

RICATECH RC400 PORTABLE MP3/WMA PLAYER

RC400



Cautions

- Do not subject the device to severe impact or drop it from a high position.
- Do not use the player in extreme hot or cold, dusty or damp environment. Do not expose it to direct sunlight.
- Back up your data frequently in case of accidental data loss.
- Avoid using the player in a strong magnetic field such as next to a microwave oven or conventional television.
- Keep the device away from water or other liquids. In the event that water or other liquids come in contact with the device, power off the product immediately, take out the battery and clean the device after letting it dry.
- Do not use chemical solution to clean the device in order to avoid corrosion. Clean it with a dry cloth.
- We are not responsible for the damages or lost data caused by malfunction, misusing, repairing the device or battery replacement.
- Do not attempt to disassemble, repair or modify the product, warranty will be void.
- The design of the player or actual display may be different from what is shown in this manual. It should be subject to the actual display or design.

1 Key Features

- MP3&WMA Playback
- Folder Navigation Function
- Voice Recording
- Built-in FM radio (optional)
- Removable Storage Device

2 System Requirements

- Hardware: IBM PC or Compatible PC, Notebook with USB interface
- Operating System: Windows98/SE, Windows Me, Windows2000/XP MacOSX or newer (Hardware only)

3 Package Content

Please check the package for the following items. If any one of them is missing, please contact the vendor:

- Main Unit
- Stereo earphone with neck Strap
- AAA –size Alkaline Battery
- User Manual
- Warranty Card

4 Before Using

4.1 Connect to the PC and download audio files

When using Windows 98/SE, you are required to install the included driver before connecting the unit. For detailed information about driver installation, see the “Driver Installation” section.


The MP3 player is a plug & play device for WIN2000/XP/ME OS. You don't need to install the driver. Just connect the player to the PC and download audio files following these steps:

- (1) Remove the USB cover to reveal the integrated USB connector.
- (2) Attach the USB connector of the player to the USB port of the PC.

Double click the “*My Computer*”, icon. You will see a “*removable disk*” which represents the player. Now you can use the removable disk as a normal local disk drive, copying audio files from or to the removable disk.

4.2 Removing the player from the PC safely

For Windows2000/XP:

- (1) Left click the  (Remove hardware safely) icon at the right hand corner of the taskbar.
- (2) Click the pop-up mini-window with message of “Stop the USB Mass Storage Device – Drive (X)”.
- (3) When you are prompted to remove the device, pull out the MP3 player.

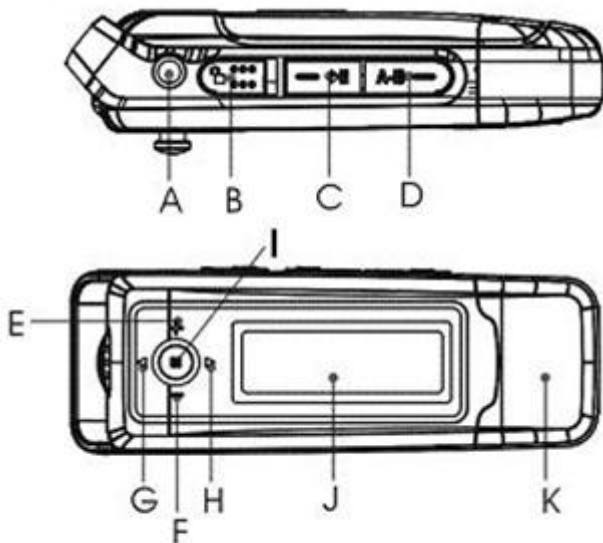
For Win98, please make sure the data transfer is completed before unplugging the MP3 player.

4.3 Installing the Battery

- (1) Press and push the battery cover in the direction of the arrow.
- (2) Remove the cover and insert one AAA-size battery into the battery compartment.
- (3) Close the cover.

