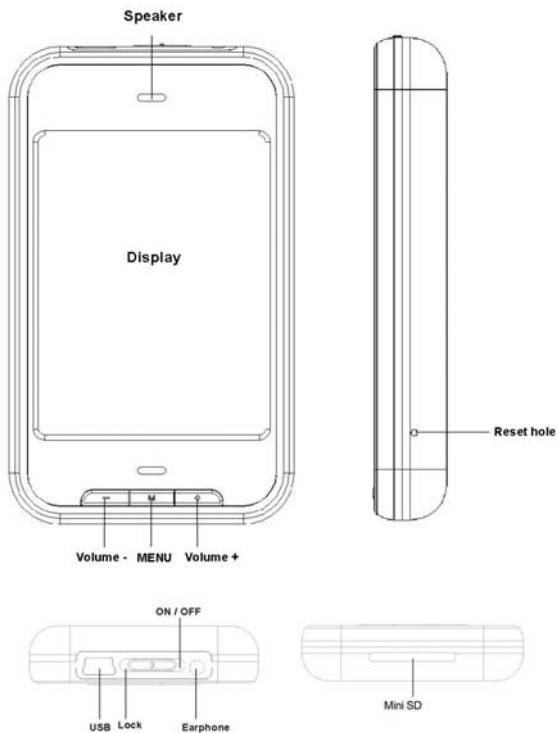


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# Major Functions

- Brand new touch screen operating system, with enhanced display and convenient operation
- 320x240 dot matrix 260K-color (full color) high speed TFT display screen
- Supports MP3, WMA and WAV music formats
- Supports MPEG-4 (AVI) video format
- FM radio with 20 preset channels
- Supports picture browsing in JPEG, GIF and BMP formats
- Built-in microphone and extra long time recording
- Energy efficient setup, with automatic power off
- Multiple EQ and cycle options
- Supports multiple foreign languages
- Supports WIN98S/ME, WIN2000 and WINXP systems
- USB2.0 high-speed transmission
- Supports e-book reading
- Supports game functions
- Mobile hard disk functions
- Upgradable firmware





- 01: Play mode
- 02: Loop mode
- 03: Play/pause state
- 04: Power display
- 05: Current music/total music
- 06: EQ
- 07: Bit rate
- 08: Song name
- 09: Lyrics
- 10: Progress bar
- 11: Elapsed Song Time
- 12: Volume
- 13: Song Remaining Time




- 01: Power display
- 02: Manual search mode
- 03: Preset radio channel mode
- 04: Save radio channels
- 05: Delete radio channels
- 06: Automatic search mode
- 07: Radio frequency
- 08: Receiving area
- 09: Frequency progress bar
- 10: Receiving area frequency range
- 11: Volume




- 01: Power display
- 02: Recorded file name
- 03: Recording time
- 04: Recording progress bar
- 05: Recording quality
- 06: Remaining time for recording

# Basic Operation

Power on


Push the power switch of the player towards  for 3 seconds to power on.

## Power off

While power is on, push the power switch of the player towards  for 3 seconds to power off.

## Lock button on/off

In video, music and radio modes, you can set the lock button to ON to prevent unintended button actions.


Button lock: Push the switch button of the player towards , and the buttons of the player will be locked with no response.

Button lock: Push the switch button of the player to the original position to unlock and restore button operation.

## Volume Control

In music, FM radio and video, etc, modes you can adjust the volume using + or – buttons at the lower part of the screen. Hold Button + or Button – to continuously increase or reduce volume.

## Switching the earphone/built-in speaker output

In the button menu, short press  button to switch the sound output between the earphone and built-in speaker.

## Power reset

If the player shuts down while operating, you can turn off and restart the player by pressing RESET button.

## Connecting the computer and data file transmission

Start the computer and then connect the unit with the USB port of the computer using the connection line. The USB cable connection is required for battery recharge and for data transmission. This unit and the computer can be connected using the USB interface, and can be used as a mobile disk. You can easily drag and drop your favorite music into the player with no format conversion.

