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Wireless MP3 Player

NMP-612T/TD/TG

Quick Start Guide

Thank you for purchasing NMP-612T/TD/TG. Please read this guide carefully before using NMP-612T/TD/TG. For more details on the player usage, refer to the electronic manual included in the product package.

Copyright Notice

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D Cube and Nextway are trademarks of Nextway Inc.

FreeRip is a registered trademark of MG Shareware.

WMA is a registered trademark of Microsoft Corporation.

The copyright owner of MP3 Manager software for NMP-612T/TD/TG is Nextway Inc, and unauthorized reproduction or distribution of this program or commercial usage without a prior written consent, may result in severe civil and criminal penalties.

What is NMP-612T/TD/TG?

1. NMP-612T/TD/TG is integrated with a FM transmitter. Therefore, you can play back MP3 or WMA file from NMP-612T/TD/TG in the FM-tuner integrated audio, without connecting to the separated external device.
2. NMP-612T/TD/TG is a portable digital audio player for saving and playing WMA (Windows Media Audio) files of Microsoft Corporation and MP3 music files.
3. NMP-612T/TD/TG can save audio files directly transferred from voice recorder, CD player or other audio equipment without a Line In jack, and play them with built-in MP3 encoding function.
4. With its built-in FM radio system, NMP-612T/TD/TG can save a music received by FM as a MP3 file.

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 of more of the following measures:

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

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

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Features

- **Wireless MP3 function**

If you select the FM transmitter mode built in NMP-612T/TD/TG, you can play back MP3 with high sensitivity by wireless connection using the device equipped with a FM radio (car audio, home audio, home theatre, regular FM radio and so on.) If you select the wireless microphone function on the menu at the same time, you can send your own voice with MP3.

- **Song words display**

The words of the playback music will be displayed in three lines.

- **Up to 255 hour-long recording (512MB)**

NMP-612T/TD/TG supports 4.8Kbps (TVF format), which provides the longest recording hours in the world.

- **Playing back the MP3/WMA/TVF music files**

Saves and plays back the WMA file of Microsoft Corporation and the MP3 file.

- **Receiving and recording the FM radio**

Receives FM radio signal and records it digitally as an MP3 file.

- **Built-in backlight/Graphic LCD display for multilingual setting**

Supplies Korean and multilingual ID3 TAGS with its multilingual graphic LCD display. You can easily check the operation status with the LED backlight.

- **High-quality voice recording with a MP3 format**

Saves a digital voice recording file as a high quality MP3 file and plays it.

- **Line in digital recorder**

Directly converts and saves a sound signal from all analog audio equipments into a MP3 file without a PC.

- **Setting up the variable bit-rate**

You can use the memory effectively by controlling the recording quality with the variable bit-rates of voice recording or Line In recording, depending on the timing or the place.

- **VAD (Voice Activity Detection) recording**

Controls the recording time and memory most effectively with its special function which starts recording only when sounds.

- **Speed control**

You can control playback speed faster or slower.

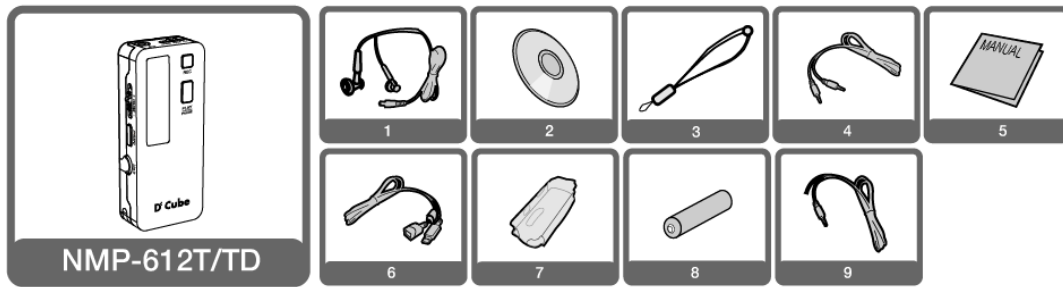
- **Firmware upgrade**

Firmware is automatically upgraded by Cube Audio Manager. Alternatively, you can download the upgrade file released on the Nextway web site (www.nextway.co.kr) and turn the power on and off to automatically upgrade the firmware.

