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RipFlash
PRO

PC-FREE MP3
DIRECT RECORD

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RipFlash
PRO

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NMP-310

Thank you for choosing Pogo's exciting new digital product, the RipFlash Pro (NMP-310A). The RipFlash Pro is a portable digital audio player that stores and plays WMA (Microsoft Windows Media Audio) and MP3 music file(s).

The RipFlash Pro is equipped with an MP3 "encoder" that can directly record audio contents from the line-in jack. Additionally, you can download MP3 or WMA file(s) from your PC with a USB interface like any traditional MP3 player.

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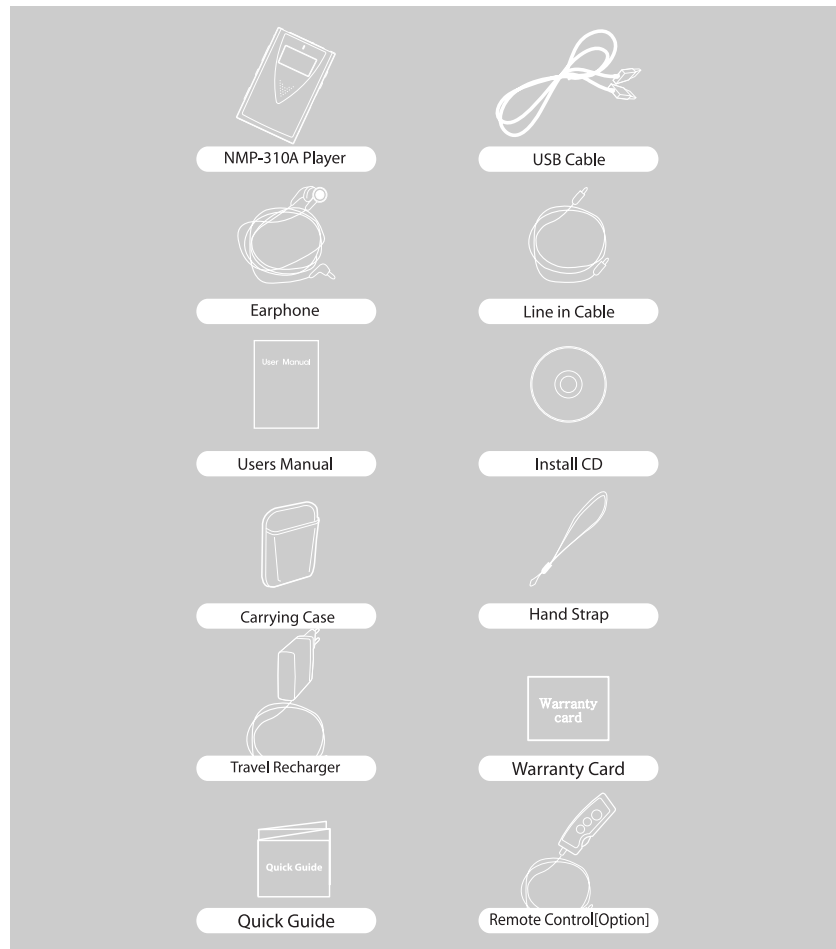
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Product Features

Getting Started with the Ripflash Pro

- **MP3/WMA Music Multi-Format File Decoding:**
Stores and plays Microsoft Window Media Audio file(s) including MP3 file(s).
- **Character LCD Display Equipped Backlight:**
Can be operated easily by selecting a character display in the EL backlight.
- **Line-in Digital Recorder:**
Records audio signal output from all analog sources then converts it into an MP3 file, without the need of a PC.
- **High Quality MP3 Format Voice Recording:**
Stores and plays high quality voice recordings in digital MP3 file format.
- **Variable Bit Rate:**
Varied voice recording or bit rate setting (8kbps~256kbps) allows for more efficient use of memory without compromising sound quality.
- **VAD (Voice Activity Detection) Recording Function:**
An automatic recording function allows maximum use of recording time and memory!
- **Speed Control Function:**
The unit can be modulated to play at slower speeds for ease of listening and/or comprehension.
- **Built-in Speaker Output:**
Listen to music without additional speakers or earphones.
- **Resume Function:**
Tracks resume play wherever they were before the power was turned off.
- **Firmware Upgrade:**
Upgrade this product easily with the firmware download function.
- **Supplied MP3 encoding PC Software:**
A Real Jukebox adaptation program encodes transfers to MP3 music files fast and easily on a PC.

Getting Started with the Ripflash Pro Package Contents



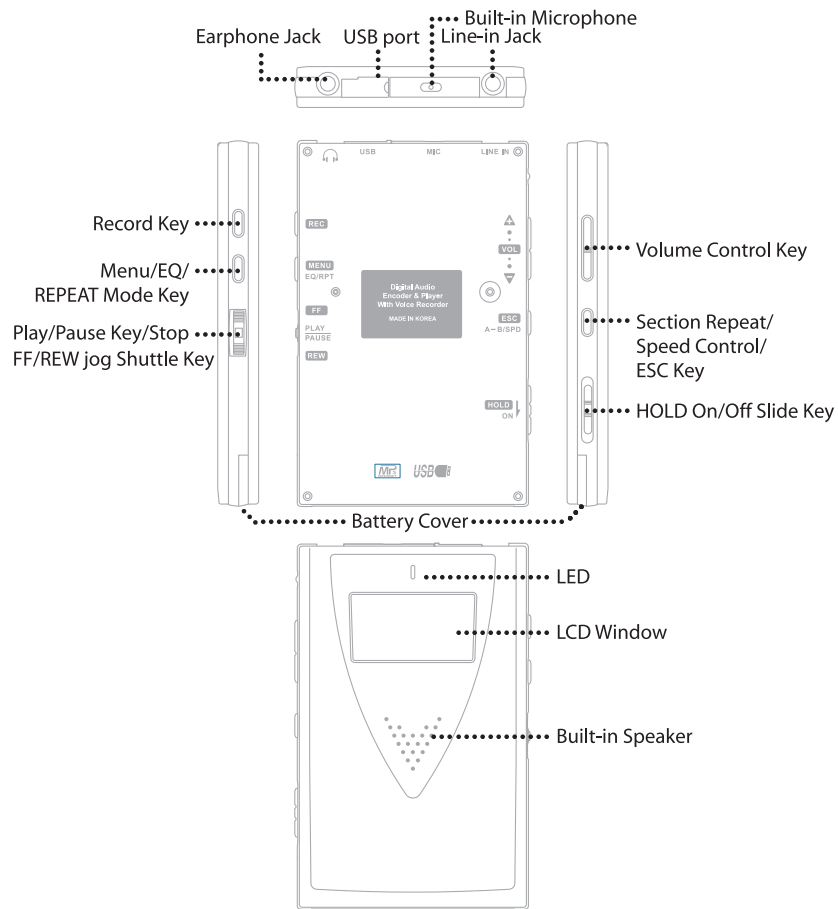
Please check for any missing components.
If any item is missing please contact your local distributor.

