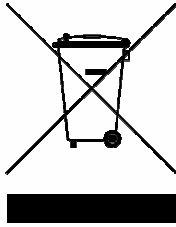




MP3 Player MP-540

User Manual

To ensure the smooth handling of your warranty please write the serial number of your device into the box. In the case of warranty you are expected to send it together with a copy of your invoice to your nearest TEAC sales representative.



Disposing of the Product

Your device should not be placed in municipal waste. Please check local regulations for disposal of electronic products.

- Changes in specifications and features may be made without notice or obligation.

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- Company and product names provided herein are trademarks of their respective companies.


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Cautions

- Do not subject the device to severe impact or drop it from high position.
- Do not use the player in extreme hot or cold, dusty or damp field. Do not expose it to direct sunshine.
- Back up the data frequently in case of accident data loss.
- Avoid using the player in strong magnetic field.
- Keep the device away from water or other liquids. In the event that water or other liquids enter the device, power off the product immediately, and clean the device.
- Do not use chemical solutions to clean the device in order to avoid corrosion. Clean it with a dry cloth.
- We are not responsible for damages or lost data caused by malfunction, misusing, repairing the device or battery replacement.
- Do not attempt to disassemble, repair or modify the product. This will invalidate guarantee.
- 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.

Notice

- Please charge the unit when any of the following cases occur:
 - The logo  appears and displays: low battery
 - The player turns off automatically, and turns off again after rebooting.
 - The keys become inactive
- Please disconnect the player from PC properly to avoid data loss.
- 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.

Key Features

- 2.8-inch 320x240 dot matrix color TFT display
- Touch screen
- MP3&WMA player
- Support APE/FLAC lossless music format
- AVI video player
- JPEG image viewer
- Folder navigation
- Voice recorder
- FM tuner
- FM encoding
- Removable storage device
- MicroSD card slot
- Built-in rechargeable lithium-ion battery
- Customized settings
- Built-in speaker

System Requirements

- Hardware:
IBM PC & Compatible PC, Notebook with USB interface
- Operating System: Windows ME, Windows2000/XP, Windows Vista

Package Content

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

- Main Unit
- Earphones
- USB cable
- Neck strap
- Basic Operation Manual
- User Manual (on CD)
- CD with Software


Before Using

Driver

This player is plug & play for WIN2000/XP/ME/Vista OS.


Connect to a PC and download audio files

To connect the player with the PC for transferring files:

1. Plug the larger end of the USB cable to the USB port of the PC, and plug the smaller end to the USB port of the player.
2. When the " " icon appears at the right bottom of the PC screen, double tap "My Computer" on the desktop, you see a removable disk which indicates the player. Just use the removable disk as a regular local disk, copying files from or to it.


Removing the player from the PC safely

For Windows2000/XP

1. Left tap the  icon at the right hand corner of the taskbar.
2. Tap the pop-up mini-window with message of "Safely Remove the USB Mass Storage Device – Drive (X:, Y:)" .
3. When you are prompted to remove the device, pull out the player.

Charging the battery

The device has a rechargeable built-in lithium-ion battery. It is charged via USB connection. You are required to charge it when you use it for the first time.

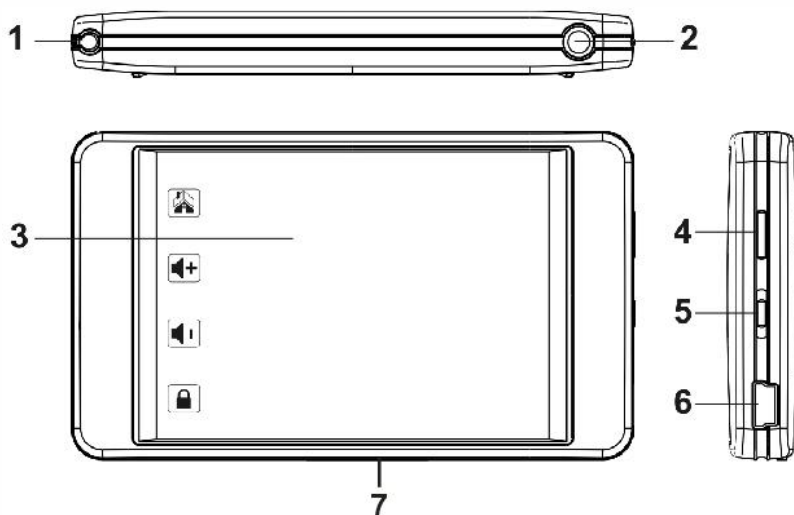
To charge the battery, connect the larger end of the USB cable to the USB interface of PC, and connect the other smaller end of the USB cable to the USB interface of this player. The device is connected to PC and being charged. If you want to know the charge progress, disconnect the device safely by tapping the  icon. You see an animating battery icon indicating charge progress. When the icon becomes green, the battery is fully charge. After disconnecting from the PC the player switches on automatically.

