# **User Manual**

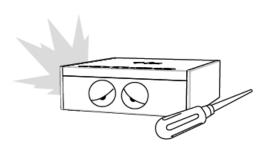
# **TVX-HD M-6600**



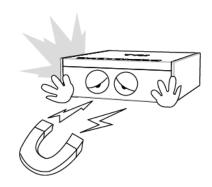
- **♦ TVX-HD M-6600A** − optional DVB-T dual tuner
- ◆ TVX-HD M-6600R Memory Card Reader + optional DVB-T dual tuner
- ◆ TVX PVR M-6620R Memory Card Reader + ATSC Dual digital TV

<sup>\*\*</sup> Some specifications could change according with new firmware versions. Please refer to the FAQ on our homepage for further information

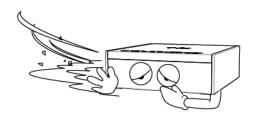
# **Safety Notice**



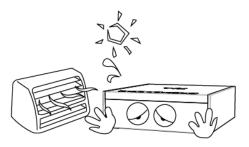
Do not try to disassemble or remodel the TViX unit. Doing so may cause malfunction or fire.



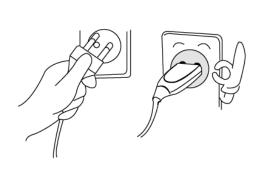
Place all magnetized devices. Such as speakers away from the TViX .It may erase or cause damage to the data stored in the hard disk.



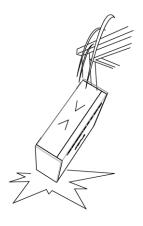
Do not place the TViX in places that are exposed to oil, water, dust, humidity, rain and wind.



Keep your TViX away from heated areas, such as direct sunlight exposure, heaters etc. Place it in a well ventilated location. Ensure that a free airflow is maintained around the appliance.



Do not touch the power plug with wet hands or use defective power cables & electric outlets. It may cause electric shocks or fire.



Do not drop the TViX from heights. Doing so may cause critical damage to the hard drive.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

Unplug the power cable when you will not use the product for a long time.

### **Usage Precautions**

### Thank you for choosing this TVX-HD product.

Please read the following usage precautions before using your TVX-HD.

#### Connect the A/V cable

Make sure the power is off when you connect the A/V cable between the TVX-HD and the TV.

#### Cleaning the TVX-HD

When cleaning the TVX-HD unit, pull out the power cord and then wipe it with a soft piece of dry cloth.

#### Antenna connector

We recommend using a threaded-type antenna connector.

#### Checking Digital signal Reception

- Press the INFO button on the remote control. The Signal strength meter will appear on the INFO pop up.
- If signal strength meter indicates a weak signal, adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

#### Record Notice

- The first partition of the internal hard disk must use the NTFS format. FAT32 format can cause an error message.
- When the signal is weak or unstable, recording cannot work properly.
- When the hard disk is unstable, recording cannot work properly. So you must run Check Disk sometimes.
- You cannot use the DTV time-shifting on FAT32 partitions, so we recommend that you format your SATA HDD to NTFS.

#### Connect USB cable

When connected to the computer through the USB cable the TVX-HD acts as an external USB storage device (In this state, there is no video/audio output and the VFD will show as USB ON). For normal TVX-HD play mode, disconnect the USB cable connected to the computer and turn on the TVX-HD.

#### Detaching the Hard Disk

When detaching the HDD, please let it cool off before handling.

#### Supplied cables

The supplied cables and accessories are recommended for customized best performance of the TVX-HD. Using other cables or accessories may not provide best performance.

#### Unplug the device from PC USB port

If you want to unplug the device, press the Stop button in 'Unplug or Eject Hardware'.

#### FAT32 Partition

If you choose FAT32 file format on Windows 2000/XP, the drives maximum size will be limited to 32GB. If you want to have a FAT32 single drive letter of 32GB or more, you have to format on Windows 98SE/ME. We don't recommend the FAT32 partition to record the DTV channel.

#### Wireless Network

To use a wireless network connection, please refer to the TVX-HD homepage for a list of compatible wireless devices.

#### Certification sticker

The certification sticker mark is on the bottom of the device.

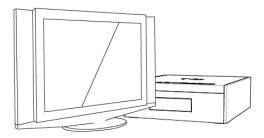
- DViCO has no warranty or responsibility for broken hard disk. We recommend periodic backups to prevent data loss.
- \*\* Some functions will require you first to update to the latest firmware.

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### 1 Introduction

### 1.1 HDTV PVR Function



The TVX-HD PVR can play HDTV without a digital TV set-top box with excellent and super-clear display on HDTV screens. The TVX-HD PVR supports standard DTV features, such as EPG and Time-shifting.



Time shifting is the recording of programming to a storage medium to be viewed or listened to at a time more convenient to the consumer. Being interrupted while watching live TV programs (such as pick up phone calls & answer the door), all you need to do is simply press the OK button to freeze the picture for a period of time and then later press OK again to pick up right where you left off. Note: You cannot use the DTV time-shifting on FAT32 partitions, so we recommend that you format your SATA HDD to NTFS.



The TVX-HD PVR has various recording features, including direct recording, scheduled recording, and repeated manual recording, to enable the user not to miss a single program of digital TV. It's a completely different type of PVR since you can easily upgrade and expand the HDD capacity yourself, similar to PC upgrading. And you can back up the recorded file to/from the PC. In case of dual tuner, You can watch other channels while recording a program you want.



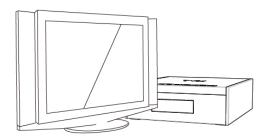
The TVX-HD PVR implements DTV features such as EPG-scheduled recording and PC-connectivity to let the user enjoy all the fruits of digital broadcasting as well as supreme audio and video qualities. You can set up scheduled recording and scheduled watch using the EPG window.



When using the DTV mode, you can easily configure the sleep time with the FUNCTION key. If the sleep time is reached when a recording is in progress, the TVX-HD will shut down after finishing the recording. In the file list mode, the FUNCTION key performs the File copy/delete and password functions.

DVICO Inc has no responsibility for recorded programs or files made or distributed for purposes of illegal, commercial, or transactional activities. The party or parties who record or distribute the contents bear all responsibility (Civil or Criminal) direct or indirect.

### 1.2 Multimedia Player Function



The TVX-HD is a standalone, multimedia hard disk player that plays digital videos, digital music, digital still images and DVD files to a TV display and home entertainment system. You can enjoy digital contents in your living room without having to burn discs or having to play it back on a DVD or CD player anymore.



TVX-HD plays back DVD movies with the full functionality of DVD navigation. You can create your own virtual DVD library by storing your personal collection of DVDs in .ISO or .IFO format and watch them exactly as if they were running from the original DVDs (all original features included: Menu, Chapter, Audio Stream, Subtitle, Fast Forward, Rewind, Slow, Pause, Step Forward, Repeat, Search etc.).



TVX-HD plays back high-definition video (up to 1920x1080P) and still images. Prerecorded HDTV programs from a digital TV set-top box or personal digital video contents taken by a camcorder can be played back with the TVX-HD on a high-definition display. The TVX-HD features a HDMI connector, which will match the high resolution of HD-level video contents



TVX-HD supports the latest multimedia formats such as MKV, MPEG-4 AVC(H.264), VC-1( MP@HL, AP@L3), WMV9 & WMV HD as well as MPEG4 3.11,4.0 , 5.0. H.264 is a brand-new and superb compression technology today. It makes you more stunning HD movie with lower storage capacity.



HDMI provides unparalleled qualities to digital video and audio, while DVI only serves digital video. With HDMI you don't have to deal with several AV cables. It provides single-cable way to connect your display and sound. It can deliver uncompressed digital video up to 1080P as well as digital audio.



TVX-HD has a DTS hardware decoder to mix DTS sound into 2 channels for a more dynamic sound quality.



The TVX-HD can be networked with a PC system using either a wired network or its optional wireless network. You are able to navigate to a PC file through TVX-HD's wired/wireless network and play the file from its original location without having to copy it into the TVX-HD first. Also, TVX-HD' FTP server or Samba server supports the file copying from PC.



With two USB2.0 host ports, you can attach additional external USB hard drives to further extend the storage capacity. You can also play back files from a digital camera, USB flash drive, USB flash card reader or a MP3 player.



Manufactured under license from Dolby Laboratories.

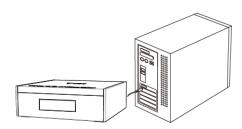
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

### 1.3 Audio Player Function



- TVX-HD can play a variety of audio files such as FLAC, MP3, Ipod, AAC, Ogg Vorbis or WMA (Windows Media Audio) through the TV speaker and any other audio systems. You can listen to your favorite music files nonstop, by organizing a custom winamp playlist. Now you can enjoy music all day without changing CDs.
- TVX-HD supports the playlist by using \*.pls or \*.m3u.
- You can watch picture slideshows with the option of background music (supports Simultaneous playback of Audio and picture images).