Getting Started with the Ripflash Pro Basic functions

- MP3/WMA audio file play.
- Digital voice recording (MP3 file format).
- Digital recording (analog audio) accepts a general audio output signal through the line-in cable directly and automatically encodes it to an MP3 file.
- Built-in flash memory (composite of 64/128/192/256MB depending on product).
- File storage capability.
- Character LCD equipped backlight (one line, English): ID3 tags support.
- Play/Pause/Next track play/Previous track play/Fast Forward/Fast Rewind/Record functions.
- Volume up/down function with a 20 level digital volume.
- Sound effects: five different equalizer modes, NORMAL, POP, JAZZ, ROCK, CLASSIC.
- Repeat function: single track play, single track repeat, all tracks play, all tracks repeat, RANDOM, INTRO (6 different modes)
- CD SYNC function: three different modes, NORMAL, SYNC, 1 SYNC.
With line-in recording in the CD SYNC mode, you can record all files (or record one file with the 1 SYNC function).
- VAD (voice activity detection) ON/OFF function (utilize the memory and recording time to its maximum, when "on" - mute sections are not recorded).
- PC interface with USB port. (USB 1.1)
- Playing time: 12+ hours.
- Voice recording time: 8+ hours (standards 128MB memory, 32kbps encoding).
- Line-in recording time: 2+ hours (standards 128MB memory, 128kbps encoding).
- HOLD ON/OFF capability.
- Product function upgrades available via firmware download.
- Optional: Remote control function

Getting Started with the Ripflash Pro

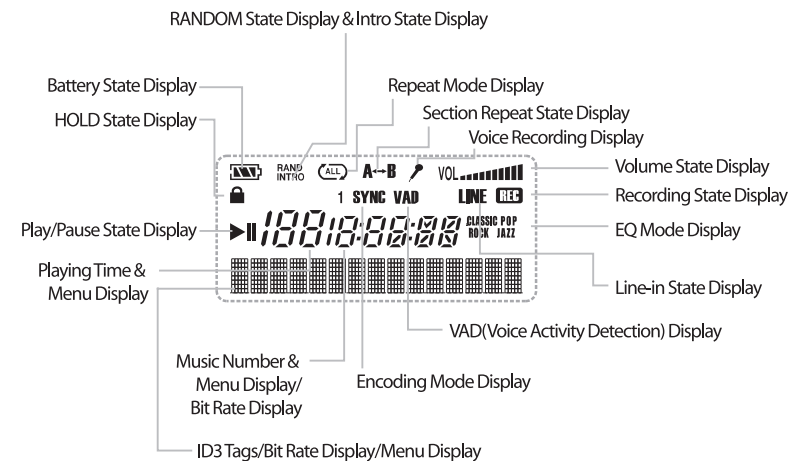
Identification of Components/Parts



NOTE The PLAY button must be depressed at least 2 seconds to turn the unit on. To turn the unit off, depress the PLAY button at least 2 seconds in a operating state.

LCD Display Information

Getting Started with the Ripflash Pro



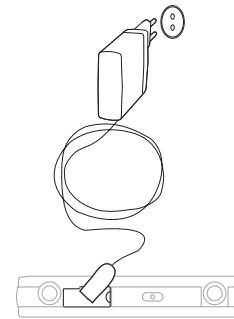
- | | |
|--|---|
| Battery State Display | Line-in State Display |
| RANDOM State Display & Intro State Display | VAD(Voice Activity Detection) Display |
| Repeat Mode Display | 1 SYNC Encoding Mode Display |
| Section Repeat State Display | Music Number & Menu Display/ Bit Rate Display |
| Voice Recording Display | ID3 Tags/Bit Rate Display/Menu Display |
| Volume State Display | Playing Time & Menu Display |
| Recording State Display | Play/Pause State Display |
| EQ Mode Display | HOLD State Display |

Getting Started with the Ripflash Pro **First time Use**

- 1 Insert the supplied install CD into your CD driver and set up the MP3 MANAGER PROGRAM designed exclusively for the RipFlash Pro (NMP-310A). Refer to page 21 for detailed information on setting up the software package.
- 2 Turn on the RipFlash Pro and connect your PC to the RipFlash Pro (NMP-310) using the supplied USB cable.
NOTE When the USB driver is correctly connected the "USB CONNECTED" message will appear on the LCD display.
- 3 Run the MP3 MANAGER program on your PC.
- 4 Download an MP3 or WMA file to the RipFlash Pro (NMP-310).
- 5 Disconnect the USB cable from the RipFlash Pro (NMP-310).
- 6 Plug the supplied earbud-style headphones into the RipFlash Pro (NMP-310).
NOTE If the headphones are not connected, sounds will be heard through built-in speaker.
- 7 Press the PLAY [▶] Key.
- 8 Listen to the playback sound.

Charging the Battery *Getting Started with the Ripflash Pro*

Since the battery is not fully charged when you purchase, you need to charge it over an hour. When charging, charging hour may vary according to the using conditions.



