Acer MP400

User's Manual

Ver 1.0



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I Safety Declaration

- 1. Please carefully and thoroughly read this safety guide.
- 2. Please keep this manual secure for future reference.
- 3. Please keep the unit dry.
- 4. Please avoid exposing this unit to sunlight.
- 5. Don't pour any liquid into this unit, otherwise it will cause damage or electric shock.
- 6. Please contact with a professional for handling this MP400 Player if the following situations occur:
 - Liquid penetrates into this unit
 - The unit is affected by damp
 - The operation of this unit is not normal, or the user can't return to normal operational status by consulting this manual
 - The unit is dropped or is damaged
- 7. Please don't use MP400 Player in the following situations:
 - While driving a vehicle
 - Carrying out dangerous work
 - Walking on the street
 - Any situation that needs full concentration
- 8. Please don't use liquid or spraying agent to clean this unit. Please use soft, wet cloth to wipe this unit.
- 9. During listening with earphones, please adjust to suitable volume to avoid hearing from being damaged.
- 10. Note: Improper use of battery may cause explosion! Please correctly use the battery as per instruction stated in Section: Battery!
- 11. Don't throw used battery into the waste bin, it should be recycled.

II Product Description

Thank you for purchasing this Acer MP400 product. This kind of product is a high-performance portable multimedia recorder and player with Li-Polymer battery. With the use of Acer MP400 product, you can play video or music files with different formats, which will bring you outstanding visual and music experience. And you can record music and video signals. This kind of product is also portable USB storage equipment and you can store and manage your personal data.

1. Main Features

- Display Supports 3.5" TFT LCD large screen display. Clearly displays picture and video files.
- Video Play Supports the playing of video files with the formats of MPEG-4 SP, Xvid, and WMV-9 SP@ML.

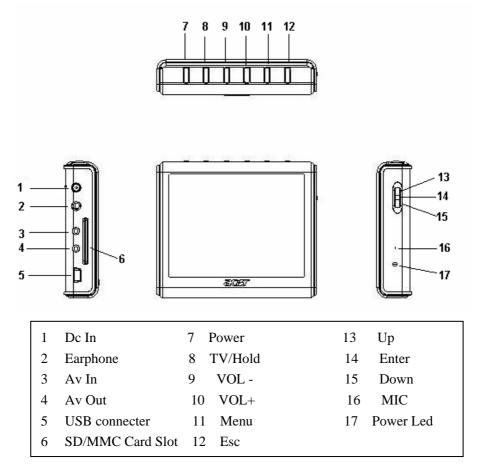
Due to constant changes and the variety of encoding and compression methods for different video file format, some of the video files downloaded from Internet may not be properly displayed on MP400. Even if the file follows "MPEG4" format, the file may still not be able to display by MP400 properly due to special format characteristics.

- Music Play Support the playing of music files with the formats of MP3 (MPEG1 Layer2, Layer3), and WMA (WMA 9).
- Lyric Synchronization Supports the synchronous display of sound and lyrics(Unicode)
- Image Viewing Supports the JPEG/BMP/GIF file format. You can copy images into the MP400 for viewing.
- Text File Reading Supports .txt (Unicode) text reading function (e-book function).
- Recording Supports the recording function of video、music and speech. You can use

the unit to record video, music signals from external sources.

- AV Input and Output Supports AV input function. You can enjoy television programs through the large screen of MP400. Also supports AV output function, and you can transfer video and music signals of the MP400 to external devices (such as television).
- USB 2.0 Interface Supports USB 2.0 High-Speed and Full-speed operation.
- SD/MMC Card Slot Supports Extended SD/MMC Card.
- Battery In-board chargeable Li-Polymer battery, which can repeatedly charge the battery.
- Video Format Conversion You can convert unplayable video files into playable format through video format conversion software.
- Multi-Languages –Supports many languages, including simplified Chinese, traditional Chinese, English, French, German, Italian, Dutch and Spanish
- Firmware upgrade Support firmware upgrade.