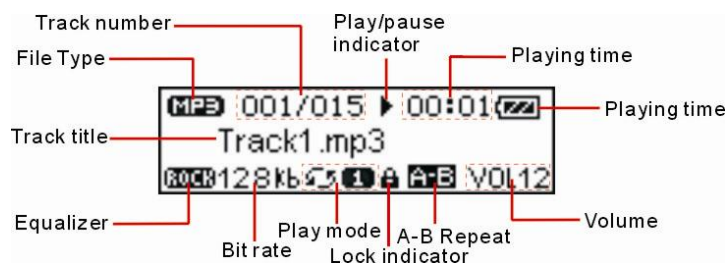
Note: Rechargeable batteries can be used, but will not be charged by the player and will be depleted faster than a normal 1.5v AAA battery.

5 Keys Description



- A. Earphone connector
- B. Hold Switch
- C. Play/pause
- D. A-B repeat/Record
- E. Volume up
- F. Volume down
- G. Previous
- H. Next
- I. MENU
- J. Display area
- K. USB port

6 LCD Indication



7 Basic Operations

Function	Operation
Power On/Off	Press and hold the ► key until you see prompt on the display.
Play/Pause	Press the ► key to play or pause.
Stop	During playback, press and hold the ► key for a while to stop the playback and return to the beginning of current track.
Adjust Volume	Press the Menu key up or down to increase or decrease volume.
Play the previous track	Press the Menu key left or right to move to the previous or next track
Fast Forward	Press the Menu key to the left and hold to fast forwards.

Rewind	Press the Menu key to the left and hold it to fast backwards.
Lock/Unlock keys	<p>Push the Hold switch to the right to lock keys against being pressed accidentally.</p> <p>Push the Hold switch to the left to enable all keys.</p> <p>Note: Depending on the model, your device may have no Hold Switch button. Instead, you can lock or unlock the keys by holding down the MENU button and then pressing the A-B button.</p>

8 Advanced Features

- **Using the Menu**

Press and hold the **Menu key** to enter the main menu.

Push the **Menu key** leftwards or rightwards to select a menu item and press the **Menu key** to confirm the selected item.

Press the **▶||** key to return. Or, when not pressing any key, the player will return to the previous menu automatically in a few seconds.

- **Using the Navigation Function**

(1) In the music or voice mode, press and hold the **Menu key** to enter the menu.

(2) Select "Folder" and press the **Menu button** to confirm.

(3) Push the **Menu key** left or right to select a folder.

(4) Press the **Menu key** to enter the selected folder.

(5) Push the **Menu key** left or right to select the track that you want to play.

(6) Press the **Menu key** to display two options: "Play now" and "Delete?". Push the Menu button to select one option and press the **Menu button** to continue or confirm, or press the **▶||** key to cancel and return.

- **A-B Repeat**

To repeat a specified section of the current track,

(1) Press the **A-B key** during playback to set the start point of the repeat loop.

(2) Press the **A-B key** again at the desired point to specify the end point of the repeat. The section between the start point and the end point will be played repeatedly.

(3) Press the **A-B key** shortly to stop A-B repeat.

- **Select Play Mode**

You can switch between the following play modes:

Normal – Play all tracks in order and stops after playing all

Repeat One – Keep repeating the current track

Repeat All – Play all tracks in order and repeat

Random Repeat – Keep repeating all tracks randomly

Dir normal – Play all files in the current folder and stop after playing all

Dir all repeat – Repeat all files in the current folder

Dir random repeat – Play all files in the current folder randomly.

To select the play mode:

(1) In Music or Voice mode, press and hold the Menu key to show the main menu.

(2) Select "Setting" and press the Menu key to show the available options.

(3) Select "Repeat mode" and press the Menu key to confirm.

(4) Push the Menu key leftwards or rightwards to select the desired repeat mode, and press the Menu key to confirm or press the ►|| key to cancel and return.

- **Select preset EQ mode**

You can play the tracks in different sound effect. The device provides 6 preset EQ modes: Normal, Rock, Jazz, Classic, Pop and Bass.

To set the EQ mode:

- (1) In the Music or Voice mode, press and hold the Menu key to show the main menu.
- (2) Select "Setting" and press the Menu key to show the available options.
- (3) Select "Equalizer" and press the Menu key to confirm.
- (4) Push the Menu key leftwards or rightwards to select the desired EQ mode, and press the Menu key to confirm or press the ►|| key to cancel and return.