Notice: The device is not available during charging.

Note:

For maximum performance, lithium-ion batteries need to be used often. If you don't use the device often, be sure to recharge the battery at least once per month.

Keys Description



1 Pen

2 Earphone jack

3 Touch screen

4  Power on/off

5 Power switch (ON/OFF)


6 USB jack

7 MicroSD card slot


The icons on the touch screen are tapped with a pen.

Power On/Off

To power on:

1. Switch on the POWER button (5).
2. Press and hold the  key (4) until you see prompt on the display.

To power off:

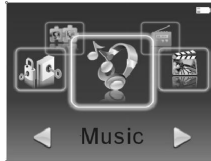
1. Press and hold the  key (4) until you see prompt on the display.
2. Switch off the POWER button (5).

Note:


This player has a power-saving feature which enables the device to power off automatically if it is idle for about 10 minutes.

Main Interface

After the player is switched on the main menu is activated. The icons on the touch screen are tapped with a pen.



In the main interface, tap ◀ or ▶ with the pen in the main interface to select the menus. After the desired sub-menu is displayed you have to tap into the middle of the graphic (not the text) to get into the respective menu.

It is possible to go back to the main menu by tapping on the  icon on the upper border of the left icon bar.


Audio playback





Select "Music" in the main menu, and tap the music icon to enter. The player starts playback automatically.



Operation on buttons

Tap "◀/▶" icon to select files. Keep on tapping the "◀/▶" icon to REW/FF.




Tap "▶" icon to start playback. Tap the icon again, it pauses, and the icon turns to .

Tap the  icon to A-B repeat. Tap  once to set the start point of the repeat section "A"; Tap  again, the end point B is set, and the player starts to repeat the section. Press "" button the third time to cancel A-B repeat.

Functions

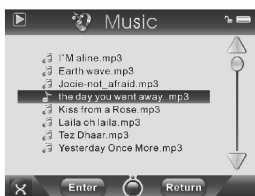
1. Adjust Volume






Tap the top of the  icon to increase the volume. Tap the bottom of it to decrease the volume. Volume can be changed also by tapping on the icons  and  on the left icon bar.

2. Play list

Tap the  icon to enter the audio file play list, the music will not stop.



Tap the top or bottom of the  icon to select the file or folder you want. Tap  icon to open the file or to enter the sub-folder; tap  icon to return to the previous folder or to return to the main menu.

3. Delete files

Select the file you want to delete and tap  icon to delete it.

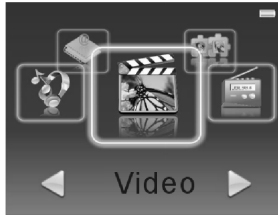
4. FF/REW

Keep on tapping the "" icon to REW/FF.

5. Lyrics Display

While playing music files, if there is a lyric file which has the same name with the music file, and is placed in the folder of the playing music file, the player will display the lyrics directly.

Video playback




Select "Video" by tapping the "◀/ ▶" icon in the main menu, and tap it to enter. The player enters the video file list first. (If the MicroSD card is inserted, the player will display two folders "T-Flash" and "Flash Memory". Select one and enter to operate".) If the two folders are not displayed you are able to move one folder level up by tapping on **Return**.



Operation on buttons



Tap the top or bottom of the  icon to select the file or the folder you want, and tap the **Enter** icon. Tap "**Return**" to return to the previous folder resp. to the main menu.

Functions





1. Playback/pause

While playing video files, tap the ► icon to pause. Tap it again to resume playback.


2. FF/REW

Keep on tapping the “◀◀/▶▶” icon to REW/FF.

