



RMvisto3500

User Manual

Version 1.0



RM



MPEG-4
VIDEO

MP3
AUDIO
JPG
STILL IMAGE

480P / 720P
True Progressive
96kHz/24-bit
AUDIO DAC

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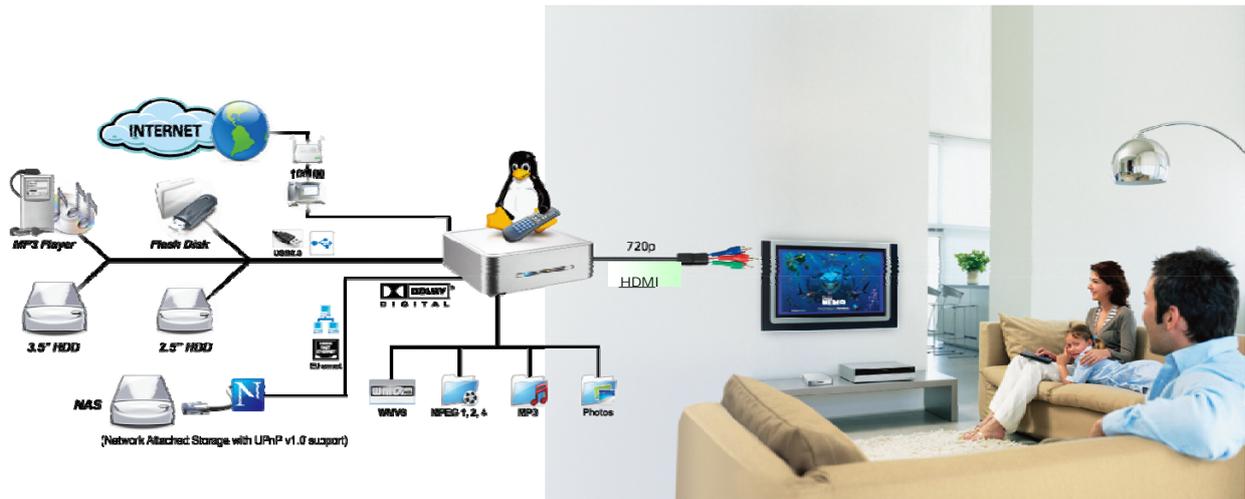
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RMVisto

Introduction

The RMvisto is a digital media player that can be connected to the TV and playback media files from USB drives, its internal hard drive, media cards and network folders, as well as record videos directly to its internal SATA hard drive. It supports high definition video playback (up to 720P), offers digital HDMI output and features both scheduled recording and time shifting.



Features

- Support RM/RMVB, Divx, XviD standard video and support HD video up to 720p
- Support HDMI, YPbPr, VGA and composite A/V output.
- Support USB host function to connect USB device. Support record and schedule record and time shifting.
- Support network playing
- Support firmware upgrading

Features Description

Video Features

Video formats supported RM, RMVB
MPEG-1 (AVI, MPG, DAT),
MPEG-2 (AVI, VOB),
MPEG-4(AVI, DivX, XviD).
H.264(720*576), MKV, ASF, FLV(Vp6)

HD Video formats supported (up to 720P)
XviD&DivX, WMV9, MPEG2-TS,

Video output port : NTSC/PAL
HDMI
AVI
YPbPr
VGA

Audio features

Audio formats supported: MP3, AC3
Audio Output Formats: Dual Stereo analog Digital

Photo features

Photo formats supported: JPG. BMP, PNG, GIF

Package Contents



- 01. RMVisto
- 02. Power adapter
- 03. Remote control
- 04. User manual
- 05. HDMI cable
- 06. AV composite cable
- 07. USB2.0 cable

Optional Accessories



- 08. YPbPr cable
- 09. VGA cable
- 10. Optical cable
- 11. Network cable

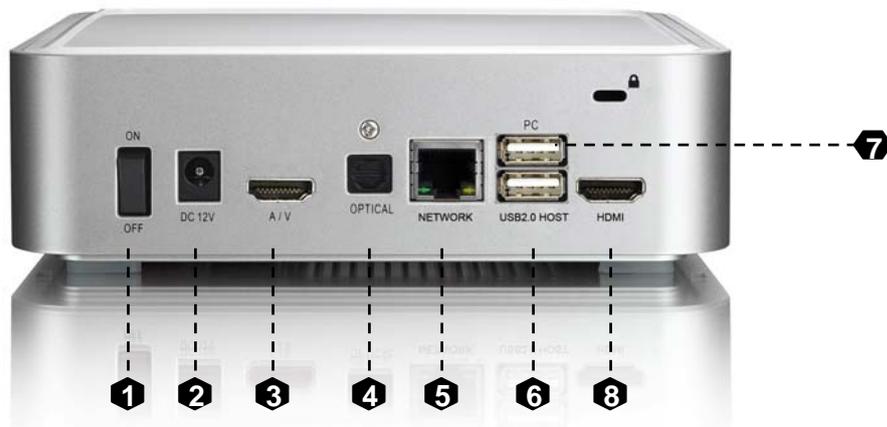
Detailed View



Front

LED Indication:

- Power LED: "RED"
- Network LED: "Orange", and lights up during data access through network.
- HDD LED: "Blue" lights up during data access
- Record LED: "Green"

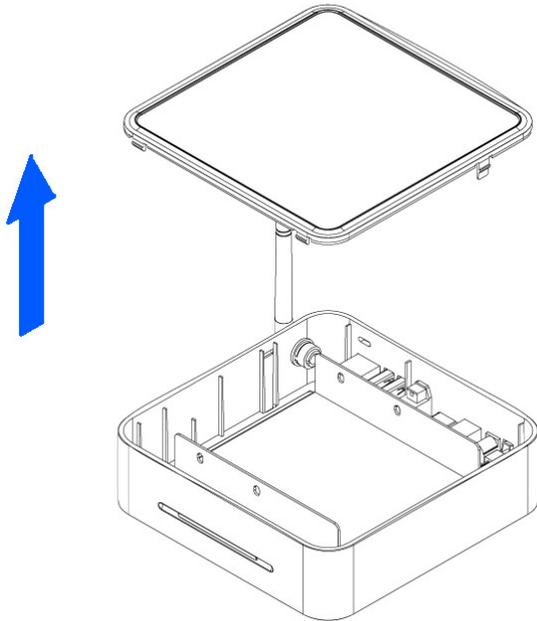


Rear:

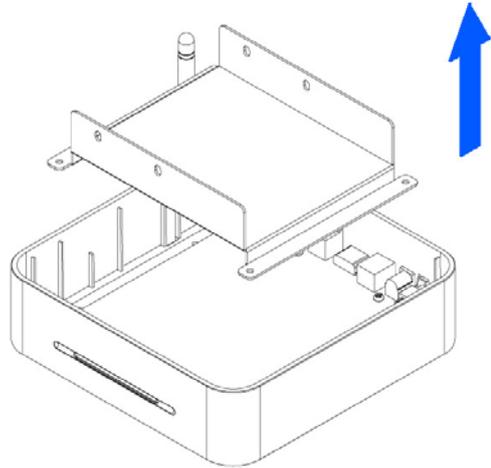
1. Power On/Off switch
2. Power receptacle
3. A/V output
YPbPr, VGA, A/V composite and analog audio output.
4. Optical audio output
5. Ethernet port
6. USB HOST port
7. USB 2.0 port
8. HDMI A/V output
HDMI HD audio/video Output (please contrast with 3 A/V output)

Hard Drive Assembly

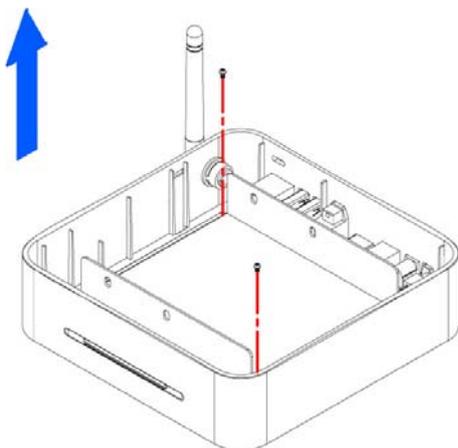
1. Lift the top cover off the body. If it's already locked in place, push it upwards with a thin and small item through the opening at the bottom.



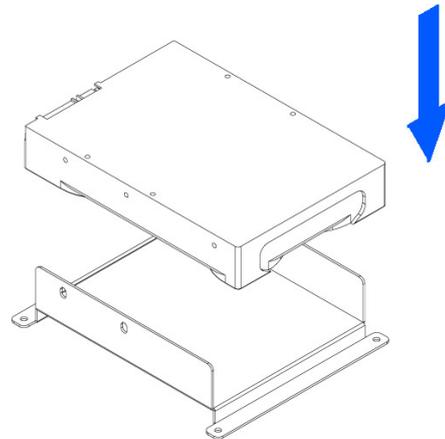
3. Lift the frame out of the plastic casing.



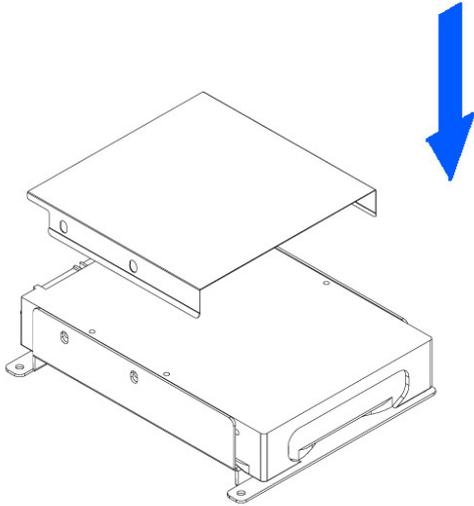
2. Remove the screws which are holding the aluminium frame in place.



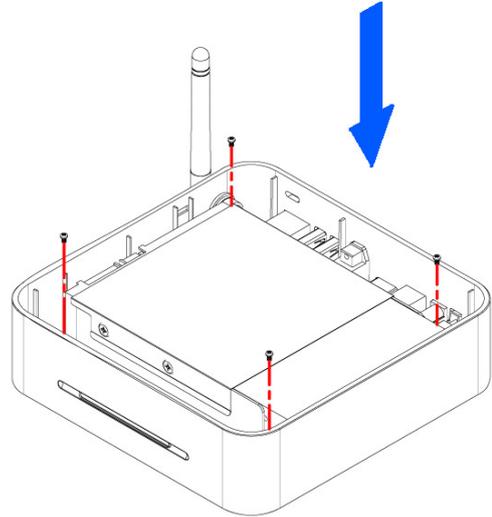
4. Align the screw threads of the hard drive with the holes in the framing and place it upside down in the frame.



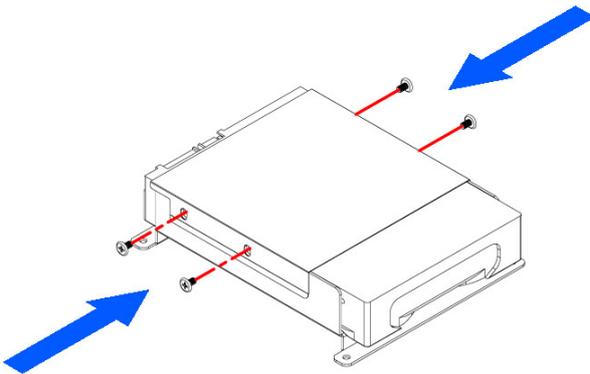
5. Place the metal sheet cover over the drive and align it with the holes of the framing.