## **Battery**

This unit uses a high capacity lithium battery. The duration of battery power depends on volume and the amount of time the display is on. Use power saving modes [user define power off time] or [display setup] to extend battery life.

## **Charging**

To recharge the battery, connect the player with the computer USB port or the USB charger. If the USB charger is used, the indicator of the charger during charging is red. The battery is fully charged when the indicator of the charger turns green.

## **Using a MINI SD card**

After this unit is connected with the computer, you will find two mobile disks. The first is the built-in memory storage for this unit and the other is the MINI SD card. If no card is inserted, the second disk cannot be opened. This unit supports MINI SD cards from 128MB to 4GB.

## **Inserting and Removing the MINI SD card**

Inserting: Put the MINI SD card face up (side with words) (with the direction of the display screen as the face), and gently press the card into the socket in the unit. Now you can play the content in the MINI card.

Removing: Gently push the MINI SD card and it will eject slightly, then you can take it out.


Caution: To prevent damage to music files on the card and in the unit, please ensure that power is OFF when inserting or removing the MINI SD card!





# Main Interface

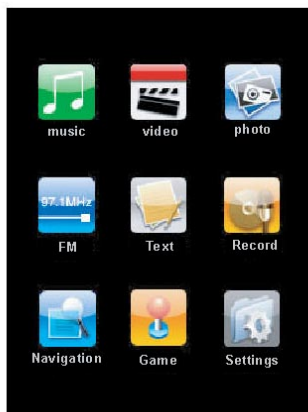
MP4 provides an intuitive icon based touch screen operating system, which makes navigation a breeze. In the main menu, click on the icons to access the different functions.

After accessing the corresponding function mode, gently press the touch screen. You can see a menu window.

Wait a short time or press  at the upper part of the screen to close the menu window.

Press M button at the lower part of the screen or press  at the bottom of the touch screen to return directly to the main menu.

Long press M button at the lower part of the screen or  in the control menu at the upper part of the screen to return to the main menu.



## Music mode

In the main menu, click on “Music” function icon on the touch screen to access the “Music” function interface.

### 1. Description of playing interface

After accessing the “Music” function mode, gently touch the screen to see the “Menu Window”.

Touch the “X” at the upper part of the “screen menu”, and the “Menu Window” will disappear.

Press “M” button at the upper part of the screen or “M” button at the bottom of the touch screen to return directly to the “Main Menu”.



Built-in speaker on/off control button



Use the music mode setup shortcut button to perform the music playing mode, the loop mode and the EQ mode.



Return directly to the “Main Menu”.



Close the button menu display.



Short press the button to go back to the previous track or long press to fast rewind the current music



Access the music list to select the music files



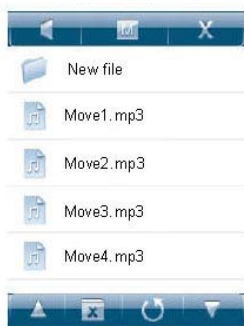
Play/pause the current music










Short press the button to advance to the next track or long press fast forward

## 2. Description of the music list interface

Directly touch the “name of music” on the screen to play the selected music.



-  Built-in speaker on/off control button
-  Return directly to the main menu
-  Close the button menu display
-  File browse up
-  Delete the selected music
-  Return to the folder up one level
-  File browse down

### 3. Lyric display

The player supports “\*LRC” lyric files (The user can download via “[www.lrc.com](http://www.lrc.com)” website, or acquire lyric files via “LRC”) to perform synchronous playing of lyrics and music. Names of lyric and music files must be identical.

Lyrics will automatically be displayed when a lyric file with LRC extension is present in the same folder as a currently playing song file with exactly the same name.

## Movies playing

In the main menu, click on the “Movies” icon to access the “Movie” function.

