1. Main functions
- Supports audio playback: MP3, WMA, FLAC, APE, AAC, PLAY FX sound effect: Excellent sound effect performance
- Supports TF card of storage capacity 128MB-2GB
- Supports MPEG (.AVI), RM, RMVB...
- Supports photo browsing in JPEG, BMP, GIF format and automatic photo browsing.
- Long time voice recording with built-in microphone.
- Energy-saving setting, adjustable brightness and automatic shut-off setting.
- Multiple sound effects and repetition modes for selection.
- FM radio function (may be selected).
- Supports WIN2000, WIN XP, VISTA systems.
- Supports high speed USB2.0 transmission with speed up to 4MB/S.
- Supports E-book reading and bookmark function.
- Supports DRM9 data superiority management.
- Movables disk function
- Supports firmware upgrade
- Supports multi-tasking function, can read E-book and meanwhile listen to music.

2. Attention
This user's manual contains important information about safety measures and correct use. To avoid incorrect operation, please read it carefully before using the player.
1. Do not use the player in too hot, cold, dusty and moist environment.
2. Avoid dropping or heavily knocking the player, avoid heavily shaking the TFT screen otherwise it might be destroyed or display abnormally.
3. Users have to bear responsibilities for questions caused by flop or knock.
3. The battery life varies depending on the using conditions and environment.
4. Please charge the battery in following occasions: A, battery icon displays run down; B, system automatically shut down and re-shut down.

5. Do not disconnect the player in process of formatting or transmitting or downloading, otherwise, there might be fault with the player.
6. The Company will claim no responsibility for any damage on data loss due to breakdown, repair or other causes. Please operate according to user's manual and keep a copy of important data in time. If have any question during process of using, please contact the seller. Do not try to disassemble the device by yourself, otherwise, we will provide no quality warranty and users have to undertake responsibilities for any question resulting from random disassembly.
7. For different capacity calculation methods, certain space for player's system firmware and FAT partition table of FLASH memorizer, internal storage capacity marked on the player might not be identical with that seen after being connected to computer. Detailed condition depends on different firmware editions and FLASH categories.
8. Nowadays, computer virus is commonly seen. Virus may result in destroy of files and firmware programs of this player. Therefore, please reinforce virus prevention. The player may be unable to be used after being affected by virus. Users may update firmware via computer surely with no virus and format the player.
9. During charging, left bottom of the player may not warm up (surely it won't be very hot). That is an occasionary occasion and won't influence your use.

3. Basic operations
- Switch on/off
  Switch on: Push ON/OFF button to position of [ ] and continue for one second, with the login picture displayed, player enters into main menu for function selection.
  Switch off:
a. In playback state, push ON/OFF button to [ ] position and continue for one second and pause the content currently played, Re-push push ON/OFF button to [ ] position and continue for 2 seconds to switch off the player.
b. In main menu or pause state of playing menu, push ON/OFF button
to position and continue for 2 seconds to shut off the player.

- With battery dead, the player will be switched off automatically.

- **HOLD**

  In video, music and radio states, users can use HOLD function for holding button operation for avoiding unintentional button operation.

  HOLD: Push ON/OFF button to HOLD position

  Cancel HOLD: Push ON/OFF button back to original ON/OFF button position.

- **Power source reset function**

  In the process of using this player, when encountered with dead halt or abnormal occasions, users may try to push ON/OFF button to position and continue for 8 seconds to reset function of the player.

- **A-B repeat function**

  In state of music playback, long press M button for 2 seconds to enter into repeat mode, then the icon “A” of the repeat mode will be displayed in the lower side of the screen to confirm it as the start point of the repeat content, then long press M for 2 seconds, “B” come out, to confirm it as the end of the repeat content. Please long press M button again. Here the repeat icon A-B is fixed; start to play the content between A and B again and again.

  Press M button for 2 seconds to cancel the repeat of A-B.

- **Connecting to computer and transmitting files**

  Connect the player to computer via USB cable and realize the movable disk function for data transmission. The player may be connected with USB port of computer. In this occasion, it can be used as U disk. You may copy favorite music to MP4 player without adopting any third party program.

- **Volume adjust**

  In states of music playback and video playback, you may press VOL button to activate the color exchange of volume, then press \( \text{vol} \) and \( \text{vol} \) to adjust the volume.

- **First forward/backward**

  In states of music playback and video playback, users may press \( \text{fwd} \) and \( \text{bwd} \) to fast forward and backward.

- **Last file/next file**

  In states of music playback, video playback and photo browsing, short press \( \text{vol} \) and \( \text{vol} \) to enter into last file or next file.

- **Main menu**

  After start-off, the player enters into main menu. Press \( \text{vol} \) and \( \text{vol} \) buttons to select one from the following 8 functions' options: manual seek, auto seek, pre-set mode, save station, delete station, reception area and FM recording. Short press M button to enter function, list or menu and you may press ESC to return back to last list or menu.