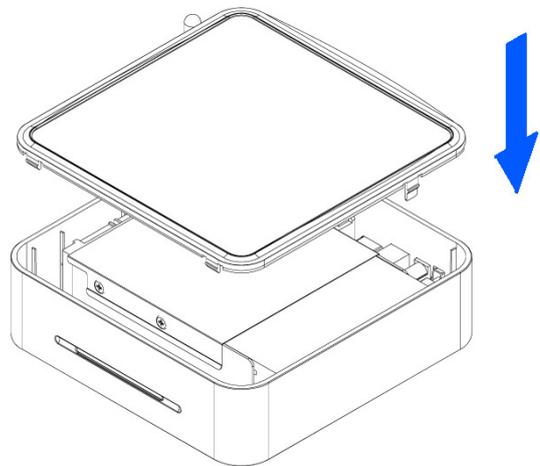
7. Place the assembled drive back in the plastic framing, connect the cables and mount it on the heat sink by fastening the screws.



6. Fasten the screws from the side.



8. Align the top cover with the body and push lightly into place.



Note: Be careful not to damage any cables or components during the installation!

Computer Connection

System setup

RMVistor automatically operates as an external USB 2.0 hard disk when connected to a PC or Macintosh. Use the included USB 2.0 cable to connect your device to the computer system. Your system will automatically recognize RMVistor as an external hard disk in which you can copy any file(s) you want (music, movie, picture, and/or data).

RMVistor is an external USB 2.0 hard disk device that can be connected to a variety of Operating Systems supporting the USB interface:

- Win98/SE (Install driver from CD first)
- Windows Me/2000/XP/Vista
- Mac OS9, OSX

In order to safely remove your RMVistor from your system, please follow the same procedures as for any Plug & Play external USB device. Specifically:

Double click on the taskbar icon to “Unplug or Eject hardware”. The adjacent dialogue box will appear, displaying the Plug & Play external devices. In the current example, you can see RMVistor as a USB Mass Storage Device.

In order to remove it, click the device in the list and then click Stop.



Click OK on the next dialogue box. The operating system will automatically stop the device and inform you for its safe removal. If you are using RMVistor (e.g. you are working on a Word document or a picture located in its disk), the operating system will notify you that it is unable to remove the device. In this case, close all the applications affecting or accessing RMVistor and try again.

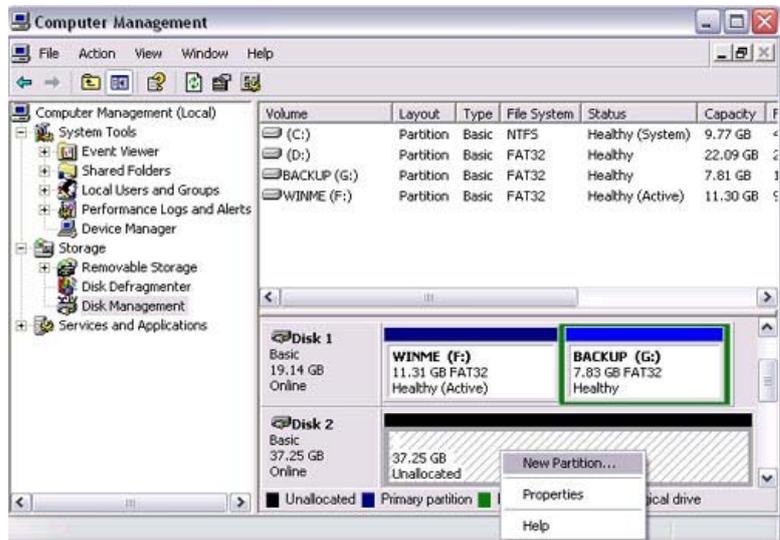


Formatting the HDD

Formatting on a PC (Win2000/XP/Vista)

Use the Disk Management Utility

- Right click on “My Computer” and choose “Manage”
- Select “Disk Management”
- Choose the drive you want to format and right click on the Disk or drive field for further commands
- Create a primary partition and format it
- Follow the Wizard instructions



You can also format RMVistor using FAT32 but this will have the limitation of max disk being 32GB and max file size being 4GB.

Note: To be able to use the RMVistor on all Operating Systems, you will need to use FAT32. To create one single disk over 32GB use the DOS command prompt and the “fdisk” command on Win98/SE or WinME.

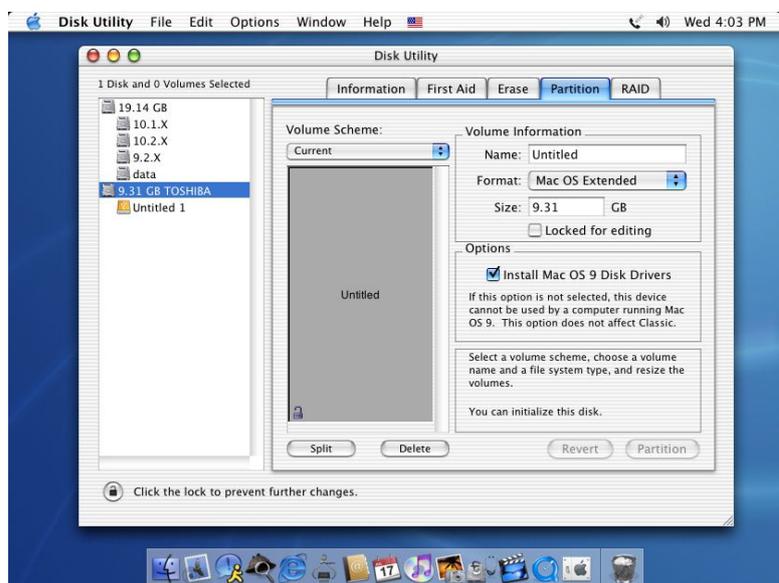
RMVistor supports three partition.

