

NEWGEN™



USER MANUAL

The newgen is household electronics and certified for electronic wave safety. It can be used in anywhere.

Player features

1. 4 functions (Digital camera, digital voice recorder, MP3 Player, Portable data storage) in one device make it easy to use and carry it around.
2. Newgen is compatible to various operating systems, Mac 8.1 or above, win 98/98 SE/ME/2000/XP. Connect the USB cable to the USB port of the PC, PC will automatically recognize it as a portable data storage. you can use it freely as it's hard disk driver.
All the files in PC can be stored in Newgen by Drag & Drop (12 megabytes per sec.)
3. Voice file can be attached on photo taken.
4. Four folders, voice folder A, B, MP3 folder, Picture folder can save up to 1000 files in each folder.



5. Application software can control sound electronic photo album. Memorable pictures can be stored with voice. Recorded voice can be sent by e-mail. in exe. file and receptor can listen to voice file without program installed.
6. Play speed, repeating tracks and section make it useful for language studying.
7. Volume Automatic System keeps the even sound.
8. Files in Newgen is executable in PC and Newgen is compatible to various application software.

Visit our website at <http://www.teravalue.com> to update your application software or download driver.

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.Connecting the Newgen to PC



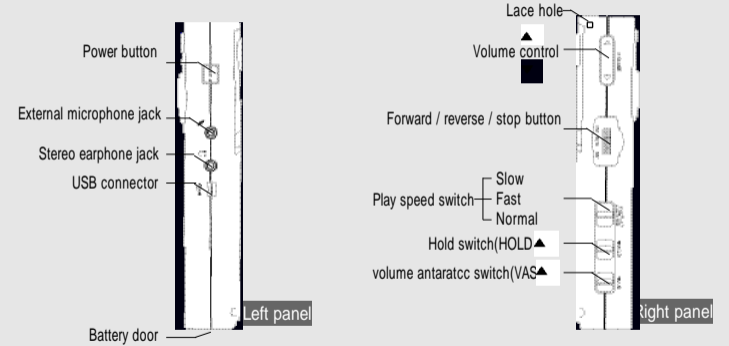
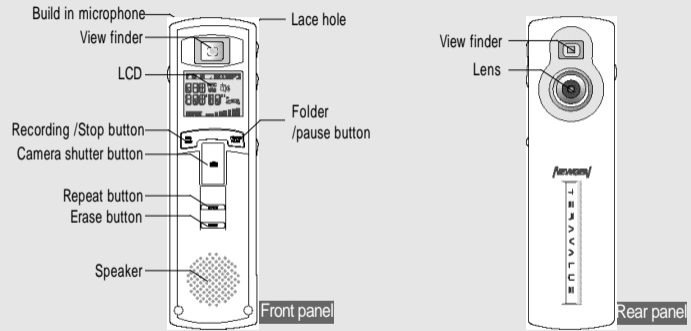
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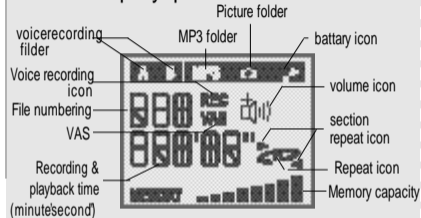
.Individual use

Parts description



Display panel

LCD display panel



Each bar among eight bars of memory capacity has a capacity as below

Model	TN3203A	TN6403A	TN2803A
Capacity	4megabites	8megabites	16megabites

Parts

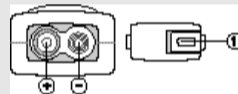
user's manual, phone connector cable, phone recording adaptor AAA type batteries(2), necklace strap, application software installation CD Microphone, audio cable, stereo earphone, USB cable.



Inseting the battery

Battery installation.