3. Adjust Volume

Under video playback interface, tap “+” or  icon to increase the volume; tap “-” or  to decrease the volume.

4. Return

Under video playback interface, tap  icon to return to the play list.

5. Delete files

Select the file you want to delete and tap  icon to delete it.

FM tuner





Select "Radio" in the main interface, and tap it to enter.



Tap  icon to enter the FM sub-menu:

Functions

1. Searching for stations

Select "Manual", and keep on tapping it for 2 seconds, it enters the manual searching interface to search for the station manually. Keep on tapping "" icon to searching for stations from low or high frequency. There will be no voice while searching for stations. It will stop searching until it searched for the next station. Tap "" icon momentarily, the frequency will be decreased or increased 0.1MHz every time.

2. Preset stations

Enter the "Preset" menu, tap "" icon to select the preset stations.

3. Store stations

Select "Mem", and keep on tapping it for 2 seconds, it enters the saving interface. and then select the position of saving the station: CH1, CH2...Tap "Yes" and then select "Yes" or "No" to save or cancel.

4. Delete stations




Select "Del", and keep on tapping it for 2 seconds, it enters the deleting interface. Select the station you want to delete: CH1, CH2... and tap "Yes" to delete it.

5. Auto searching:




Select "Auto", and keep on tapping it for 2 seconds, it enters the auto-searching interface and starts to searching for stations automatically.



6. Adjust volume




Tap the top of the  icon or  to increase the volume. Tap the bottom of it or  to decrease the volume.


7. FM recording

Tap  icon to enter the FM recording interface. Tap it again it starts to recording. The  icon turns to .

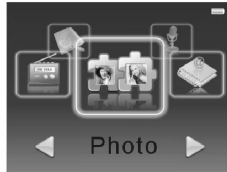
Tap  icon to pause, keep on tapping  to stop and save the recorded file.

Tap  icon to return to exit. If actually a record was made it is stopped and saved.

8. Return to the main menu

Tap  to return to the main menu.

Picture viewing






Select “Photo” in the main menu, and tap it to enter. The player enters the file list first.








Operation on buttons



Tap the top or the bottom of the  icon to select files. Tap  icon to open the file or folder; tap  icon to return to the main menu resp. to the previous folder.

Tap  icon to delete the file you selected.



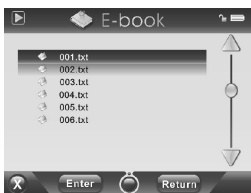
Tap the  icon to browse the pictures automatically. Tap “/” icon to select the picture you want and press the  button to display the picture in full screen. Tapping  brings you back to the file list. Tapping the  icon brings you back to the main menu.

Note: Some images may not be displayed. Try to use an image viewer (ACDSee for example) to convert them. See “Convert image file” for details.





E-book




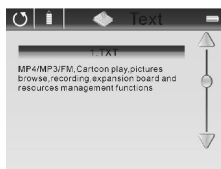
Select "Ebook" in the main menu, and tap it to enter. The player enters the file list first.





Operation on buttons

Tap the top or the bottom of the  icon to select files. Tap  to open the file or folder; tap  icon to return to the main menu resp. to the previous folder. Tap  icon to delete the file you selected.

While reading the e-book, tap the top or the bottom of the  icon to turn to the previous page or next page.

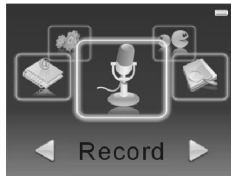


Tapping  brings you back to the file list. Tapping the  icon brings you back to the main menu.

Tap  icon to load a bookmark.

Keep on tapping  icon to save a bookmark.

Recording






Select "Record" in the main menu, and tap it to enter.



Operation

Tap  icon to start recording, the  icon turns to .

Tap  icon to pause, keep on tapping  to stop and save the recorded file.




Tap  icon to return to exit. If actually a record was made it is stopped and saved.

Explorer

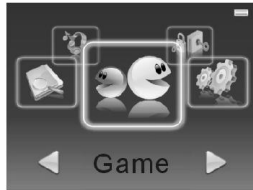


Select "Explorer" in the main menu, and tap it to enter. If the MicroSD card is inserted, the player will display two folders "T-Flash" and "Flash Memory". Select one and enter to operate". If the two folders are not displayed you are able to move one folder level up by tapping on **Return**. There list all of the files in the player.



