

HDD PLAYER

User Manual



RF305TV-P

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1. Introduction

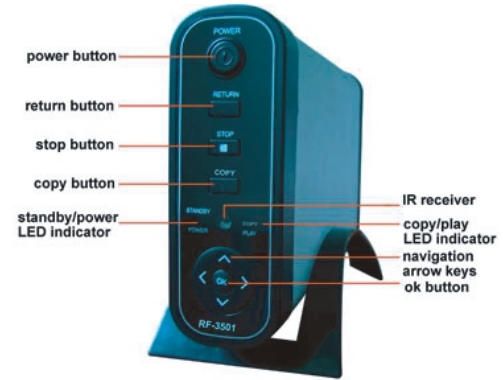
1.1 Feature list

- Support RM, RMVB playback (up to 600kbps data stream)
- Support high capacity SATA Hard Disk Drive (HDD)
- Support USB drive/HDD
- File sharing (COPY) between HDD and USB, or between HDD and HDD. (OTG digital companion feature)
- Support NTFS and/or FAT 32 format
- Support intelligent software upgrade
- Support file filtering
- 720p high definition video output
- Support HDD capacity from 20GB to 500GB
- Support USB host 2.0
- Support : MPEG4/VOB/DivX/RM/RMVB/AVI/DAT/MP3/JPEG/TIFF/BMP/VCD/WMA
- PAL/NTSC
- Audio playback : support Mp3, WMA etc
- Support 720*480, 1024*576P high definition file decoding
- Analog audio output/stereo output
- Support USB2.0 data rate 480MB/s
- Support OSD languages : English/Chinese
- Full function remote control unit
- Support file sharing with external storage devices (HDD, USB drive, memory cards etc)
- Supported OS : Windows 98/98SE/2000/ME/XP, Mac OS and Linux
- Sleek aluminium alloy case

1.2 Specifications

- * Storage media : 3.5" SATA HDD
- * Video output : YPbPr/CVBS
- * Audio output : Stereo
- * Card reader port : N/A
- * USB port : USB2.0 OTG
- * Supported OS : Windows 98/98SE/ME/2000/XP, Mac OS, Linux
- * Power : 100-240V AC input, 12V/5V, 2A DC output
- * Dimensions : 224*45*126 (L*W*H) mm

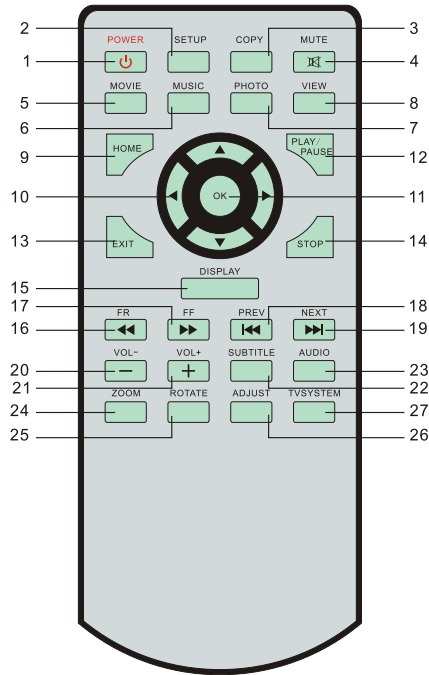
1.3 Outlook



- A. Y-Pb-Pr : Digital video output port
- B. Power : DC power input port
- C. USB power : additional power source when mini usb port is insufficient to drive an external USB device.
- D. Video output : CVBS video output
- E. Audio output : Left Right channel audio output
- F. USB 2.0 OTG : mini USB port, connect to PC for file copy, connect to USB drive or digital camera to realize OTG function
- G. Power button : Turn ON/OFF the device
- H. Return/Stop/
Copy buttons : Function keys
- I. Power LED : Power status indicator
- J. IR receiver : Remote control IR signal receiving window
- K. Copy/Play LED : operating status indicator
- L. Navigation keys : 4 way navigation keys
- M. OK button : confirmation

1.4 Remote control

Here below list some commonly used hot keys and all other function keys of the remote control unit.