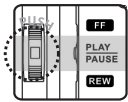
- NOTE**
- The NMP-310 runs 12 hours in case that the battery is fully charged. While you are out for a long time, carry the travel charger, if necessary. (The charger is portable.)
 - You can use the battery for about two years from the date of your purchase. If charging hour becomes too long or the using time becomes short after charging it, replace it with a new battery. To purchase the battery, please contact the place of your purchase.

- RED : Still charging
-When this product is not operating : approx. 2 hours
-When this product is operating : approx. 4 hours
- GREEN : Fully charged
(Brown/No color: Unplug the charger and try again)



If you use the charger we don't supply, it may shorten the battery life or cause malfunction.

● Power ON/OFF

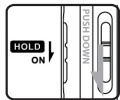


To power ON, depress the PLAY [▶] key for 2-3 seconds. When the unit is turned on, the first track automatically begins play.

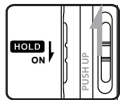
To power OFF, depress the PLAY [▶] key for 2-3 seconds. When "Good Bye" is displayed on the LCD display the RipFlash Pro (NMP-310A) is turned off.



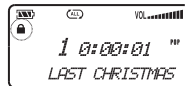
● Hold ON/OFF



To enable the HOLD ON function, slide the HOLD switch downward. HOLD will be displayed on the LCD display. In the HOLD mode no keys will be operable.



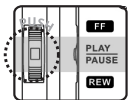
To disable the HOLD function, slide the HOLD switch upward. HOLD will disappear from the LCD display.



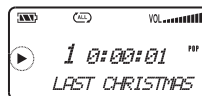
● Mode Changes

The RipFlash Pro (NMP-310) is equipped with three different modes: MUSIC PLAY mode (listening to an MP3/WMA audio file), VOICE RECORD mode with MP3 voice recording, and EXTERNAL INPUT (line-in) RECORD mode, which encodes input directly from an external analogue audio signal.

MUSIC PLAY mode

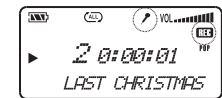
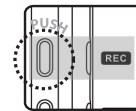


Press the PLAY [▶] key to playback music.



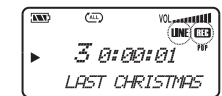
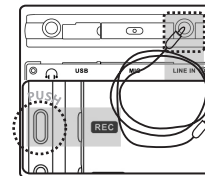
VOICE RECORD mode

Press the [REC] button to activate the VOICE RECORD mode. "REC" and a microphone [🎤] are displayed on the LCD screen during VOICE RECORD mode. Refer to VOICE RECORD mode (15page).



EXTERNAL INPUT RECORD mode

To activate the EXTERNAL INPUT RECORD mode, plug the supplied line-in cable into the external host (see drawing). Press [REC]. "LINE" and "RECORD" will appear on the LCD screen. Refer to EXTERNAL INPUT RECORD MODE (17page).

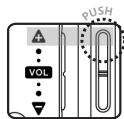


NOTE

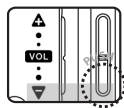
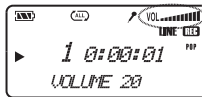
The RipFlash Pro (NMP-310) is equipped with a power saving feature that will automatically power off the player if not in use for one or more minutes.

● Volume Control

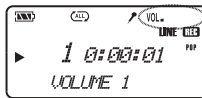
Volume level ranges from 0~20.



To increase the volume, press the volume (+) key. Pressing the volume (+) key for 2 or more seconds increases the volume faster.

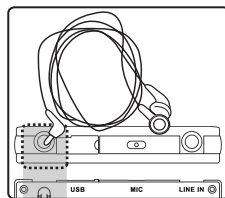


To decrease the volume, press the volume (-) key. Pressing the volume (-) key for 2 or more seconds decreases the volume faster.

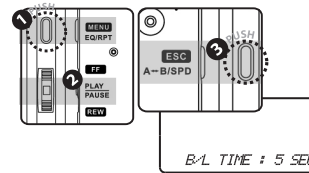


● Earphone Use

You can listen to a music file in play mode, voice message in voice recording mode, or an MP3-encoded sound file in external input recording mode through either earbud-style headphones or the built-in speaker. To listen to playback through the external speaker, disconnect the headphones from the headphone jack.



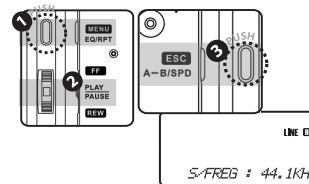
● Changing the LCD Backlight Duration



Press the [MENU] button repeatedly until you see [B/L TIME: 5 SEC]. Pushing the JOG key toward either the FF [▶▶] or REW [◀◀] positions will advance or retract the backlight duration. The available choices are [B/L TIME: 5 SEC-> 10 SEC-> 20 SEC-> B/L OFF]. Select the BACKLIGHT duration you prefer, then press [ESC] to set.

NOTE For example, if [B/L TIME to: 5 SEC] is selected, the backlight is automatically illuminated for five seconds when any operation key is pressed. If [B/L OFF] is selected, the backlight does not illuminate, which can extend battery life.



● Setting Up Sampling Frequency in RECORDING EXTERNAL INPUT mode

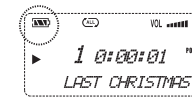



Press the [MENU] button repeatedly until [S/Freq: 44.1KHz] is displayed on the LCD. Pushing the JOG key toward either the FF [▶▶] or REW [◀◀] positions will display [S/Freq: 44.1KHz->48KH->32KHz] in rotation. Select the desired sampling frequency, then press [ESC] to set. Note: Default is 44.1KHz.

NOTE Default is 44.1KHz.

● Battery "Low Voltage" Warning

As voltage drops during use, the number of bars in the battery icon  will decrease. If the battery is completely drained, the unit will no longer function and the battery icon  will display.



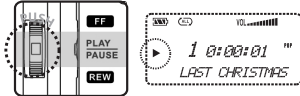
When the battery indicator displays , the unit can be used for approximately one hour before it shuts down. When the battery icon starts to flicker, recharge the battery using the supplied travel charger to avoid automatic shut-down of the RipFlash Pro (NMP-310).