- **Provides MP3/WAV/OGG file creation PC software**

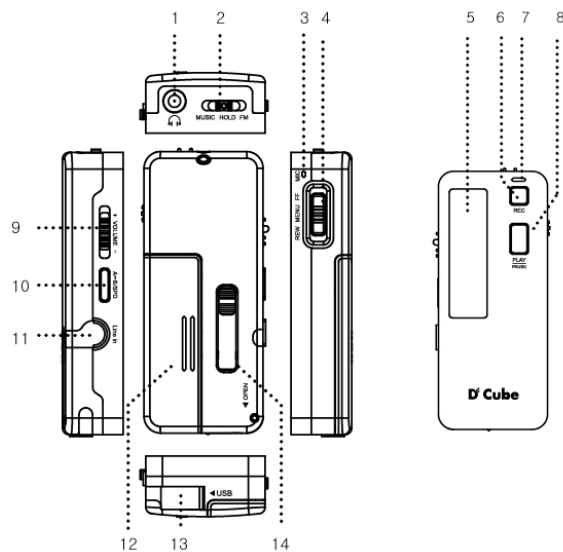
Nextway provides FreeRIP application program that converts music files in the CD into MP3/WAV/OGG file in the PC.

Package Components and Names of the Components



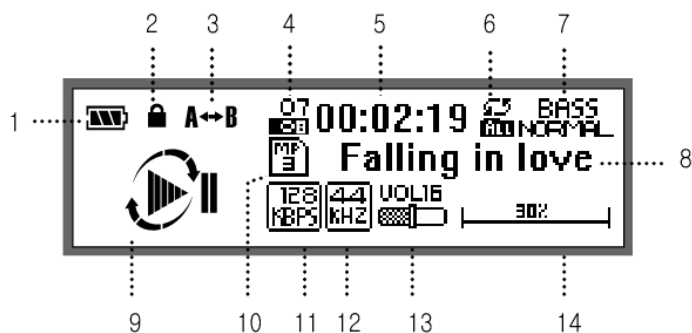
NMP-612T/TD

1. Stereo Earphone
2. Program CD
3. Neck Strap
4. Line In Cable
5. Manual
6. USB Extension Cable
7. Carrying Case
8. 1 AA Size Battery
9. Antenna

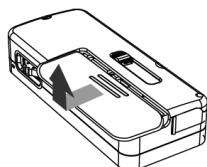


1. Earphone Jack/FM Transmitter Antenna Jack
2. Music/Hold/FM Mode Selection Switch
3. Microphone
4. Forward/Rewind/Menu Button
5. LCD
6. Record Button
7. Recording LED/Transmitter On LED
8. Play/Pause Button, Power On/Off
9. Volume Control Button
10. Sector Repetition/Speed Control/Shortcut to FM Transmitter
11. Line In Jack
12. Battery Cap
13. USB Cap
14. USB Slide Button

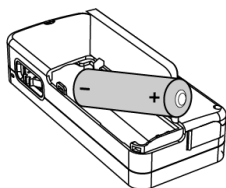
LCD Display and Replacing Battery



1. Battery Level
2. Lock
3. Repetitive Playback
4. Music Number
5. Playback Time
6. Repetition Mode
7. Sound Effect
8. Music Title/Words/Menu
9. Playback Status
10. File Type
11. Bit Rate
12. Sampling Frequency
13. Volume
14. Playback Progress



Insert the battery with correct polarity (+/-).
Check the "+/-" label inside the battery cab.



Slide down the battery
cab and lift up as shown in the figure.