- **Delete track**

You can delete a track following these steps:

- (1) Press and hold the Menu key to enter the main menu.
- (2) Select "Folder" and press the Menu button to enter folder navigation mode.
- (3) Move the Menu button to select the track that you want to delete and press the Menu button to continue.
- (4) Select "Delete?" by pushing the Menu button right and press the Menu button again to confirm.
- (5) Push the Menu key leftwards to select the "Yes" option and press the Menu key again to confirm deletion, or press the ►|| key to cancel deletion.

9 Voice recording

- **Record**

- (1) In the Music mode, press the ►|| key to stop or pause playing.
- (2) Press the A-B button to start recording. During recording, you can press the ►|| key to pause/resume your recording.
- (3) Press the Menu button to stop and save the recording.

- **Playback your recorded file**

- (1) On the main menu, select the "Voice" item to enter the voice mode.
- (2) Select the file that you want to play and press the ►|| key to play it.

Alternatively, you can enter the navigation mode, open the **MICIN** folder and select the recording that you want to play.

10 FM Radio (Optional)

On the main menu, select "**FM radio**" and press the Menu key to turn on the FM radio.

Note : *The headphones cable is used as an FM loop antenna.*

- **Auto-Search Broadcasting Station**

(1) In the FM Radio mode, press the Menu button to show the submenus.

(2) Push the Menu button right to select "Auto Scan" and then press the Menu key to confirm.

(3) The radio will automatically search for stations within the frequency range. The received stations will be saved as preset stations automatically.

- **Search station manually**

(1) When you see "PRESET" displayed, press the ►|| key to exit "PRESET" mode and enter the Manual scanning mode.

(2) Push the Menu key left or right to decrease or increase frequency by 0.1 MHz.

(3) You can save the found station manually as preset. (See "Save station" section)

- **Listen to a Station**

In the "PRESET" mode, push the Menu key left or right to tune in saved stations.

Note: *If you are in the "Manual" mode, press the ►|| key to switch to the "PRESET" mode.*

- **Save Broadcasting Station**

(1) When you receive a station, press and hold the Menu button to show the submenus.

(2) Select "Save Station" and press the Menu key to confirm.

(3) Push the **Menu key** leftwards or rightwards to choose a location for the station, and press the ►|| key to confirm

Note: *For the same location, the new saved station will replace the original one.*

- **Delete broadcasting station**

(1) In the "PRESET" mode, push the Menu key left or right to select the station that you want to delete.

(2) Press the Menu key to show the submenus.

(3) Select "Delete Station" and press the Menu key to continue.

(4) Press the ►|| key to confirm deletion.

- **Recording from an FM station**

You can record the FM programs broadcasted by the station into a WAV file.

(1) When you are listening to the FM tuner, shortly press the A-B key to start recording. while recording, you can press the ►|| key to pause/resume recording.

(2) Press the Menu key again to stop and save the recording to a WAV file

Note : *Your FM recording will be stored in the folder FMIN.*

To playback the your FM recording,

(1) Press and hold the Menu button to enter the main menu. Select "**Voice**" and press the menu button to enter the voice mode.

(2) Move the Menu button left or right to search the recording file and then press the ►|| key to play it.

Alternatively, you can search the recording file in the folder mode. In the voice mode, press and hold the Menu button to enter the main menu, select "Folder" and press the Menu button to enter folder navigation mode. Open the **FMIN.DIR** folder, and search the FM recording file that you want to play.

11 System Settings

To customize the player settings:

- (1) On the main menu, select the "**Setting**" item and press the Menu key to enter the system setting mode.
- (2) Push the Menu key leftwards or rightwards to select setting item and press the Menu key to confirm or press the ►|| key to cancel/return.

Item	Description
Contrast	Set the contrast between the background and the foreground of the LCD.
Backlight	Set the duration of the back-light after you press any key.
Power Set	Set the length of time after which the player is turned off automatically when there is no activity.
Record Set	Set recording bit rate. The higher the bit rate, the better the recording quality. They are four settings: 32kbps, 44kbps, 64kbps, 88kbps. Move the Menu button left or right to select one of them.
Language	Select language in which onscreen text is displayed
Reset	Revert all settings to the default settings (Data will remain)

12 Check system information

To check the software version or memory information,

- (1) Press and hold the Menu button to enter the main menu.
- (2) Select "**Info**" and press Menu key to continue. You will see the software version number and the memory information is displayed.