- **System setting**

  In main menu, select “Setting” option (see following figure), short press M button to enter into setting interface and select sub item with \( \text{vol} \) and \( \text{vol} \) buttons.

4. **System menu**

- **Display setting**

  In setting menu, select “Display setting” and press M button to enter into selected option.

1. Background light time: 5 seconds, 10 seconds, 15 seconds, 20 seconds, 30 seconds and always bright six kinds of items for selection.

2. Brightness adjustment: first level, second level, third level, fourth level and fifth level five items for selection.

- **System setting**
In setting menu, select “System setting” and press M button to enter into the option selected. Two sub options: Firmware upgrade and system recovery.

1. Firmware upgrade: In this menu, pop up dialogue box to remind if carry out firmware upgrade or not; if no such dialogue box, just skip out.
2. In this menu, pop up dialogue box to remind if recover system default value; if not, just skip out.

Desktop set
In setting menu, select “ Desktop set” and press M button to enter into selected option. Users can use and to select one from Desktop 1, Desktop 2, Desktop 3 and Desktop 4.

Select language
In setting menu, select “Select language” and press M button to enter into selected option. Users can use and buttons to select the language you need and press M to confirm selected option.

System information
In setting menu, select “System information” and press M button to enter into selected option. You may see information about this player: Corp. Name, product model, master chip, software edition, local disk capacity and insert card.

Time set
In setting menu, select “ Time set” and press M button to enter into selected option. Users can use and for adapting time; long press V.O.L. button to select adapting options and press M button to confirm selected option.

Automatic shut-off time

5. Music playback
1. Short press and to select “Music play” menu in the main menu; short press M to enter into media center. In the media center interface, there are all the music, artist, album, title, my favorite, recording files, list, media center upgrade. Select with and buttons; press M button to enter, then select the song you want to play and press M button to play music.
2. In the state of music playing, long press M button for 2 seconds to enter into repeat mode, then the icon “A” of the repeater mode will be displayed in the lower side of the screen to confirm it as the start point of the repeat content, then long press M for 2 seconds, “B” come out; to confirm it as the end of the repeat content. Here the repeat icon A-B is fixed; start to play the content between A and B again and again. Press M button for 2 seconds to cancel the repeat of A-B.
3. During the music playback, press V.O.L. button to activate the color exchange of volume, then press and to adjust the volume.
4. During playing, short press M button to pop up the setting menu: repeat setting, playing setting, Microsoft audio effect, audio effect setting, my audio effect setting, screen display and wallpaper selection.

1. Repeat setting
A single song once: Stop after playing this song.
B Single song cycle: Cycle playing the selected single song.
C Total songs once: Play all the songs only once.
D Full cycle: Cycle playing all the songs.
E Audition: View all the songs played in the file, every one for 10 seconds (after finishing audition, change into full cycle mode)
2. Playback setting
The users can set sequential playing and random access.
3. Microsoft audio effect
The player has 3D, scale boundon, volume equilibrium for selection by users.

4. Select audio effect
Users can set 8 kinds of EQ: normal/Microsoft audio effect/rock and roll/pops/semi classical/super bass/jazz/my audio.

5. My audio effect
Press \[ \text{[] \text{[} ]} \] to select frequency setting, then press VOL button, set plus by \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] buttons and press VOL button to confirm. Select “Confirm” and press \[ \text{[} \text{[} ]} \] button to confirm setting and exit or select “Cancel” and press \[ \text{[} \text{[} ]} \] button to cancel the setting and exit.

6. Screen display
Users can set: lyric/lyric frequency chart/lyric 3 kinds of display.
Notice: Save up the lyric with name same as the MP3 songs in the player. This can realize the lyric in phase displaying.
When there is lyric file of same name in the catalogue of the playing song, the player will display the lyric directly. A very small number of very special coding MP3/WAV audio files may be impossible to be played with this player. So please transform it with frequency diversion tool before copying it into this player.
APE song only support: The No.1, No.2, FAST congress edition of 3.95, 3.97, 3.98 and 3.99 editions.

6. Video playback
1. Short press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] to select “video playback” menu in the main menu, short press M button to enter into video file resource manager interface, short press M button again to start and confirm the selected video file to be played.
2. During video playing, press VOL button to activate the exchange color of the volume figures and press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] buttons to adjust the volume.
3. In the resource manager interface, short press M button to enter into files, press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] buttons to select the file to be played and then press M button to start playing.
4. During playing, short press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] buttons to select last song and next song; long press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] for fast forward and backward; push ON/OFF to \[ \text{[} \text{[} ]} \] position to pause the currently playing video, short press ESC to return back to last list.

Note 1: RM/RVMB videos only support the video file below 720*576, the bigger the file the longer the loading time for playing to take. If exceeds, it needs transformation.

Note 2: AVI only supports the video files below 800*480, the bigger the file the longer the loading time for playing to take. If exceeds, it needs transformation.