Play mode

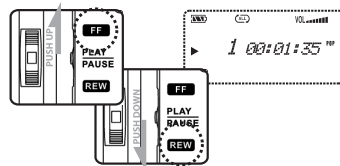
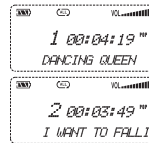
● Playback

To play an MP3 or WMA audio file in memory, press the PLAY [▶] key.



Selecting a Track

Move to the desired track by pushing the jog key toward the FF [▶▶] or REW [◀◀]. You can reach the track sooner by pushing and holding either FF [▶▶] or REW [◀◀].



Rapidly pushing (then releasing) FF [▶▶] will start play of the next track. Rapidly pushing (then releasing) REW [◀◀] will replay the current track.

Searching Within a Track

Push and hold the jog key to the FF [▶▶] or REW [◀◀] during play and the RipFlash Pro (NMP-310) will trace to the next or previous part in the current track.

Stop/Pause Play

Press the [PLAY/PAUSE] key. If you press PLAY [▶], the NMP-310 will show pause [||] on the LCD display. To continue playing, press PLAY [▶] again.

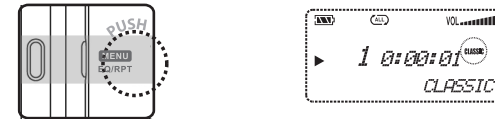


NOTE If the RipFlash Pro (NMP-310) is stopped or paused over 1 minute it will turn off automatically. This is a power saving feature.

Play mode

● Adjusting the Equalizer

Quickly press the [EQ/RPT] key while playing. The equalizer mode will appear [Normal (No icon)-> Jazz-> Rock-> Pop-> Classic] in rotation.



● Repeat Play Mode

Depress the [EQ/RPT] key for 2+ seconds while playing. The REPEAT PLAY mode icon will flicker. When you press the key the NMP-310A will show each available REPEAT PLAY mode [One-> RPT ONE-> All-> RPT ALL-> RAND-> INTRO]. Press the [ESC] key for 2+ seconds to select the desired mode.



NOTE

For example, if 7 tracks have been stored in the memory, and the second track is being played.

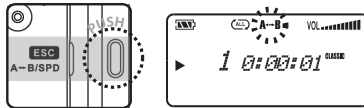
- Stop after playing the second track one time
- Play only the second track repeatedly.
- Stop after playing all tracks (7)
- Play all tracks (7) repeatedly
- Play all tracks (7) randomly.
- Play the beginning of all tracks (7 tracks) for 10 seconds and stop.

Play mode

● Section Repeat [A↔B] Play

Quickly press [A ↔ B/SPD] at the beginning of the track during play. The [A →] icon will flicker. Then press [A↔ B/SPD] once more at the end of the track. The selected section will be played repeatedly.

To cancel SECTION REPEAT mode, press [A↔B/SPD] again. The [A→B] flickering icon will disappear on the LCD display.

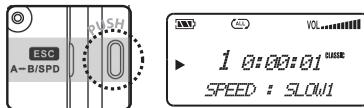


● Play Speed Control

Press [A↔B/SPD] for 2+ seconds during play. [Speed: Slow1] will appear. As the key is pressed the play speed level will display [Normal→Slow 1→Slow 2] in rotation. To set the play speed control, wait for 2+ seconds (without pressing a key) when the desired play speed is displayed.

NOTE

Because the play speed can be controlled, the RipFlash Pro (NMP-310) is an effective tool for learning and listening to foreign languages.



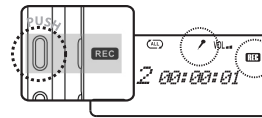
NOTE

- Normal** -----Normal play speed
- Slow 1** -----Play speed is 33% slower than normal
- Slow 2** -----Play speed is 50% slower than normal

Recording mode

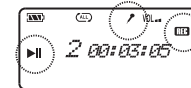
● Voice Recording

To start voice recording press the [rec] key. When voice recording begins the RipFlash Pro (NMP-310) an MIC icon and "REC" will appear on the LCD display. The file number and procedure hour (on recording) will also appear.

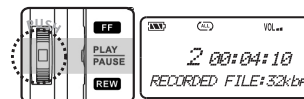


NOTE You can see how much recording time remains by pressing the [MENU] on voice recording.

To pause voice recording press [rec]. This will appear as a recording Pause[▶||] on the LCD display. To record continually, press [REC] button again.

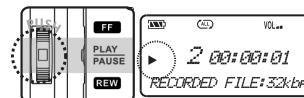


To finish voice recording Press [PLAY/PAUSE] key.



● Voice recorded track play

Press PLAY [▶] after selecting a recorded track.



NOTE

Playing a voice-recorded track is the same as playing music (refer to "play mode").

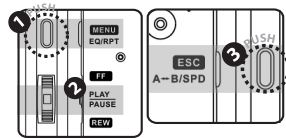
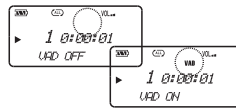
Recording mode

● VAD (Voice Activity Detection) Recording

The VAD voice recording setting only records the perception of sound. The unit will pause in this mode if no sound is detected. This function is used for saving memory when recording a voice.

VAD OFF : A general recording mode which records all sections with or without sound.

VAD ON : A memory saving mode that will record only a section(s) with sound.



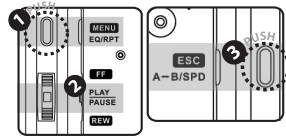
To Activate VAD (Voice Activity Detection)

Depress the [MENU] key repeatedly until "VAD" appears on the LCD display.

When the jog key is pushed toward FF [▶▶] the display will show [VAD ON]. When the jog key is pushed toward REW [◀◀] the display will show [VAD OFF]. When VAD ON (see figure) appears, it can be engaged by pressing [ESC].