### 1.4 External Storage Function



- If you connect to a USB 1.1 port, the TVX-HD will work at USB 1.1 speed, so we strongly recommend that you use USB 2.0.
- It can be used as an external device by connecting it to the System, to save video, audio, image files, data, program backups etc.
- USB 2.0 enables TVX-HD to become as an external storage device which supports speed up to 480Mbit/s.
- It supports Plug & Play, so Windows will automatically recognize TVX-HD the instant it is connected to the system
- If you connect the USB Cable between the system and TVX-HD during playback, then the VFD will display "USB ON." When you disconnect the USB, you do not have to reboot the TVX-HD for continuous use.
- If you are a Windows98SE user, you should download a USB storage driver from our website before you connect your TVX-HD with your system. You do not need to install a driver in Windows ME/2000/XP.
- You can download the latest NetShare Software from our website for configuring an NFS network server on your PC. If you elect to use NFS mode, you can play transport stream or DVD image files without stutter.

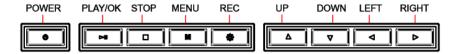
# 1.5 Specifications

MODEL	TVX-HD M-6600				
Main Chipset	RT1283 400Mhz processor				
VFD Display	7 Alpha-Numeric Character, 5 Digit Numeric Display				
	Format: .MKV, .mpg, .avi, .wmv, .divx, .vob, .tp, .ts, .trp, .dat, .iso, .ifo, .m2t, .m2ts, .mov				
Video	Codec: MPEG 1/2/4, AVI, XVID,WMV9(MP@HL),H.264( MP@HL4.1),VC-1( AP@L3), RealVideo				
	Resolutions up to 1920*1080P				
	FLAC, DTS-Wav, MP3, WMA, AAC, Ogg, AC3, WAV, rpcm				
Audio	DTS Pass Through and Down Mixing				
Photo	JPG, JPEG (Progressive JPEG not Support)				
	USB 2.0 Host 2 Ports ( USB1/USB2 : 5V===, 500 mA max), USB 2.0 Target 1 Port				
	Wired LAN, optional wireless LAN				
Connectivity	Network : Samba client, NFS, Netshare, Samba server				
	Memory Card reader (6600R) : SD, SDHC, Memory Stick, Memory Stick Pro Duo				
	TV Antenna port : 6620 – ATSC dual tuner				
Video out	HDMI 1.3, Composite				
Audio out	Digital : Coaxial, Optical , Analog: Stereo				
Hard Disk	NTFS, FAT32 (3.5" S-ATA HDD, supports S- ATA 1,2) PVR Recording & Time shifting: NTFS				
Subtitle	smi, smil, sub, sub/idx, srt				
Cooling FAN	60mm Brushless FAN, Temperature Sensing, Variable Speed				
Memory	256M byte				
Power	90-250V Free Voltage				
Language	English, Traditional Chinese, Japanese, Spanish, French, Germany, Italian, Korean, Dutch, Russian, Simplified Chinese, Rumanian				
Size	215x70x215 mm (W x H x D)				

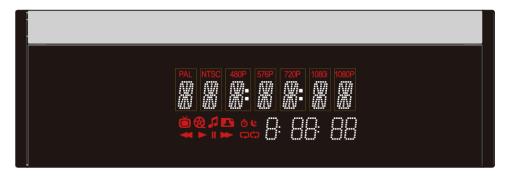
# 2 Name of Each Part

### 2.1 Unit Control button

The TVX-HD was designed to be controlled by its buttons as well as with the remote controller.



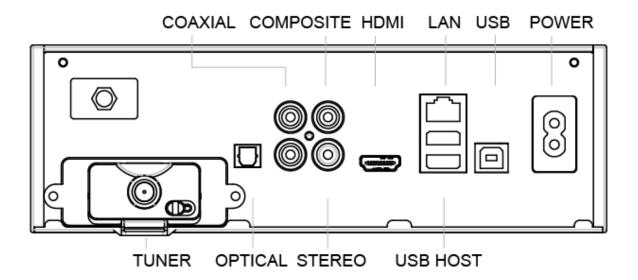
The VFD showed below may differ when you play a file.



### 2.2 Cable Connection

You can connect the TVX-HD to an analog TV display or audio amplifier by the A/V cable.

In case of 6600R model, the Memory card reader is placed at a side of the unit.



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# 2.3 Package Contents

Thank you for choosing this TVX-HD product.

The TVX-HD PVR package contains the following items. The items described below may differ from the



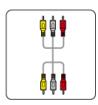
TVX-HD unit



Remote Controller



USB PC Cable



RCA Cable



Quick Guide



Manual CD



Power Cable

### << Before Connecting the Cable >>

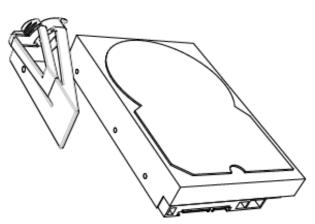
- Please refer to TV manual for connecting the A/V cable.
- Make sure the power is off when you connect the A/V cable between the TViX and the TV.
- Connect the red and white RCA cable for stereo audio.

<sup>\*</sup> TVX-HD automatically formats when you install an unformatted new hard disk. Do not shut down the power when formatting the hard disk.

<sup>\*\*</sup> Connect the included power cable on the back of the TVX-HD. Then plug the other end of the power adapter into an available wall socket. Make sure that your TV is switched to the AV input to which the TVX-HD is connected (on the back of the TV).

# 2.4 HDD Installation/Exchange

\*\* Installing or exchanging your HDD is very easy. Just follow up the instructions below. If you already installed an HDD, you may skip this chapter.

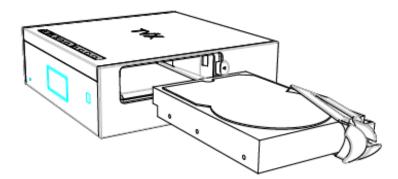


Assemble the HDD guide and your HDD by using the screws in the product package.

Open the lid of the TVX-HD as shown in below pictures.

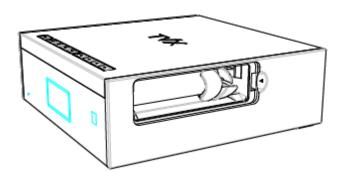


Please see the HDD direction like under.

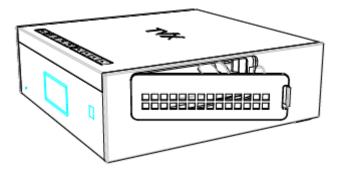


You don't need to connect any cables. Just push the HDD into the TVX-HD.

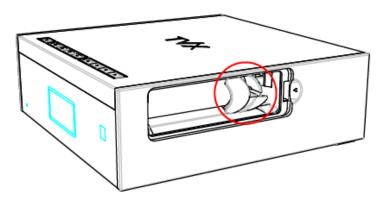
# **Ultimate PVR with HD Digital Jukebox**



Close the lid of TVX-HD.



To change the hard disk, pull the HDD's guide out with pressing the lock button.

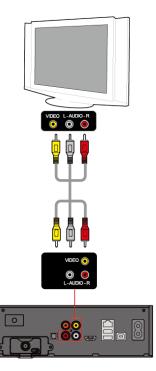


### 3 Installation and Connection

### 3.1 Connecting the Video

The TVX-HD supports HDMI and Composite video output for connecting to a TV and each output needs to be selected in the settings menu depending on the cable used.

### **Connection to Composite**

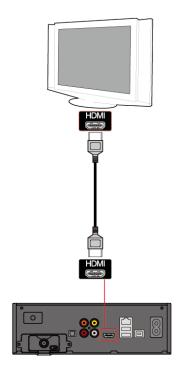


Connect the TVX-HD output to your TV using the included Composite (yellow) video cable.

Select an appropriate video input mode on your TV until you get the main page of the TVX-HD

For the Audio, please connect the stereo cable (red/White cable).

### **Connection to HDMI Output**



Connect the TVX-HD output to your TV using a HDMI cable.

TVX-HD plays back high definition video (up to 1920x1080P) by using HDMI cables.

HDMI cable can transmit uncompressed audio and video signals together. No additional cables are necessary.

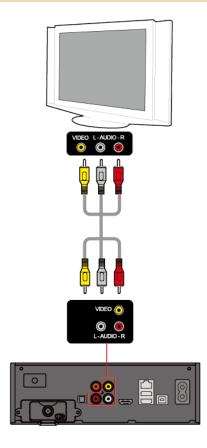
### NOTE:

After you connect the video cable to your TV, you must press the TV Out button repeatedly on your remote controller until you see the main page of the TViX.

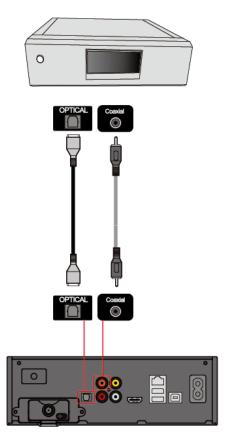
## 3.2 Connecting the Audio

#### **Connection to 2 CH Normal TV**

### **Connection to 5.1CH Amplifier (Digital)**



Connect the two audio cables, the left (white) and right (red), to the appropriate terminal of your TV or Hi - Fi system for sound output.



If you have a multi-channel decoder/amplifier with an coaxial/optical input, you can enjoy 5.1 CH high-quality sound through the coaxial or optical cables. The illustration above shows how to connect the optical cable with included optical jack.