Full Battery



Decrement Battery



Low Battery



Flat Battery

If the flat battery  appears, replace with a new one.

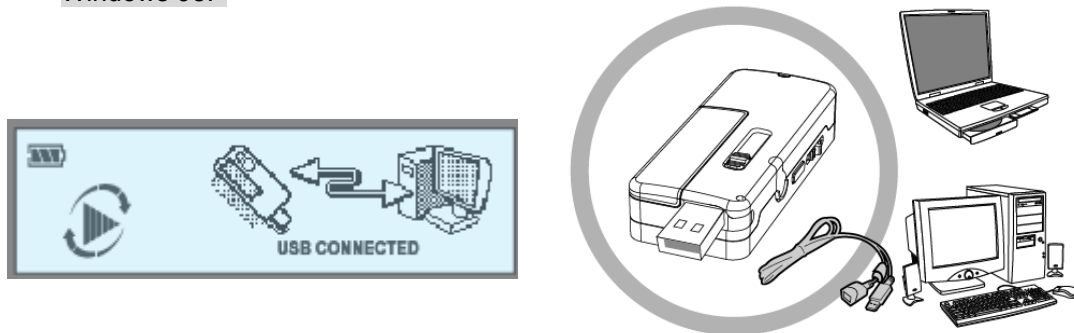
Connecting to Your PC

Connecting to Your PC

Connect the player to the PC with an USB cable or the computer USB port, in order to upload/download the file to/from the PC.

When connected to the USB, you can upload or download the file even though no battery is inserted into the player or the battery is completely flat, since the player uses the power provided by the PC USB.

- Windows ME/2000/XP or Mac OS 9.x automatically detects the players as a movable disk. However, you should install Cube Audio Manager first to use this player on Windows 98.



As shown in the figure, connect to the PC USB port directly or using the USB extension cable. Then, connect the other side to the player.

The above message ("USB on line") will appear on NMP-612T/TD if connected successfully.

- The red LED will flash during data transmission through the USB and will turn off when completed. Do not disconnect the USB while the red LED flashes.
- Some PC vendors do not support direct USB connection. If not supported, use the USB extension cable.

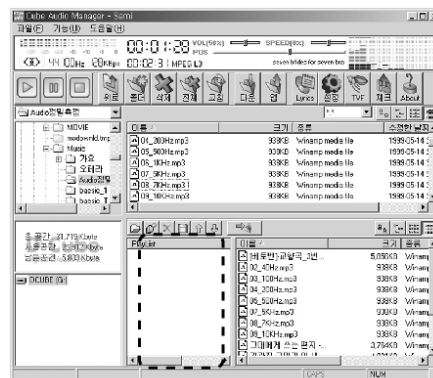
Using Cube Audio Manager

Insert the installation CD into the PC CD-ROM drive. The installation program will be automatically started and the initial installation screen will appear.











- Audio Manager: Software that uploads or downloads the files to/from the player and the PC.
- FreeRip: PC player application software that encodes the music in the CD into the digital music file and plays it back.
- NETSYNC: Software that enables to download the language contents from EBS.
- You cannot install Cube Audio Manager/FreeRip on the MAC OS.



Press the [Finish] button when program is successfully installed.
Double click on the Cube Audio Manager icon on the desktop background to execute it.

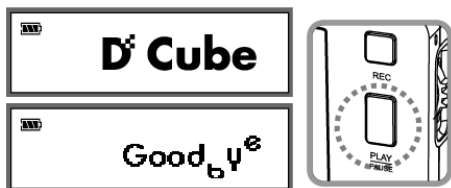


Play list editing window
Creates the play list inside the program.

-  Upload: Uploads the file(s).
-  Download: Downloads the file(s).
-  New Folder: Creates a new folder.
-  Delete: Deletes the file(s).
-  Delete All: Deletes all files.
-  Refresh: Refresh the list.
-  TVF2WAV: Converts the TVF file into Wave file.
-  Check: Checks whether new firmware is available or not. (Connected to www.nextway.co.kr web site)
-  Lycirs ED: Executes the song text editing program.
-  Configure: Configures the player.

