



# MP3 Player (C670) User's Manual

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## Overview

Thank you for purchasing Netac MP3 Player (C670), which is a unique designed device combining MP3 player, recorder, FM receiver, SD/MMC Card reader and Flash Drive.

## Features

- High definition array LCD with indigo backlight
- Playback MP3/WMA music files
- Stereo output
- Lyric shows while music is playing back
- Support English, Traditional & Simplified Chinese Fonts
- Start from where it was shut down
- With multiple Playback Mode & Sound Mode
- Support A-B repeat
- Support SD/MMC Card hot plug and play
- With FM receiver & support recording FM programs to MP3 files
- Support VOICE and LINE-IN recording
- With button lock
- Playing time is approximately 10 hours with an AAA alkaline battery
- Built-in 32M ~ 512MB flash memory
- No driver installation required (except on Windows 98)
- Easy to transfer files: just copy and paste
- Built-in Mini USB port, compatible USB Specifications 2.0/1.1/1.0

## System Requirements

- IBM Compatible PC, Notebook, Mac with USB port
- Windows 98/Me/2000/XP/Server 2003, Mac OS 10.2 or above

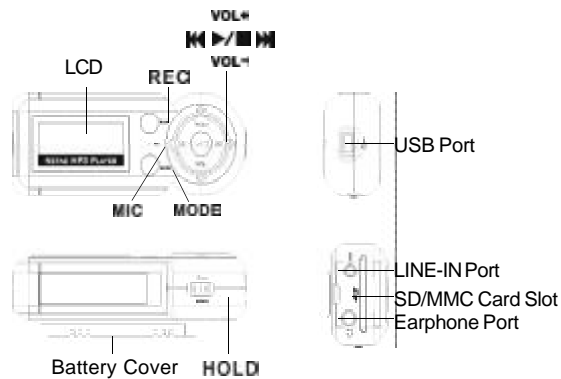
## Getting Started

### Unpacking

The full package includes:

- |                 |                           |
|-----------------|---------------------------|
| MP3 Player      | Earphone                  |
| USB Cable       | LINE-IN Cable             |
| Installation CD | User's Manual             |
| Neck Strap      | Size AAA alkaline battery |

### Parts and Controls



- ▶/■**: Power on/Play/Pause/Stop/Power off/FM Preset channel select/FM Mode select
- REC**: Record/Stop record/A-B repeat/Play Mode short switch
- MODE**: Mode switch/Mode select/FM Mode select
- ⏮**: REW/Previous track/FM channel down/Submenu-scroll-down select
- ⏭**: FF/Next track/FM channel up/Submenu-scroll-up select
- VOL+**: Volume up
- VOL-**: Volume down

**HOLD**: Lock

## Connecting MP3 Player to the PC

### Driver Installation on Windows 98

MP3 Player requires driver installation on Windows 98. Double click the file "setup.exe" under the directory "\C670V2" of the installation CD, and driver for Windows 98 will be installed automatically.

### Transferring Files from the PC to MP3 Player

- 1) Power on MP3 Player and connect it to your computer through the USB Cable when MP3 Player is under MUSIC MODE.
- 2) When successfully connected, "READY" will display on the LCD.
- 3) Double click "My Computer", and you would find two new icons representing MP3 Player and SD/MMC Card. A new icon would display at the taskbar on Windows Me/2000/XP/Server 2003 representing MP3 Player. Double click "My Computer", and you would find two new icons "NO\_NAME" representing MP3 Player and SD/MMC Card on Mac OS 10.2 or above. *Note: Only one disk letter will appear if the card is not plugged into the MP3 Player.*
- 4) Now you can copy, delete or save files on MP3 Player or SD/MMC Card, just as you would do on a traditional hard disk.
- 5) During file transferring, don't remove MP3 Player from computer.

### Safely Remove MP3 Player

To remove MP3 Player from your computer, please choose one of the following methods according to your operating system:

*Windows 98:* Unplug MP3 Player from the USB port directly when "READY" appears on the LCD.

*Windows Me/2000/XP/Server 2003:* Click the icon on the taskbar, and "Stop USB Mass Storage Device-Drive" message appears. Click the message, and a window indicating "The USB Mass Storage device can now be safely removed from the system" shows. Then click "OK" to unplug MP3 Player safely.

Mac os 10.2 or above: Click "push NO\_NAME" or "push" (the card plugged into MP3 Player) of "Files" in the menu, then you can unplug MP3 Player safely.