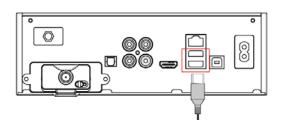
(These cables are not included in the package and must be purchased separately.)

### NOTE

If there is no sound after connecting the coaxial/Optical cable, you have to change the audio setup of TViX to Digital on the SETUP menu.

### 3.3 Connecting the USB HOST

The TVX-HD also provides two USB-host ports with USB 2.0 compliant host/ function processor.



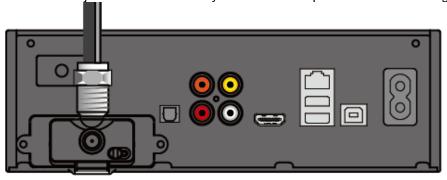
USB-host allows communication between two USB devices. You can connect any external storage device (e.g. memory stick) or an external hard disk and play files stored on these external devices. You can even connect your Digital Camera directly to play digital images and pictures without any other devices.



After connecting the client device, press the left-arrow button on your remote controller and then navigate to the desired storage unit. You can thereby change the location from internal hard disk to external USB device and back.

## 3.4 Connecting the Antenna

- Before connecting the Antenna or R.F. cable, the power of TVX-HD should be turned off.
- To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.
- We recommend using a threaded-type antenna connector. Move clockwise to tighten.
- If signal strength meter indicates less than the middle of the scale, adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.



- TVX-HD M-6600A optional DVB-T dual tuner
- ◆ TVX-HD M-6600R Memory Card Reader + optional DVB-T dual tuner
- ◆ TVX PVR M-6620R Memory Card Reader + ATSC Dual digital TV

\*\* Connect the included power cable on the back of the TViX. Then plug the other end of the power adapter into an available wall socket. Make sure that your TV is switched to the AV input to which the TViX is connected (on the back of the TV).

# 3.5 Using the remote control

This indicates Remote Buttons.

POWER	(O)	Toggle Unit Power on / off
MUTE	NA N	Stop Audio Output from the Player
HDTV	(ě)	Switch between TV or DTV mode
MOVIE	<b>®</b>	Go to Movie folder
MUSIC		Go to Music folder
РНОТО		Go to Photo folder
Numeric Key	7	Insert number or text
16:9/4:3		Aspect ratio(16:9/4:3 letter box/4:3 Pan&Scan)
ZOOM		Zoom Video / Image Playback
PREV	(#)	Previous Chapter / File / Page Up on List
Next	<b>(*)</b>	Next Chapter / File / Page Down on List
JUMP/REW	Jump	Jump to USB Host or network drive
SORT/FF	Sort →	File Sort or FF playback
OK/TIMESHIFTING	<b>▶/II</b> OK	Selection/play/pause/time-shifting on/pause
ARROW	(•()•)	Cursor Navigation Arrow/Rewind / FF playback
RETURN		Stop Playback/Return to Previous Screen / Folder
VOL + / -	+	Volume (Increase / Decrease)
CH + / -	<b>↑</b> ∨	Switch TV channel/adjust subtitle sync
INFO	<b>(1)</b>	Display Media File Information
SUBTITLE	ABC	Subtitle ON / OFF, Change Settings
FAVORITE	(*)	Switch favorite channel
GOTO		Time-Stamp based Search/TV channel list
SETUP	*	Enter Setup Menu, Apply/Confirm Setup Settings
AUDIO	0	Select multi audio
REPEAT	(C)	Repeat Media file(s) Playback
SHUFFLE	( <b>x</b> ;)	Switch between Random – Sequential Playback
TV OUT		Toggle Video Output Modes
TITLE	•	Select subtitle file
MENU	(A)	Display Main Menu Screen/ DVD Title Screen
FUNCTION	•	File copy/ folder password/ Sleep Timer
GUIDE		Display DTV EPG Guide
BOOKMARK/SCH	0	Bookmark / manual recording in TV mode
ADD/DELETE	<b>©</b>	Add/Remove the recording list/ delete file
REC	•	Instant recording in TV or AV-in
<u> </u>		



Some buttons have different functions in PVR mode and file play mode.

## 3.6 Initial Setting

- Connect the TVX-HD with your TV using A/V cables and turn on the TVX-HD. You can see this process when you turn it on for the first time or when you select "Load Default Setting".
- You may see the initial page on your TV screen as the picture below, then press the "OK" button on the remote controller.
  - In case of HDMI connection : The TVX-HD sets to the best resolution automatically and leads you to the next stage, "Language setting".
  - In case of other connections: The TVX-HD changes screen resolutions as NTSC PAL 480P 576P in about every three second, so press the "OK" button when you can see a clear screen.



Select your language or the language you want to choose.



Now you can see the TVX-HD main page.

# 4 TVX-HD Setup Menu

#### 4.1 SYSTEM Setting

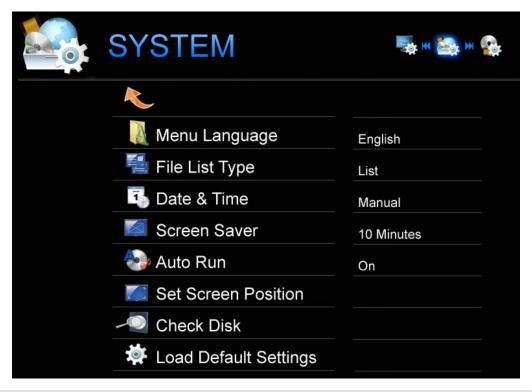
This section indicates the SYSTEM (Language or Time) settings. Press SETUP button on the remote controller and select SYSTEM.





This screen allows you to adjust the SYSTEM settings of your TVX-HD to your personal taste. Select menu to exit this SETUP. Press 'NEXT' button to change next setting.







**Menu Language**: Select your language preference from the options.



**File List Type**: Switch to File list mode or Preview mode.



**Date & Time**: Adjust the clock by using the arrow and numeric keys. With DTV tuner, Auto(Via TV or Via Network) is available. Also you can change the clock with manual setting.

Press Left/Right button on your remote controller to move the option. Press Up/Down button on your remote controller to change a setting.





Screen Saver: If there is no activity the screen saver will start after a certain time. You can change the Screen Saver time on this menu.



Auto Run: You can play the files automatically when loading the TVX-HD. If you select "random", it plays randomly.

## **Ultimate PVR with HD Digital Jukebox**



**Set Screen Position**: Adjust the UI display position, so you can see exact main UI display on your TV.

Arrow buttons and OK button are available.

- 1. Adjust Left Top blue line.
- 2. Adjust Right Bottom blue line.



**Check Disk**: TVX-HD provides the HDD check utility. If you have some problem with recording or file playback, we recommend running this utility in advance.

TVX-HD automatically formats when you connect an unformatted hard disk internally. Do not shut down the power when formatting the hard disk.



**Load Default Settings**: In order to revert to the Default setting, Press this option. You will need to configure the video and sound settings again.

### 4.2 Audio/Video Setting

This section indicates the A/V (Video or Audio) settings. Press SETUP button on the remote controller and select the A/V.



















This screen allows you to adjust the A/V settings of your TVX-HD to your personal taste. Select menu to exit this SETUP. Press 'NEXT' button to change next setting.





**Analog Audio output (Analog PCM) :** Select this when you connect the audio with a stereo RCA cable (the Red and White cable)



**Digital Audio output (Digital RAW ) :** Select this when you connect the audio with an coaxial/optical cable for digital audio connection to the Decoder/Amplifier.



**HDMI Audio**: Select ON when you want to hear the audio from HDMI.



**Video Output :** Select this when you connect the video through a composite or HDMI cable. With HDMI setting, you can select the output resolution among NTSC,PAL, 720p 50hz/60hz, 1080i 50hz/60hz, 1080P. Setting it to 1080i will work on all HD grade TVs.



**Aspect Ratio**: 4:3 Letter Box / 4:3 Pan & Scan for ordinary TVs; 16:9 for Wide TVs, such as HDTV or Plasma TV.

If the ratio of the TV is 4:3, select the 4:3 letter box or 4:3 Pan & Scan. If the ratio is 16:9, select 16:9.

\* The 4:3 Letter box can show the original ratio of the multimedia file in 16:9.



\* The 4:3 Pan & Scan will adjust the image of the 16:9 multimedia file to the 4:3 of the TV screen by scaling the image. (This mode is currently not supported)



\* 16:9 can adjust any ratio of the multimedia file to the TV screen with the original image.



Video Adjust: Set the Brightness - Contrast - Hue - Saturation.



Press OK or STOP button to save and exit current video setting.



**Video Auto Switch**: is used when the video out is changed according to the NTSC/PAL or 1080P 24Hz format.



Apply Video Output: press 'Apply Video output' to save current Video output mode.

# 4.3 HDTV Setting

This section indicates the HDTV settings. Press the SETUP button on the remote controller and select HDTV.