- The PC to install software should comply with the following specifications.
- Pentium MMX or faster CPU/CD-ROM drive/more than 50Mb HDD space/USB port/Windows 98/ME/2000/XP.

Basic Operation



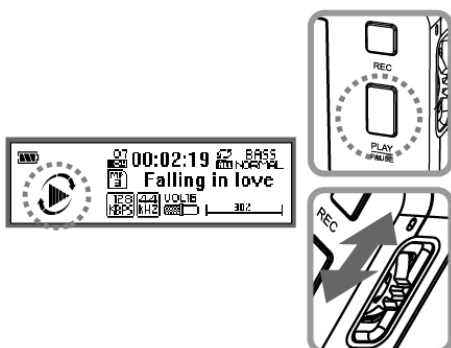
Power On

Press the PLAY [▶] button for 2 seconds. The “NMP-612T/TD” and its firmware version will be displayed on the LD.

Power Off

Press the PLAY [▶] button for 2 seconds or longer.

The “Good Bye” message will be displayed on the LCD and the power will be turned off.



Playing back

Set the mode selection switch to “Music”.

Press the PLAY [▶] button to play back MP3, WMA or TVF file.

Selecting music

Press the jog key towards FF (▶▶) or REW (◀◀) direction to select an intended music.

If you hold on FF (▶▶) or REW (◀◀) button, you can move to the intended music quickly.

If you hold on FF (▶▶) or REW (◀◀) button during playback, you can move faster to the previous or next part of the current music.

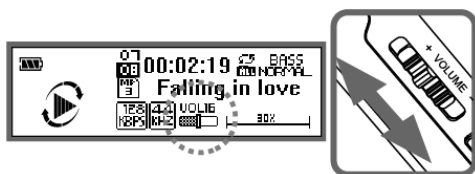
Stopping/Pausing playback

Press the PLAY [▶] button to stop or pause.

The (▶||) will flash and the player will pause.

To resume playback, press the PLAY [▶] button again.

If you press FF (▶▶) or REW (◀◀) button in the pause mode, the player will stop.



Volume control

You can control the volume by 20 steps (0 – 20).

To volume up, push to the (+) direction. Or, push to the (-) direction to volume down.

If you hold on pressing down, volume will decrease quickly.

Listening to FM radio (87.5 ~ 108.0Mhz)

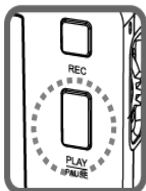
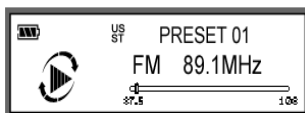
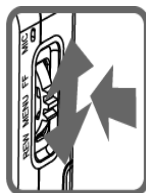
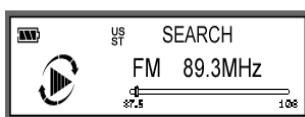
Set the mode selection switch to “FM” first.



Move to the intended broadcasting frequency using FF (▶▶) or REW (◀◀) button (search mode).

Hold on pressing FF (▶▶) or REW (◀◀) button to move faster.

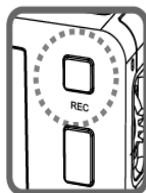
To automatically scan the entire frequencies, press the A<->B/SPD key for a long time.



To save the found frequency in the search mode, press the [Menu] key longer to select the target position (e.g., ROOM01 – 89.1M) and then, press the [Menu] key to save it.

Preset mode

Press the PLAY [▶] button once in the FM main window to switch to the preset mode. Press the jog key to FF (▶▶) or REW (◀◀) direction to select and listen to the saved frequency.