Formatting on a Mac (OS X)

Mac OS9.2 and earlier, do not support creation of partitions on an external drive. To do that, you will need to purchase additional 3rd party software, connect the drive to the internal IDE bus, or upgrade to OS X. Initializing the drive can be done on all Operating Systems.

For Mac OS X, use the Disk Utility to format and create partitions on your external disk.

- Select “Disk Utility” in the utilities folder
- Choose your external drive and format it according to your requirement. For Mac only, choose “Mac OS Extended”

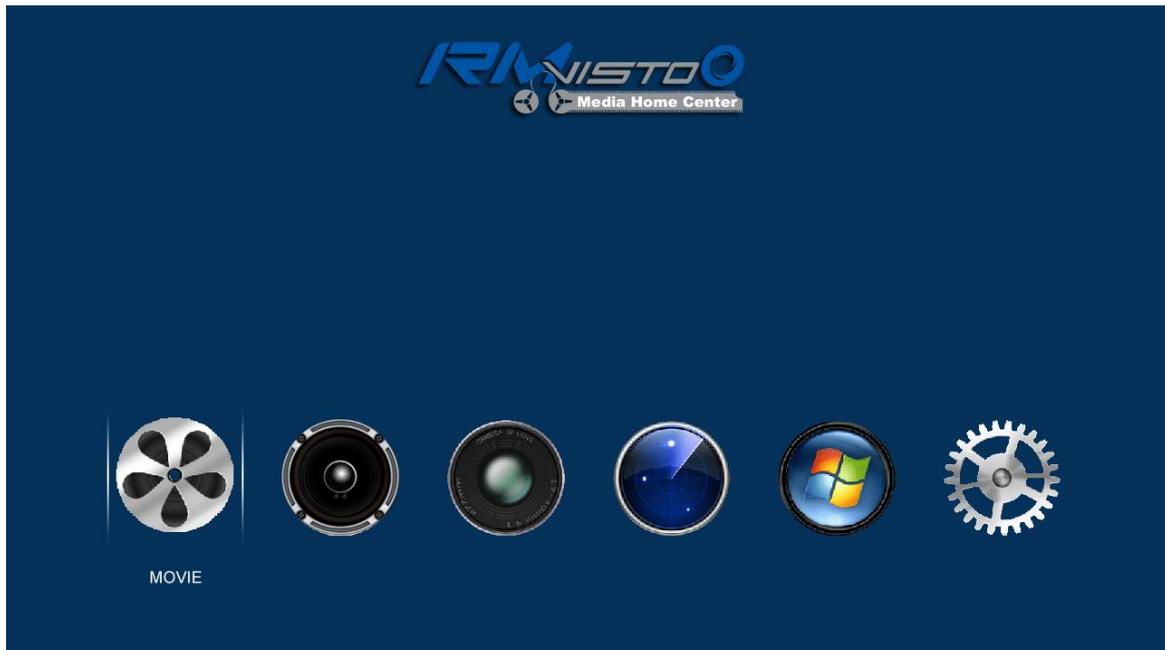


NOTE: To be able to use the RMVistor on all Operating Systems, you will need to use FAT32 (max file size limited to 4GB!). To create one single disk over 32GB, use the DOS command prompt and the “fdisk” command on Win98/SE or WinME.

TV Connection

RMVisto provides high quality video and audio output when connected to your TV set and audio system.

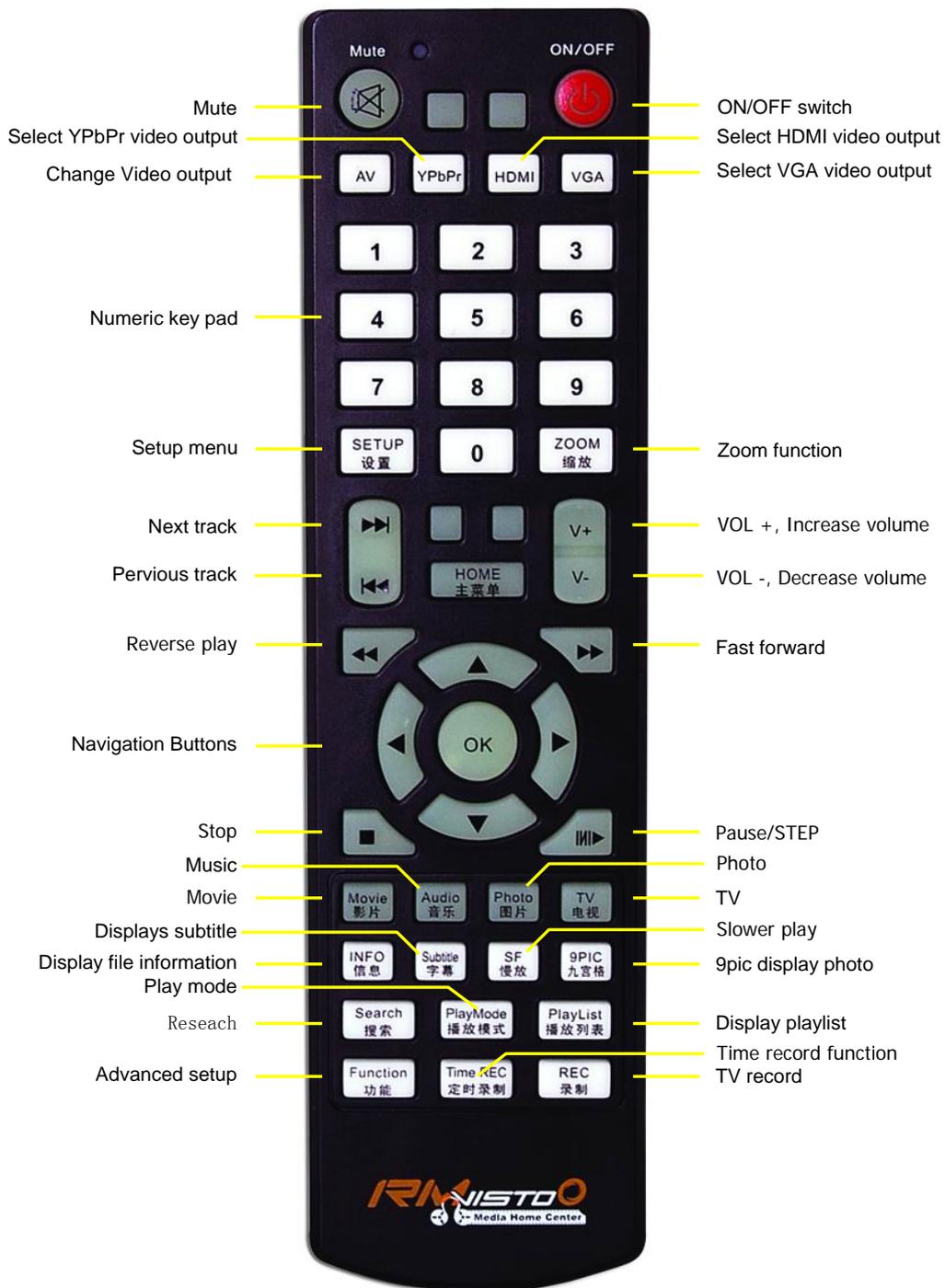
The TV connection is straightforward. Just connect RMVisto to your TV set (NTSC or PAL) using the included AV cable, plug the Power Supply adaptor to the DC jack on the RMVisto, and then into the electrical outlet.