● Recording Quality (Bit Rate)

Depending on the type of use (i.e. long time, high tone, quality usage etc.), the RipFlash Pro (NMP-310) can modulate the bit rate of a voice recording file. If the bit rate is set at low, longer recording times are possible but the tone quality will be lower. If the bit rate is set at high, the tone quality will improve but the available recording time will be shortened.



To modulate the bit rate

depress the [MENU] key repeatedly until "Bit Rate: 32KBps" appears on the LCD display.

When the jog key is advanced toward FF [▶▶] or retracted toward REW [◀◀], the Bit Rate [8->16->32->40->48->56->64->80->96->112(Kbps)] appears in rotation. Press the [ESC] key to set the desired bit rate.

NOTE

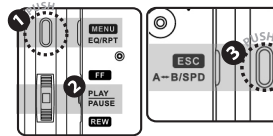
Recording time per bit rate [128MB memory store reference]. * Default is 32kbps.

Minutes	2160	1080	720	540	432	360	312	270	216	180	156
Bit Rate(kbps)	8	16	24	32	40	48	56	64	80	96	112

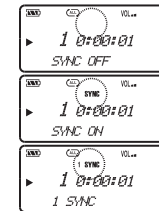
Recording mode

● External Input Recording Modes

Three modes are available in external input recording: NORMAL(SYNC OFF), 1 SYNC, SYNC.



To select the SYNC mode, depress the [MENU] key repeatedly until SYNC appears on the LCD display. When the jog key is pushed toward FF [▶▶] or REW [◀◀] the following choices will appear in rotation: [SYNC OFF->SYNC ON->SYNC]. Select the desired mode by pressing [ESC].

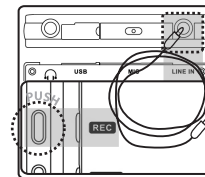


SYNC OFF: All tracks will be recorded as one file until the stop [■] key is pressed.

SYNC ON: All tracks will be recorded as separate files (tracks) until the host file (CD etc.) is completed.

1 SYNC: Only the first track selected is recorded.

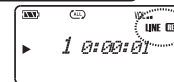
● External Audio Input Recording



To Start External Input Recording

Connect the supplied audio (line-in) cable as shown in the figure and press [REC].

The RipFlash Pro (NMP-310) will begin recording from the external audio source. During this process "LINE" and the "REC" icon will appear on the LCD display.

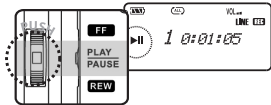


NOTE

Pressing [MENU] during the line-in recording process will indicate the remaining recording time.

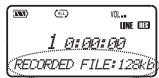
Recording mode

To Pause External Input Recording



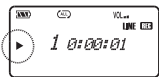
Press [rec]. A pause[||] symbol will appear on the LCD display. Press [rec] or PLAY [▶] to resume recording.

To finish external input recording



press the [PLAY/PAUSE] key. Recorded files are stored to the memory.

To listen to an external input recording file



after selecting a recorded file, press PLAY [▶].

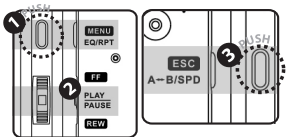
NOTE

Playing an external input recorded file is the same as playing a music file (refer to "play mode").

● Silence Detection Levels

The "Silence Detection Level" function automatically regulates the optimal recording level according to the sound source and the existing noise level.

To set up the "Silence Detection Level" function



Depress the [MENU] key repeatedly until [SILENCE (L)] appears on the LCD display. When pushed toward FF [▶▶] or REW [◀◀] the following selections are shown in rotation: [SILENCE(L) HIGH→SILENCE(L) MID→SILENCE(L) LOW]. After selecting the desired level, press the [ESC] key to set.

The three levels of silence detection are:

- SILENCE (L) HIGH**—— Choose this mode when the sound source/noise level is low
- SILENCE (L) MID**——Choose this mode when recording a general external input (default)
- SILENCE (L) LOW**——Choose this mode when the source level is high and/or noisy



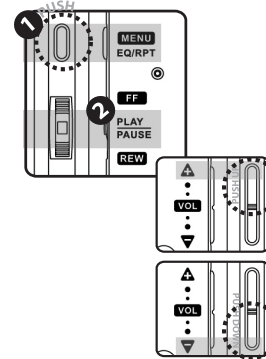
If a sound source level is too low, the unit may not record.

Memory Management

● Erasing Files

To Erase One File Stored In The Memory

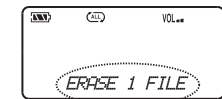
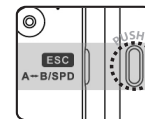
Depress the [MENU] key repeatedly until [ERASE 1 FILE] appears on the LCD display. Push the jog key to FF [▶▶] or REW [◀◀] and [ERASE 1 FILE]→[INT ALL ERASE] will appear in rotation.



To erase files one after another, select [ERASE 1 FILE] menu and then choose the number of files you wish to erase by pressing the [VOLUME UP/DN] key.

When PLAY [▶] is pressed, the message "ERASE Y/N" will appear on the LCD display. Press PLAY [▶] again to erase the file. You can also erase other files using the [Volume Up/Down] key following this same procedure.

To cancel the erasing mode, press the [ESC] key.



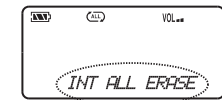
To Erase All Files Stored In Memory

Select [ERASE ALL] on the menu by pressing [MENU] repeatedly.

When PLAY [▶] is pressed, the message "(INT) ERASE Y/N" will appear on the LCD display. Press PLAY [▶] again to erase all files.

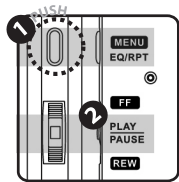
NOTE

Erased files cannot be restored!



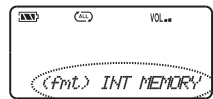
Memory Management

● Formatting Memory



To format the built-in memory

select the [Format] menu by depressing the [MENU] key repeatedly. When PLAY [▶] is pressed, the internal memory is formatted.