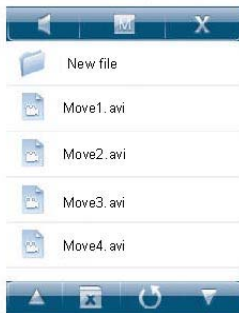
In the “Movie” mode, gently press the touch screen to see the menu window.

Touch the “X” at the upper part of the “screen menu”, and the “Menu Window” will disappear.

Press “M” button at the upper part of the screen or “M” button at the bottom of the touch screen to return directly to the “Main Menu”.

## 1. Description of movie file list

Directly click on the name of video file on the screen to start playing the selected video.



Built-in speaker on/off control button



Return directly to the main menu



Close the button menu display



File browse up



Delete the selected music file










Return to the folder up one level



File browse down

## Description of movies playing





-  Close button menu display
-  Return directly to the main menu
-  Built-in speaker on/off control button
-  Short press this button to access the previous video and long press for fast rewind of the current video
-  Access the video list and select the video files
-  Play/pause the current video
-  Short press the button to access the next video and long press to fast forward the current video

## FM radio








In the main menu, click on the “Radio” icon on the screen to access the FM radio function.

In the “Radio” mode, gently touch the screen to see the menu window.




Touch the “” at the upper part of the “screen menu”, to close the “Menu Window”.

Press “M” button at the upper part of the screen or “” button at the bottom of the touch screen to return directly to the “Main Menu”.





-  Built-in speaker on/off control button
-  FM record shortcut button
-  Return directly to the main menu
-  Close the button menu display
-  Change radio channels to the low frequency direction
-  Use the “Switch” button in the FM mode to switch between “Manual Search, Preset, Delete, Save, Automatic Search”, etc
-  Change radio channels to the high frequency direction

## 1. Searching radio channels





Short press “” button in the FM mode. Select “Manual” option and short press “/ ” button to search radio channels up and down. You can use silencing for this operation.

## 2. Saving radio channels




Short press the “” button in the FM state. Select “Save” option. Short press “” button to save the current radio channels. After selecting the radio channel selection positions CH1 and CH2, short press again the “YES” button for saving the same.




### 3. Fully automatic search and memory of radio channels

Short press “” button to select the “Auto” option. Press “” to perform fully automatic search of radio channels and saving. After the search is over, it will switch to the first radio channel for the frequency modulation. In the process of radio frequency search, press “/ ” button to stop automatic search.






### 4. Deleting radio channels

Short press “” button to select “Delete” option. Short press “” button to pop up the radio channel preset list. Select the preset radio channel position CH1 or CH2 to be deleted, and then short press “” button for “YES” and deletion.

### 5. FM recording

In the radio state, press “” button to access the FM recording interface.





-  Built-in speaker on/off control button
-  Return directly to the main menu
-  Close the button menu display
-  Long press the button to save the recorded files and stop recording
-  Short press the button to start/pause recording

## Picture browse

In the main menu, press the “Picture” icon to access the “Picture” mode.

In the “Picture” mode, gently press the touch screen to see the “menu window”.

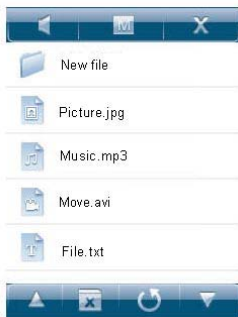
Touch the “” at the upper part of the “screen menu”, to close the “Menu Window”.


Press “M” button near the top of the screen or “” button at the bottom of the touch screen to return directly to the “Main Menu”.


### 1. Description of the picture file list interface


Directly click on the “picture file name” on the screen to display the selected pictures.








 Built-in speaker on/off control button

 Return directly to the main menu

 Close the button menu display

 File browse up








 Delete the selected pictures

 Return to the folder up one level

 File browse down

## 2. Picture browse





-  Close the button menu display;
-  Return directly to the main menu;
-  Built-in speaker on/off control button;
-  Access the previous picture;
-  Access the picture list to select from the picture files;
-  Automatic picture browse playing/pausing switch button;
-  Access the next picture.