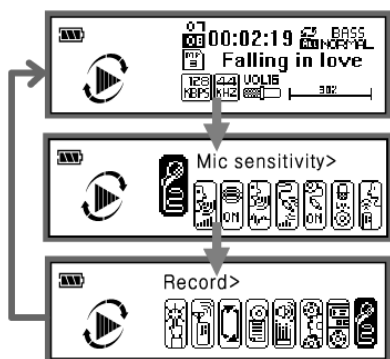


Recording the FM radio broadcasting

Press the [REC] button for a long time while listening to the FM broadcasting. Then, the ([REC]) will flash and the broadcasting will be saved. Press the [▶] button again to pause recording, or press the [REC] button to stop recording FM broadcasting.

Basic Operation

Menu navigation



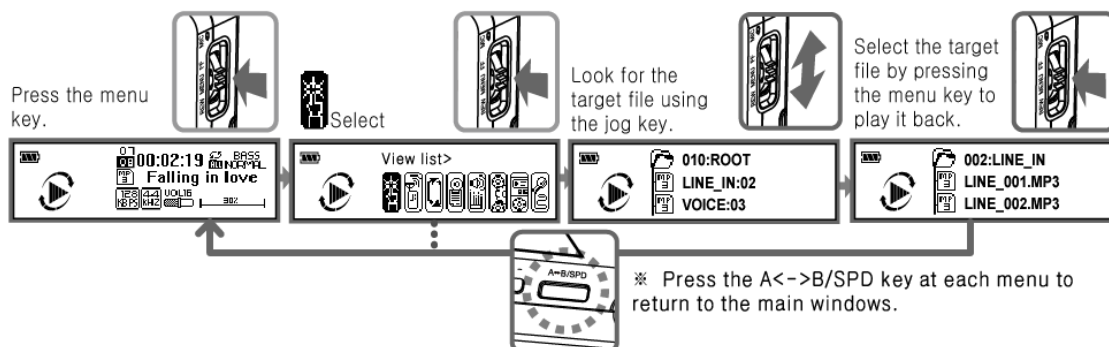
To start menu navigation,
Press the [Menu] key. Press the jog key
towards FF (▶▶) or REW (◀◀) direction to
select the intended menu.

Returning to the main menu or main window
during menu navigation.

Press the A<->B/SPD key at the sub-menu to
return to the main menu.

Press the A<->B/SPD key at the main menu
to return to the main window.

Press the A<->B/SPD key gain to return to the
main window.

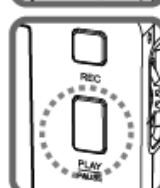
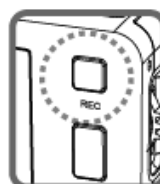
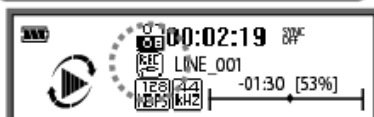
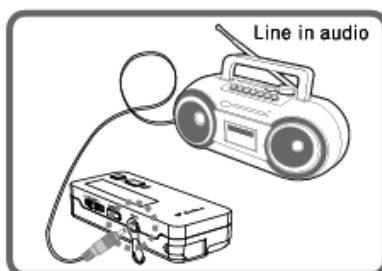
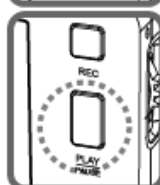
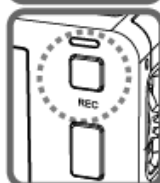
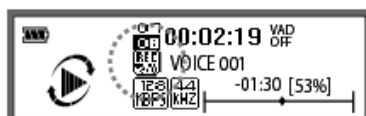


Difference of ">" and ">>" symbol during menu navigation



>: The sub-menu will be listed.

>>: You can move to the sub-menu by pressing
the PLAY [▶] button without entering into the
sub-menu.



Recording voice

Set the mode selection switch to the "MUSIC". Press the [REC] button longer than 2 seconds. Then, the red LED will flash and voice recording will be started.