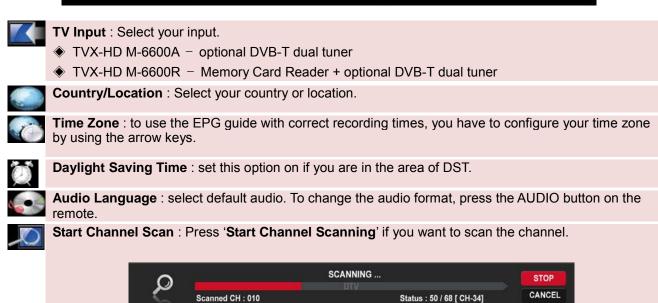




This screen allows you to adjust the HDTV settings of your TVX-HD to your personal taste. Select menu to exit this SETUP. Press 'NEXT' button to change next setting.







#### **PVR Setting** 4.4

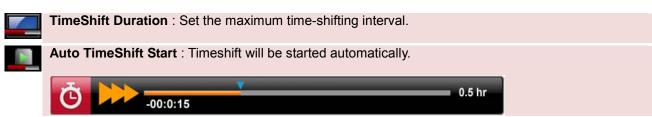
This section indicates the PVR settings. Press the SETUP button on the remote controller and select HDTV.



This screen allows you to adjust the PVR settings of your TVX-HD to your personal taste. Select menu to exit this SETUP. Press 'NEXT' button to change next setting.







### 4.5 NETWORK Setting

This section indicates the NETWORK (Network or FTP) settings. Press the SETUP button on the remote controller and select NETWORK.





This screen allows you to adjust the NETWORK settings of your TVX-HD to your personal taste. Select menu to exit this SETUP. Press 'NEXT' button to change next setting.



\*\* For detailed Network instructions, please refer to the enclosed TVX-HD CD or the latest pdf file on the TVX-HD Homepage.

With NFS, TVX-HD can play tp files on a PC flawlessly through LAN.

We recommend the NFS connection rather than SAMBA. You need to install the TVX-HD Netshare program (or other NFS server) on the server PC, but the settings are much easier than in SAMBA mode. You can download NetShare installer from our website to easily configure your NFS network.



**Default Network Type :** Select Wired network or Wireless network.



**Wired IP Setting:** Default setting is DHCP. If you cannot access via LAN with DHCP setting, use the Static IP setting. For a static IP, refer to the **LAN Connection**.



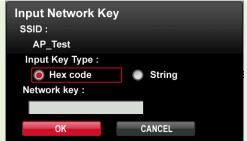
**Wi-Fi IP Setting**: Default setting is DHCP. If you cannot access via LAN with DHCP setting, use the Static IP setting. For a static IP, refer to the **LAN Connection**.



**Search Wi-Fi Network**: Connect the USB module into enclosed cradle after connecting the AP Router to a PC. Press "Search Wi-Fi Network" to search for your AP or AP router. After some interval of searching, you can see the AP LIST popup menu. Select the AP that you want to connect to.

### **Ultimate PVR with HD Digital Jukebox**







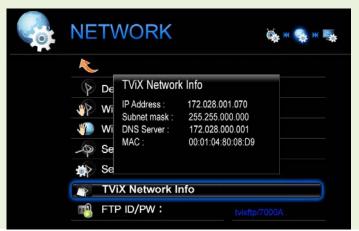
**Setup Network Disk :** Write the PC's IP address in the Server IP. (ex: 192.168.001.128). Supports up to 4 Network disk server.



Share Folder name should be written as tvixhd1 / tvixhd2 / tvixhd3 / tvixhd4



**TVX-HD Network Info:** You can see the information of TVX-HD's Network.





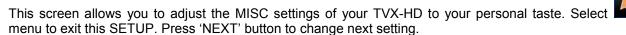
**FTP ID/PW**: to use FTP function, you must use the ID & password displayed on the Network Menu within SETUP. The FTP ID is TVX-HD ftp. You can use capital letters only for the password. You may write the FTP address to the TVX-HD IP Address on the TVX-HD Network Information

### 4.6 MISC Setting

This section indicates the MISC (Photo effect or Subtitle) settings. Press the SETUP button on the remote controller and select MISC.











Slide Show Effect: is used when playing background music while watching picture slideshows.



Slide Show Delay: Set the slide show time interval.



**Subtitle Color**: Change the color of the subtitle and its outline.



**DVD Smart navigation :** If there is VIDEO\_TS.IFO file in the folder, Clicking on the DVD folder will automatically playback .VOB content.



Fan Speed: Select your Fan Speed. We recommend the Normal setting.



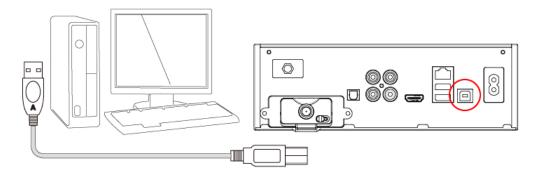
**Set Folder Password**: In order to password-protect folders, you will first need to setup Admin Password. Default Admin Password: 0000 (4-zeros). Perform the SETUP-SYSTEM-Load default settings if Admin Password is lost.

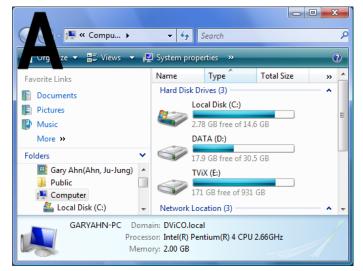


# 5 Initial Usage of TVX-HD

## 5.1 Making an HDD Folder

As shown in the picture below, one end of the USB cable should be connected to the USB connector of the TVX-HD and the other end to the computer.





- After connecting to the PC, turn on the power of the TVX-HD.
- Double click on the icon 'My Computer' on your monitor and you will see a newly created drive; TVX-HD as shown in picture 'A'.

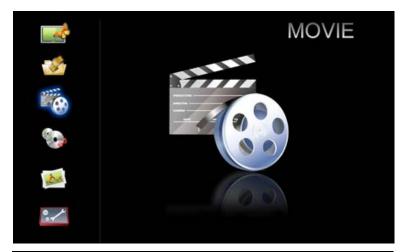
(The name of the drive can be changed.)



For easy usage, double click TVX-HD and make separate folders named MOVIE, MUSIC, and PHOTO. Then store all your files accordingly to each folder.

# 5.2 Movie Playback

When installation is successfully finished, you will see the Main MENU screen. You'd better copy a video file into the MOVIE folder in advance.







MOVIE, MUSIC, PHOTO, HDTV, SETUP icons are shown.

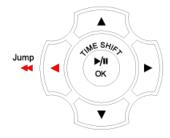
Select the MOVIE menu by using the Up/Down arrow button on your remote controller.



After selecting the icon, press the

OK( button.

If you want to change the partition of the HDD, press the Jump/Left button.



Using the up/down button, select the Video file content.

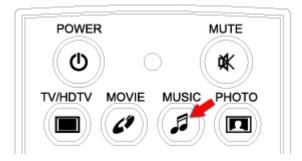
By pressing the OK ( )button, you will be able to play the video file.

TIP ~

If you want to play the next video, press the NEXT() button

If you want to play the previous video, press the previous(|◀◀) button.

# 5.3 Music Playback



You can copy an audio file into the MUSIC folder in advance and play music files..

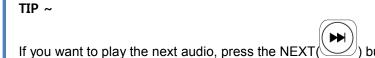
If you cannot see the MAIN MENU screen, press the MENU( ) button on your remote controller.



Select the MUSIC menu( on the Main screen and press the OK( ) button.



- You will see the audio file contents that you have just copied.
- Select the audio file content using the up/down button. Then by pressing the OK button on the content highlighted you are able to playback the audio file.



If you want to play the previous audio, press the previous(|◄◄) button.

# 5.4 Photo Playback



You may copy image files into the PHOTO folder in advance and play the image or photo files.



You can press the PHOTO button on your remote controller without selecting from the menu screen



Press PHOTO ( ) butto



You can see the image files that you just copied.

- Select the image files using the up/down button. By pressing the OK button, you can easily play the image file content.
- If you want to play the next image, press the NEXT(>>|) button.

TIP ~
You can play the HDTV, Music and Movie as well as the Photos with the remote controller.

HDTV MOVIE MUSIC PHOTO



If you connect the LAN cable or external USB, Network or USB icon is enabled on the main Menu. We're supporting up to 4 hard disk partitions, 4 network PC, 4 USB1 partition and 4 USB2 partition.



# **6 Using TVX-HD PVR**

- The TVX-HD PVR can play HDTV without a digital TV set-top box with excellent and super-clear display on HDTV screens. The TVX-HD PVR supports standard DTV features, such as EPG and Time-shifting.
- The TVX-HD PVR has various recording features, including direct recording, scheduled recording, and repeated manual recording, to enable the user not to miss a single program of digital TV..
- Time shifting is the recording of programming to a storage medium to be viewed or listened to at a time more convenient to the consumer. Being interrupted while watching live TV programs (such as pick up phone calls & answer the door), all you need to do is simply press the OK button to freeze the picture for a period of time and then later press OK again to pick up right where you left off.
- TVX-HD PVR doesn't support satellite reception.
- DVICO Inc has no responsibility for recorded programs or files made or distributed for purposes of illegal, commercial, or transactional activities. The party or parties who record or distribute the contents bear all responsibility (Civil or Criminal) direct or indirect.
  - ◆ TVX-HD M-6600A optional DVB-T dual tuner
  - ◆ TVX-HD M-6600R Memory Card Reader + optional DVB-T dual tuner

## 6.1 Channel Scanning

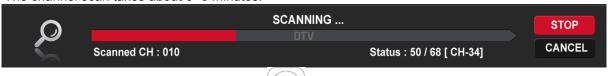
When installation is successfully finished, Press SETUP(SETUP) - HDTV on your remote controller.