## E-book

In the main menu, touch the “E-book” function icon to access the “E-book” function interface.

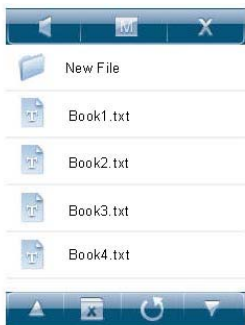
After accessing the “E-book” function mode, gently touch the screen to see the menu window.

Touch the “” at the upper part of the “screen menu”, and the “Menu Window” will disappear.

Press “M” button at the upper part of the screen or “” button at the bottom of the touch screen to return directly to the “Main Menu”.

## 1. E-book file list

Directly touch the “E-book file name” on the screen to display the selected e-book.



Built-in speaker on/off control button



Return directly to the main menu



Close the button menu display



File browse up



Delete the selected e-book

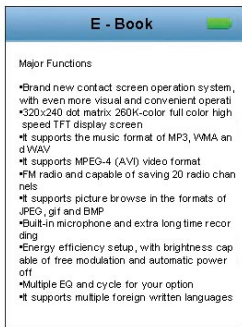


Return to the folder up one level



File browse down

## 2. E-book browse



Built-in speaker on/off controller



Automatic e-book browse setup button to set automatic browse switching time



Press this button to return directly to the main menu



Close the button menu display



E-book text page down




Return to the e-book text file interface







E-book bookmark

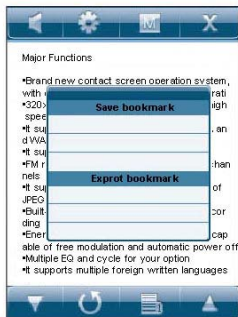


E-book text page up

Prompt: Push the power switch to the “” direction for one second to start/pause the automatic browse function of the e-book.

### 3. E-book bookmark setup

In the e-book browse mode, short press “” button to open the e-book setup menu. Press the e-book setup menu and then press “/” button to select the bookmarks to be saved/exported. After selecting “Save/Export Bookmark”, press “” button to confirm saving/exporting bookmarks, and then press “” to cancel saving/exporting the bookmark.



## Recording






In the main menu, touch “Record” function icon on the screen to access “MIC voice recording” function.

In the “Record” function mode, gently touch the screen to see the menu window.

Touch the “X” at the upper part of the “screen menu”, to close the “Menu Window”.

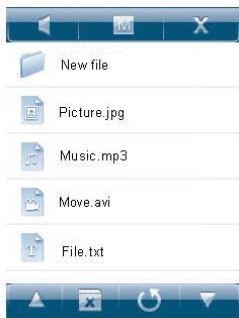
Press “M” button at the upper part of the screen or “M” button at the bottom of the touch screen to return directly to the “Main Menu”.





-  Built-in speaker on/off control button
-  Return directly to the main menu
-  Close the button menu display
-  Long press the button to save the recorded files and stop recording
-  Short press the button to start/pause recording


In the main menu, press the “Resource manager” icon on the screen to access the “Resource Manager” function.


In “Resource Manager”, you can list all files and folders saved in the player. The user can directly select the music, video, e-book and pictures and other files supported by the player in this interface for playing and can also delete selected files.





 Built-in speaker on/off control button

 Return directly to the main menu

 Close the button menu display

 File browse up

 Delete the selected files

 Return to the folder up one level

 File browse down

## Games


In the main menu, press “Game” icon on the screen to access the “Game” function.

Long press “M” button at the lower part of the screen to return directly to the main menu.

Game rules: When one line is filled with blocks that line will clear, and the blocks above will move downwards. Play continues until unfilled rows of blocks fill to the top of the screen. You earn 100 points for filling 1 line of blocks, 300 points for 2 lines at the same time, 700 points for 3 lines, 1500 points for 4 lines. The speed will accelerate when the points reach 10000.

### Game Controls

## 1. Start

Push the power switch to the “” direction for one second to start the game. Short press “PLAY” button to start/pause.