*Skill: Taking disk letter into recycle bin before unplugging MP3 Player.*

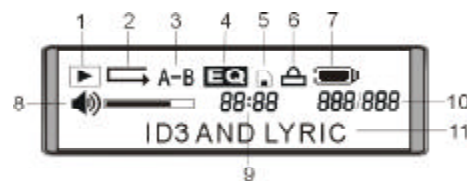
## Basic Operations

### Power On & Power Off

To power on/off MP3 Player, please hold **▶/■**. After power on, the default mode is MUSIC MODE and MP3 Player is in stop status.

MP3 Player will automatically power off in pause/stop status when there is no operation on it if the setting of "Auto poert off" is able.

### On the LCD



- 1) Playback: Indicates the playback status with different logos.
- 2) Repeat mode: NORMAL/REPEAT TRACK/REPEAT ALL/SHUFFLE.
- 3) A-B repeating: Indicates if A-B repeating is selected.
- 4) Sound Mode: Indicates the EQ, such as NORMAL, ROCK, JAZZ, CLAS-SICAL and POP.
- 5) Card: Indicates SD/MMC Card status. indicates that SD/MMC Card has been inserted in.
- 6) Lock: Indicates whether the HOLD switch has been enabled.
- 7) Battery: Indicates the battery status.
- 8) Volume: Indicates volume status.
- 9) Elapsed Time: Indicates play time of current track.
- 10) Track number: Area for track number/total number of all tracks.
- 11) Track Information & Lyric: Area for track information & Lyric display during playing status.

## Locking the Buttons

This function is used to prevent the buttons from being accidentally operated when you carry MP3 Player. To lock all buttons please simply push the "Hold" switch to the direction of the arrow marked above it, an icon appears in the "Lock" area of the LCD and no buttons will be able to operate. To release the hold function, please push the "Hold" switch to the opposite direction.

## SD/MMC Card

MP3 Player supports SD/MMC Card hot plug and play.

After the Card has been successfully inserted in MP3 Player, an icon would display in "Card" area of the LCD. You can store more files.

You can also set to store LINE-IN/MIC/FM recorded files in SD/MMC Card.

*Note: After the Card has been inserted, the order of MP3 Player playing back is: play back music in MP3 Player before in SD/MMC Card.*

## Mode Switch

There are eight modes in MP3 Player system: MUSIC, FM, VOICE, LINE-IN, SETUP, REC-SETUP, INFO and EXIT. Please press **⏮**/**⏭** to choose each menu, then press **MODE** repeatedly to select the mode you want.

## MUSIC

### Play / Pause / Stop

Please press **▶/■** to playback a file while in pause/stop status.

Please press **▶/■** to have a pause while in playing status.

Please hold **▶/■** to stop playing while in playing/pause status.

### Fast Forward & Rewind track

Please hold **⏭**/**⏮** to fast forward or rewind the track while in playing status.

### Track select

Please press **⏮**/**⏭** to select a track while in playing/pause/stop status.

### Volume adjust

Please press **VOL+**/**VOL-** to adjust the volume while in playing/pause/stop status.

### A-B repeat

Please press **REC** twice to decide the start and the end while in playing status, MP3 Player will start A-B repeat.

Please press **▶/■** to have a pause or press **REC** again to exit A-B repeat.

### Lyric Shows

MP3 Player can find lyric with the same name of the song under the directory automatic (LRC form, you can make it by yourself, or download from Internet and other channel).

- 1) Copy lyric and song (LRC form) to the same directory of MP3 Player.
- 2) Make sure that the name of lyric and song must be the same, if not the lyric will not be shown.
- 3) Lyric will be shown in the LCD "ID3 AND LYRIC" during the music playing back.

## FM

Under FM MODE MP3 Player can receive FM programs and record programs.

### FM

Press **⏮**/**⏭** to change the preset channel.

You can press **▶/■** to stop receiving at any moment, press **▶/■** again to go on receiving.

### SCAN

Press **MODE** to switch the SCAN status.

Auto search channel: Under SCAN status, press **▶/■** to go to auto search status, then press **▶/■** or **VOL+**/**VOL-** to start auto search, MP3 Player will store it to the relevant number automatically after searching each channel.

Search channel by hand: You can search a channel by hand which has been stored. Under the SCAN status, press **⏮**/**⏭** to search channel. Each press will increase or decrease 0.1 MHz.

*Note: MP3 Player support 30 preset channels most.*

### SAVE

After auto search channel or by hand, press **MODE** to switch to SAVE status, then press **▶/■** to save searched channel. After LCD displayed "Station Saved", MP3 Player go back to FM status.