Tap the top or the bottom of the  icon to select files or folders.
Tap **Enter** to playback or to open a folder.
Tap **Return** icon to return.
Tap  to delete the selected file.
Tapping the  icon brings you back to the main menu.



Game





Select "Game" in the main menu, and tap it to enter.




Operations

Shortly press the POWER ON/OFF button  to start the game. The icon  allows to stop and resume the game.

Tap  icon to exit.

Tap  and  icon to move left or right.

Tap  to rotate.

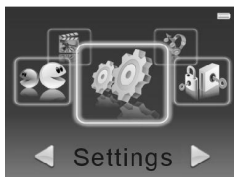
Tap  icon to move downward.




Tap  icon to fall down quickly.

Customizing Settings

To customize the player settings:

Select "Settings" in the main menu, and tap it to enter the setting interface.



Tap the top or the bottom of the  icon to select the desired setting. After selecting the corresponding setting, tap  icon to enter. Tap  icon to return to the previous menu.



Music	Repeat Mode	Once (Play current track once and then stop)
		Repeat One (Repeat current track)
		Folder Once (Play all audio files in the current folder and stop after playing)
		Folder Repeat (Repeat all audio files in the current folder)
		All Once (Play all audio files stored in the player and stop after playing all)
		All Repeat (Repeat all audio files stored in the player)
		Intro (Play the first 10 seconds of every audio file)
	Play Mode	Order (Play audio files in order)
		Shuffle (Play audio files randomly)
	EQ Select	Normal, 3D, Rock, Pop, Classical, Bass, Jazz, User EQ
User EQ Set (User-defined equalizer setting)	Use the pen to select a frequency bar. Tap ▲ or ▼ to perform settings and confirm it with Yes . Go to the EQ Select menu, and select User EQ to enable the equalizer setting.	
Radio	Stereo Switch (Enable or disable stereo effect)	On, Off
	FM Region	China, Europe, Japan, U.S.A.
Record	REC Quality	High Quality, Normal Quality
	REC Volume	+1, +2, +3, +4, +5



Display	Blight Time	5 seconds, 10 seconds, 15 seconds, 20 seconds, 30 seconds, Always On.
	Lum (Brightness)	Set the brightness of the screen between 1 and 5
	Backlight Mode	Normal Power Save (Turn off the screen when there is no activity within a certain time)
Auto Play Set	Text (Set interval between the previous and the next page when the device is in auto page up/down mode.)	
	Jpeg (Set interval between the previous and the next slide in auto slide show mode.)	
System	Language	Select language in which the on-screen text is displayed
	About	Information about the product
	Upgrade	Upgrade the firmware
PowerOff Time	OFF, 10 Minute, 15 Minute, 30 Minute, 60 Minute, 120 Minute (Set the continuous playing time before the player is turned off automatically.)	
Default Set	Restore the player to default setting	

MicroSD Card Slot

After connecting the player to the computer, you will find two portable devices. One is the built-in memory device and the other one is the device associated to the MicroSD card.

The player supports direct playing of songs/videos on MicroSD cards. Insert the card into the slot. The contacts have to be arranged in the direction of the screen.



To use a memory card:

1. Call the main menu (tap on the  icon on the upper border of the left icon bar).
2. Select **Explorer** and tap on the graphic.
3. In the folder browser mode, you see two folders named **Flash Memory** and **T-Flash**. To play the audio/video files stored on the memory card, access the **T-Flash** folder. Confirm with . Now you have access to the files on the memory card as usual.

To take out the card, push the card slightly into the case. After it is ejected partially you can take it out.

Note: Please don't insert in or take out when the player is powered on. Otherwise, it will cause file loss.

Lock function

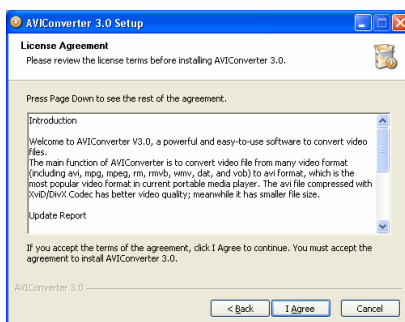
Tapping on  activate key locking. In music or voice play mode, or listening to FM radio, the screen will display a lock icon. To unlock the keys you have to tap on  again (the lock is shown unlocked).