After memory format, the default setting is as follows;

-Volume level: 14	-Line in MP3 encoding bit rate: 128kbps
-EQ: Normal (no icon)	-Silence Level: Middle
-RPT: all files-one played	-SYNC: OFF
-VAD: OFF (Standard record condition)-Backlight Time: 5seconds	
-MP3 voice recording bit rate: 32kbps	-Sampling Frequency

NOTE

Once the memory is formatted all files will be lost and cannot be restored!

● Stored Memory Designation

To view built-in memory use information

select the [USED MEMORY,TOTAL MEMORY....] menu by pressing the [MENU] key repeatedly. The available memory in the RipFlash Pro (NMP-310) will appear on the LCD display.

[Example] A display of [MEMORY: 8.0MB/128.0MB, 6 SONGS] would indicate that the total capacity of the internal memory is 128M, 8M is used, and Six files exist in the memory.

PC Software and Cabling Connections

NOTE In order to use the software, your computer must meet the following minimum requirements: A Pentium MMX computer (or better) with /CD-ROM driver/more than 50MB hard disk spare space/USB port/Window98/ME/2000

● Installing the PC Software

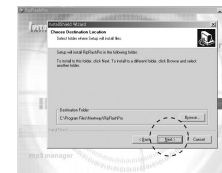
Insert the supplied CD in the CD-ROM drive in your PC. The program should autorun.

Connect the software as shown in the following illustrations:

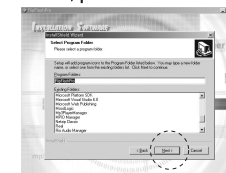
1. Select the desired software.
2. Start to connect automatically.



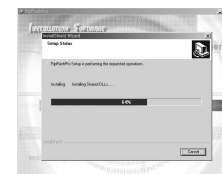
3. Press 'Next.'



4. To continue, press 'Next.'



5. Connect the S/W to the PC.



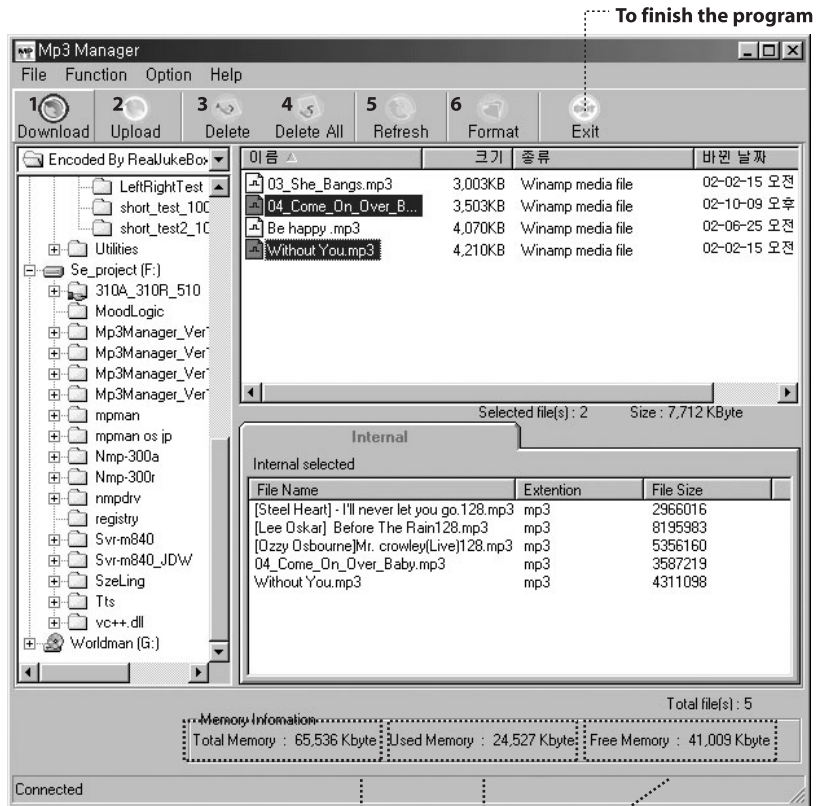
6. Press finish.



MP3 Manager : This software is necessary for uploading and downloading (MP3/WMA) files from the unit to your PC.

Real Juke Box : PC player adaptation software that encodes/plays music in MP3 file format.

● Using the MP3 Manager



To finish the program

Memory Information
Total Memory : 65,536 Kbyte
Used Memory : 24,527 Kbyte
Free Memory : 41,009 Kbyte

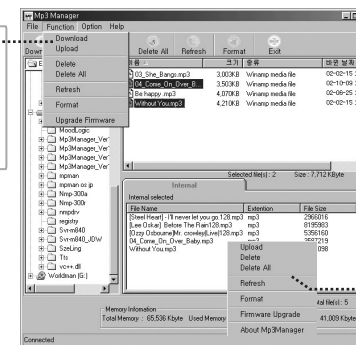
To show the available capacity of the selected memory

To show the used capacity of the selected memory

To show the total capacity of the selected memory

- 1 **Download**
Select the MP3 files or WMA files you wish to download from your PC to your player, and then press the icon.
NOTE It is possible to store the maximum 199 files in the memory.
- 2 **Upload**
Select the voice recording file or external recording file you wish to upload from the player to your PC and then press the icon. A file that was download can not be uploaded to a PC.
NOTE Do not unplug the USB cable during downloading or uploading. If the USB cable is unplugged files cannot be downloaded or uploaded. Always make sure the USB cable is properly connected.
- 3 **Erase**
Select the track you wish to erase and press the icon.
- 4 **Erase all**
To erase all tracks press the icon.
- 5 **Refresh**
To refresh a file stored in internal memory, press the icon.
- 6 **Formatting Memory**
The memory must be formatted before downloading MP3 or WMA files.

The functions such as download/upload operate using function popup menu as well.



Popup menu appears if you press the right button of a mouse inside the selected memory window.

If you click the menu you want, each function operates in the same way.