To scan the channels, you can use the Start Channel Scan menu on the SETUP-HDTV menu.



To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.

The channel scan takes about 5~6 minutes.



- To stop the channel scanning, Click on OK( ) button on the remote control or select the STOP on the scanning window.
- After scanning, you have to configure the time zone on SETUP-HDTV, If you want to use the EPG guide, you have to set your time zone correctly.

#### Checking Digital signal Reception

- 1) Press the INFO button on the remote control.
- 2 The signal-strength meter will appear on the INFO window.
- ③ If the meter indicates weak signals, adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

Display OSD when you press wrong keys.

<sup>\*\*</sup> Without internal tuner box, some functions of PVR ( EPG or Channels) will not work.

<sup>\*</sup> To delete scanned channels, press GOTO - choose channel - ADD/DELETE button.

### 6.2 Using TVX-HD PVR

: Select HDTV icon on the main menu to play the HDTV mode ( Without tuner box, this menu is not available.)

: Press HDTV button on your remote controller to switch the TV mode

### 6.2.1 Channel switching

Press CH +/- button to change the TV channels.

You can also enter the channel number by using the numeric keypad on the remote and the channel will change after a few seconds.





To check the scanned-channel list, press the GOTO button(DTV mode.

You can change the channel by using Up/Down and OK button.

Press Add/Delete button, and you can add the channel to favorite channel. You can change the favorite channel by clicking the FAVORITE button.

In case of dual tuner, You can watch other channels while recording a program you want.



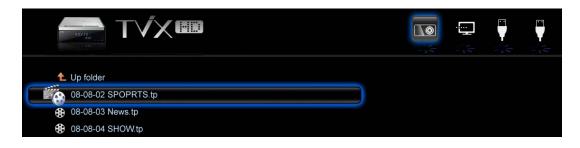
### 6.2.2 Instant recording

- This function records the currently displayed channel.
- In case of dual tuner, You can watch other channels while recording a program you want.
- Select the desired channel to record while watching and then press the REC button( REC ) to record.
- Press the STOP button ( ) to stop recording, or, when the recording duration is reached, the TVX-HD will stop recording.
- The recorded file is stored to the hard disk of the TVX-HD in a folder named PVR.
- The file is saved with a name of the form "YY-MM-DD\_program name.tp"

The hard disk must be formatted using the NTFS file system. If the FAT32 file system is used, an error message appears sometimes.

• livepause folder is a temporary folder for time-shifting, so you may ignore this folder name.

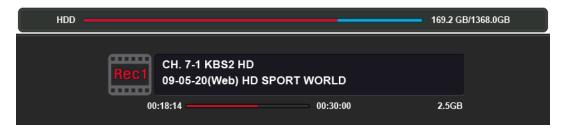
## **Ultimate PVR with HD Digital Jukebox**



• Clicking on the REC button( REC ) changes the recording duration in the sequence shown below. Free Space->30min->60->90->120->180->240. When recording, you can see red-round OSD( on the right-top of the screen.



• When recording, Press the INFO button( ) on the remote control, and you can see recording information.



- When recording, press the Add/delete button, the recording will be canceled.
- When recording, if the available storage space runs out, the recording will automatically stop.
- When viewing, Press the INFO button( ) on the remote control, and you can see channel information.



• If the available hard-disk space is less than 50MB, recording will not work. If the available hard-disk space reaches 10MB or less when a recording is in progress, it will stop automatically and show "No space" on the OSD.

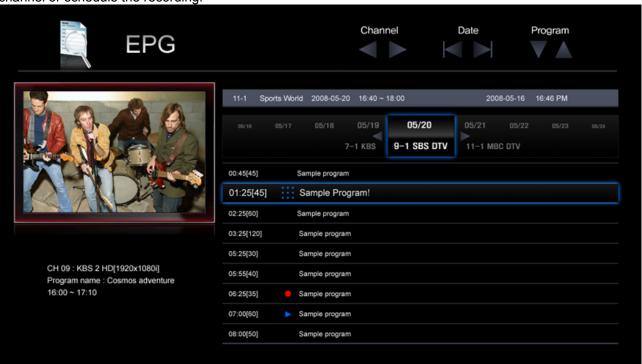
#### **Record Notice**

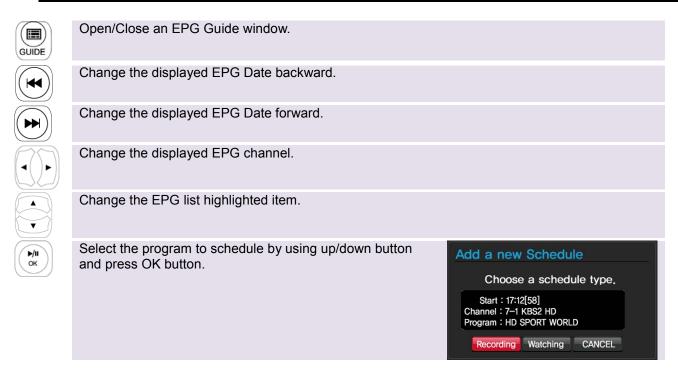
- The first partition of the internal hard disk must use the NTFS format. FAT32 format will cause an error message.
- When the signal is weak or unstable, recording cannot work properly.
- When the hard disk is unstable, recording cannot work properly. So you must sometimes run Check Disk.

### 6.2.3 Using DTV EPG Guide

DTV EPG(Electronic Program Guide) shows the guide obtained from the real-time broadcast data stream.

Press the Guide button( ) in DTV mode to see an EPG window similar to that shown below. Select the desired channel to record or watch and then press the View or Record button to tune the channel or schedule the recording.





TVX-HD will automatically power on 3 minutes before a scheduled recording time.

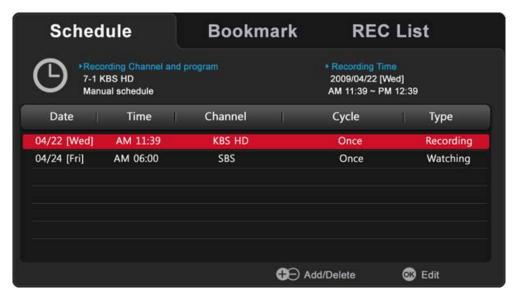
E.g., if you schedule a 4 o'clock recording, your TVX-HD will turn on at 3:57 and begin recording as scheduled.

### 6.2.4 Manual Recording

Manually scheduled recording is available in the TV mode.

Scheduled times are based on the TVX-HD internal clock, as shown on its VFD, so please adjust it to the

correct time under the setup menu. Press BOOKMARK/SCHEDULE button (



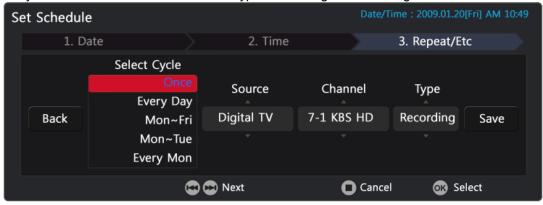
To add new scheduler, press ADD/DELECT (

DELETE) button.



You can set Date and Time(Start time/End time) on this step. Press next.

Set the cycle/Source/Channel and schedule type - recording and watching.



- To Edit/delete the scheduled list, press the OK button on the list.
- You can play a recorded file on the REC list.



TVX-HD will automatically power on 3 minutes before a scheduled recording time.

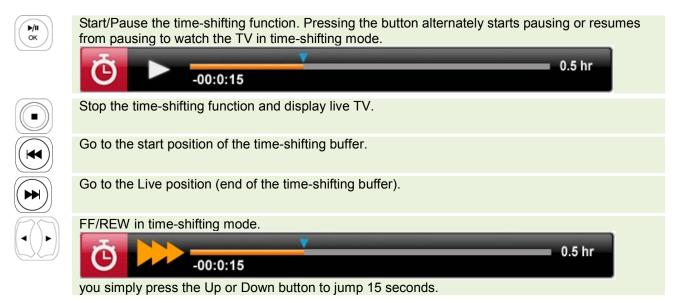
E.g., if you schedule a 4 o'clock recording, your TVX-HD will turn on at 3:57 and begin recording as scheduled.

## 6.2.5 Using Time-Shifting

Time shifting is the recording of programming to a storage medium to be viewed or listened to at a more convenient time. If interrupted while watching live TV programs (for example, to pick up phone calls or answer the door), you simply press the OK button to freeze the picture for a period of time and then later press OK again to pick up right where you left off. The Time-shifting buffer is preserved when you change the channel.

Note: You cannot use the DTV time-shifting on FAT32 partitions, so we recommend that you format your SATA HDD to NTFS.

DTV Time shifting requires a maximum HDD space of 9G/hour.