1. Open the battery door below the main unit, insert 2 AAA type alkaline batteries and close the battery door(battery : AAA type or equal type)



2. Battery capacity icons are as follows enough, lightly used, heavily used, empty.

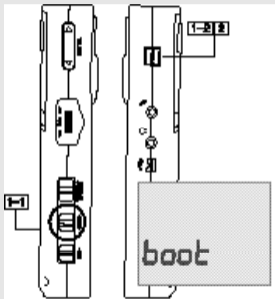


Playing time (AAA Avahel)

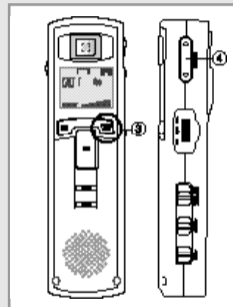
Batteries	Recording	Listening through speaker\$medium volume)	Listening through earphone	Taking photo(consecutive shooting)
"AAA"Alkaline batteries	9hrs	8hrs	14hrs	1,600 photos

For efficient battery use, it will power off automatically when it's not in use for more than 10 minmtes. Pay attention to the orientation of the + and - ends of the batteries.

Basic functions (turn on & off the power, selecting files, setting the volume)



1. Turn on the power - While the hold switch is off, press power button. "boot" appears on the display panel and it's for use. While the hold switch is on, "Hold" will appear on the display panel and automatically turned off.
2. Turn off the power - If the unit is in the stop mode for more than 10 minutes, it will power off automatically. Press Power button in the stop mode to power off manually.



3. There are four folders as below - Press Folder/Pause button in stop mode to select file in sequence.

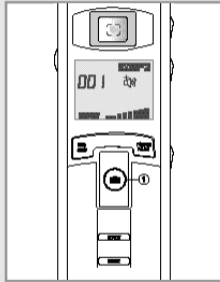
Division	"A"folder	"B"folder	"MP3"folder	" " folder
Use	voice recording	voice recording	MP3	Taking pictures and recording


4. Control volume with the volume control button.

Indication				
Volume	1~2	3~4	5~6	7~8

while the hold switch on, buttons on the Newgen won't work.
(Hold switch on in stop mode more than 10 minutes, it will power off automatically)

Taking pictures



1. Using view finder, get an right angel of the object and press  shutter. Hold still until it makes“ bee” sound to get good quality pictures. (Up to 1,000 pictures can be saved in the folder. In case of sound attached pictures, numbers can be varied)

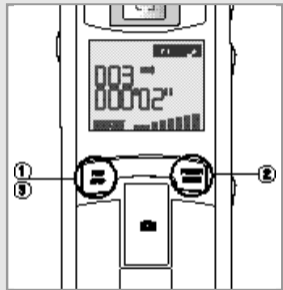
Up to 1,000 files can be stored in one folder. In case of files with photo attached, attached voice files are also saved in the folder and max. number of photos in the file may vary.



2. While pictures are being compressed, “PIC SAVE ” will appear on the LCD, you can take next picture when the sign is off.

Be carefull not to cover the lens with your hand or necklace.

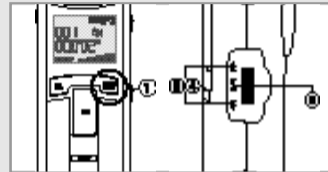
Attaching sound encoding on picture



1. You can attach your voice on the picture by pressing REC/STOP button within 10 seconds after shooting.
2. Press Folder/Pause button to pause recording. You can resume the recording by pressing again FOLDERPAUSE button.
3. Press REC/STOP button to finish recording.

If the memory is full, Newgen will automatically shut off the recording.

Listening to the attached encoding on picture





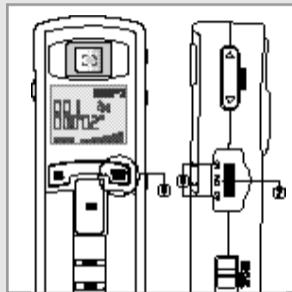
1. Press Folder/Pause button to select folder.
2. Select the file you want to listen by pressing  button.
photo file with voice show Anot and photo only file shows a number sign.
3. Press Play/Stop button to playback attached voice recording.
4. While playback, you can playback previous or next recording by pressing  buttons.




photo file with voice.