Convert and Play Video Files (Windows Vista coming soon)

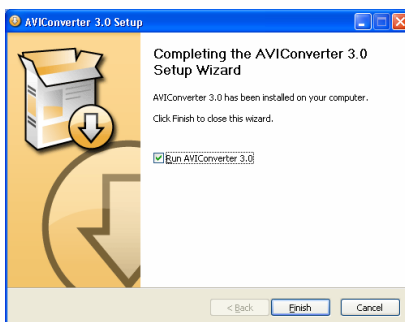
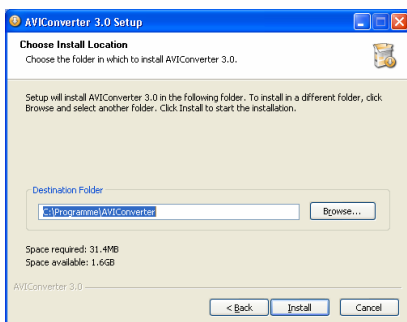
Before you download videos to the device, make sure they are AVI files and can be played by the device. If not, convert them using the included converting tool on the driver CD. The following steps show how to convert.

Install the AVI Converter

1. Insert the provided installation disk into the CD-ROM drive, select and run "AVIConverter Setup.exe" program, enter installation interface, then click [Next >] button to display as follows:
2. Click [I Agree].



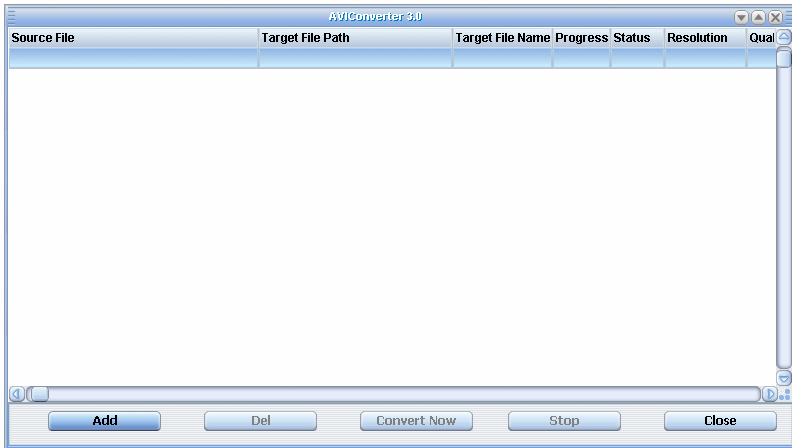
3. After selecting the installation routine, click [Install] button until the completion of installation.
4. After the installation, click [Finish] button to finish the software installation.



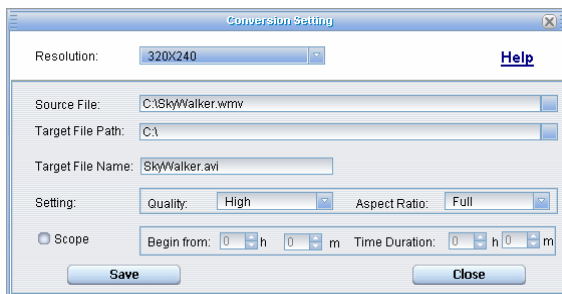
Conversion

You can convert the formats AVI, MPG, MPEG, RM, RMVB, WMV, DAT into AVI video format via the provided video convert software.