1. **POWER:** Turn ON/OFF the device
2. **SETUP:** Enter setup menu
3. **COPY:** hot key for copying files from USB drive to the device's HDD
4. **MUTE:** Turn ON/OFF the device's audio output
5. **MOVIE:** hot key to directly enter movie playback
6. **MUSIC:** hot key to directly enter music playback list menu
7. **PHOTO:** hot key to directly enter photo playback
8. **VIEW:** hot key to directly enter photo browse menu
9. **HOME:** hot key to return to main menu
10. **NAVIGATION KEYS:** 4 directional (LEFT, RIGHT, UP, DOWN) keys selection
11. **OK:** confirmation on selected item/action
12. **PLAY/PAUSE:** Play, pause or resume play
13. **EXIT:** go back to the previous/ upper level menu
14. **STOP:** stop playing
15. **DISPLAY:** to display playback control menu during playback, or display file operation menu after pressing RIGHT key on selected file from file list menu
16. **FR:** Fast Rewind
17. **FF:** Fast Forward
18. **PREV:** Immediate previous chapter
19. **NEXT:** Immediate next chapter
20. **VOL-:** Audio volume decrease
21. **VOL+:** Audio volume increase
22. **SUBTITLE:** Turn ON/OFF subtitle display, subtitle file name should be the same as movie file name
23. **AUDIO:** switch between movie audio channels
24. **ZOOM:** Enlarge picture, to a maximum of 16 times magnification, use NAVIGATION keys to move around the zoomed picture
25. **ROTATE:** rotate the picture by 90° · 180° · 270°
26. **ADJUST:** choose among different movie playback modes
27. **TV SYSTEM:** select TV output modes (PAL/NTSC)

1.5 Accessories and Safety guidelines

Accessories :

USB 2.0 cable (for PC), USB 2.0 cable (for USB drive), AV cord, YPbPr cord, AC adaptor, user manual, CD

Safety Guidelines :

We strongly recommend you read below safety guidelines before first installation of this device.

- * Do not expose the device to liquid, moisture, rain, to avoid electrical short circuit or causing a fire.
- * Keep away from heat sources, excessive dust or mechanical vibration or shock.
- * Use only supplied AC adaptor, use of other AC adaptors may damage this device.
- * HDD is a very delicate device, even minor vibration or shock may damage it, handle with care and do not drop the device.
- * Keep away from magnetic sources which may affect the information on the HDD of the device.
- * Do not use harsh chemicals or detergents to clean the device.
- * In case of failure, take it to a qualified service technician/agent when repair work is required.
- Before installing a HDD into the device, we strongly recommend you backup the HDD data to another safe place, we do not hold liability to any damages or loss of HDD data during HDD installation process.
- Do not disconnect power during movie, music or photo playback, accidental power failure may cause data loss or device hang-up.
- User can open this device and install a HDD inside. (Caution : do not damage the PCBA and let water go into the device.)
- We strongly recommend to unplug AC adaptor when this device is not for use for a long time.

2. Use the device for the first time

2.1 Installation and formatting HDD

Skip this chapter if the device you purchased come with a HDD inside, otherwise follow the procedures below .

- Step 1 : Put the device on a flat surface.
Step 2 : Unscrew 2 round screws on the back cabinet, and detach the back cabinet.
Step 3 : Install a HDD into the correct position inside the device, cover the back cabinet and fasten screws.

Formatting a HDD : a new purchase HDD may not be used directly, it must be formatted using a PC before it can be used. The following HDD formatting procedures are illustrated under Windows 2000 and Windows XP operating systems.