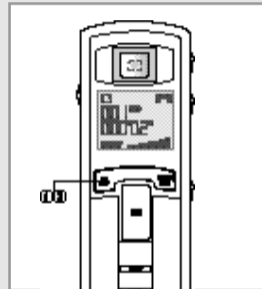
photo file



5. Pull down and hold to move forward or backward within the current file.
6. To pause playback, press Folder/Pause button. Press Folder/Pause button again, it will resume playback.
7. Press the  button of your Newgen player to stop playback.

When earphone is connected to Newgen, speaker will be shut off.

Recording



<Folder>

Up to 1,000 files can be saved in each A & B folder.

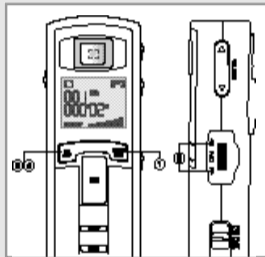
1. Face the Newgen to the source of the sound Press Rec/Stop button, the voice will be recorded in the sequence of the file numbers.



(All voice files will be stored in folder A unless you choose B folder.
Voice file attached to photo will be stored in photo file)

2. Press REC/STOP button to stop recording.

Testing recording is recommended.
The player will automatically stop recording when the memory becomes full.
Adjust volume level before recording.

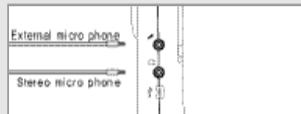
Additional encoding on recorded file



1. Use the Folder/Pause button to select the file you prefer to add additional recording.
2. press   button to select the file.
3. Press and hold REC/STOP button for more than 2seconds for additional recording following the selected file.
4. Press REC/STOP button again to stop recording.

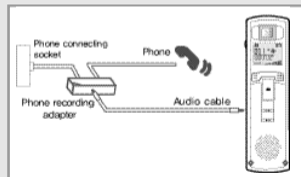
Additional recording is not made on the voice file attached to photo.

Recording through external microphone and recording phone conversation



<Recording through external microphone>

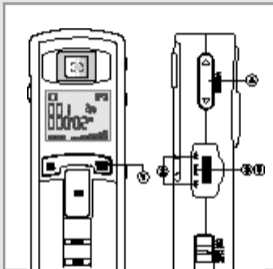
External microphone connected to Newgen excludes the built in microphone and voice can be recorded through external microphone.






<Recording phone conversation>

After connecting recording adapter and cable, press Rec/Stop button while phone conversation. (This feature is made only with same modular jack telephone)

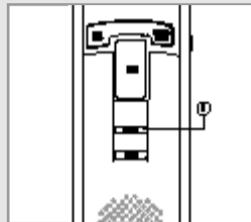
Listening to recorded file



The last recorded file will be played back when you press Play / Stop button right after recording.

1. Use Folder/Play/Pause button to select the voice folder that you prefer.
2. Press  button to select file number.
3. Press  button to playback the selected file.
4. Control volume with the volume control button.
5. You can pause the track by pressing Folder/Play/Pause button, press Folder/Play/Pause button again to resume playback.
6. Press  button to stop playback.

Repeat segmentation (Repeating folder)



<Repeary file>




<Repeary section>


<Repeating folder>

1. The folder will be continuously repeated. To cancel this function, press any button.

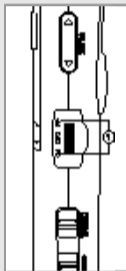
<Repeary file>

1. Press and hold Repeat button for more than 2 seconds during playback  displays and the file will be repeated. Press Repeat button again to stop.



<Repeating section>

1. Press the Repeat button at the start point of the section that you want to repeat and press Repeat button again at the end point of the section that you want to repeat  displays and the selected section will be automatically repeated.


Without selecting end point of the section, it will repeat the start point of the section to end of the file that you want to repeat.