## 2. How to play games

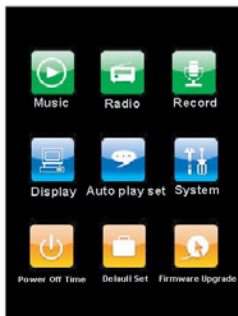
Press “+/-” button to move the blocks left or right and “M” to rotate blocks.

## 3. Exit

Long press “M” button to quit the game and return to the main menu.

# System setup

In the main menu, press the “System” icon on the screen to access the “System” setup function. This function allows you to set system options such as “music”, “Radio” , “Record” “Display” , “Auto play set”, “System”, “Power Off time”, “Default Set”, “Firmware Upgrade”, etc.



Press the corresponding function setup icon on the screen to access the corresponding function setup options.



In the “Setup” screen, long press “M” menu button to return to the main menu.

## 1. Music

In this setup, there are 4 options: Repeat Mode, Play Mode, EQ select and user EQ Set.

Press the onscreen “▲/▼” icon buttons to select the setup options. Short touch the selected zone on the screen to access Level 2 menu. In the 4 options, press “▲/▼” icon on the screen to select the corresponding setup, short touch the selected zone on the screen to exit and save the settings. Touch “⌂” icon to go up one menu level.

### 1) Repeat Mode

In this menu, you can choose from these options: single once, repeat single music, folder once, repeat folder, repeat once, repeat all, trial listening.

### 2) Play Mode

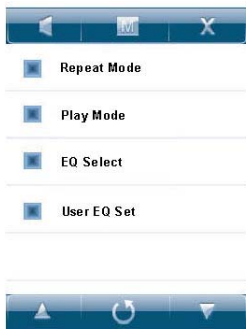
In this menu, select from: Sequence playing, random playing selection.

### 3) EQ select

In this menu, your options are: normal, 3D, rock, popular, classical, bass, jazz, user define.




### 4) user EQ Set

In this menu there are five frequencies, with 7 levels of adjustment for each to tailor the sound to your personal taste.



## 2. Radio

In this setup, there are two options: stereo switch and FM Region.

Touch “/” icons on the screen to select the set options. Then short press the selected zone on the screen to access Level 2 menu. In the two options, press “/” icons on the screen to select the corresponding setup. Short touch the selected zone to exit and save the settings. Touch the “” icon button to return to go up one menu level.

### 1) Stereo switch

Switch FM stereo on or off.



### 2) FM Region


Under this menu: options are: China, Europe, Japan and USA.



## 3. Record

In this setting, there are two options: REC Quality and REC Volume.

Press “/” buttons to choose a setup option. Then short touch the selected zone on the screen to access Level 2 menu. In these options, touch “/” icon button on the

screen to select the corresponding setup and then short touch the selected zone to save the settings and exit. Touch “” icon button to return to go up one menu level.

#### 1) REC quality

In this menu choose from: high quality and common quality.






#### 2) REC volume

In this menu, there are 5 options: +1, +2, +3, +4, +5. The higher the level, the greater volume it records.



## 4. Display

In this setup there are 3 options: backlight time, Lum and backlight Mode.

Touch “/ ” icon button to select the setup option. Then short touch the selected zone on the screen to access Level 2 menu. In two options, touch “/ ” icon on the screen to select the corresponding setup. Short touch the selected zone on the screen to save settings and exit. Touch “” icon button to go up one menu level.

#### 1) Backlight Time

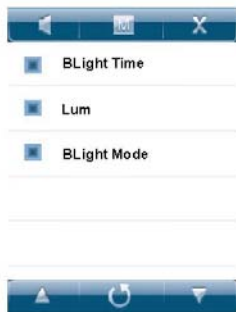
In this menu there are 6 options including: 5 seconds, 10 seconds, 15 seconds, 20 seconds, 30 seconds and long time lighting.

## 2) Lum

In this menu, there are 5 options including 1, 2, 3, 4 and 5. The higher the level, the brighter the display will be.