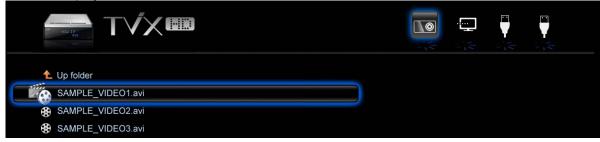
## 7 Using the remote control

## 7.1 Descriptions of Each Buttons

Basically, for playback of multimedia files you choose the file you want by navigating to it with the menu buttons and left/right and up/down arrow buttons and then press the OK button.

## 7.1.1 Video Playback

When you press the MOVIE button( ) on your remote controller, only the TVX-HD MOVIE folder contents are displayed on the TV Screen.

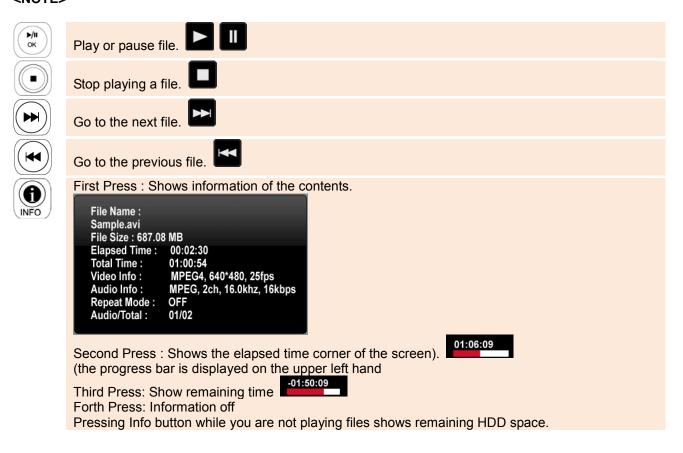


This only applies to the active partition if you have more than one partition.

Press the **JUMP(** )button on your remote controller to select another input source.

Display OSD when you press wrong keys.

### <NOTE>

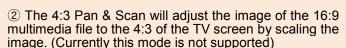


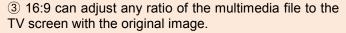


4:3 Letter Box / 4:3 Pan & Scan for ordinary TVs / 16:9 for Wide TVs such as HDTV or Plasma TV.

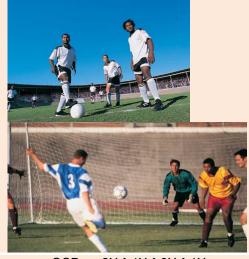
If the ratio of the TV is 4:3, select the 4:3 letter box or 4:3 Pan & Scan. If the ratio is 16:9, select 16:9

① The 4:3 Letter box can show the original ratio of the multimedia file in 16:9.











Pressing the Zoom button while you are playing files shows zoom OSD as  $2X \rightarrow 4X \rightarrow 8X \rightarrow 1X$ . While in Zoom mode, you can scroll the video by pressing the arrow buttons.



First Press : Shows the Subtitle OSD.

- Change subtitle size : press Left/Right button on the subtitle mode. It is not available without subtitle file.
- Change subtitle position : press Up/Down button on the subtitle mode. (.smi only)

Subtitle color or outline is configurable on the SETUP menu.

Supports .SUB (bitmap) + .idx subtitle files

You can go to subtitle file selection mode by pressing the TITLE button (next to MENU) on the remote control. You can navigate folders and files and press OK button on a subtitle file you want. You can change the subtitle sync by using CH +/- button on your remote.



Pressing GOTO button while you are playing files, You can choose the time. After choosing you can play directly.

The present playing time will be displayed with the GOTO function.



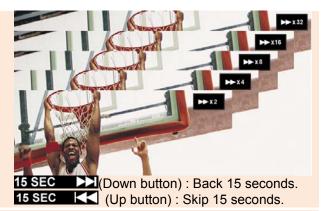


FF/REW Button

Pressing FF button while you are playing files, you can change the FF mode.

 $2X\rightarrow 4X\rightarrow 8X\rightarrow 16X\rightarrow 32X$ .

Up/Down Button: 15 seconds skip or 15 seconds backward.





is used to delete the file or folder from the TVX-HD Local hard disk. When you do delete files or folders, you must run the HDD check disk periodically.



During playback You can set sleep time by pressing function key repeatedly on a remote controller. SLEEP ON will blink for 3 minutes before turning off.

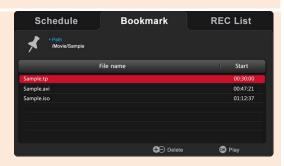


In these menus, you can adjust the Contrast, Brightness, Hue and Saturation as well as other setup settings.



If you stop when playing a movie, the stop position will be automatically saved and you can resume it later anytime by pressing the "bookmark" button on the remote controller.

- save up to 32 bookmarks on 32 individual files. (It cannot save 2 bookmarks on a single file.)
- Bookmarking works for all video files.
- A video file where the folder is setup with a password cannot be saved.
- When replaying the same file, only the last play position will be saved (thus, bookmarked).
- A file deleted from the hard disk will be automatically deleted from the bookmark list as well.





Pressing AUDIO button while you are playing multi audio files, you can change to alternate audio tracks.



Select the subtitle file manually. (require updating to the latest firmware)



Adjust the play mode to repeat Track, repeat All or repeat off.

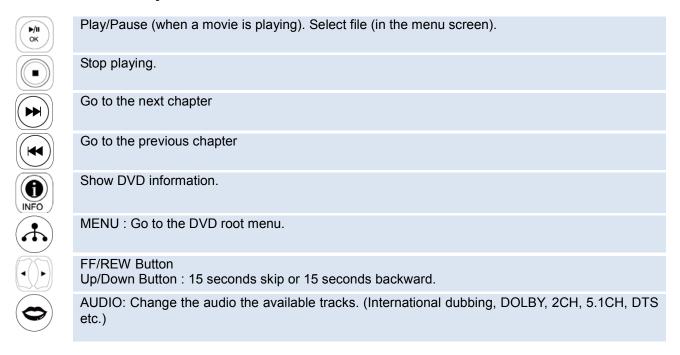
## 7.1.2 DVD Navigation

For playback of DVD files copied to the HDD, navigate to the VIDEO\_TS.IFO file and press OK.

Full DVD navigation works as with a standard DVD player.



## < DVD Jukebox Keys >



<sup>\*\*</sup> The operation of "arrow" and "VOLUME UP/DOWN" is the same for Video operation.

## 7.1.3 Audio Playback

When you press the MUSIC button( ) on your remote controller, Only the contents of the TVX-HD Music folder will be displayed.



It applies only to the active partition(first partition) if you have more than one partition.

Display OSD when you press wrong keys.

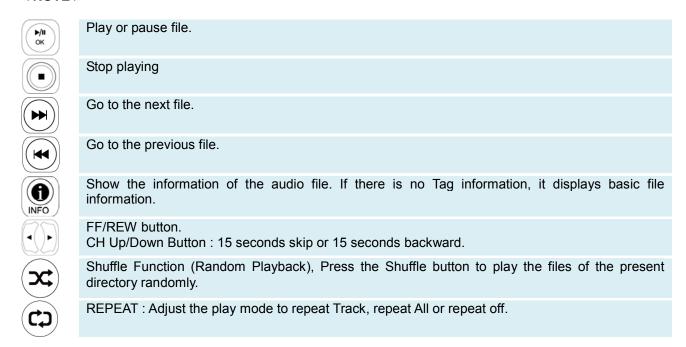
If you press audio file, then you will get the screen of music window.

You can choose another song to hear in this music window.



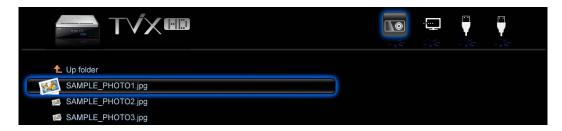
<sup>\*\*</sup> Some functions may require updating to the latest firmware.

#### < NOTE >



## 7.1.4 Image Playback

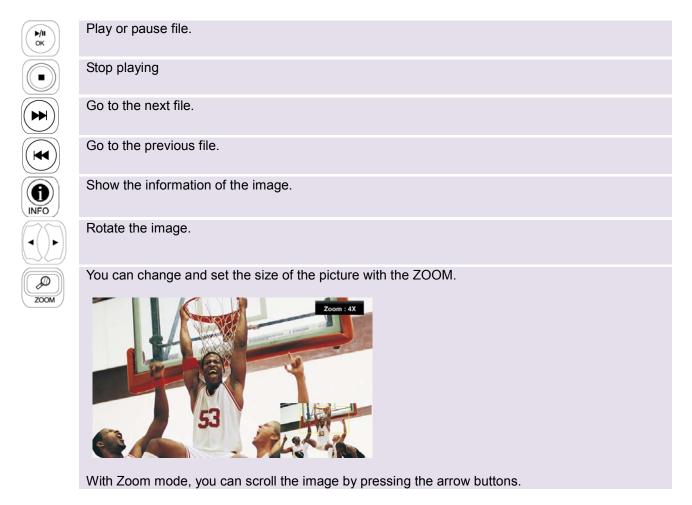
When you press the PHOTO button( ) on the remote control, only the contents of the TVX-HD PHOTO folder will be displayed.