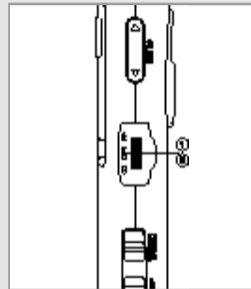


<Fastforward, Rewind>



To search a file in stop mode - Press the  button & to select a file.
 To search a file while another file is being played back - Press  button to move on track for word or backward.

<To search within a file being played back>

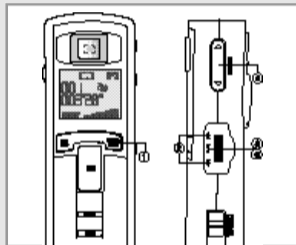
1. Press and hold  buttons to fast forward or rewind. Release the button to resume playback. (This feature allows you to easily search a section in lengthy recording)



<Search mode>

1. In stop mode, press and hold  button for more than 2 seconds. First 5 seconds of each file in current folder will be played back in sequence.
2. Press  button again to playback the file you prefer to listen, when its first 5 seconds is being played back.

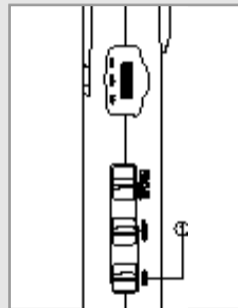
Listening to MP3



1. Select MP3 folder by pressing FOLDER/PAUSE button.
2. Press button to select the number of file you prefer.
3. Press button to playback.
4. Control volume with the volume control button.
5. Press an air button to stop playback.

Download MP3 files? (Please refer to Downloading files PC to Newgen)

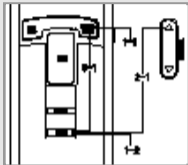
VAS




<VAS(Volume Automatic System)>

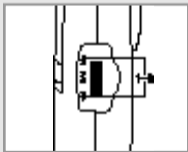
1. While VAS switch on, it keeps the sound level evenly.

Erasing files




<Erasing one file>

- 1-1. Press FOLDER/PAUSE button and choose the folder that has the file you want to erase.
- 1-2. In stop mode, press  button and choose the file you want to erase. Press and hold the Erase button for more than 3 seconds to erase selected file.



<Erasing a folder>

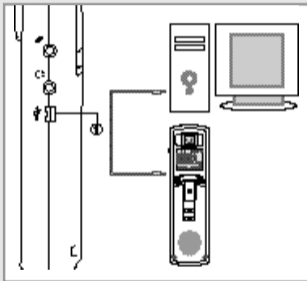
- 2-1. Press and hold Erase button and Volume  buttons for at least 2 seconds in stop mode. "FOL ERASE" will be displayed and entire folder will be erased.

<Formatting the memory>

- 3-1. Press Erase and Folder/Pause buttons for at least 2 seconds in stop mode. "ALL ERASE" will be displayed and format the entire memory.

.Use New gen connected to PC

Connecting the Newgen to PC



(Connected to PC with USB cable, Newgen works as a storage.)

1. Connect™ the USB cable to the USB port of the PC and connect the other end of the cable to the USB connector.
2. PC will automatically recognize the Newgen as a portable disk storage.

(PC automatically recognize Newgen as a portatble disk storage without software installation on window2000/Me/XP, Mac 8.1 or above)

(Power will be turned off automatically when USB code is unplugged, turn on the power before you use it agian.)

Installing Win98 driver on PC

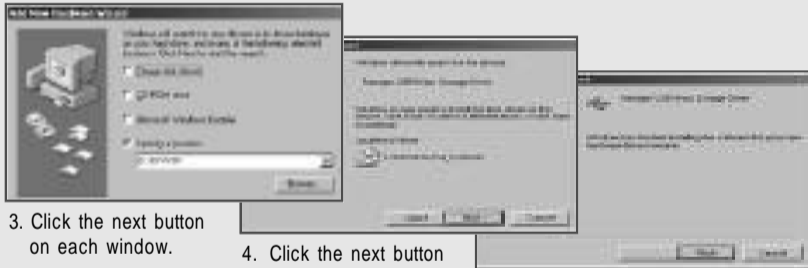


1. Click the next button on each window.

2. Chck the next button on each window.

(PC automatically recognize Newgen as a portatble disk storage without software installation on window2000/Me/XP, Mac 8.1 or above)

Opening Newgen 6ides on PC



3. Click the next button on each window.

4. Click the next button on each window.

5. Driver is installed, click Finish.



1. Connected to PC, the Newgen will be recognized and displayed on window as a portable disk driver.
(Newgen stores and executes all the files in PC, same as disk driver.)