1. Run the “AVIConverter” program.

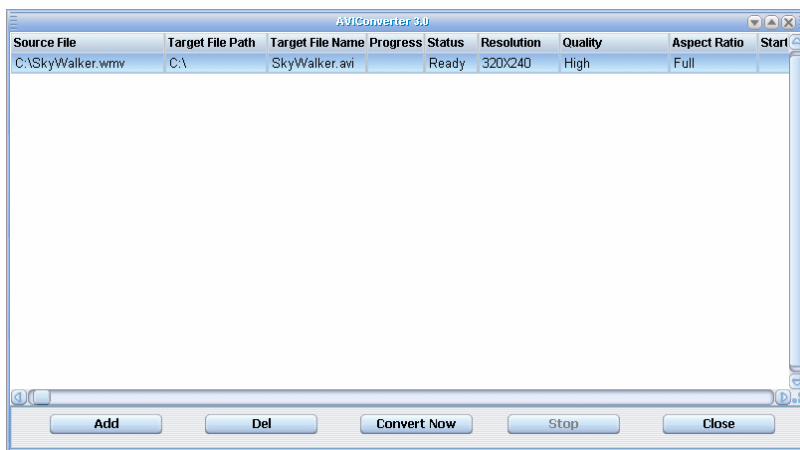


2. Click **Add** and select the input file. At this point, file name will not be changed except for the extension (.AVI). Information on both the Input and the Output file will be displayed in the window.

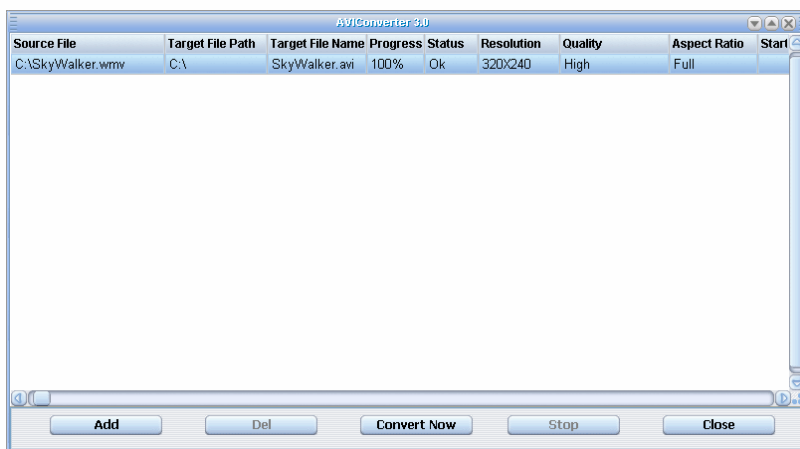


3. To save the Output File with a different name, type in desired name at “Target File Name”. Click **Save**, you can select other files. After finishing selecting, click **Close** to close this window.

4. Click **Convert Now** to convert entire file.



5. After finishing the conversion (Progress = 100%, Status = Ok), click **Close** to exit.



6. The successfully converted AVI video file can be played.

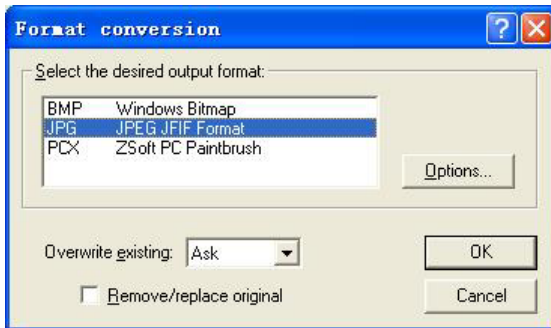
Converting Image File (Windows Vista coming soon)

Converting steps

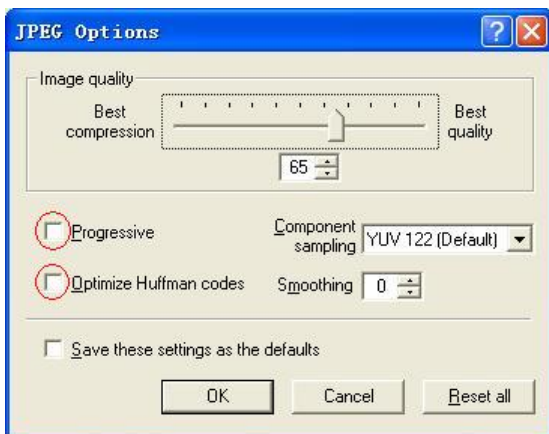
Run the ACDSee program, select the image that you want to convert, and click "Tool" → "Convert".



Select "JPG JPEG JFIF Format" and then click "Options".



Deselect the options circled in red and then press "OK" button to confirm.