2. Button Location



3. Packaging / Accessories

Please confirm the packaging and accessories have the contents below:

- ✓ Acer MP400 Player
- ✓ User's Manual
- ✓ Power Adapter
- ✓ Installation CD
- ✓ AV Cable
- ✓ USB Cable
- ✓ Stereo earphones
- ✓ Pretection cover

4. Charging of Battery

This section includes: charging of battery, and the use of external power adapter.

4.1 Power Volume Indication

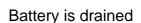




(_____

Battery is fully charged

Battery is partially drained



Note: If the power volume indication of battery shows only one block or is empty, it indicates the power supply is obviously lacking, please charge the battery.

4.2 Charging of Battery

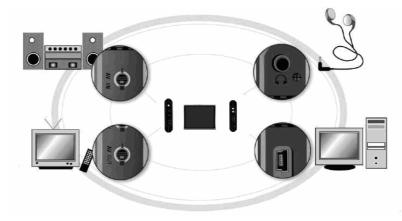
You can use the external power adapter to charge the battery. The charging can be performed when the power of MP400 Player is on or off. The detailed charging method is as follows:

- 1) Connect the power cable with the power adapter.
- 2) Insert the DC plugs of power adapter into the DC input port of MP400 Player.
- 3) Insert the power plug into the power socket.

4.3 Use of External Power Adapter

You can use external power adapter to supply directly power for MP400 Player. The operation method is the same with the battery charging method.

5. Connection of External Interface



- Connect Television for viewing Use AV cable to connect to AV out socket of MP400 Player and input socket of signal of television.
- Connect Television for Recording Connect the output socket of signal of television set and AV input socket of MP400 Player through AV cable.
- Connection of Music Device Insert the AV cable into the AV input socket of MP400 Player. Connect the music signal (left/right) of AV cable through "Y" type cable. Insert other end of Y type cable into the output socket of music device.

4) Connection of Computer

Use USB cable to connect the MP400 Player with computer, for data transfer.

5) Connection of Stereo Earphones Insert the stereo earphones into the corresponding socket of MP400 Player.

6. Installation of USB Driver

USB driver only needs to be installed for Windows98/se operation system. The installation steps are as follow:

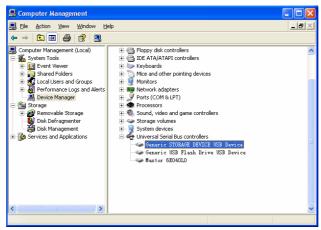
1) Insert the accessory CD into the CDROM and it will work automatically. The interface shows as follows.



2) Click <Install>, and finish the installation of the drive with clues. The restart of the computer is needed afterward.

Confirm the USB driver has been installed.

- 1) Turn on the power of MP400 and use USB cable to connect with computer.
- 2) Select [Control Panel / System / Device Manager]. The following interface is to be displayed;

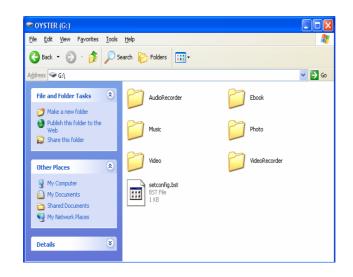


3) Select the Universal serial bus controllers and the installed USB driver will be displayed;

Note: If the USB driver hasn't been displayed as per the above, please uninstall the USB drive and reinstall it.

7. Disk Directory Management

 When the host machine is normally connected with the computer and the storage device such as SD/MMC card has inserted in the removable disk, the removable disk icon will be displayed in [windows explorer]. There are six directories, [video], [music]., [photo], [Ebook], [VideoRecorder] and [AudioRecorder];



Note: Please don't delete manually such default directories as [video], [music], [photo], [Ebook], [VideoRecorder] and [AudioRecorder] under the root directory of removable disk because the deletion of such directories will result in the abnormal operation of this product. If these directories above have been deleted unintentionally, please re-open these directories after this unit is shut off, and the MP400 Player will automatically establish such directories for you.