It applies only to the active partition(first partition) if you have more than one partition.

Display OSD when you press wrong keys.

### < NOTE >



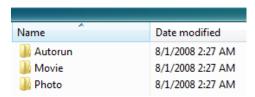
- You can set the slideshow delay or slide show effect at the SETUP-MISC menu.
- Some non-standard JPEG files may not be displayed..[Progressive jpeg is not supported].
- You can use the Background Music Slide function if there are audio files and image files in same folder.

## 7.2 Extra Features

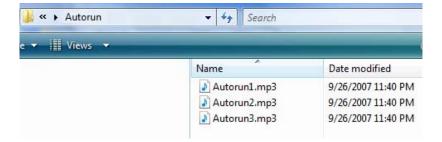
## 7.2.1 Using the AutoRun Function

When you want to play music with the TVX-HD, but do not have any display devices, the following function may come in handy.

Make a folder and name it, "autorun" and place it in the root directory of the First partition.



Copy media file(s) or a list file in the "autorun" folder.



- If you want to change the setup, push the SETUP button on the remote controller. Then go to the SETUP-SYSTEM tab. Set AutoRun option to ON. If you set the AutoRun option to OFF, the function will not work. If you select 'Shuffle,' files will play randomly.
- After setting the configuration, turn off the TVX-HD and then turn it on again. The TVX-HD will play the media file from the under '/HDD1/autorun'.

## << Using WinAMP Playlist ( .m3u or .pls ) >>

- Connect TVX-HD to PC.
- Use the "Winamp" application to form a playlist of files stored on the TVX-HD.. (See figure below)
- Select Save playlist from the Winamp File menu and save the list on the same partition where the opened files are stored.



Disconnect TVX-HD from PC by using Safely Remove Hardware tray icon.

## 7.2.2 Using File Copying

TVX-HD supports File Copy functionality without Using PC. You can now copy Contents from external USB hard disk to the internal hard disk of TVX-HD and also Copy the contents within the internal hard disk of TVX-HD.

TVX-HD internal HDD < -- > internal HDD,

TVX-HD internal HDD < -- > Network DISK (network driver cannot be written in the NFS)

\_TVX-HD internal HDD < -- > external USB DISK (except nonstandard devices.)

Select the folder containing source files. (Currently, don't support folder copying)

Press Function key and select FILE SELECT icon.



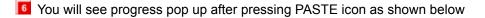
with SELECT mode popup( SELECT MODE ), Select source file by using Up/Down key and OK button. Do not change to another folder in this mode. If files are selected, selected files are activated.

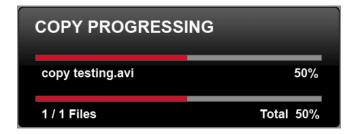


After selecting the file, press the Function key again and then select the COPY icon( ). To cance copying, press the Function key again and then press cancel icon.

In case of paste mode, you can use arrow keys, so that you can change the target folder. Navigate to the

folder where you want to copy, and press the Function key again then select the PASTE icon(



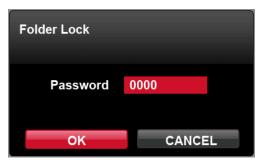


## 7.2.3 Folder Security

TVX-HD supports folder protection by assigning a password to the folder.

- Select the folder that you want to password protect.
- Press the Function button on your remote controller.
- Select the Set Password icon to set up the password.
- Press a 1~8 digit number from the Numeric key on the remote (Ex: 1234). Press the OK button to complete set up. Perform the SETUP-SYSTEM-Load default settings to clear the password if the Admin Password is lost.





#### < < Notice >

- The Set password and Remove password icons will be activated when a password is assigned to the folder.



File select



Set password



File cop



Remove password



File Paste



Cancel/Exit



- Perform the SETUP-SYSTEM-Load default settings if Admin Password is lost

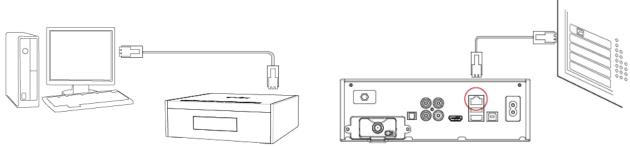
- If you insert a wrong password, TVX-HD automatically goes to the file-selecting page.

- The password should consist of numbers only.
- You cannot delete a folder protected by a password with the delete key. Remove the password first.

## 7.3 LAN Connection

#### 7.3.1 Connect PC via Network

< When connecting the computer directly to the TVX-HD >



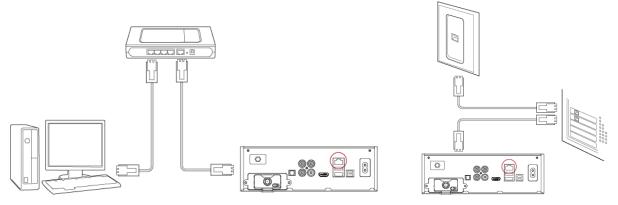
Connect the LAN cable to the LAN port of both the TVX-HD and the PC.

#### **TIPS**

In this case, you generally use a LAN cross cable type.

If the computer's LAN card was connected to an Internet line, you can install an additional LAN card to your PC and connect that LAN card to the TViX.

< When connecting with IP Router or Hub >



Connect the LAN cable to the LAN port for an IP Router or Hub.

#### TIPS

In this case, you generally have to use Direct LAN Cable type.

- **SAMBA mode**: You can play the file via network without special Software program, but the speed is lower than NFS mode. ( Currently, do not Support in Vista )
- NFS mode: You must install the TVX-HD NetShare utility on to your PC, but you can play the TP or DVD jukebox without stutter.

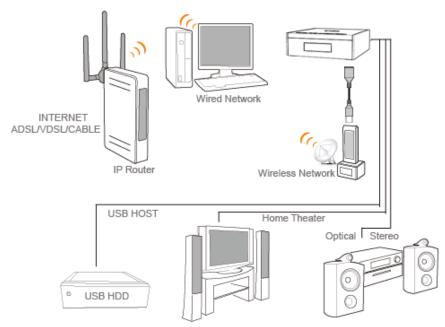
We recommend sharing files using the NTFS file system. The FAT32 file system does not contain enough information to create a lasting file name, so TVX-HD doesn't load the file after changing the file name.

\* Please connect your TVX-HD to the PC only with the enclosed USB cable.

#### < Wi-Fi Connection >

Connect the USB module into the enclosed cradle after connecting the AP Router to a PC.

You should not connect the USB module to TVX-HD without cradle. If you connect it by force, the TVX-HD can be damaged.



<sup>\*\*</sup> For detailed Wi-Fi instructions, please refer to Wireless Network.

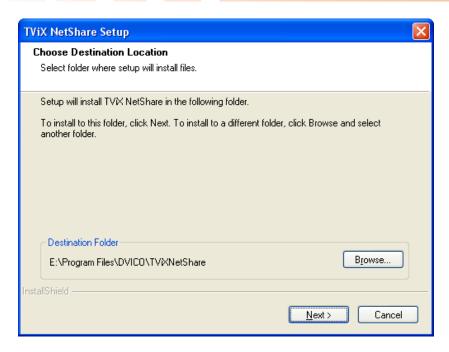
### 7.3.2 TVX-HD NetShare Installation

Most likely there will be an updated NetShare version on our web site.

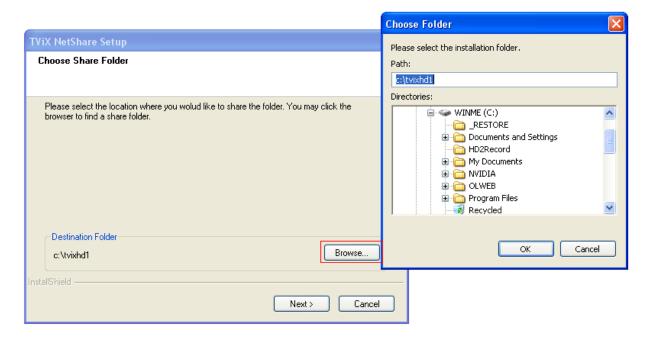
You may download and install using the latest TVX-HD Netshare installer or install TVX-HD Netshare from the enclosed TVX-HD CD.



- Run TVX-HD Netshare installer and follow the on-screen prompts to install software.
- The "Choose Destination Location" window will appear. Click on "Next" if you want to install the Net Share in the default directory. Otherwise, you can choose a different directory by clicking on "Browse".

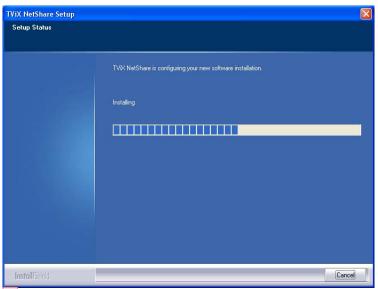


Please select the location where you would like to share the folder. You may click the browser to find a shared folder.



We recommend to share files using the NTFS file system.