1. Follow the procedures in previous chapter to install a HDD inside the device.
2. Turn on the device, make sure it is successfully started up.
3. When PC finds a new storage device, right click mouse to select "My Computer" -> select "Manage" -> select "Storage" -> select "Disk Management". PC will detect an unformatted HDD.
4. Right click on this newly detected unformatted HDD, select "Create new disk partition", a dialogue box of "Create new disk partition wizard" will appear,click"NEXT".
5. In "Select partition type" dialogue box, select "Extended disk partition", click "NEXT".
6. In "Assign partition size" dialogue box, set partition size as"maximum disk capacity",only one partition,click"NEXT".
7. Assign disk drive number and click "NEXT".
8. Click "Finish" to go back to "Disk Management" menu
9. Right click on the disk to select "Create new logical drive", click "NEXT".
10. In "select partition type" dialogue box, select "logical drive", click "NEXT".

11. In “Assign partition size” dialogue box, select partition size as “maximum disk capacity”, click “NEXT”.
12. Assign disk drive number and click “NEXT”.
13. In “Format partition” dialogue box, select “Format” or “Do not Format”, If you select “Format”, set “File System” to “FAT32”, click “NEXT”.
14. Click “Finish” to go back to “Disk Management” menu, if you select “Format” in the previous step, disk formatting starts. If you select “Do not format” in the previous step, you can right click on the disk to select “Format” to enter formatting process now. Upon successful formatting process, the new HDD can now be used.

Note : This device supports HDD with single partition or multiple partition, HDD format can be either NTFS or FAT32. Only “read” operation is allowed under NTFS format, you have to make sure at least one partition is FAT32, otherwise, file copy to HDD will cause error. With HDD capacity over 30GB, use supplied PQMagic software (come with a CD) to do HDD partition and format.

2.2 Plug in AC adaptor

Use only supplied AC adaptor.

2.3 Turn ON the device

Press “POWER” button, power LED lights up, operating system starts until the device comes ready.

2.4 Turn OFF the device

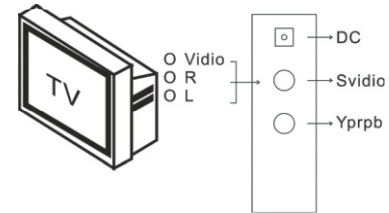
Press “POWER” button on front panel or on remote control to shut down the device.

2.5 Audio/Video output

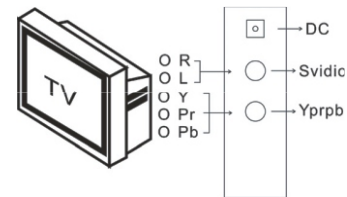
- Connect AV cord from the device to TV.
- Connect the DC end of the AC adaptor to the DC port of the device and the other end to the mains.
- Make sure TV is turn on and switch to AV mode.
- Turn on the device, it will take a few seconds for the device to complete initialization process.
- The main menu will then appear on the TV.

The detail procedures to connect to a TV

1. Connect to a TV through CVBS/R/L, see illustrated diagram below.



2. Connect to a TV through YPbPr, see illustrated diagram below.



Make sure the connection is correct, then TV will have correct picture output.

The device outputs video signal to display equipment (e.g. TV) through either CVBS or YPbPr.

Note :

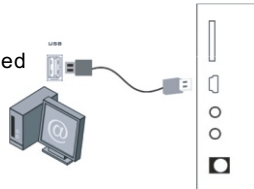
1. There are total 3 types of video output modes when the device is connected to an external display equipment.
If the device is connected to a TV or similar display equipment and has no picture output, please press "TV SYSTEM" key on the remote control to switch to the right video mode.
2. Make sure your TV is set to VIDEO model before connecting to this device. Under TV mode, the video signal from this device will not be displayed on the TV screen.
3. When connecting to other display equipment, make sure you set the correct video output mode in order to display the video stream data from the device.

2.6 Data Exchange

2.6.1 connect to a PC

You can manage files in your device's HDD through PC connection, you can also copy audio/video files from your PC to your device's HDD. See below illustrated diagram of PC connection.

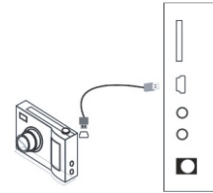
1. Before connecting to a PC, make sure you have successfully installed a HDD into your device.
2. Turn on the device, make sure it is successfully started up.
3. Use supplied USB cable to connect the device to a PC.