- 2) Please store these files into the corresponding directories as per their types.
 - Music directory:
 - Video directory:
 - Photo directory:
- :
- Video file Picture file

Music file

- Textbook directory: Electronic book
- Video Recorder directory:
 Music Recorder directory:
- Video record Music record

8. Safe Deletion from Computer

1) Select the icon of [plug and play device] in the task column, click right key and select [safely delete hardware];



- 2) Select the hardware device needing to be stopped, and click [Stop] button;
- 3) Select the drive needing to be stopped, and click [Confirm] button;
- 4) Click [Close] button to finish the entire operation;

Note: Abnormal interruption of the connection of this product with the computer may cause

damage to this product.

9. Power on / Power off

1) Power on: Hold down the power key for 3 seconds, and the screen will display the power on logo of Acer. It will enter into the interface of main menu.



2) Power off: Hold down power key for 3 seconds, and unit will turn off.

III Basic Functions

1. Main Menu

After the unit is turned on, the main interface will be displayed on the screen (as shown in the below figure). Several icons are displayed on the main interface: video, music, photo, e-book, record, files, resume and setup. Press three-direction key to select your desired functions (up, down), and press three-direction (Enter) key to confirm, and enter into the corresponding operational interface. Press TV/Hold key for long time to turn on the function of locking keyboard, and re-press TV/Hold key for long time to turn off the function of locking keyboard.



2. Video Play

1) Select video function on the main interface and press three-direction (enter) key to confirm, and enter into the interface of video file list.



2) Press "menu" key to call up the file operation menu. The detailed operation method is shown in the description in the file operation section.

/video	Desktop	
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8 REC-HID-0-002.ast	Сору	
0 REC-HICHO-002. asf	Move	
	Delete	
	Rename	10000
	Information	
	L	

- a. Desktop: Select "Desktop" to go back to the main interface.
- b. New, copy, move, delete and rename: Refer to file operation description.
- c. Information: Open or close the file information column.
- 3) In the video file list interface, use 'up" or "down" keys to select your desired video file and press "Enter" key to start play.
- 4) During the playback of video, you can perform the following operations:
 - a. Press 'Esc" key to stop playback and back to the video file list or long press "ESC" for 3 second to return to the main menu.
 - b. Press "VOL -" or "VOL +" keys to adjust the volume of video play.
 - c. Press "Enter" key to pause playback, and press "Enter" to resume playback.
 - d. Press "up" or "down" keys to play previous file or next file.
 - e. Press "up" or "down" keys and hold for over 2 seconds to rewind or fast forward and enable a search with the playtime/progress bar, release the key to resume playback.
 - f. During the playback of video, press "menu" key to display the icons of function menu.

|| |> (() |**()** (3)

(Pause, fast forward, rewind, next, previous, repeat mode, and ratio of width and height)

(Repeat mode: single repeat, repeat in directory)

4:3 6:9 😳 🖾 (Ratio of width and height: 4:3, 16:9, original dimension display, full

Note: Use "up" or "down" keys to select the menus above and use "Enter" key to confirm.

g. During selection of the functions of fast forward or rewind in the above menu, you can use "down" or "up" keys to change the rate of fast forward or rewind (X2, X4, X8, X16), and press "Enter" key to resume normal playback.

Note: The fast forward or rewind is performed while the video is playing. This function will help you to select precisely your desired playing position.

- h. This machine has an auto-recording function. If you quit while playing a video, the player will record the current position. When you want to start playing the video from where you stopped last time, you can select Resume in the main menu.
- 3. Music Enjoyment



1) Select "Music" function in the main interface and press "Enter" key to confirm, and to enter into the interface of music file list.



2) Press "menu" key to call up the menu of file operation, and the detailed operation method is stated in the description of file operation section.



- a. Desktop: Select "Desktop" and return to the main interface.
- b. New, copy, move, delete and rename: Refer to file operation description.
- c. Information: Open or close the file information column.
- 3) In the interface of music file list, use "up" or "down" keys to select music file, and press "Enter" key to confirm. Unit will enter into the music play interface, and start to play music.