2. Click portable disk driver, there are 4 folders, MP3, picture, voiceA&B. You can copy music files to playback in Newgen in MP3 folder. There are photos taken and attached voice file in picture folder. Voice A&B folders have recorded voice files.

(Do not erase MP3, picture, Voice A&B folders.)

Download MP3 files PC to NewGen

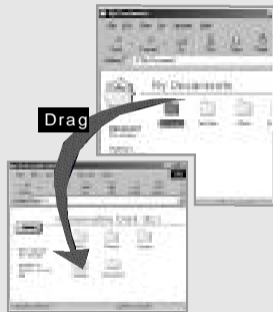


Drag



1. Click and drag selected MP3 file from PC and drop into MP3 folder or you can copy the MP3 file in PC and paste it in MP3 folder.

Saving data in Newgen



1. While Newgen is connected to PC, execute search window. Click and drag file to download to Newgen and drop into portable disk driver.

While transmission "On copy" will be displayed. Do not unplug USB port until "On Copy" sign disappears. Otherwise it may cause data loss.

Saving files to PC



1. While Newgen is connected to PC, click and drag file and drop into the folder that you want to save in PC.

Installing the application software

Photo special effects can easily edit photos

Photo EZ can make electronic photo album with attached voice file.

Photo greeting cards can send greeting cards with photo and voice combined Jet voice mail can send voice mail and let you listen to recorded voice.

1. Insert the application software CD into CD-Rom drive.
2. Press Install button. From this page on, please follow instructions on the screen.
3. After installation, Newgen and Jet voice mail icons will be displayed on the screen.

Move to application software



Click on Newgen on the screen to move to next page.



This button is to search files. When it's in search mode, the related files appear on the middle of the visual control screen. Click and drag file that you want to erase into Trash on right end of the corner. In case all the files don't appear on screen, use arrow sign below to move page up and down.



This button is to arrange files. Files can be arranged alphabetically upward or downward, and in icon groups.

Click this button to move to each application program (Please refer to Help for additional assistance)



Photo special effects can easily edit photos.

Photo EZ can make electronic photo album with attached voice file.

Photo greeting cards can send greeting cards with photo and voice combined.

(In case there is restrictions to send email due to server administration and security reasons, photo card can be mailed out with attached music file in execute file.)

Jet voice mail can edit, playback recorded voice file and email voice file in execute file.



It is to delete files. Click this button to see the list of deleted files. You can choose to delete permanently or restore files. Files in Trash stays until permanently deleted.



It is to close Image manager.



It is to minimize the screen.



It is Help section.

Generating electronic photo album with sound

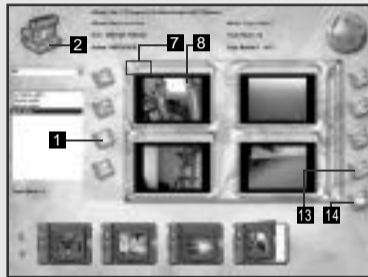
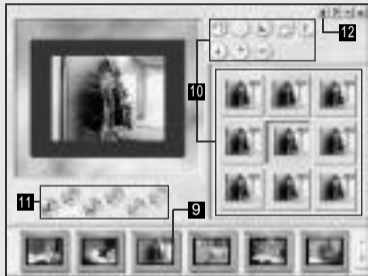


Photo EZ edit and store photos taken by Newgen and create electronic photo album.