Pausing voice recording

Press the [REC] button during voice recording. Then, the red LED will flash and the (REC) symbol will appear. Press the [REC] button again to resume voice recording.

Stopping voice recording

Press the [Play] key. The voice recording file number and information will be displayed and the recording file will be saved in the memory.

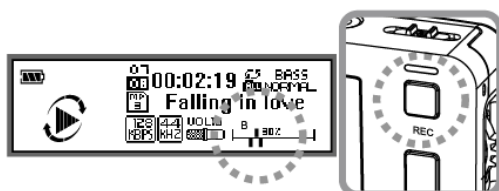
Playing back the voice recording file

Select the recorded file and press the [Play] key. Refer to the music playback method to see how to play back the recorded voice.

Setting Line in recording mode

Set the mode selection switch to the "Music". Connect the Line in cable, which is included in the product package, to the output terminal of the line in audio device. Start the external audio first and press the [REC] button longer than 2 seconds. Then, the red LED will flash and line in recording will start. The (REC) icon will also flash when line in recording is started. The line in recording file number and recording progress time will be displayed.

Basic operation



Bookmark function

You can use the bookmark function to mark a certain point of the file and to move to the designated point quickly.

Press the [REC] button shortly during playback and then, the bookmark will be set as shown in the figure.

Press the FF (▶▶) or REW (◀◀) during playback to quickly move to the bookmarked point.



Sector repetition playback (A<->B)

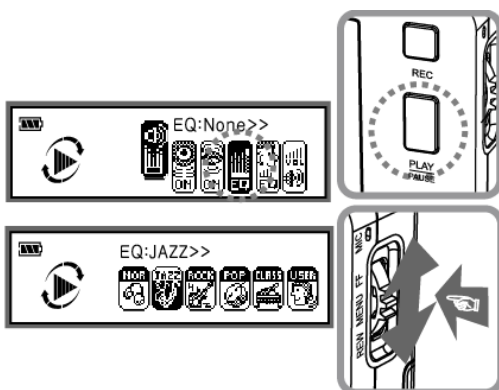
Press the A<->B/SPD key during playback to set the point where sector repetition will be started.

The [A->] icon will flash.

Press the A<->B/SPD key again to stop repetition playback.

The [A<->B] icon will flash and the selected sector will be repetitively played back.

To clear repetitive playback, press the A<->B/SPD key again and playback will be resumed.



Equalizer function

You can enjoy various sound tone when you select

(EQ) after entering to the sound effect setting




mode by pressing the [Menu] key.

Use the FF (▶▶) or REW (◀◀) key to move between Normal -> Jazz -> Rock -> Pop -> Classic -> User and then, press the [Menu] key to select the equalizer mode you want.

You can change to the intended sound tone by pressing the [Play] key at the EQ of sound effect menu.

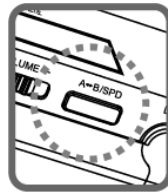
Controlling playback speed

Press the A<->B/SPD key shortly twice during playback.




Whenever you press the button, playback speed will be switched between Normal (no icon) -> () -> () -> ().

When playback speed is displayed that you want and you don't press any button, the selected speed will be applied.

This function is quite useful for foreign language study. You can adjust playback speed for your convenience and purpose.



Normal: Normal playback speed.

- (): Playback is faster than normal speed by 1/6.
- (): Playback is slower than normal speed by 1/2.
- (): Playback is slower than normal speed by 1/3.

Text display

Press the [Menu] key for 3 times for a long time during playback.

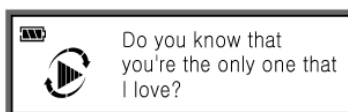
The text of the music being played back will be displayed in 3 lines.

To release the song words display function, press the REW (◀◀) button for one time.

Only the MP3 format supports text display.

WMA and TVF format does not support text display.