Image: Second	64KBPS 44100HZ
l'm Outta Here!.wma	
00:00:31 / 00:03:	450

- 4) During music playback, you can perform the following operations:
 - a. Press "Esc" key to stop playback and return to file directory list or long press "ESC" for 3 second to return to the main menu.
 - b. Press "VOL -" or "VOL +" keys to adjust the volume of music playback.
 - c. Press "Enter" key once to pause the playback, and press "Enter" again to resume playback.
 - d. Press "up" or "down" keys to play previous file or next file.
 - e. Press "down" or "up" keys and hold for over 2 seconds to fast forward or rewind and enable a search with the playtime/progress bar. Release the key to resume playback.
- 5) During the Music playback period, press "menu" key to pop up the icon of music function menu:

📕 🍽 🛃 🔁 🖓 A=B ID3 EQ 🎜

(Pause, fast forward, rewind, previous, next, repeat mode, A-B repeat reading, ID3 information, EQ function, and background music)

(Repeat mode: Single repeat, repeat in directory, and random play)

Note: Use "down" or "up" keys to select the above menu, and use "Enter" key to confirm. Press "Esc" or "Menu" keys to resume normal playback.

- 6) During music playback period, the LRC file of lyric shall be Unicode encoding format, and the file name of lyric shall be in conformity with the file name of song.
- 7) Select background music playback from the above menu, and the music will continue to play on return to the upper level window.
- 8) This machine has an auto-recording function. If you quit while playing music, the player will record the current position. When you want to start playing the music from where you stopped last time, you can select Resume in the main menu.

4. View Photos



1) Select "photo" function in the main interface and press "Enter" key to confirm, and to enter into the interface of photo file list.



2) Press "menu" key to call up the file operation menu and the detailed operation method is shown in description of file operation section.



- a. Desktop: Select "Desktop" and return to the main interface.
- b. New, copy, move, delete and rename: Refer to file operation description.
- c. Information: Open or close the file information column.
- 3) In the interface of photo file list, use "up" or "down" keys to select picture file, and press "Enter" key to confirm, and start to view photos.
- 4) During photo viewing, you can perform the following operations:
 - a. Press "Esc" key to stop photo viewing and return to file directory list or long press "ESC" for 3 second to return to the main menu.
 - b. Press "up" or "down" keys to display the previous photo or next photo.
- 5) During photo viewing, press "menu" key to pop out the picture function menu:

(Next, previous, view mode, setup as background, left rotation 90°, right rotation 90°, zoom out, zoom in, picture display mode, nine pictures, background music)

(View mode: Slide display, pause of slide display)

4-PIC 3-PIC 1-PIC (Picture display mode: Four pictures, nine pictures, and one picture)

- a. You can use the above menu to open or close the slide function. You can setup the display interval of slide in the setup menu.
- b. Desktop Background: Select "setup as background" function in the above menu, and the current picture will be set as desktop background. In the MP400, the stored pictures can be set as desktop background by using such function.
- c. Under the condition that the picture is zoomed out, use "up", "down" keys to move the picture and press "Enter" key to exit the zoomed out status.
- d. Select Background Music in the above menu to change background music and continue to view the pictures.

Note: If you want to play picture and music synchronously, unit will first play music and select background music in the menu.

5. E-book Reading



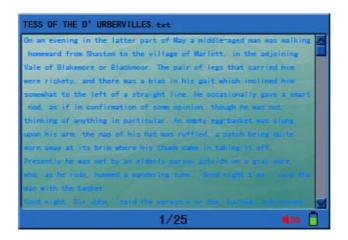
1) Select "E-book" function in the main interface and press "Enter" key to confirm, and to enter into the interface of E-book file list.

4	Ebook	
/	Ebook/	3
-		
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~	THE RETURN OF THE NATIVE txt	
~	EUGENIE: GRMDET. txt	
~	A MIDSUMER NIGHT' & OPEAN ext	
~	INNEET - SAN	9
	450	

2) Press "menu" key to call up the file operation menu and the detailed operation method is shown in the description of file operation section.



- a. Desktop: Select "Desktop" and return to the main interface.
- b. New, copy, move, delete and rename: Refer to file operation description.
- c. Information: Open or close the file information column.
- 3) In the E-book file list interface: Use "up" or "down" keys to select E-book, and press "Enter" key to open and display electronic book on the screen.