1. Press "Add album" button and state name and theme of the album.
2. Press "Load picture" button.
3. Press "Search" button and collect pictures you like to add on your album. (portable disk E " or " G " has MP3, Picture, Voice A, Voice B folders. Click Picture folder and collect pictures)
4. Among pictures click the pictures that you want to be on your album, selected photo will have yellow outer frame.
5. Click "Save" button on the low end of left corner to save pictures in the album.



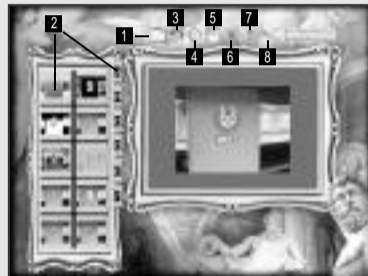
- (If you want to save pictures in the picture folder, press "Save" button on the low end of right corner)
6. Click on "Previous screen," first page of Photo EZ appears with selected pictures on 4 windows. In case there are too many pictures, use "Arrow" keys to move page down.
 7. There are sign on the top of pictures on 4 windows. the sign indicates attached voice file. You can listen to the voice file by clicking it. You can see the pictures in full size by clicking.
 8. For special effects, click picture on 4 windows.
 9. Among the pictures below, click and drag the picture that you want to add special effects to big screen on left. (In case there are six pictures or more, click "Arrow" key on low right end to see more pictures)
 10. Click the icon on above right end to add special effects to the picture. According to the effect that you select,



none different pictures will appear on screen to right. click on the picture that you prefer, the selected picture will appear on left screen.

11. The icons on low end of left corner have Save / Picture print / Print out / Text / Recording features. Edit the picture as you want and press "Save" to save the edited pictures. You can erase the picture by clicking "delete" button. Using "Picture print" or "Print out" you can print out picture. To add text on your album, click "Text" and click on "playback" to listen to voice file.
12. Click "Previous page" to go to first page of Photo EZ.
13. Your album can be saved as a execute file by clicking exe. file icon. Among the icons on right side of screen. The exe.file can be emailed out as attached file.
14. Click on "Presentation" among the icons on right side, your album will be displayed as a slide.

Special effects on photo



1. Click on "Open" and drag the picture that you prefer to add special effects. (click on Picture folder in portable disk and collect pictures)
2. On left side of screen, 8 pictures with different effects will appear. You can add more special effects by clicking A,B,C,D,E,F and more pictures will appear on screen. Click the picture that you prefer.
3. To cancel the special effects on picture, press "cancel" and the picture will go back one step before the last change.
4. Click on "restore" to go back to original picture.
5. Click on "save" to store edited picture.
6. Finish Photo special effect by clicking "close" button.
7. Any question? Click on "Help".
8. Click on "minimize" button to minimize the screen.

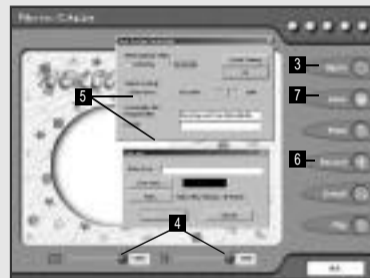
Greeting cards with photo and sound combined



1. Select type of card.



2. Select card.



3. Click "open" button and collect picture that you want to be on your card.

4. Adjust size and resolution by clicking two buttons below.

5. Press left button on your mouse to bring "text input box" on your screen. After selecting color and types of letter, input the text on your card. Press right button on your mouse, "card adjustment box" will appear on the screen. Choose on among overlap or non-overlap. non-overlap will offer better resolution. With overlap, picture will appear blended with background on your card.

6. Click on "Record" and select music to be attached on your card.

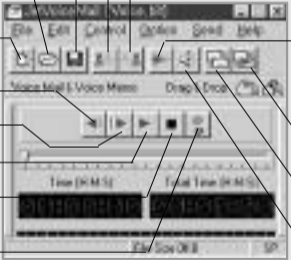
7. After completing the card, click "save".