13 General Troubleshooting

Problem	Possible Cause	Solution
The LCD displays nothing when the ► key is pressed.	<ol style="list-style-type: none"> 1. No battery or battery is too low. 2. The keys are locked. 	<ol style="list-style-type: none"> 1. Install or replace the battery. 2. Unlock the Hold switch.
Press the ► key after turning on, while the player has no response.	The keys are locked by Hold switch	Slide the Hold switch to the unlocked position.
No sound when playing music or voice file.	<ol style="list-style-type: none"> 1. The volume is too low. 2. There are problems with the audio file. 	<ol style="list-style-type: none"> 1. Adjust the volume. 2. Delete the file or play oth files.

The player cannot be connected to the PC.	<ol style="list-style-type: none"> 1. The driver is not installed or damaged. 2. The USB interface is not supported by PC's motherboard. 	<ol style="list-style-type: none"> 1. Install or reinstall the driver shipped with the player. 2. Update or replace the PC's motherboard.
The displayed time is changing constantly.	The bit rate of the MP3 file is changing during playback.	Try to use fixed bit rate to compress the MP3 file.
The PC has error when you plug and unplug the player.	The player is disconnected from the PC abruptly while transferring files.	Do not disconnect the player from the PC when transferring files.
The total amount of memory displayed on the player is not in accordance with the marked amount.	A part of the internal memory is used to store firmware and and display characters.	
Some of MP3 files cannot be played properly.	The MP3 file is compressed by a standard, such as MPEG I Layer 1 or Layer 2 that the player does not support.	<ol style="list-style-type: none"> 1. Delete the unsupported MP3 files. 2. Use MPEG I Layer 3 standard to compress the unsupported MP3 files.

14 Technical Specifications

Item	Specification
Capacity	128MB/256MB/512MB/1GB/2GB/4GB/8GB
Battery Type	AAA-size alkaline or chargeable Lithium Battery
Battery Life	Approx. 10 Hours
LCD	132X32 Pixel, White Backlight
Earphone Power	5mW+5Mw
Output Frequency	20HZ-20KHZ
Record Sample Rate	32kbps, 44kbps, 64kbps, 88kbps
Audio File Format	MP3, WMA
Record Format	WAV
SNR	>70dB
USB Port	USB2.0
Operational Temperature	0°C ~ +55°C
Storage Temperature	-20°C ~ +55°C
Operational Relative Humidity *	20% ~ 90%
Storage Relative Humidity *	20% ~ 93%

15 Notice

- Plug&Play (P&P) is only available for WIN2000/XP. P&P not natively supported by WIN98 and WIN98SE under which a driver from the provided CD-ROM needs to be installed.

- Push the Hold switch to the unlocked position to enable all keys before operation.
- Please replace the battery immediately when the display indicates low battery, or the device will be powered off automatically.
- Please unplug the player properly to avoid data losing.
- The transfer rate displayed on the PC may be different depending on the operating system. Exact transfer rate should be subject to the player's indication.
- When the recorded voice file is too large, it is normal that the response of the device may be slow.

Warranty:

Ricatech BV covers all products (Excl. Aecessories) with a 2 year warranty applying to all faults caused by a factory-error. External physical damage will not be covered by our warranty

Warranty:	All hardware errors occurring within 2 years after purchase unless caused by points mentioned below.
No Warranty :	Faults caused by: *Dismountal by any other service center then ours. *Firmware upgrade *Water and moisture damage *Drop and bump damage *Usage with non approved Ricatech accessories. *Short-circuit or over-voltage by host computer (PC) *Physical damage, loss or damage to accessories
Out of warranty repairs	Please be so kind to contact us for out-of-warranty repairs. We will provide you with a quotation with the expected costs. Goods out of warranty cannot be returned to your reseller.



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