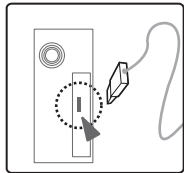
PC Software and Cabling Connections

● Connecting the USB Cable

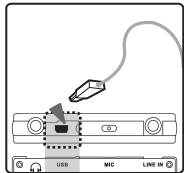
To download/upload files from a PC, connect the RipFlash Pro (NMP-310) to the PC using the USB cable.

NOTE

Because this product uses your PC's USB electric source you can upload/download file(s) without batteries while successfully connected to a PC.



Connect the USB cable to the PC (see figure).



Connect the opposite jack to the player (see figure).

NOTE If you use the USB hub it may rise from a trouble. Remove of it and connect the USB cable with PC directly.

● Installing the USB Drive

Your PC will automatically recognize the connection with a USB controller from the USB cable. If the USB driver install screen doesn't operate automatically, insert the supplied CD into the CD-ROM to install the driver. Install the software according to the directions and diagrams shown below.

PC Software and Cabling Connections

● Installing the USB drive (To be continued)

1. Select the directory, "...\program files\pogoproducts\ripflashpro\drivers".
2. Select and run the USB drive file, "regDrv.exe" in such directory.
3. The USB drive will be set up automatically.

When you connect the USB cable to the PC and player, (make sure the unit is on) if the USB drive sets up normally. It shows "USB CONNECTED" in the player.



● Safety Precautions

Please pay special attention to the precautions/instructions listed below to prevent physical and/or costly damage to the Rip Flash Pro (NMP-310A).

1. Do not use or place the product:
 - In high temperatures (above 60 °C)
 - Inside a car with closed windows (during the summer)
 - In areas with high humidity (such as bathrooms)
 - In direct sunlight or near heaters
 - In dusty places
2. Do not drop the product. The electronic components are delicate and may be rendered useless if mishandled.
3. Do not repair, open or remodel the product. Doing such voids the warranty.
4. Do not operate the product when driving a car or walking.
5. Do not operate the product in places where electronic components' operations are prohibited (i.e. during air travel).
6. Magnetic cards, such as a credit cards or a public transit tickets, may be permanently disabled if placed on or near the speaker.
7. Any excessive force on or against the LCD display can result in significant damage to the screen and the LCD functions.
8. If the player smokes or overheats etc. take out the batteries immediately.

NOTE

We will not be held responsible for any damage due to customer neglect and/or abuse.

● Troubleshooting

If you experience difficulty operating the RipFlash Pro (NMP-310A), refer to the problem-solving directions below before calling customer service.

1. **No display on the LCD/The player does not functioning**
 - Check the battery and recharge if necessary
 - Replace the battery
 - Make sure the battery is properly inserted to match the (+)(-) polarities
 - Make sure the battery cover is properly shut. Remove the battery and wait awhile before replacing
2. **There is no sound when the play key is pressed**
 - Make sure files are stored in memory
 - Check the volume level
 - Make sure the earphones are plugged in correctly
3. **The player controls aren't working**
 - Make sure the [HOLD] key isn't switched down
4. **Why can't I download files?**
 - Check the connection of USB cable
 - Set up USB driver file again
5. **The SMC can't be inserted or recognized**
 - Make sure the SMC is fully inserted in the SMC slot
 - Use only after formatting the SMC card

● **Product Specification**

Model	NMP-310
Built-in Flash Memory	128M/192M/256M
LCD	Supported ID3 tags/Equipped EL Back Light
Download/Upload speed	up to 4 Mbps
MP3 decoding	8kbps ~ 320kbps
WMA decoding	32kbps ~ 192kbps
MP3 encoding	8kbps ~ 256kbps
Earphone output	left/right 8mW/8mW
Built-in Speaker Output	160mW mono
Signal VS Noisy	over 60 dB(without filter)
Playing Time	12 hours or more (Earphone output)
Voice Recording Time	8 hours or more (128M memory 32kbps encoding storage standard)
Line in recording hour	2 hours or more (128M memory 128kbps encoding storage standard)
PC interface	USB
Power	4.2V/620mA Li-ion Rechargeable Battery
Dimension	59X88X17mm
Weight	59g with rechargeable battery

● **Warranty Certification**

This product has been carefully tested and has passed our strict inspection codes and quality control standards.

If this product fails to operate properly within the specified warranty period the unit will be repaired free of charge.

Repair of the product due to abnormal use, misuse and/or neglect will be charged back to the customer accordingly, even if said damage has occurred during the specified warranty period.

Conditions not covered under this warranty are:

- Damage due to misuse and/or improper operations.
- Damage due to unauthorized repairs or reconstruction.
- Damage due to accident, fire, flood and or other acts of God.

If this product fails to operate properly, please contact the after-sale service center or store where it was purchased.

Please fill out this form and keep it for your records.
This warranty is valid for domestic use only.

moodlogic
The right music at the right time.

● **What is MoodLogic?**

MoodLogic is music mix management software. It is designed to enhance your experience with the RipFlash Pro (NMP-310A). The MoodLogic Light Version is included with your MP3 Manager CD.

We recommend that you install MoodLogic to manage your songs and create mixes. You can then transfer your music to your RipFlash Pro (NMP-310A) and enjoy your personalized music on the go!

● **What is unique about MoodLogic?**

The MoodLogic software connects to a data service that can identify your digital music files and automatically categorize and correctly label your songs.

MoodLogic allows you to easily filter your songs based on the genre, artist, tempo, release year, and mood. You can also choose your favorite song and MoodLogic will instantly create a mix with similar songs! Select a song and click the mix button to see the MoodLogic Instant MusicMix feature in action.

Rediscover your MP3 collection with MoodLogic! It is fun to create new mixes and refresh the content of your RipFlash every day!

● How to install MoodLogic from the CD

To install MoodLogic:

- 1) Place the MP3 Manager CD in the CD-ROM drive of your computer. The MP3 Download Program window is displayed.
- 2) Click the MoodLogic button. The MoodLogic installer launches.
- 3) Follow the instructions in the MoodLogic installer to add your songs to the software. The MoodLogic Light Version connects to the data service and automatically categorizes 25 of your MP3 files for easy use. This process is called "Activation" of your music.