Under TV mode, RMVisto support USB HUB function, you can connect USB device to play media files.

The Remote Control

The RMVisto remote has all the functional capabilities to fully control your device and enjoy your multimedia files. The next figure describes each button's function.



Menu Functionality

Main Menu

This is the menu (as shown in the adjacent figure) that appears when you power on your RMVisto device.

You have four (6) main selections that you can access with the navigation buttons and by pressing PLAY/ENTER:

- Movie
- Music
- Photo
- TV
- File
- Setup



Please have a look in the next paragraphs for a more detailed approach of these menus.

Movie

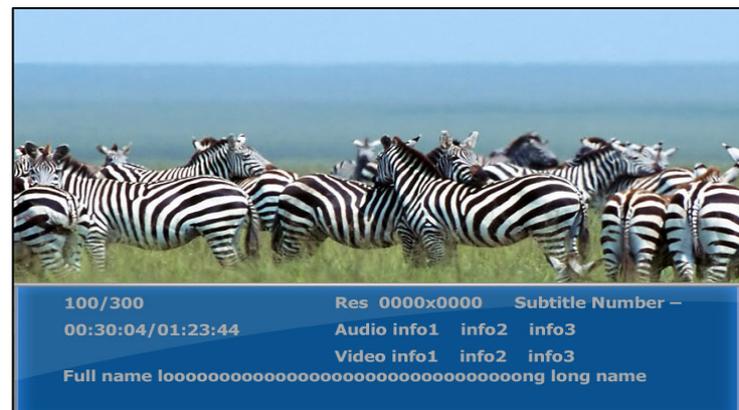
By selecting the Movies menu, you will see the adjacent image on your TV screen. System automatically display network Neighborhood, internal HDD and USB device icon.



By using the navigation buttons and the PLAY/ENTER of your remote you can select the specific movie and play it.

By using the Left/Right buttons to up/down the folder.

When movie plays, You can press the INFO button to display movies' detail information: resolution, file size, video format, audio format etc...



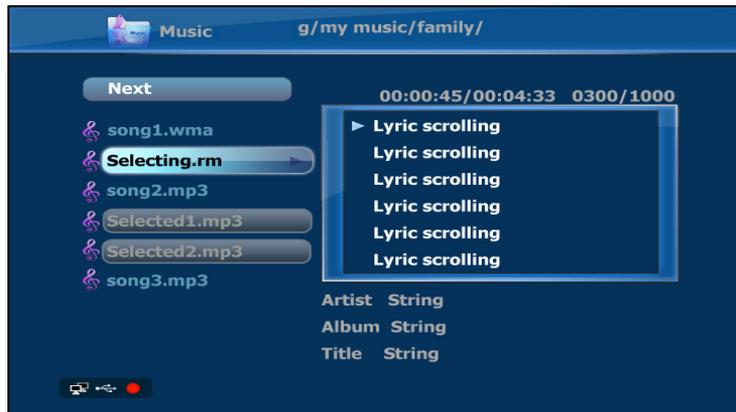
And when movie、music or photo play, press "Play Mode" button in the remote control, to change different play mode.

Music

By selecting the Music menu, you will see the adjacent image on your TV screen

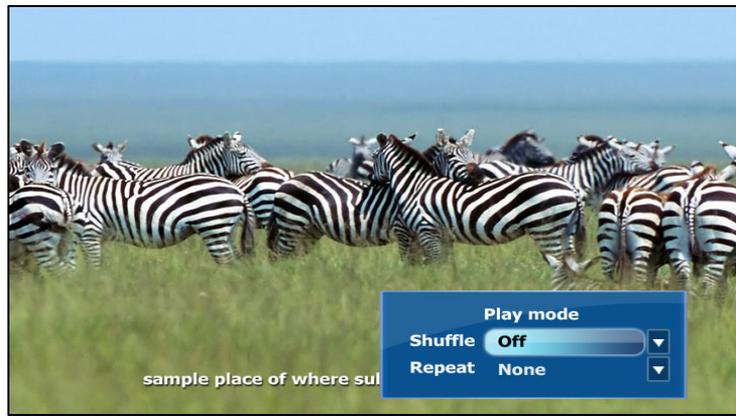
By using the navigation buttons and the PLAY/ENTER of your remote you can select the specific music and play it.

By using the Left/Right buttons to up/down the folder.



And when movie, music or photo play, press “Play Mode” button in the remote control, to change different play mode.