- 4) During the electronic book reading period, you can perform the following operations:
 - a. Press "up", "down" keys to page up and page down the viewing pages.
 - b. Press "Esc" key to quit electronic book reading and return to file list or long press "ESC" for 3 second to return to the main menu.

If the viewing pages of electronic book are over 10 pages, press "Esc" key to return to the display of the dialogue box "Save bookmark?" Selecting "yes" will save, and selecting "no" will not save bookmark.

5) During reading of electronic book, press "Menu" key to pop up the function menu.

ЫКЛ

(Previous file, next file, background music)

Select Background Music in the above menu to change background music (if the viewing pages are greater than 10 pages, the bookmark will be automatically saved).

Note: If you want to play the e-book and music synchronously, unit will first play music and select background music in the menu.

6) The supported file formats in the e-book are as follows: *.txt, and the file encoding is Unicode.

6. Viewing and Recording of External Programs



Before powering on this unit, please use AV cable to connect the AV input connector of MP400 Player, and AV output connector of A/V device, respectively.

- 1) Program Record:
 - a. In the main interface, select "Record" and press "Enter" key to confirm that it has entered into the recording interface.



- b. Select the "RecKind": "Video", "Audio" (only records music) with signal input, and speech (only recorded by microphone), and press "Enter" key to confirm.
- c. Select "Quality": HighQ, MediumQ, and LowQ, press "Enter" to confirm.
- d. Select "Start" ,press "Enter" to start recording and repress "Enter" to preview mode.
- e. Select "Preview": Only preview the input signal, but no recording.
- f. Select "Time", Use "up" or "down" to set timetable(year, month, day, hour, minute) and press "Enter" to confirm.
- g. Press "Esc" key to stop the recording, and close MP400 and remove AV cable or long press "ESC" for 3 second to return to the main menu.
- h. During recording, you can select "Preview" function (press "Enter" key) to stop the recording, but the playback function is still active at that time. Press "Enter" key to continue the recording. Such function will allow you to preview while nothing is being recorded.
- 2) Video Output Function:
 - a. Please use AV cable to connect the AV output connector of MP400 Player and AV input connector of A/V device, respectively, to enjoy the large-screen video and stereo music. (For the connection, please refer to the User's Manual of AV device).
 - b. Turn on the MP400 Player and TV or stereo music device, and set up the MP400 for normal video or music playback. Eventually press "TV/Hold" key (don't press it for a long time), the video will convert into TV display, and music will convert into stereo music device output. Pressing "TV/Hold" key again will stop AV output, and resume the display of MP400 Player.

Note: The setup of MP400 TV device shall be in conformity with the setup of TV during video output period. (The MP400 TV Setup is shown in setup menu, and TV Setup of TV is shown in User's Manual of TV device.)

7. File Operation



1) In the main interface, select "file" and press "Enter" key to confirm that unit has enter into the file directory list interface. You can store the data file or music or video files in storage device (such as SD/MMC card).



2) Use "up" or "down" key to select the file or folder you want to access, and then press "menu" key to call up the file operation menu.



- a. Desktop: Select "Desktop" and return to the main interface.
- b. View: Select "view" to enter into the selected directory. (if the folder is selected, such operation will appear in the menu).
- c. New Folder: Select "new" option. The name character list will appear after selection. Press "Menu" key to store after the folder is named, and the new folder is OK.
- d. Copy: Select the file or folder you want to copy, press "menu" key to call up the operation menu, select "copy" and press "Enter" key to confirm, then press "Menu" key under the objective directory to call up the operation menu, select "paste", the window "Do you paste?" will appear, selecting "YES" will start the pasting, and

selecting "NO", it will not paste. (If the file is selected, such operation will appear in the menu.)

- e. Move: Rest the cursor on the file or folder to be moved, press "Menu" key to call up operation menu, select "move", the hint "Do you move?" will appear at that time. Select "Yes", and press "Menu" key under the objective directory to call up operation menu. Select paste, the hint "Do you Paste?" will appear, then select "Yes" or "No".
- f. Paste: Used during the operations of copy and move.
- g. Delete: Rest the cursor on the file or folder to be deleted, press "Menu" key to call up operation menu, select "delete", and hint "Do you delete?" will appear at that time. Select "Yes" or "No".
- h. Rename: Rest the cursor on the file or folder to be renamed, press "Menu" key to call up operation menu, select "rename", and the name character list will appear at that time. Use direction key to select character, and the middle button of square key will confirm the input. Press "Menu" key to store name, and pressing "Esc" key will exit and will not perform rename operation.
- i. Information: Open or close file information column.