## 3) Backlight Mode

In this menu there are two options to choose from: normal and power efficiency.



# 5. Auto play set

In this setup there are two options: text and Jpeg.

At this time touch “/ ” icon button to select the setup option. Then short touch the selected the zone on the screen to access Level 2 menu. In two options, touch “/ ” icon on the screen to select the corresponding setup. Short touch the selected zone on the screen to save settings and exit. Touch “” icon button to go up one menu level.

## 1) Text

In this menu, there are 5 options: 10 seconds, 15 seconds, 20 seconds, 25 seconds and 30 seconds.

## 2) Jpeg






In this menu, there are 5 options: 1 second, 2 seconds, 3 seconds, 4 seconds and 5

seconds.



## 6. System

In this setup there are 4 options: Language, About, Calibrate and Bee.

Touch “/ ” icon button to select the setup option. Then short touch the selected zone on the screen to access Level 2 menu. In each option, touch “/ ” icon on the screen to select the corresponding setup. Short touch the selected zone on the screen to save settings and exit. Touch “” icon button to go up one menu level.

### 1) Language

In this menu there are three language options: simplified Chinese, traditional Chinese and English.

### 2) About

In this menu, you can see remaining storage capacity and system software version number. This information is read only. Short touch the information display zone on the screen and exit.

### 3) Calibrate






If you find that the touch screen position is not right, you can calibrate the contact buttons using this function.

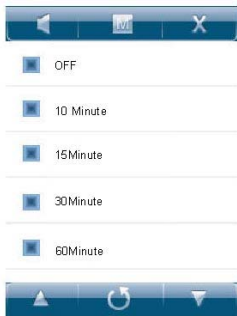
#### 4) Bee

In this menu, there are two options: On and Off.



## 7. Power Off time

In this setup there are 6 options: close, 10 minutes, 15 minutes, 30 minutes, 60 minutes, and 120minutes. Touch “/ ” icon button to select the setup option. Then short touch the selected zone on the screen to access Level 2 menu. In each option, touch “/ ” icon on the screen to select the corresponding setup. Short touch the selected zone on the screen to save settings and exit. Touch “” icon button to go up one menu level.



## 8. Default set

Touch “Default Setup” icon on the screen to access the “System recovery default” warning interface. Short touch “OK” button on the screen to restore to the factory default setup. Short touch “Cancel” on the touch screen to cancel.



## 9. Firmware upgrade

Touch “Firmware Upgrade” icon on the screen to access the “Firmware Upgrade”

warning interface. Connect the player to the computer USB interface to update the firmware for the player. Short touch “Cancel” on the touch screen to cancel.



## Producing video files

The player supports AVI, MPG, MPEG, RMVB, VMV and DAT, formats by converting them to the AVI format using included Video Conversion software. AVI is the most popular video format for the current portable media player as well as one of the most popular formats on the internet.

### Installing tool software

Put the driver CD included with the unit in the CD drive of your computer. In the Windows Operating System, the installation interface will automatically pop up. Click on “Video Convert Tool V3.X” to start installing all software for MP4 player. Follow the installation prompt to complete the installation process.

## System requirements

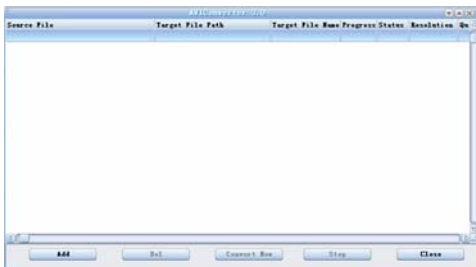
The basic configuration required by the video conversion software is:

CPU: INTEL or AMD; WINDOWS operating system that must be installed with the player in the version of MS MEDIA PLAYER9 or over.

### Operation steps

1. Click and run the program of “AV Converter.exe”, shown as follows:





2. click "add ", show dialog as follows:



3. Select and set your desired parameters, select your desired video/audio file and AVI video file routine to be generated, click [Start to Convert] button, then begin to convert to AVI file.