If you want to display song’s lyric (must be .lrc format), Please pay attention that in order for RMVisto to display the lyric, both “movie.avi” and “movie.lrc” should be placed in the same directory.



Photo

By selecting the Photo menu will bring the adjacent image onto your TV screen.

By using the navigation buttons and the PLAY/ENTER on your remote, you can select the digital picture you want to display.

By using the Left/Right buttons to remote the photo.



Background music

RMVisto support background music playing function. Please select “FILE” mode and select one song as background music, then select to view photo.

And when photo play, press “Play Mode” button in the remote control, to change different play mode.

File

选 By selecting the File menu will bring the adjacent image onto your TV screen. On the left side you will see the directory list of the files organized in your device's hard disk..

By using the navigation buttons and the PLAY/ENTER on your remote, you can select the File you want to display.



Play List

You can add your favourite movie, music or photo in playlist folder.

When browser move, music or photo, press right button in the remote control to open the file editing menu.

In this menu, you may select below more function:

Add to Playlist

Add current file to default play list. If there are more than one play list exist, need select one to add. This selection is only available when you select more than one file. Don't support directory yet.



Copy file

Firstly select some file in any directory, and go to destination directory, press "function" key and select paste. This selection is only available after you have selected any files in some directory. If you select two group files in different directory, only the latest group files will be copied.

9 PIC

Press "9-Pic" key in picture viewing will open 9-picture preview menu.



Setup Menu

The RMVisto Setup Menu is extremely important in order to correctly configure your device and benefit from its advanced features. In the following paragraphs, there are detailed descriptions of the various settings and parameters.



System setup

1. Language

RMVisto support English, Simplified Chinese, Traditional Chinese.

2. Slideshow time

Select picture slide show time

3. Current time

Setup current system data/ time.

4. Firmware Update

Search firmware update package and popup firmware update menu, please refer to Firmware update chapter.



Video setup

1. TV System

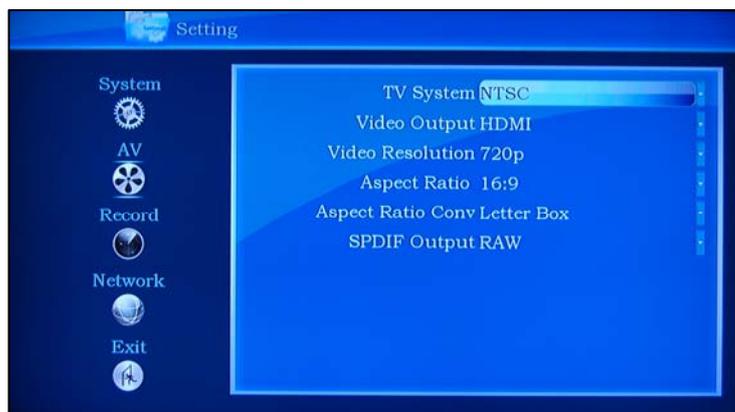
Select video output system type: NTSC, PAL

2. Video Output

Set video output mode: CVBS, S-Video, Component, HDMI
Select the corresponding video output mode depending on your current connection. Instead of the setup menu and when the current screen is not visible, press the AV button on your remote control until you see the correct output.

3. Video Resolution

Set the Video resolution, depending on your display and video output mode. RMVisto support resolution up to 720P.



4. Aspect Ratio

Set the TV aspect ratio, depending on your display and preferences.

- Zoom:: For standard 4:3 displays (full screen but cuts off the sides for widescreen films).
- Letter Box: For standard 4:3 displays (adds black bars on top and bottom for widescreen films).
- 16:9: For 16:9 widescreen displays (full screen).

5. SPDIF output

Set SPDIF output: None, PCM, RAW

Recording setup

1. Video input

Select video input: CVBS, S-VIDEO

2. Recording Quality

RMVisto support recording quality:

720 x 480

352 x 480

352 x 240

The higher the recording quality, the larger the resulting video file will be and the sooner the storage space will be used up. HQ produces the best quality, whereas SLP creates the smallest file.



3. REC Device

Define the target device where the recorded videos are to be stored.

4. Recording Format

set default recording file type: AVI, MP4

5. Recording Video

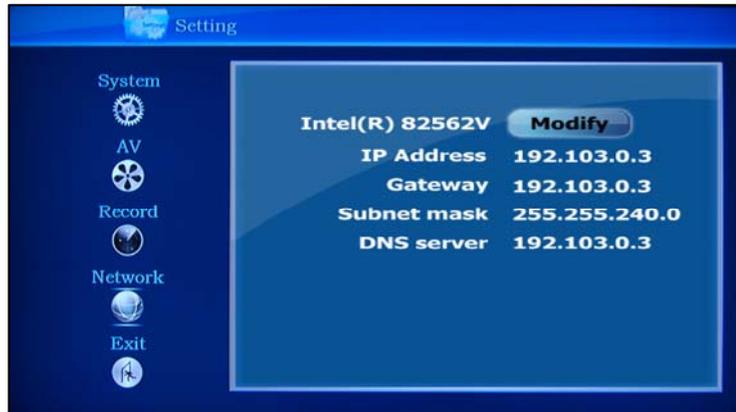
set default video encoding format: MPEG4, VC1, MJPEG

6. Recording Audio

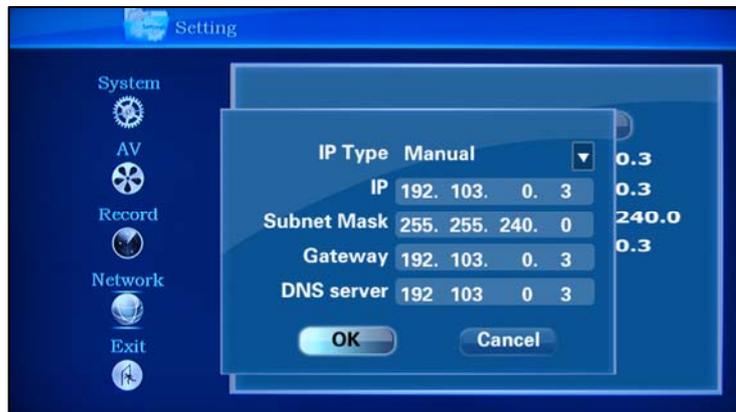
set default audio encoding format: AAC, MP3