### Exit

Press **MODE** to switch to the EXIT status, press **▶/■** to exit and go back to MUSIC mode.

### **Volume adjust**

Please press **VOL+** / **VOL-** to adjust the volume under FM and SCAN status.

### **RECORD**

The LINE-IN recorded files will be automatically saved with the title of “M001, M002...” and can be played back under LINE-IN MODE.

#### **Record FM programs**

Before recording FM programs, please set the “Source” of “REC-SETUP” to “FM”, then hold **REC** to start FM program recording, press **▶/■** again to pause FM recording, and press **REC** to stop.

#### **VOICE**

MP3 Player can record by MIC under the MUSIC/VOICE mode.

The operation of files play and setting is the same as under the MUSIC MODE.

Before record, please set the “Source” of “REC-SETUP” to “Mic”, the record operation of MUSIC/VOICE mode are as follows:

- 1) Please press **REC** to start VOICE record while in stop status. Please put the **MIC** near the sound resource to ensure the record quality.
- 2) Please press **▶/■** again to pause/resume VOICE record, and press **REC** to stop.

#### **LINE-IN**

Under LINE-IN MODE MP3 Player can playback FM, Mlicrophone or LINE-IN recorded files, and record output program of connected audio/video device.

Connect the 2.5mm port of LINE-IN Cable to MP3 Player, and 3.5mm port to audio output socket of any audio/video device.

*Note: Under LINE-IN MODE support to record the receiving program as MP3 synchronously: Record will stop automatically when there is no music input.*

The operation of files play and setting is the same as under the MUSIC mode. Before LINE-IN record, please set the “Source” of “REC-SETUP” to “LINE-IN”,

the record operation of LINE-IN mode are as follows:

- 1) Connect the 2.5mm port of LINE-IN Cable to MP3 Player, and 3.5mm port to audio output socket of any audio/video device.
- 2) Please press **REC** to start LINE-IN record while in stop status.
- 3) Please press **REC** again to pause LINE-IN record, and hold **▶/■** to stop.

### **SETUP.**

When enter SETUP menu, please press **■** / **■** to select the submenu. The operation of setting are as follows:

#### **EQ**

Select “EQ”, press **MODE** to enter, and you can select the sound mode of music playing by press **■** / **■** as: NORMAL, ROCK, POP, JAZZ, or CLASSICAL. After setting, press **MODE** again to go back to SETUP menu.

#### **PLAY MODE**

Select “PLAY MODE”, press **MODE** to enter, and you can select the mode of music playing by press **■** / **■** as: NORMAL, REPEAT TRACK, REPEAT ALL, SHUFFLE. After setting, press **MODE** again to go back to SETUP menu.

#### **ERASE**

Select “ERASE”, press **MODE** to enter, and you can delete any MUSIC/LINE-IN/MIC file by press **■** / **■** or exit.Select the file you want to delete, press **MODE** to affirm, then operate by the clew of LCD. Selsct “EXIT”, press **MODE** to exit “Erase a file” and go back to SETUP menu.

#### **BACKLIGHT**

Select “BACKLIGHT”, press **MODE** to enter, and you can set the LCD back-light of MP3 Player by press **■** / **■** as: 0-60 seconds. After setting, press **MODE** again to go back to SETUP menu.

#### **POWER SAVINGS**

Select “POWER SAVINGS”, press **MODE** to enter, and you can set the time of auto turn off by press **■** / **■** as: 1 min, 5 min, 10 min or Disable. After setting, press **MODE** again to go back to SETUP menu.

#### **CONTRAST**

Select “CONTRAST”, press **MODE** to enter, and you can set the LCD contract of MP3 Player by press **■** / **■**. After setting, press **MODE** again to go back to SETUP menu.

#### **FONTS**

Select “FONTS”, press **MODE** to enter, and you can set the displayed language by press **■** / **■** as: ENGLISH, Traditional Chinese, or Simplified Chinese. After setting, press **MODE** again to go back to SETUP menu.

#### **EXIT**

Select “EXIT”, press **MODE** to exit SETUP mode, go back to main menu of MP3 Player.

### **REC-SETUP**

Under REC-SETUP can select each option of REC-SETUP menu by **■** / **■**, and set the option by **MODE**.

#### **Source**

Select“Source”, and you can set the source of record by press **MODE** as: FM, LINE-IN, Mic, then press **■** to enter “Enc” setting.

#### **Enc**

Select“Enc”, and you can set the format of record by press **MODE** as:MP3, IM ADPCM, MS ADPCM or PCM, then press **■** to enter “Channels” setting.

