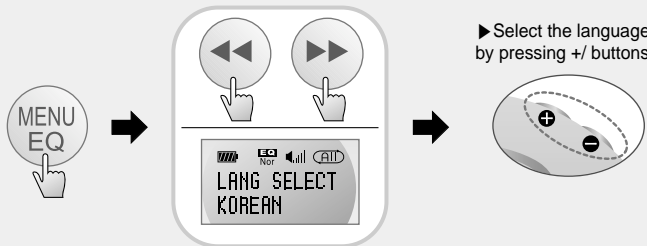


▶ Control the contrast level by pressing +/- buttons.

Other Menu Functions

【Language Selection】 (Korea/English/Japanese/Chinese(Simplified/Traditional))

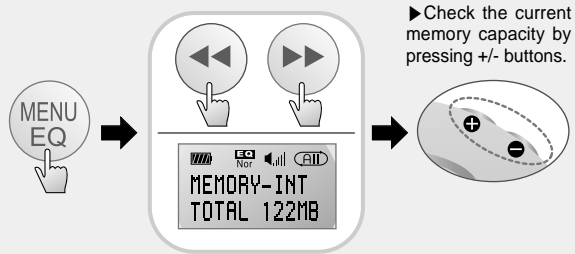
▶ Select LANG Select from the menu.



※ If a wrong language setting was made, broken characters may be displayed on the LCD.

【Internal/External Memory Capacity】

▶ Select Memory Int from the menu.



Internal Memory Capacity

MEMORY-INT
TOTAL 122MB

Available Memory Space

MEMORY-INT
REMAIN 24MB

Extended Memory Capacity

MEMORY-EXT
TOTAL 122MB

Available Memory Space

MEMORY-EXT
REMAIN 24MB

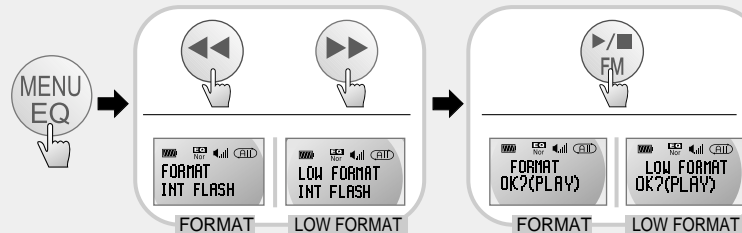
Other Menu Functions

【Memory Format】

■FORMAT / LOW FORMAT

▶ Select Format / Low Format from the menu.
(The required time depends on the memory capacity.)

▶ Play button to
(OK?/PLAY)



※ -Format the memory only in the device.

-Keep in mind that the user cannot recover any file after memory format.

TIP -Fast initialization format - Delete and format part of the saved content.
Slow initialization forma - Erase and format whole of the saved content.

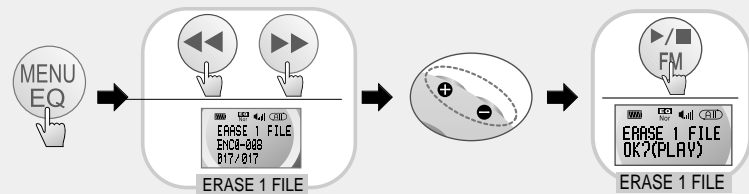
Other Menu Functions

[ERASE 1 FILE/ FOLDER ERASE]

■ Select ERASE 1 FILE

▶ Select ERASE 1 file from the menu

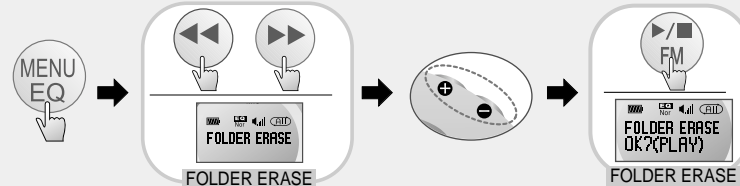
▶ Play button to (OK?/PLAY)



■ FOLDER ERASE

▶ Select ERASE / FOLDER ERASE from the menu

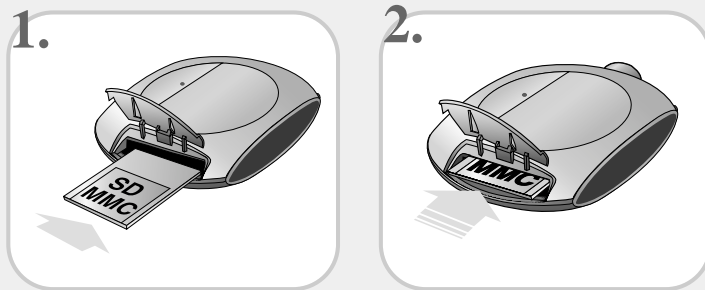
▶ Play button to (OK?/PLAY)



TIP- 'ERASE 1 FILE' deletes only a selected file.
 'FOLDER ERASE' deletes all file in folder except the folder

Other Menu Functions

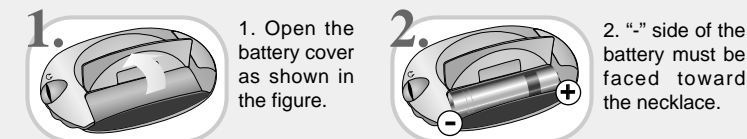
[Functions and Using Method of the SD/MMC]



1. Fully insert the SD/MMC into the slot.
2. Remove the SD/MMC into the arrow direction as shown in the figure.

[Inserting the Battery]

Note: ※ Replace it with a new one under the stop status.
 ※ Do not open the battery cover fully to prevent its damage.



TIP - To efficiently use the battery and maximize the using time
 - Take out the battery when is not used for a long time.
 - Control the LCD brightness level on the menu.