Network

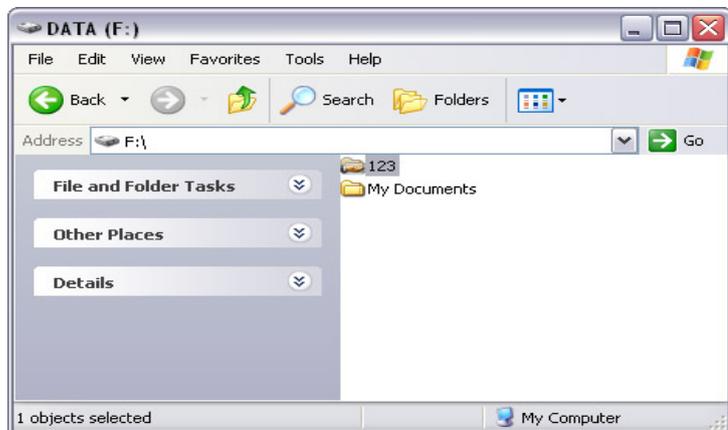
Setup network connection for network playback.



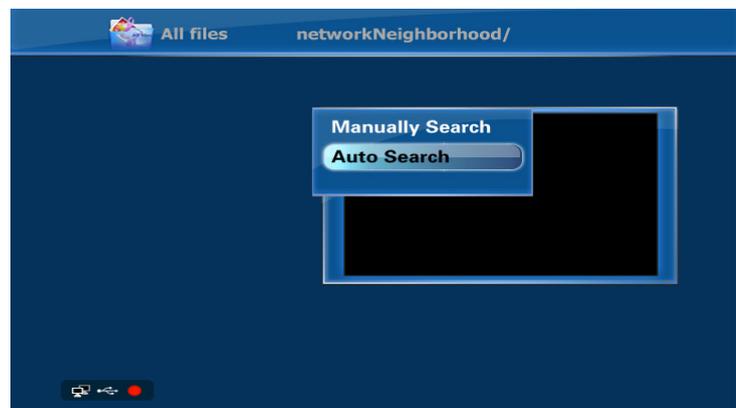
Choose DHCP to get the IP address automatically from the DHCP server or set the IP address Manually



User can look through, copy or play streams on network neighborhoods through RMVisto platform, and also can visit RMVisto platform from Windows.



Pressing the right key can popup the network operation menu in folder networkNeighborood, and then user can choose to search the network neighborhood manually or automatically. If manual search is chosen, both IP address and computer name are available.



Recording

Standard Record

RMVisto support video recording function.

First, Select the TV from the main screen

When TV program displays, Press the REC button on the remote control. The RMVisto start to recordIn the TV program



You can press the Function button to setup more recording function. Such as: record target, hdd capacity and recording quality etc.



Schedule Recording

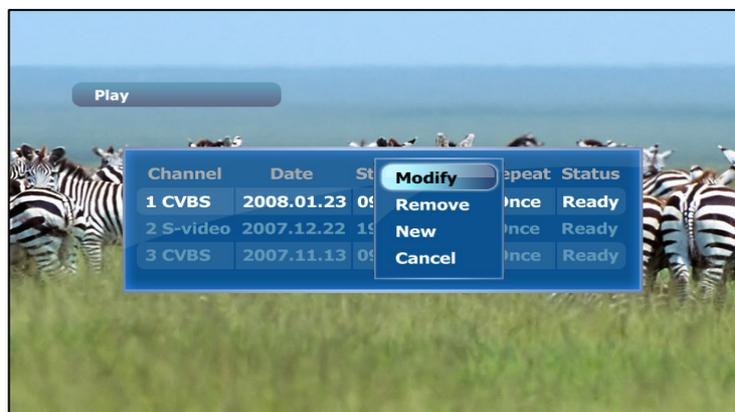
RMVisto support video schedule recording function.

First, Select the TV from the main screen

Press the TIME REC button on the remote control. In the Edit category, select Add a new schedule and press the Enter button.

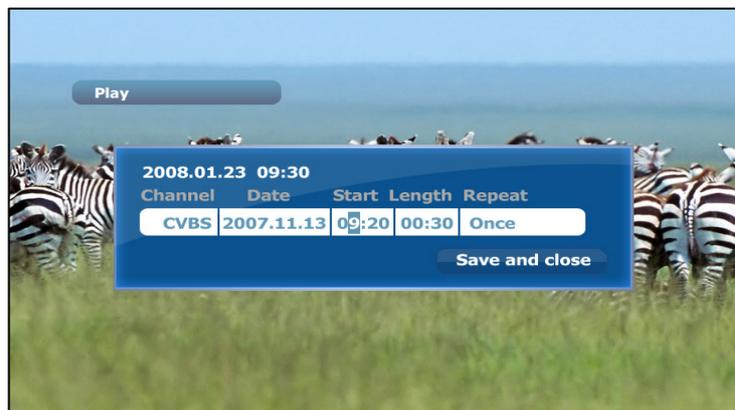


Select Modify or New will show the schedule recording edition menu



And you can use remote control to input the starting time and finishing time

The device is the destination where the recorded files will be stored and Quality will determine the video quality and bit rate. Refer to the Rec category in the Setup menu for more details.