8. Setup Menu



1) Select "Setup" in the main interface, and press "Enter" key to confirm, and to enter system setup interface. Long press "ESC" for 3 second to return to the main menu.



- 2) System setup menu includes the following content:
 - a. Display: This menu setup item includes backlight brightness, text color, focus text color and focus color.

Backlight Brightness: To setup the backlight brightness: 10% (10% of full brightness), 20% (20% of full brightness)...100% (full brightness).

Text Color:Color of unhighlighted text. Color values from 001 to 255.Focus Text:Color of highlighted text. Color values from 001 to 255.Focus Color:Color of highlight bar. Color values from 001 to 255.

Setup		
100%		
252		
252		
252		

b. Power Setup: This menu setup item includes backlight setup and power off.
 Backlight Setup: No operation in non-working state, the player will automatic shut off of the LCD backlight.

 $0\sim$ 255 seconds are available, and 000 will disable this function (default 20 sec). Power Off: No operation in non-working state ,the player will automatic shut off. $0\sim$ 255 min are available, and 000 will disable this function(default 10 min).



c. System Setup: This menu setup item includes setups of language, TV Standard, system information and factory defaults.

Language: To setup the interface language as eight languages such as simplified Chinese, traditional Chinese, English, German, French, Italian, Spanish and Dutch. TV Standard: To setup the formats of television: PAL/NTSC.

System Information: To check the company information, production information, soft revision, remaining capacity.

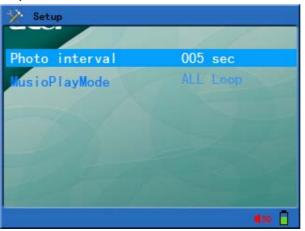
Factory Defaults: To reset to original factory settings.



d. Play Mode Setup: This menu setup item includes picture interval time and music playback mode.

Picture Interval Time: To setup automatic view interval of picture, $001 \sim 255$ seconds are available.

Music Play Mode: To setup music play mode, three modes such as random play, all loop, and single loop.



9. Firmware Upgrade

You can download the firmware with new revision, and you can upgrade this product through the following steps.

- 1) Visit homepage of Acer Company (Http://www.acer-euro.com) and download the latest firmware file of this product.
- 2) Connect this product with the computer through USB cable.
- 3) Copy the latest firmware file to the root directory in the removable disk of MP400 Player.
- 4) Normally disconnect the connection between this product and the USE cord of computer.
- 5) Restart this unit and the upgrade of this product will finish automatically.

Note: Please ensure the power capacity is enough before upgrade. If the power is interrupted during the upgrade process, this product may suffer serious damage. So, connect the power adapter before upgrade to ensure a continuous power supply.

IV Frequently Asked Questions and Solutions

This section will provide solutions for some common problems during the use of this product. Please read this section to see if it can resolve the existing problems. If they can't be resolved, please contact with customer service.

- 1. Question: The unit can't be turned on, and the LCD doesn't display any information. Answer: Please confirm if the battery needs to be charged.
- 2. Question: The keys don't work.

Answer: 1) Check if LCD will display "hold" message;

- 2) If the "hold" message is displayed, please press "TV/Hold" key for 2 seconds to turn off lock function.
- 3. Question: When selecting the television as output mode, the television picture shakes or the picture can't be normally displayed.

Answer: When using television to view, please firstly setup correctly the [tv standard]. (In China and Europe, please use [pal], and in Korea, please use [ntsc].

4. Question: Sudden power off

Answer: 1) Please check the [power off] setup in the [setup] of main menu interface;2) Please check if the battery power is low, if so it should be charged.

- 5. Question: LCD screen suddenly powers off Answer: Please check if "TV/Hold" key is pressed and screen conversion has begun.
- 6. Question: Doesn't play video, music and picture files.