*You can send the card via email or print out. (In case there is restrictions to send email due to server administration and security reasons, you can send email with recorded file attached)

Voice playback / sending out voice mail

Opening voice file Saving Erase start point of the file to current point
Erase current point to end of the file

This program allows you to edit, playback and email(in EXE.file) recorded voice file. Double click on voice file to playback.



The screenshot shows the Jet Voice Mail software interface. It features a menu bar with 'File', 'Edit', 'Control', 'Options', 'Send', and 'Help'. Below the menu bar is a toolbar with icons for 'New recording', 'Fastforward', 'Rewind', 'Play back', 'Pause / Stop', and 'Record'. A central area contains a progress bar with 'Time (H:M:S)' and 'Total Time (H:M:S)' labels. To the right of the progress bar are buttons for 'Special effects', 'Sending voice mail and Player (In case receiving party does not have a Jet vvice Mail : Send email in exe. file.)', 'Sending voice mail (In case receiving party has a Jet vvice Mail)', and 'Volume'. Lines connect these labels to their respective controls in the software window.

New recording

Fastforward

Rewind

Play back

Pause / Stop




Record

Special effects

Sending voice mail and Player
(In case receiving party does not have a Jet vvice Mail : Send email in exe. file.)

Sending voice mail
(In case receiving party has a Jet vvice Mail)

Volume

1.  Click on "Open" and select the file that you want to playback.
2.  Click on "Play" to playback selected file.
(or you can double click the voice file)
3. Click on  button on right end to attach selected file on emial. State the email address of receiving party, the email will be sent out in exe. file and your receiving party can listen to voice mail without voice playback program.

Recording voice on wav. file



1. click on“File” and“ Save as ” to bring out“ Save as box .”
2. Select the file that you want to save as Wav file.
3. Select Wav file (*.wav) among types of files to save as .wav file
(file saved as wav can be attached on Powpoint, Word and Excell.)

Attaching audio & visual effects on file

Write a text with photo and voice attached on Microsoft Word.



1. Execute Microsoft word, click Insert, Picture and Picture file.
2. Select the photo file that you want to attach on text on Picture Insert Box.
3. Click on“Insert” to attach photo on the text.



4. Click again on "Insert" and select "Object".
5. Select "Wave sound" on "Object box."



6. Speaker sign appears next to the photo and "Object box" will appear on screen.
7. Click on "Edit" and "File insert."
8. Select the voice file in wav or File insert box." Text with photo and voice is completed.

Safety precaution

Please read following rathers and use at with care.

Avoid following areas.

- Near source of heat (above 60°C)
- High humidity area
- Dusty area
- In closed automobile (specially in summer)

Keep away magnetic cards from the speaker It may disable magnetic cards.

Non-original parts can cause malfunctions.

Connect USB cable in stop mode, otherwise it can cause data loss.

Newgen will be automatically formated when flash

memory is broken by outer pressure

Warranty is not applicable in cases of losses and law suit caused by using Newgen.

Warranty is not applicable in loss of data caused by malfunctions, repair etc.

Sand can cause defects beyond repair. Keep Newgen away form sand.

Data can be preserved in Newgen permanently but unexpected conditions may cause memory loss. It's safe to have backup files in PC.



Battery information

Do not short circuit, disassemble and throw in fire. Electrolytic solution such as alkali can flow out and cause heat and explosion.

In case of contact with electrolytic solution on your skin and clothes, wash out as soon as possible. In case of contact on eyes, wash out with clean water and seek for medical profession.

Take out batteries, when it is not in use for long period of time.

Warranty is not applicable in loss of data caused by malfunctions, repair etc.

Safety precautions

Do not repair, disassemble and rebuild on your own.

Remove the batteries, when you sense smoke and deformation caused by heat.

Don't use Newgen where electronic divices are banned such as a plane.

Don't use Newgen while walking or driving. It can cause accidents.

Troubleshooting.

Nothing is displayed on the LCD.
Check the capacity of batteries.
Check the polarity of the batteries.

Replace with new batteries.
Attention to the orientation of the + and - ends of the batteries.