Note : If this is the first time to connect to a PC, the PC may request you to install device driver software, if your PC is running Window ME, Windows 2000 or XP, then no driver software installation is required, if your PC is running Window 98 or 98SE, then you can install the driver software from the supplied CD.

2.6.2 OTG

See below illustrated diagram :

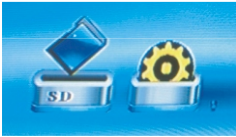


1. To connect to a USB drive, connect directly using the supplied USB cable.
2. To connect to a digital camera, first connect OTG cable, then press "COPY" key on the remote control to initiate data transfer, during data transfer session, HDD LED light comes on indicating working status, when data transfer completes, the HDD LED light goes off.

3. Multimedia Entertainment Centre

You can manage files on your device's HDD through a PC connection, without a PC connection, you can also manage files on your device's HDD using a TV connection (or similar video display equipment), making the device virtually an independent multimedia entertainment centre.

Connect this device to a display equipment (refer to chapter 2.5, Audio/Video output), turn on the device, switch video output mode until you see below picture (main menu).



Operation instruction :

The default function starts at "Photo" option, press [LEFT] or [RIGHT] key to move on to other function options, press [OK] to enter selected function option, press [HOME] to return to the main menu.

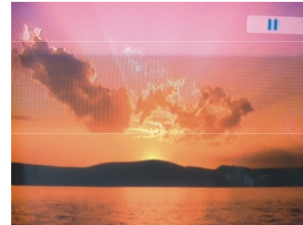
3.1 Photo browsing

In main menu, select "Photo" function option, press [OK] to enter photo browse menu.



Operation instruction :

Browsing : press [LEFT][RIGHT] [UP] [DOWN] navigation keys to move around photo thumbnails.



PLAY : Press [ENTER] to open the photo file.
Press [PLAY/PAUSE] to pause or resume playback.
Press [◀] [▶] to go to the previous or next photo.
Press [ZOOM] to magnify the photo at x2, x3, x4 times, you can move around the zoomed photo using navigation keys on remote control.
Press [DISPLAY] to enter option menu to select your operation.
Press [STOP] to stop playback, and go back to the previous/upper level menu.

3.2 Music playback

In main menu, select "MUSIC" function option, press [OK] to enter music playback menu. (see below)



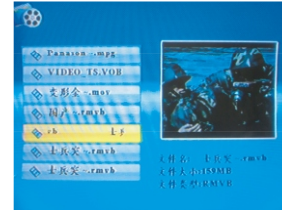
Operation instruction :

Once you select music playback, the device will automatically start music playback by sequential order, you can :

- Press [UP][DOWN] to select the music file you want to play.
- Press [PLAY/PAUSE] to stop or resume playback.
- Press [STOP] to stop playback.
- Press [VOL+][VOL-] to increase or decrease volume level.
- Press [EXIT] to go back to the previous menu.
- Press [◀◀] [▶▶] to go fast backward or fast forward the current playing file.
- Press [MUTE] to mute speaker output, press again to cancel it.
- Press [HOME] to go back to the main menu.

3.3 Video playback

In main menu, select "MOVIE" function option, press [OK] to enter video playback menu : (see picture below)



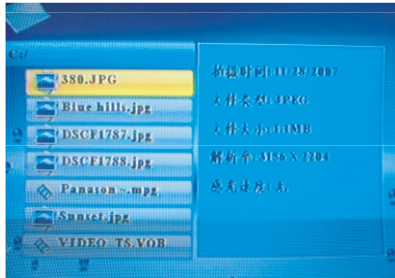
Operation instruction :

Under video playback menu, video files are displayed with smaller icon showing video images and related data, you can :