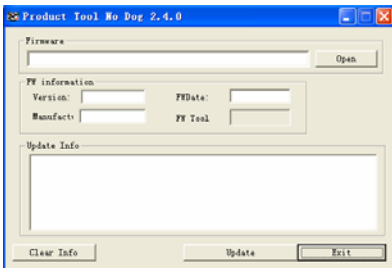


4. The successfully converted AVI video file can be played in the MP4 player. During the operation, enter Video Play menu, select the corresponding file, short press [MODE] key to play in video, long press to exit (the Video Play interface refers to the Screen Description).

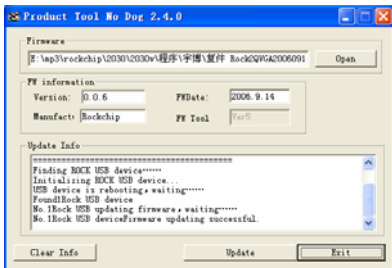
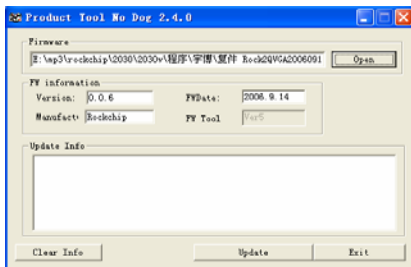
## Upgrade Player Driver

The player can upgrade or recover the damaged player driver via the software tool on the included disk.

1. For the first upgrading of computer, insert the driver CD into the CD-ROM of computer, then connect the MP4 player with computer (press and hold the MENU key), until the program Installation Interface appears.
2. Implement the next step according to the Dialog box prompt, and select the “Upgrading Tool” folder in the included CD in the “Browse” option of the fourth Dialog box, then click Confirm.
3. Follow the dialog box prompts until finished
4. When software installation is completed, you can begin the upgrading; select and run the firmware upgrading tool Consumer.exe (can be found in included CD), then open the option and select Rock2\*.rhw file (the Interface is as follows).



5. Connect the player to PC via USB cable (press and hold the MENU key before On-line operation), then click [Burnt Firmware] till the Auto Upgrading is completed.



Note: Firmware upgrade is to improve and optimize the performance of the player. The

player will continue to function normally even if the firmware isn't upgraded. Errors during firmware upgrading could cause the device not to work normally! The firmware upgrade software of this player is not compatible with other MP3/4 players.

## **Common Troubleshooting**

### **1. Product will not power on.**

Check the battery. If the battery is discharged, please use the provided adaptor to charge the battery and then retry. If the battery is fully drained, a full recharge will take approximately 8 hours. If the product still will not power up, press the "RESET" button on the side of the unit.

### **2. Buttons do not work.**

Check whether the power switch is in the HOLD position. If it is, move it to the normal operating position.

### **3. No sound.**

Check whether the voice is set to "0". If so, change it to your favorite position. Check whether an audio mode is activated (FM, Music, etc.). If no playing mode is selected, there will be no output of sound.

### **4. Noise while playing.**

Damaged music files may cause noise or inconsistent sound output. Check whether the earphone is connected. Make sure the earphone cord is not damaged. Dirt in the earphone jack/terminal can also cause noise.

### **5. FM radio channels don't work normally**

Since there is no separate antenna, the MP4 uses the connected earphone cord to receive FM radio signals. Therefore, reception will be best when the earphone cord is stretched out. The reception sensitivity may differ as the earphone cord is moved.

### **6. Noise in the recorded files**

The MP4 is equipped with a very small microphone. Some noise in voice recordings is normal with very compact microphones.

### **7. Garbage displayed on the screen**

Please check whether proper language option is set up. The language option can be set up in “Settings” – “System Settings” – “Language Settings”.

8. Unable to download files

Make sure that the computer and the player are properly connected. Make sure that there is sufficient available memory. Make sure that the USB connection cable is not damaged.