The Newgen doesn't work.
Check the hold switch, Switch off hold.
Check the memory capacity.
Check the capacity of batteries.

Switch off HOLD.
Erase unnecessary contents.
Replace with new batteries.

Troubleshooting.

The Newgen does not playback.
Check the hold switch, Switch off hold.
Check that files are stored, check the file numbers.
Check the capacity of batteries.

Switch off HOLD.
Check recording number.
Replace with new batteries.

The speaker does not work.
Check the volume control.
Check that earphone is connected.

Control volume.
Unplug earphone.

Troubleshooting.

Only "boot" sign appears on LCD and power doesn't come on.

Check 1. Aren't the batteries all used up?

Replace with new batteries.

Check2. Isn't flash memory broken?

Connect USB port and format on Window. Unplug USB port and press and hold "Erase" button and "Folder/Pause" button for more than 2seconds to execute "All Erase".

There is no audio produced in earphone.

Check the volume control.

Control volume.

Check that earphone is fully connected.

Fully insert earphone plug to earphone jack.

The buttons on camera does not work.

Check camera malfunction and

remove batteries and re-work the player

Cutt off power(batteries) and properly operate from the beginning.

The buttons on camera does not work.

Check the battery capacity.

Insert new batteries before use.

Troubleshooting .

Newgen does not work properly with low batteries.

The software won't be installed.

Check minimum PC system requirements.

Check the minimum system requirements.
(Additional hard drive capacity should be remained after program installation)

remained after program installation

Data in Newgen does not execute and erase.

Check 1. Didn't you disconnect USB port during transmission?

Connect USB port and format on Window. Unplug USB port and press and hold "Erase" button and "Folder/Pause" button for more than 2seconds to execute "All Erase".

Check 2. Didn't you save a file bigger than remaining memory capacity.

NewGen™ Specifications

Article	Specs		
Model no	TN3203A	TN6403A	TN2803A
Flash memory	32MB	64MB	128MB
Memory for images	460 copies	920 copies	1,000 copies
Pixels	VGA CMOS IMAGE SENSOR (640 x 480 Pixel)		
Focus range	20cm Infinity (F/2.4), Macro focus range		
Exposure	Auto		
View finder	Optical viewfinder		
Max. recording time (HQ)	540min	1,080min	2,160min
No. of files	4 folders X 1,000 files		

The specifications may vary according to usage. Each folder may have different memory consumption because four folders share one memory.



Max. output	100mW		
Input	Built in mic, external pin mic. And 2.5 stereo jack		
Output	Built in speaker and 2.5 stereo jack		
USB storage capacity	32MB	64MB	128MB
No. of MP3 files	8 songs (4MB/)	16 songs	32 songs
Size	34 x 122 x 22mm (W x H x D)		
Weight	62g (exception of batteries)		
Power	USB or AAA alkaline x 2		
Usage conditions	0 ~ 50		
Accessories	Manual, stereo earphone, USB cable, phone recording adapter, phone connecting wire, audio cable, pin mic., hand strap, AAA batteries x 2, soft ware CD		

Newgen is compatible to various operating system, such as Mac 8.1 or above, Windows 98/98SE/2000/XP.

FCC RF INTERFERENCE STATEMENT

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.

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 the 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 user's authority to operate such equipment.

Warranty

1. This product is produced under strict quality control and inspection.
2. Under the condition of normal usage, free 1 year warranty will be provided.
3. In case of paid services payment may be demanded during warranty period.
4. Please fill out warranty forms when you purchase NewGen™ and keep it.
5. In case of trouble contact the store or number below

Model name	New Gen™
Model name	TN3203A, TN6403A, TN2803A

purchase date	year	Month	Date	Warranty period	1Year
Store				Purchasing price	
Telephone number				₩	

Customer	Address	
	Name	
	Telephone number	

Paid service · Troubles caused by careless usage · Troubles caused by user's internal rebuilding · Troubles caused by natural disasters such as fire, seawater, flooding, earth quake
 · For assistance :031 - 788 - 7382 · <http://www.teravalue.com>