- Press [UP][DOWN][LEFT][RIGHT] navigation keys to select the video file you want to playback
- Press [PLAY/PAUSE] to pause or resume video playback
- Press [OK] to start playback in full screen mode.
- Press [STOP] to stop playback, and return to video file browse menu.
- Press [VOL+], [VOL-] to increase or decrease volume level.
- Press [◀◀], [▶▶] to fast rewind or fast forward currently playing video file.
- Press [◀], [▶] to play the previous or next video file.
- Press [MUTE] to mute speaker output, press again to cancel it.
- Press [AUDIO] to switch between audio sound channels, only effective to multiple audio channel video files.
- Press [SUBTITLE] to display subtitle, subtitle file name must be the same as movie file name. Press again to turn it off.
- Press [ADJUST] to switch among different video playback modes.
- Press [EXIT] to go back to the previous menu.
- Press [HOME] to return to main menu.

3.4 File Browsing

In main menu, select "FILE" function option, press [OK] to enter file browsing menu : (see picture below)

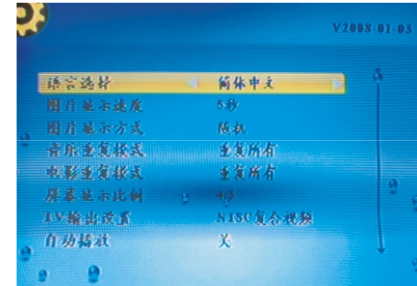


Operation instruction :

In file browsing menu, files are arranged in hierarchical order, you can use [UP] [DOWN] and [OK] keys to enter different file folders, use [LEFT] to return to the upper level folder, on your selected file, press [ENTER] to start playback, press [RIGHT] to select file then press [DISPLAY] for general file operations like copy, delete, etc. Press [EXIT] to return to the previous menu, press [HOME] to return to main menu.

3.5 Settings

In main menu, select "SETUP" function option to enter setup menu : (see below)



Operation instruction :

Press [UP] [DOWN] to select different setup items, press [LEFT] [RIGHT] to start setting parameters, press [OK] to confirm setting change, press [EXIT] to return to main menu.

4. Trouble shooting and solutions

If you encounter any of the following issues, please refer to the solutions below :

Cannot turn on the device	Make sure AC power adaptor is properly connected to the mains
	If power connection is good, and still unable to turn on the device, please contact appointed service agent.
Cannot connect with a PC	Make sure the device is turned on and successfully started up before connecting USB cable.
	Make sure USB cable connection is good between PC and the device
	After above processes and the problem still persists, please contact appointed service agent.
Data transfer rate cannot reach USB 2.0 permitted data rate 480MB/s	Make sure PC or digital camera or other equipments connected to this device are USB2.0 compliant.
Remote control receiving sensitivity is poor	Make sure remote control is pointing to the IR receiving window device's within 30 degree, and within 10 meters.
No video output or abnormal video output when the device is turned on	Make sure AV cable connection is good
	Make sure the display equipment's video mode setting is the same as the device's.
	If the above cannot solve the problem, please contact appointed service agent.
Unable to copy data from USB drive to HDD	Make sure the HDD has a FAT32 partition.
Unable to locate HDD	Connect your device to a PC to find out if the HDD is there, working normally, otherwise, please contact appointed service agent.

5. Software Upgrade

The firmware of this device can be upgraded. Based on different conditions or needs, new firmware will be posted on our company website or by other means, after download the new firmware to your computer, you can upgrade your device's firmware through USB connection.

Software upgrade procedures :

1. Connect this device to a PC and a TV, turn on the device's power.
2. Copy the downloaded firmware (app_ARES.img) from your PC to the device's HDD, please note there is no limitation on where this firmware is to be placed in the device's HDD.
3. Disconnect the device's USB connection from PC, power off and then power on, enter "File Browsing" function option, select upgrade software (app_ARES.img), system will automatically start upgrade process, after software upgrade, the device will re-start automatically. (During this whole process, do not disconnect power or connect USB cable.)
4. Use USB cable to connect this device to a PC, turn on the device, use your PC to delete the upgrade software (app_ARES.img) in your device's HDD, turn off the device.
5. Disconnect USB connection from your PC, re-start the device.