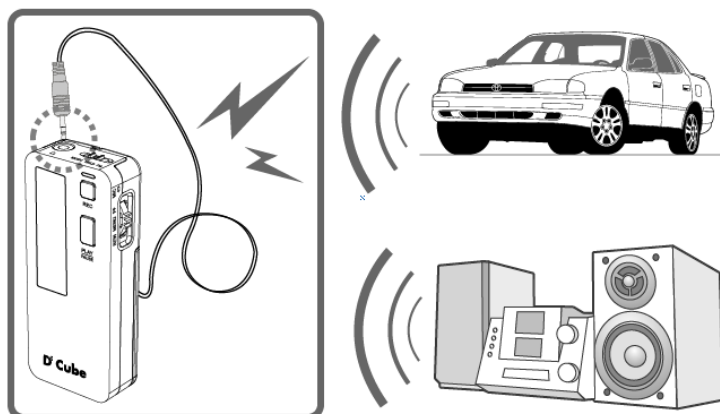
For MP3 text display function to be activated, it should include the text with it.



Basic operation

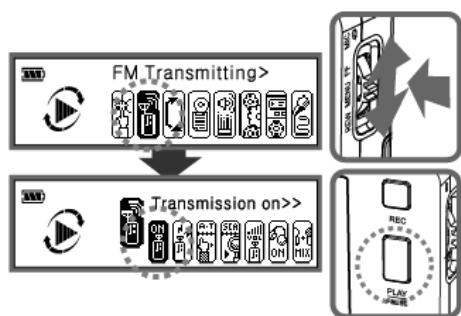
FM transmitter mode



NMP-612T/TD is integrated with a FM transmitter. Therefore, you can play back MP3 or WMA file from NMP-612T/TD in the FM-tuner integrated audio, without connecting to the separated external device.



Shortcut: You can directly switch to the FM transmitter function by pressing the A<->B/SPD key longer for one time during playback.

Setting the FM transmitter



Press the [Menu] button to select ()
Select the FM transmission function (On/Off) using the job key after selecting ()

Shortcut: You can set On/Off directly by pressing the [Play] key at the [Transmission on >>] in the FM transmission menu.

When using the FM transmitter function, frequency interference may occur depending on the area.

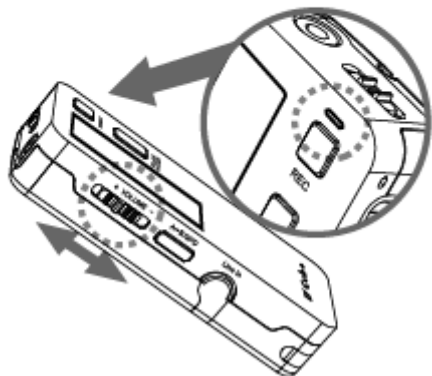
Refrain from using the FM transmitter function when thunders or lightning flashes.



The red LED will flash and the transmitter function will be activated.

The (FM) will be displayed on the LCD main window.

Checking to see if the FM transmitter works or not
You can listen to the playback sound by adjusting the transmission frequency of NMP-612T/TD with that of the line in FM receiver.



Car stereo

Do not adjust the FM transmitter function while you're driving. Car accident may occur.

FM radio

Setting the FM transmission frequency

Select the frequency you want using the volume key while the FM transmitter is activated.

- You may not be able to set some of the public broadcasting frequency.
- You cannot adjust volume using the volume key while the FM transmitter is activated.