Firmware Upgrade

[F/W Upgrade] - Management

■ installing the Driver for Firmware Upgrade

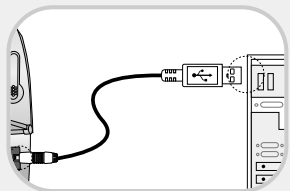
- ▶ Step 1 : Insert installation CD into the CD-ROM of the PC



Win98.Win2000.WinMe/XP in the folder

- install 98.bat (Window 98)
- install 2000.bat (Window 2000)
- install Me/XP.bat (Window Me/XP)

- ▶ Step 2 : After connecting the USB cable, the removable disk is displayed in the PC



TIP - After disconnecting the USB cable of NewGen5 for which firmware upgrading has been made, turn off NewGen5 and turn it on again.

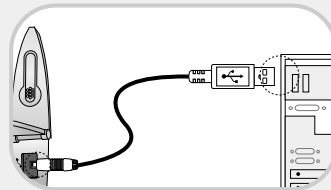
Firmware Upgrade

[F/W Upgrade] Firmware Data Downloading

- ▶ Step 1 : First, download the firmware data from Download Library in the website of TeraValue and save it in the PC.
- ▶ Step 2 : Press Play button in the F/W Upgrade mode.



- ▶ Step 3 : Connect the device with the USB cable.



- ▶ Step 4 : Click the Mp3explr.exe file saved in the folder.

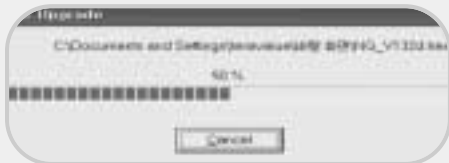


Firmware Upgrade

- ▶ Step 5 : Select Upgrade Application Code in the Tool menu.



- ▶ Step 6 : Select the downloaded data file and click open button, and the firmware starts to be downloaded.



※ Note

Disconnecting the USB cable while downloading is made to upgrade the firmware may cause a critical damage to the product.

- ▶ Step 7 : After finishing download, disconnect the USB cable and press record button, and the user can go to initial state
- ▶ Step 8 : Using Firmware Upgrade
- After disconnecting the USB cable for firmware upgrading has been made, turn off the device and turn it on again.

Self- troubleshooting

[When the device does not function properly, check the following first before requesting repair services.]

The LCD does not function	<ul style="list-style-type: none"> ● Check batteries. (If batteries are done, replace it with a new one.) ● Check if LCD Contrast Level is so weak (Increase the LCD Contrast Level.)
Recording is not made	<ul style="list-style-type: none"> ● Check if the device is not in Hold state. (Release the Hold switch.) ● Check if the memory space is in full. (Delete unnecessary files.)
The file is not played	<ul style="list-style-type: none"> ● Check if the device is not in Hold state. (Release the Hold switch.) ● Check the battery. (If the battery is done, replace it with a new one.) ● Check if the volume is not 0. (Increase the volume.) ● Check if the file has been made. ● Check battery polarities. (insert the battery into the correct direction.)
Downloading from the PC is not made	<ul style="list-style-type: none"> ● Check if the USB port is connected when moving the data. (Check the USB port connection status.)
Broken characters are displayed on the LCD	<ul style="list-style-type: none"> ● Check if language setting has been correctly made in Menu ▷ Display ▷ Language menu
The music is played slowly / fast	<ul style="list-style-type: none"> ● Check if the play speed in the speed mode is correct
Stored data is not executed or deleted	<ul style="list-style-type: none"> ● Format the memory(Low Format) ● Check if the data is not larger than the memory capacity

Product Specifications

[Model Name: NewGen5 Series]

- TN-510 (128MB) / TN-530 (256MB) / TN-550 (512MB)

Dimensions	46.5 × 77.5 × 5 (W × H × D)
Weight	46g (Including the battery)
Memory Extension Slot	SD / MMC Card
Bit Rate	32kbps ~ 224kbps
Sampling Frequency	32KHz / 44.1KHz / 48KHz
File Transmission Rate	Maximum 5Mbps
Supported File Types	MP3 File/WMA
FM Noise Ratio	50dB
FM Frequency Area	76MHz ~ 108MHz
Earphone Output	20mW(L) + 20mW(R)
Voice Recording	About 72 hr / 1GB
Supported Languages	English/ Korea/Japanese/ Chinese (Simplified / Traditional)
Maximum Playing Time	Approximately 12 hours
Operating Systems	Window98 / ME / NT / 2000 / XP / Mac OS / Linux
Battery	One AAA Alkaline Battery

※ Since functions share the memory, the memory area used by each function may change.

Warranty

1. This product has been manufactured under strict quality control and inspections.
2. For breakdowns occurring within the warranty period (one year) under normal operating conditions, TeraValue provides free repair services.
3. However, if the breakdown is due to reasons mentioned below, TeraValue may charge service fees.
4. Please fill in the Warranty card and keep the warranty card for free repair services.
5. When a problem occurs, contact the sales office or TeraValue at the following address.

- ※ For breakdowns due to the following reasons, service fees will be charged
- Breakdowns due to user's mishandling
 - Breakdowns due to unauthorized remodeling
 - Breakdowns due to natural disasters - fires, seawater, flood, earthquake, etc.

Product Name		Model Name	
Serial Number			
Customer		Tel	
Add			
Sales Office		Tel	
Add			
Purchase Data		Warranty Period: One Year	
Seller	Name	TeraValue	Tel+82-31-788-7375
	Add	Suite 509 kyounggi Venture Bldg, korea Design Center, #344-1, Yatap-1dong, Bundang-Gu, Sungnam-si, Kyounggi-Do,463-070, Korea	

※ Please fill in Customer, Sales Office and Purchase fields in this form when you purchase a product.