#### **Channels**

Select“Channels”, and you can set the channel of record by press **MODE** as: Stereo or Mono, then press **■** to enter “Save” setting.

Note: When the setting of “Source” is “Mic”, the channel only can be set as “Mono”.

#### **Save**

Select“Save”, and you can set the save position of record file by press **MODE** as: Internal or External, .then press **■** to enter “Sample” setting.

#### **Sample**

Select“Sample”, and you can set the Sample by press **MODE**. When the setting of “Enc” is “MP3”, Sample can be set as: 32000Hz or 44100Hz. When the setting of “Enc” is “IM ADPCM / MS ADPCM / PCM”,Sample can be set as: 8000HZ, 11025HZ, 16000HZ, 22050HZ or 32000HZ.Then press **■** to enter “BitRate” setting.

#### **BitRate**

Select“BitRate”, and you can set the Record BitRate by press **MODE**. When the setting of “Enc” is “MP3”, BitRate can be set as 96kbps. When the setting of “Enc” is “IM ADPCM / MS ADPCM / PCM”, BitRate is disable. Then press **■** to enter “EXIT” setting.

#### **EXIT**

Select ”EXIT”, press **MODE** to exit REC-SETUP mode, go back to main menu of MP3 Player.

### **INFO**

Enter INFO menu, press **MODE** can browse system infomation of MP3 Player, including: F/W Ver, Int Media and Ext Media. Press **MODE** can exit INFO menu, and go back to main menu of MP3 Player.

### **EXIT**

Select “EXIT”, press **MODE** to exit main menu of MP3 Player.

## **Specifications**

About some capacity is reserved for programs in MP3 Player, so its actually capacity may be a little less than the rated one.

Items	Details
LCD	High definition array LCD
File Format	MP3/WMA
Record Format	MP3
Earphone Output	7mW +7mW, 32ohm
Frequency Response	20Hz ~ 20KHz
Signal-to-noise Ratio	>80dB
Total Harmonic Distortion	<0.05%
Radio Frequency Range	76 - 108MHz
Recording Quality	44.1 KHz Sampling
Power Supply	Size AAA alkaline battery X 1
Battery Life	>10 hours
Dimensions (L x W x H)	86.6mm X33.0mmX26.4mm
Weight	45g (without battery)
Computer	IBM Compatible PC, Notebook or Macwith USB port
Operating System	Windows 98/Me/2000/XP/Server 2003, Mac OS 10.2 or above
USB Host Interface	USB Specifications 2.0/1.1/1.0
Capacity*	32MB ~ 512MB
Reading Speed	1.0MB/S USB1.1/1.0
(PC configuration dependent)	3.5MB/S USB2.0
Writing Speed	672KB/S USB1.1/1.0
(PC configuration dependent)	1.1MB/S USB2.0

## **Other Information**

### **Cautions**

- 1) “M\*\*\*.mp3” is title reserved for LINE-IN/MIC/FM recorded files in MP3 Player. Please avoid renaming music files to such titles before copy them to MP3 Player. Otherwise they cannot be played back under MUSIC MODE. The “\*\*\*\*” is “0-9”.
- 2) There is a system file named “SETTINGS.DAT” under the root directory of MP3 Player to store all settings before its power off. If that file is deleted, all settings will restore to default status.
- 3) Netac Technology Co., Ltd. is not responsible for any loss arising out of using Netac MP3 Player. The governing laws for this product are laws of the People’s Republic of China.

### **Troubleshooting**

If you experience any of the following difficulties in using MP3 Player, use this troubleshooting guide to help you solve the problem. Should any problem persist, consult Netac Customer Service.

#### **The Player does not function**

The battery is exhausted. Please change it!

Make sure the battery is inserted correctly.

#### **The buttons do not operate**

The buttons are locked. Make sure the “Hold” switch is OFF.

#### **No sound**

Make sure the earphone port is connected securely.

Adjust the volume with **VOL+** .

#### **Unable to connect to the PC**

MP3 Player is not power on. Please power on MP3 Player and connect it to your computer through the USB Cable.

Make sure the USB Cable is correctly connected. Please disconnect and then connect the Cable to MP3 Player.

Driver has not been installed. Please refer to “Driver Installation on Windows 98”.

#### **Unable to download MP3 files**

Format your MP3 Player and re-download the files.

#### **Cannot record files**

The available memory space in MP3 Player may be insufficient. Please delete some files first.

The amount of files stored in MP3 Player may be reach the maximum of the system. Please delete some files first.

## **Contact Netac**

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