You must be connected to the Internet to install MoodLogic, and add and activate songs, because the MoodLogic software retrieves data from an Internet-based service.

moodlogic
The right music at the right time.

● How to create mixes and transfer songs to your RipFlash Pro (NMP-310A) using MoodLogic Light

The MoodLogic Light Version is included with your RipFlash Pro (NMP-310A). You can use it to manually create mixes and transfer songs to your device. Using the Light Version, your main view will be the Search View in MoodLogic, as it lists all the songs you added to the software.

● Manually creating playlists:

To manually create a playlist, click the New Playlist button and name the playlist. Then, go to the Search View and find your favorite tracks. Drag the songs you like and drop them onto your newly created playlist.



● Transferring songs and mixes to your RipFlash:

You have two options to transfer your music to your RipFlash:

- 1) Direct transfer from within MoodLogic: Click the MP3 Player view in MoodLogic and follow the instructions on the screen to download the MoodLogic PoGo! RipFlash plug-in.
- 2) Using the RipFlash MP3 Manager software: Start the MP3 Manager software and drag and drop your songs and mixes from MoodLogic to the MP3 Manager. Use the MP3 Manager to transfer the songs to the RipFlash.

Using MoodLogic Light with your RipFlash is easy! Manually create your mixes and transfer them to your device. Read on to learn more about how to supercharge your RipFlash using the full version of MoodLogic.

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The right music at the right time.

● What are the features available in the full version of MoodLogic?

The MoodLogic Light Version activates 25 of your songs for more advanced browsing by genre, artist, tempo, release year, and mood. The full version allows you to activate up to 10,000 songs! Go to the My Active Music View to get a taste of the full version, see your songs cleaned up and organized, and experiment with the genre, artist, tempo, release year, and mood filters.

The following pages explain the features of the full version and how to fully use MoodLogic with your RipFlash. You can upgrade to the full version by clicking "Buy" in the Activation Center.



Product Enhancements

Creating an Instant MusicMix:

The easiest way to create a mix in MoodLogic is to use the Instant MusicMix feature. Simply go to My Active Music, select a song that you like, and click the Mix button on the bottom right corner in MoodLogic.



MoodLogic creates an Instant MusicMix by scanning your collection and showing songs that are similar to your selected song. The more music you have, the more songs you will "rediscover" using the MoodLogic Instant MusicMix!

Move the Genre Variety and Mood Variety to increase or decrease the number of songs in the Instant MusicMix. You can save the playlist for later use, change the sequence of the songs, and delete tracks from your Instant MusicMix.

Refresh your RipFlash in three easy steps:

1. Find your favorite track
2. Create an Instant MusicMix
3. Transfer to device.



Using My Active Music filters:

In My Active Music, you can use MoodLogic filters to locate songs of a particular genre or by a particular artist, as well as by tempo, release year, and mood. These filters help you find your "mellow jazz songs of the '70s" for your commute or your "fast, aggressive, rock songs" for your workout.

ersion of MoodLogic, you can connect to the MoodLogic data service and automatically organize and label these tracks and add them to your growing MP3 collection. First, copy the ripped songs onto your computer and add these files to MoodLogic.



Product Enhancements

Playlist splitting:

Using the full version of MoodLogic, you can split your playlists into various sizes to fit your RipFlash storage capacity. This option is available from your Instant MusicMix View, from all saved playlists, and the Search View.



Select the appropriate duration of your playlist in megabytes and use the right-click menu options to select a certain segment and transfer it to your RipFlash.



How to add and activate new songs

To add songs to MoodLogic, click Add Music in the Activation Center. Whenever you add songs to your computer, you should add them to MoodLogic.



To activate songs (identify the songs in your collection and allow them to be filtered in My Active Music), click Activate Music in the Activation Center.



● How to activate songs that are ripped using the RipFlash recording feature

You can use the RipFlash Pro (NMP-310A) to rip CDs directly from your CD player without the need of a computer (refer to the RipFlash manual for more information).

Note: These tracks will not have correct artist and song information.

Using the full version of MoodLogic, you can connect to the MoodLogic data service and automatically organize and label these tracks and add them to your growing MP3 collection. First, copy the ripped songs onto your computer and add these files to MoodLogic.



" If you installed the PoGo! RipFlash plug-in from MoodLogic, you can copy these songs to your computer from your MoodLogic MP3 player view. Select the songs you want to copy and use the copy from device right-click menu option.

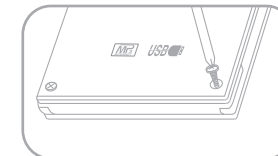
" If you did not install the PoGo! RipFlash plug-in, use your MP3 Manager software to upload your songs to your computer.

Then, use the MoodLogic Activation Center to add Music and activate your songs.

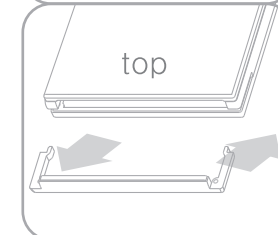
Using the combination of MoodLogic and your RipFlash Pro (NMP-310A) you can start growing a fully organized music collection. Simply rip songs into your RipFlash Pro (NMP-310A) and let MoodLogic automatically identify them and add them to your Active Music collection.

● How to change a rechargeable battery

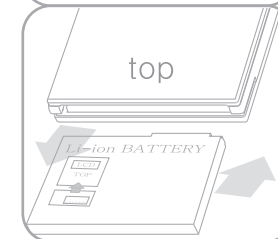
[1] Unscrew two small screws at the bottom of the rear side. (Use a driver for a watch screw)



[2] Pull out a battery cover at the bottom of a player.



[3] Shake a player to let a battery out and then turn it to a front face.



[6] Put in a new battery with the contact surface upward like the figure.

[4] Tighten two screws at the bottom of a player.

[5] Put in a battery cover.

NOTE To purchase the rechargeable battery, please contact with the place of your purchase.