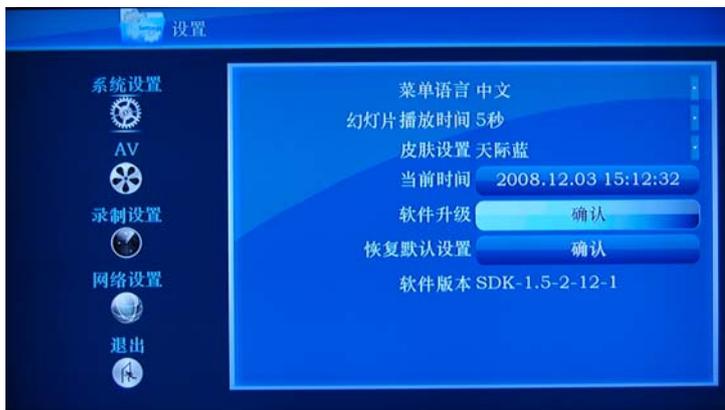
Press Enter once all settings have been adjusted. Select Confirm to add the new settings to the schedule. The new schedule is now listed and the status set to Ready.

Appendix

Firmware update

You will be able to upgrade your device with new features and capabilities by following the firmware¹ upgrade procedure:

- Get the latest update from web site.
- Connect RMVisto to your computer and copy the firmware file to the RMVisto HDD..
- Connect RMVisto to the TV
- Choose “SETUP” and select “Firmware Upgrade”



- Wait a few minutes for the new firmware to be updated.
- **Never disconnect or turn off your unit before the firmware has been completely updated!!**



- Turn off RMVisto by disconnecting the power supply, wait a few seconds, and then connect the power supply again. Wait a few seconds and your RMVisto will appear.
- Done!

¹ Firmware is the software stored in RMVisto Flash memory that contains the programs running in your device. These programs remain stored even when the system is switched off.

Specifications

Supported music files	MP3, WMA, AAC, OGG
Available audio outputs	Stereo analogue audio, digital audio
Supported video files	RM, RMVB MPEG-1 (AVI, MPG, DAT, ASF), MPEG-2 (AVI, VOB) MPEG-4 (AVI, DivX, XviD, ASF, MKV). H.264(720*576), FLV(Vp6) HD720P:DivX&XviD, MPEG2-TS, WMV9
Available Video outputs	NTSC/PAL composite YPbPr VGA HDMI(up to 720P)
Available video outputs	JPG/BMP/ PNG/GIF
Supported video subtitles	SRT (SubRIP format)
Recording Function	Recording quality: 720 x 480 352 x 480 352 x 240 Recording format : .AVI, .MP4, ASF Video codec : MPEG4, VC1, MJPEG Audio codec : AAC, MP3
Input ports	USB 2.0
	AV multimedia calbe: <ul style="list-style-type: none"> • Composite RCA, stereo left/right RCA, • YPbPr Video, stereo left/right RCA , • HDMI • VGA
Input ports	USB 2.0
	USB 2.0 host for USB HDD or card reader Ethernet 10/100M connection for video streaming IR @ 38KHz
Supported HDD	Internal 2.5" or 3.5" SATA HDD (20GB ~ 1.5TB)
Supported file systems	FAT32, NTFS
Power Supply	AC: 100-240V, 0.4A, 50-60Hz DC: 12V, 3A
Size	16.5cm x 16.5cm x 5.2cm
Weight	1.0kg
Operating Temperature/Humidity)	0 C to 40 C / 10% to 90%
Storage Temperature/Humidity	10 C to 30 C / 10% to 90%

FAQs

Q: Can I connect the AV out from my TV directly to the AV in on the RMVisto and record?

A: Yes, this is possible, however the media player does not have a built in TV tuner, so it can only record whatever signal is currently being transmitted. If you change the TV channel, the recorded channel will change accordingly and if the TV is turned off, it will not be possible to record anything.

Q: Why is there no sound?

A: Make sure the cables are connected correctly, mute is disabled and that the audio format is supported. If you are using the digital audio output via SPDIF or HDMI cable, go to the Audio category in the Setup menu and select the corresponding output.

Q: I can not see anything on my TV screen but the media player is connected and turned on!

A: If the device is connected correctly and turned on but there is no output, we recommend first removing the power supply and reconnecting it. If after 2 minutes there is still no signal, press the TV System button on the remote control to change the video output until you see the main screen.

Q: What are external SRT subtitles?

A: External SRT subtitles are text files that contain subtitles to an AVI video. They can be used to display subtitles without the need to re-encode the video to embed them. The text file has to be in the so called SubRIP format (SRT), it has to be renamed using the same file name and stored in the same folder as the video. During playback of the AVI file, the Subtitle button on the remote control can be used to turn the subtitle on or disable it. Make sure the Text Encoding in the setup menu matches the subtitle.

Q: Why my some movie can not be displayed??

A: Please confirm the resolution of the movie. Too high resolution to be supported. Such as RM/RMVB format up to 720 x 576; HD movie up to 720P(1280 x 720), MKV format up to 720 x 576.

Q: I can not find any shared folders when browsing the network, what do I do?

A: First of all, go to the Network category in the setup menu and make sure the settings are correct and the device has acquired an IP address. Second, make sure the shared folders are on the same local network as the media player and the folders are accessible and not blocked by a firewall. If this has been done already, restart both the media player and the device or computer where the folder is being shared. If even this does not help, go to "My Shortcuts" instead and add the remote folder manually, by typing in the IP address and the corresponding login details.

Q: Can I watch a video and record at the same time?

A: Yes, this is possible although for optimal performance, it is recommend only doing one at the time.

Q: When I connected one portable hard disk to RMVISTO, Why can not see it in browse?

A: External USB device need use FAT32 format. And if need, please use external power supply to USB device.

Q: Why are some of the settings in the setup menu disabled?

A: During recording, certain functions are disabled. Stop recording and then access the setup menu again.

About this manual

This manual covers all versions and combinations for the RMVisto media adapter. Images, descriptions and firmware functions may slightly vary between this manual and the actual product you have.

Visit our website at www.datastorage.com.cn for the latest firmware upgrades and download this manual in PDF format.

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