Digital Rights Management File (DRM9) Protection

This player supports DRM9 file protection (WMA), to play DRM9 protected files:

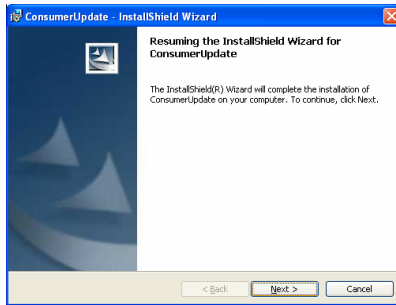
1. Download songs protected by DRM9 from relevant websites to your PC or notebook.
2. Open the downloaded files using Windows® Media Player. Follow the instructions from Windows® Media Player to play back the files.
3. Connect the player to PC or notebook by USB cable.
4. Copy the DRM9 protected songs to the player using Windows® Media Player. In Windows® Media Player use „Copy to CD or Device“ to copy the files to the MP3 Player.
5. Playback files on player as described in this User Manual.


Firmware Upgrade (Windows Vista coming soon)

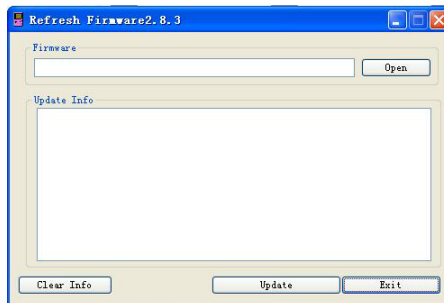
The firmware of player can be upgraded by the upgrade tool in the enclosed CD.

Operations:

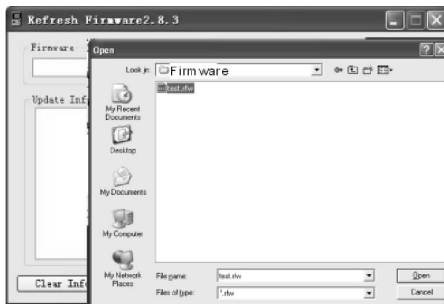
1. Run the ConsumerSetup2.4.0.exe in the enclosed CD.
2. Click "Next" as per the promotion on the dialog box. In the "browsing" option of the fourth dialog box, select the "upgrade tool" folder of the enclosed CD, and click "OK" to confirm.



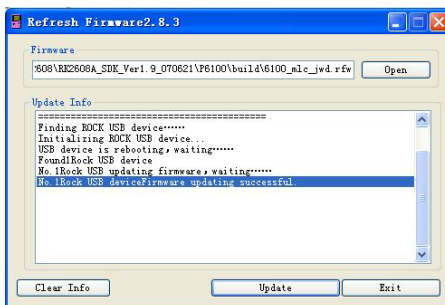
3. Push the power switch to the OFF position, press and hold the POWER ON/OFF button , and then connect the player to the PC via USB cable.
4. The PC displays "rock USB Device", and asks to install the driver. (If the driver is installed, this progress is skipped.)
5. Run the "Firmware Update" program that you just installed in the START menu.



6. Click "Open" and select the firmware.




7. Click "Start" to upgrade.



8. Disconnect the player and the PC after upgrading.

Troubleshooting

1. Failure to start/No response on buttons/Player freezes

- Check if the POWER SWITCH is on the position of “ON”, and check the power of battery;
- Push the power switch to the direction of OFF and push it to ON again. Press POWER ON/OFF button  to turn on the player.
- If it still fails to start after charge, please contact our customer service center.

2 No voice in the earphone

- Please check the volume is 0 or not;
- Please check the connection of the earphone.

3. Serious noise

- Please check whether the pin of the earphone is dirty or not, as the disorders could cause noise.
- Please check whether the music file is broken or not. You could try to play another music file. If the file is damaged, it could cause serious noise or pause.

4. Display clobber on the screen

- Please check whether the language is properly selected or not, and please enter **Setting\System\Language** to set the language.

5. Download file failure

- Be sure the connection between computer and player is properly arranged;
- Check whether the memory is used up or not;
- Check whether the USB cable is broken or not.

6. Do not support WMA format music

- The player does not support WMA format music files which bit rate lower than 64kbps.