User information

Specifications

Model name	NMP-612T/TD/TG	
Built-in Transmitter	88.0MHz ~ 95MHz	
Flash Memory	Memory capacity is written on the product package box.	
Text Display LCD	ID3 v1 tag, DI v2 tag	
Download/Upload data rate	Max. 6 Mbps	
MP3 Decoding	Supports ISO MPEG 1/2/2.5 layer 3 including variable bit rate.	
	MPEG1 Layer 3	32KHz / 44.1KHz / 48K Hz
		32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 Kbps
		Mono/Stereo/Joint stereo mode
	MPEG2 Layer 3	16KHz / 22.05KHz / 24 KHz
		8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160 Kbps
		Mono/Stereo mode
Variable bit rate		
WMA Decoding	Supports high bit rate version, middle bit rate version	
	Bit rate	32Kbps ~ 92Kbps
MP3 Encoding	ISO MPEG 1/2/2.5 Layer 3 Support Including variable bit rate (up to 256Kbps)	
	Sampling frequency	8Khz, 16Khz, 22.05Khz, 32Khz, 44.1Khz , 48KHz
	Bit rate	8Kbps ~ 224Kbps VBR support
TVF Format Recording		
Earphone Output	12mW/12mW (left/right)	
S/N (Signal-to-noise ratio)	Over 95dB (JIS A weight filter)	
Playback Time	Longer than 22 hours (128Kbps, 2.5mW) FM: Longer than 40 hours When the FM transmitter is activated: Longer than 10 hours	
Voice Recording Time	256MB: Up to 125 hours (TVF 4.8kbps) 512MB: Up to 255 hours (TVF 4.8kbps) MIC AGC (Automatic Gain Control)	
Line-in Recording Time	Longer than 8 hours (512Mb memory, 128Kbps encoding)	
PC Interface	USB v1.1	
Power	1 AA size battery	
Dimensions	35.5 (width) X 84 (height) X18.5 (length) mm	
Weight	47g (excluding a battery)	



Please read carefully the following instructions and safety pre-cautions to prevent damage on the property and the user.

Do not expose the product in the high-temperature area (above 60 degree), under the direct sunlight, inside door-closed vehicle, in the dusty and high-humidity area like a bath room.

Use the soft and dry cloth when cleaning the product. Do not apply any solvent, benzene or thinner. (These materials may deform or de-color the product surface.)

Do not apply excessive power to the LCD unit. Never disassemble, repair or modify it. Please be kindly noted that Nextway will bear no obligation over file contents loss due to malfunction, repair or other reasons.

Do not put the player close to the magnetic materials such as the cash card or commuter card because it may cause magnetic interference to the player, which will result in product breakdown.

Be careful not to insert any foreign object in the player. If you split water or fluid inside the player, take out the battery/adaptor and contact with Nextway A/S Center.

Please take out the battery if you will not use the player for a long time. (Electron leakage may damage the product.)

Safety precautions

1. Do not adjust the FM transmitter function while you're driving. Car accident may occur.
2. If you listen to the music with high sound volume, you hearing ability may be impaired.
3. Do not repair, disassemble or modify the player at your own discretion.
4. In case there is distortion of the product due to smoke or fire, remove the battery immediately.
5. Do not use in the places such as inside the plane or place where electronic devices are prohibited
6. Refrain from using headphone/earphone during biking, or driving. (It can be a major cause of accident if headphone/earphone is used during walking)
7. When you wear a neck strap, be careful about being caught in a door.

Warranty

For Customer Services

1. This product is manufactured with the strict quality control and overhauling procedures.
2. Nextway provides with free after sales service for any malfunction caused by proper usage and occurred in the warranty period.
3. Free customer service is not guaranteed if the cases come under the pay services below.
4. This warranty is valid for the domestic use only.
5. The free warranty period for using commercial businesses (business activities, uncommon usage) are 6 months.
6. Fill in the warranty form and keep it for future reference.
7. If the trouble occurs, contact the distributor or the customer service team as described below.

Product Name	MP3 Player	Model Name	NMP-612T/TD
Purchased Date	// (YY/MM/DD)	Warranty Period	One year
Purchased Place		S/N	
Customer Information			
Name		Phone Number	
Address			

Customer support and A/S enquiry

Next Building, 736-40, Yoksam-dong, Kangnam-gu, Seoul, Korea
(T) +82-2-563-6943 (F) +82-2-563-7479 (E) service@nextway.co.kr

Please contact with the customer support team if you have any enquiry about the product usage.