Answer: 1) The file format shall be within the supporting scope of this product;

2) Please confirm if the file format belongs to the format supported by this product, and if the correct play mode is selected.

3) If the file format is not within the supported scope, please use the format conversion software to convert the file format into the supporting format.

7. Question: There is no sound, or volume is too low during the playback of video and music.

Answer: Please confirm if the volume is too low. Change the volume through the volume adjusting key.

- 8. Question: The image is too small during video playback or picture view.
 - Answer: 1) The image of recorded video file is too small.
 - 2) The self-dimension of picture file is too small.

V Product Specifications

	Category	Parameter Specifications
System	Built-in Storage	SD / MMC Card
-	File Management	Single file copy & paste, File/ Folder deletion,
	-	Rename and Folder Creation
	File System	FAT 16/32
User Interface	Key Definition	Power, TV/Hold, VOL+, VOL-, Menu, Esc,
		three-direction key(up, down, enter)
	Language	Multi-language Menu and Filename Display
	File View Mode	List View & Icon
Power Supply	Switching	AC 100-240V in, DC 5V, 2A output
	Adapter	
	Battery	Rechargeable Li-Polymer 3.7V/1200mAh
	Playback Time	Video: 4 hours, Music: 6.5 hours (average)
	Power Saving	Auto Power off, Screen saver
Display	Interface	3.5" TFT LCD
	Resolution	320×240 (RGB) Pixels
	Brightness	Backlight Adjustable
	View Angle	Up: 10deg, Down: 30deg
		Left: 45deg, Right: 45deg
AV Input /	Video	CVBS (PAL/NTSC)
Recording	Music	Line in Stereo
	Speech	Built-in Microphone
AV Output	Video	TV Line out (PAL/NTSC)
	Music	Line out Stereo
	Earphone	30mW, 320hm, 1 outlet
Firmware	DSP	System Auto Upgrade when Update File
Upgrade		available
USB 2.0	Device	USB 2.0 /USB 1.1 interface
		Operation System:
		Windows98/98SE/ME/2000/XP
		Mac OS 9.0 and Later
General	Dimensions	86.6×73.6×18.8 mm
	Weight	133.8g
	Operation	0°℃ to 40°℃
	Temperature	

Supported File Types And Functions

		File Type	Description
	MPEG-4(*.ASF, *.AVI) Video MPEG-4(*.MP4) Video XVID (*.AVI) WMV9 (*.WMV *.ASF) (*.WMV *.ASF) Music MP3 (*.MP3) WMA (*.WMA) WMA (*.WMA)		MPEG-4 Simple Profile 720*480 @ 30fps 2-channels MPEG-1 & 2 Layer3(MP3) Video Bit rate Up to 4Mbps
		MPEG-4(*.MP4)	MPEG-4 Simple Profile 720*480 @ 30fps 2-channels MPEG-4 AAC-LC Video Bit rate Up to 4Mbps
		XVID (*.AVI)	Up to 640*352 @ 30fps, MPEG-1&2 Layer III Video Bit rate Up to 3.5Mbps
Decoding		WMV9 (*.WMV or *.ASF)	WMV9 SP@ML 352*288 @ 30fps, WMA9
Docoding		MP3 (*.MP3)	MPEG-1&2 Layer III, sample rate up to 48KHz, Bit rate:24-320Kbps, CBR&VBR, 2-channels
		WMA (*.WMA)	WMA8/9 ,sample Rate up to 48KHz ,Bit rate :32-384Kbps,CBR , 2-channels
	JPEG (*.JPG)	JPEG (*.JPG)	Baseline YUV and Grayscale (No progressive) Up to 3264*2448 Pixels for HDD
	Image	GIF (*.GIF)	Static; Up to 1000*1000
	BMP (*.BMP)	Monchrome,8-bit Indexed-Color ,RGB ,RLE8 Up to 1400*1050	
	Video	ISO MPEG-4 (*.ASF)	320*240 @ 30 fps, MP3 Stereo
Encoding	Music	MP3 (*.MP3)	2 Channels : 16KHz ,32Kbps 24KHz , 64Kbps 32KHz , 96Kbps



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