7. Photo browsing
1. Short press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] to select “photo browsing” menu in the main menu, short press M button to enter into photo file resource manager interface, short press M button again to confirm browsing the selected photo. In photo browsing, Press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] buttons to browse the photo files.
2. In the resource manager interface, short press M button to enter into the files, press \[ \text{[} \text{[} ]} \] and \[ \text{[} \text{[} ]} \] to select the file to be displayed, then short press M button to start to browse the selected photo. Short press ESC button to return to the last list.
3. During photo browsing, short press M button to display a menu: rotate to right side, rotate to left side, enlarge, shrink and slide for selection by users.

Note: Some few JPEG photo files used in APPLE computer system may be unable to be browsed in this player, please transform it with
12. Additional functions

1) Short press button to enter into setup menu, short press button to exit setup menu, long press button to exit setup menu.

2) To select display in setup menu, press M button to enter into display menu, then press M button to enter into setup menu.

3) To select display in setup menu, press M button to enter into display menu, then press M button to enter into setup menu.

13. Use USB and charge the battery

- To use USB function, the player has standard USB 2.0 connection
- To charge the battery, follow the instructions below:
  - Plug the USB cable into your computer's USB port
  - Connect the other end of the USB cable to the player
  - The charging indicator will light up, indicating that the battery is charging
  - Fully charged battery takes approximately 4 hours to charge

14. Firmware upgrade

1) Please refer to firmware download guide in the packaging for instructions on upgrading firmware.
2) To upgrade firmware, follow these steps:
   - Connect the player to your computer using the supplied USB cable
   - Open the firmware download guide
   - Follow the instructions to upgrade firmware

15. Recording files

- In recording files, press M button to enter recording menu, press M button to exit recording menu.
- In recording files, press M button to enter recording menu, press M button to exit recording menu.
- In recording files, press M button to enter recording menu, press M button to exit recording menu.
into secondary update interface or select “Cancel” to return back to last play list.

04. After entering into secondary firmware update interface, all buttons are shield. Installation menu at left side will show installation status.

05. The player will restart when displaying “Restart” in the left side menu. Wait until finishing installation.

Note: In process of installation, the player can’t be compulsorily shut off. If encounter with occasions of firmware being destroyed, player can’t be started or display random code after start-up, please change the name of firmware “RAMOS7W.RKS” into “SETUP.RKS”, press M button to connect the player with computer via USB cable and copy firmware into FLASH disk of the player, disconnect computer and the player will upgrade automatically.

15. Troubleshooting

• The player can’t be switched on.
  Check if battery is dead.
  Connect player with power adapter and check again.
  If still fail to switch on the player after being charged, please contact our sellers.

• No sound in headphones
  Check if the volume is set at value of zero.
  Check if headphone is properly connected.

• Serious noise
  Check if the earphone plug is clean. Dirt may result in noise.
  Check if the music file is corrupt. Try to determine by playing other music files. Corrupt file may result in serious noise or tone jump.

• Display random code
  Check if set the correct language options. Set language in (Setting) -> (Language).

• Cannot download documents
  Check if computer is properly connected with player.
  Check if there is storage space.
  Check if USB connecting line is damaged.

16. Technical specifications

<table>
<thead>
<tr>
<th>Connect with computers</th>
<th>High speed USB 2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>Flash memory 256 MB~8GB</td>
</tr>
<tr>
<td>Polymer battery</td>
<td></td>
</tr>
<tr>
<td>Power supply and play hours</td>
<td></td>
</tr>
<tr>
<td>Video playing hours: about 2~4 hours (headphone output)</td>
<td></td>
</tr>
<tr>
<td>Audio playing hours: about 8 hours (screen off for saving power, headphone output)</td>
<td></td>
</tr>
<tr>
<td>Voice recording</td>
<td></td>
</tr>
<tr>
<td>Sampling rate</td>
<td>8KHz/16KHz</td>
</tr>
<tr>
<td>MIC recording format</td>
<td>WAV (32K bps/64K bps)</td>
</tr>
<tr>
<td>Recording time</td>
<td>Up to 64 hours (1GB storage capacity)</td>
</tr>
<tr>
<td>Audio playing</td>
<td></td>
</tr>
<tr>
<td>Headphone maximum output</td>
<td>(L)10Mw+(R)10Mw (320hm)</td>
</tr>
<tr>
<td>MP3 bit rate</td>
<td>64K bps</td>
</tr>
<tr>
<td>WMA bit rate</td>
<td>64K bps</td>
</tr>
<tr>
<td>Frequency response</td>
<td>20Hz~20KHz</td>
</tr>
<tr>
<td>Signal to noise ratio</td>
<td>&gt; 90dB</td>
</tr>
<tr>
<td>Using temperature</td>
<td>-5~40 centigrade</td>
</tr>
<tr>
<td>Select language</td>
<td>Simple Chinese, English etc.</td>
</tr>
<tr>
<td>Operating system</td>
<td>Windows 2000/XP/Vista</td>
</tr>
</tbody>
</table>

*Our Company reserves the right for the improvement of the product. All specifications, features and photos are subject to change without notice!