Technical Specifications

Item	Specification
Capacity	The MP-540 is available with several different capacities. Please refer to the values on the packaging.
Battery Type	Rechargeable Lithium Battery
Battery Life	Up to 10 hours
LCD Display	2.8-inch TFT screen, Touch screen
Video Format	AVI (XviD/DivX)
Audio Format	MP3, WMA, DRM-WMA, DRM9
Photo Format	JPEG
USB Port	USB2.0
Operating Temperature	0°C+55°C
Storage Temperature	-20°C+55°C
Operational Relative Humidity	20% ~ 90% (40°C)
Storage Relative Humidity	20% ~ 93% (40°C)
Dimensions	92mm x 53mm x 11mm
Weight	84,2g

WARRANTY

Owner's name _____

Address _____

Dealer's name _____ Date of purchase _____

Dealer's address _____

Model

Serial Number

Warranty Period

TEAC Europe GmbH, hereinafter called TEAC, warrants this product against any defect in material and workmanship for two (2) years from the date of purchase by the original retail purchaser. According to the following terms this TEAC product will be repaired without charge of labor and materials by the authorized TEAC service stations, by the authorized TEAC dealers and/or their authorized service stations. TEAC, the authorized TEAC service stations, the authorized TEAC dealers and/or their authorized service stations may decide whether the defective product will be repaired or replaced as a whole or partially. The TEAC dependencies, the authorized TEAC service stations, the authorized TEAC dealers and/or their authorized service stations will also honor this warranty in the other EC and EFTA member states based on the terms in this warranty conditions.

What is Covered and What is Not Covered.

Except as specified below, this warranty covers any defects in materials and workmanship of this product. The following are not covered by the warranty:

1. Damage to or deterioration of the external cabinet.
2. Any unit that has been altered or on which the serial number has been defaced, modified, or removed.
3. Damage, deterioration or malfunction resulting from:
 - (a) accident, misuse, abuse or neglect;
 - (b) failure to follow instructions supplied with the product;
 - (c) any shipment of the product. Any damage arising of transportation is the liability of the freight company. Any damage arising of transportation and any implicit and explicit risks are the liability of the freight company. This is expressly not a liability of TEAC;
 - (d) repair or attempted repair by anyone not authorized by TEAC to repair this product;
 - (e) causes other than product defects, including lack of technical skill, competence or experience of the user. Especially damages which may arise of incidental use respectively by improper ventilation,
 - (f) damages caused by improper or incorrect installation of software,
 - (g) periodic check-ups,
 - (h) maintenance or adjustments to the product in order to conform to different national technical or safety standards of any country other than the one for which the product was originally designed and manufactured.

Who May Enforce the Warranty

This warranty may be enforced only by the original retail purchaser.

What We Will Pay For

We will pay all labor and material expenses for items covered by the warranty. Payment of shipping and insurance charge is discussed in the next section of this warranty.

How You Can Get Warranty Service

1. If your unit needs service during the warranty period, please contact the local authorized distributor for this product. If you are unable to locate such a distributor, please contact your TEAC facility at the address indicated below.
2. After identifying the nearest authorized service station for this product or any parts believed to be defective must be shipped freight and insurance prepaid to such service station, together with a copy of this warranty certificate and a copy of your sales receipt, showing the date of purchase. Please ensure to fill out the warranty certificate correctly (do not forget the serial number of the product). TEAC reserves the right to refuse the guarantee service if the documents are missing or incomplete in the understanding of this terms.

If the necessary repairs are covered by the warranty, and if you have sent the product or parts of it to the nearest authorized service station, the return freight and insurance charges will be prepaid.

Please do not return your unit to the TEAC factory without our prior authorization (see also RMA form)!

Limitations of Liability and Exclusion of Implied Warranties

Unless considered unenforceable or unlawful under the applicable national law:

1. TEAC's liability for any defective product is limited to repair or replacement of the product, at TEAC's option and the option of authorized service stations, authorized dealers and their authorized service stations. No one is authorized to assume any greater liability on TEAC's behalf. TEAC shall not be liable for any damage to any other properties independent of their virtual or real nature especially there is no liability for any damage to any kind of software and/or any kind of databases caused by TEAC products. Furthermore TEAC is not liable for damages arising out of loss of use, loss of revenue or profits, or any other damages, whether incidental, consequential, or otherwise.
 2. All implied warranties or conditions, including but not limited to warranties or conditions of merchantability and fitness for a particular purpose, hereby are excluded.
- These warranty terms do not affect any statutory rights of consumers which were granted by the respective national laws.

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