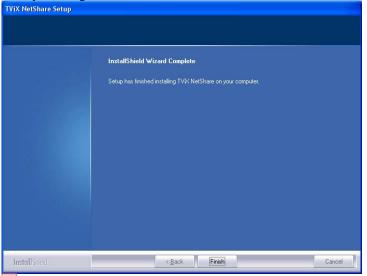
The "Setup status" window will appear.



Press YES button if you want to run the TVX-HD Net Share automatically.



By clicking the Finish button, the software installation is done.



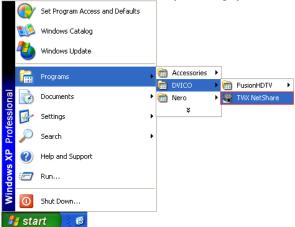
Press "Unblock" for the Windows Security Alert.



## 7.3.3 Using TVX-HD NetShare

Click Start, point to Program->DVICO->TVX-HD NetShare.

If TVX-HD Netshare is already running, you don't need to run this program again.



After starting the Net Share program, you can see the NetShare icon in the tray...

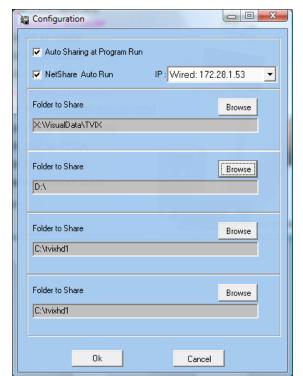




Start the setting by right clicking the NetShare tray icon at the lower-righthand corner of the screen.



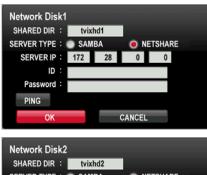




- Start Sharing: Used to start the sharing
- Stop Sharing : Used to stop the sharing
- Settings: Used to set the share folder
- Exit
- After running the NetShare software application on the system, right click on the NetShare icon and select Settings.
- NetShare AutoRun : used to autorun when Windows restarts.
- Auto Sharing at Program Run : used to start sharing automatically at program startup.
- Folder to Share: used to Select the folder and Files from the drives shared by Clicking on the Browse icon. In case of FAT32 file system, TVX-HD doesn't load the file after changing the file name.

## 7.3.4 Sharing of Multi folders

After running the Netshare software Application, right click on the Netshare ICON.



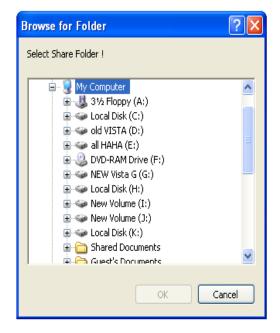






- Click on Browse, Corresponding to Folder 1 to Share.
- Select the Appropriate folder, Containing Media Files from desired Drive and Click OK.
- Again Click on Browse, Corresponding to Folder 2~ Folder4 to Share.
- Select the Appropriate folder, Containing Media Files from the desired drive and Click OK.



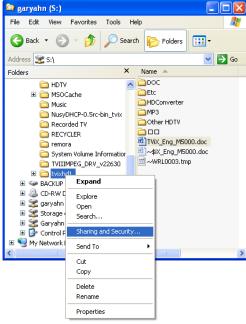


#### CAUTION

If you press the stop sharing when the network is connected, you can see "TViX Sharing closed." On the setting feature.

You must again Press the "start sharing" on the tray window for network Sharing to start.

## 7.3.5 Set Network Configurations Under Windows XP (SAMBA mode)

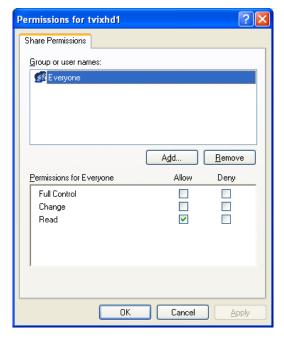


Select the folder you want to share. Right-click that folder and click 'Sharing and Security' in the popup menu.

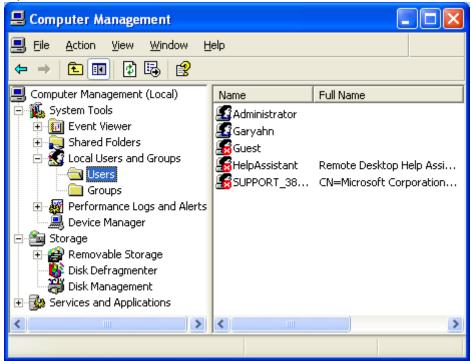


Check 'Share this folder' on the network and type in the share name 'TVX-HDhd1 (this is the only available one at the moment)'.

- Use 'Everyone' if 'Everyone' is displayed, otherwise you don't have to change anything. Also, add 'Everyone' to the security tab.
- After that, the shared folder will be displayed like the following picture.



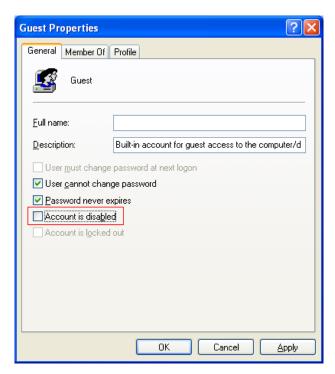
Move to 'Settings' > 'Control Panel' > 'Administrative Tools' > 'Computer Management' > 'Local Users and Groups' > 'Users', and double click 'Guest'.



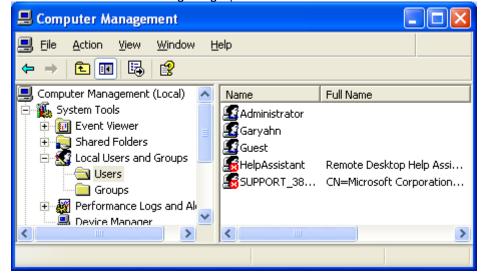
#### **CAUTION**

This is for Windows XP Professional. Windows XP Home users cannot see this window. If you cannot find 'Administrative Tools' in the Control Panel, click "Switch to classic view" in the upper-left corner of the screen.

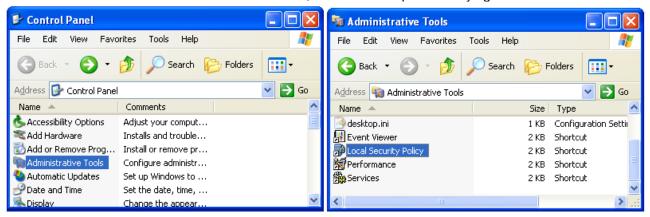
Uncheck 'Account is disabled'



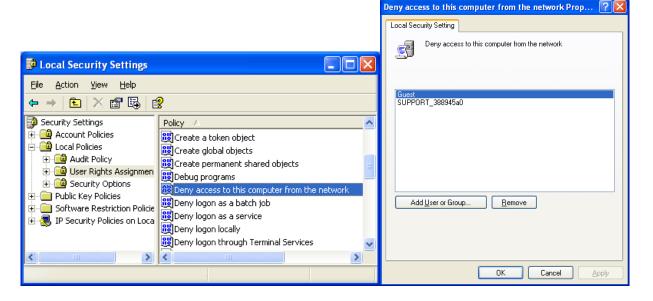
GUEST' must be shown as the following image (a red X mark should not be shown on 'Guest').



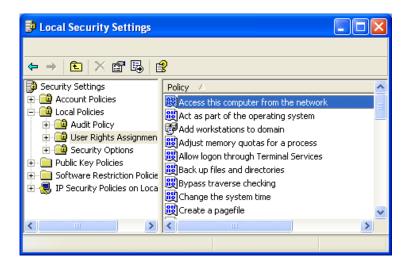
Move to 'Control Panel' > 'Network connections', and select 'Properties' s by right click on the mouse.



Remove "Guest" from the 'User Rights Assignment' > 'Deny access to this computer from the network' option.

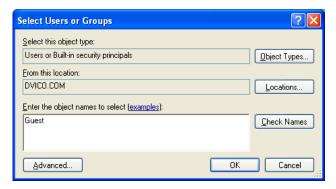


10) Move to 'Access this computer from the network', and then select 'Properties' by right clicking the mouse or double clicking it.





11) Click on 'Add User or Group'



12) Type in "Guest" and then click on "OK" button.

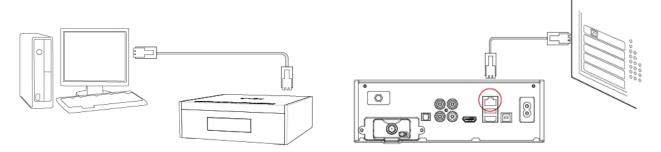
13) Press OK, and Guest will be registered.



### < When connecting Computer to TVX-HD directly >

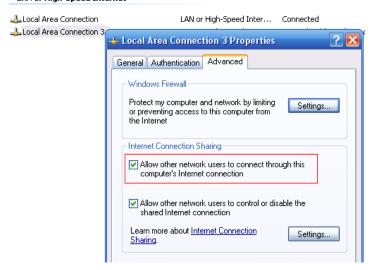
In this case, you have to use Cross LAN cable type generally.

If the computer's LAN card was connected to Internet line, you can mount additional LAN card to your PC and connect that additional LAN card to TVX-HD.



Move to 'Control Panel' > 'Network connections', and select 'Properties' by right click on the mouse.

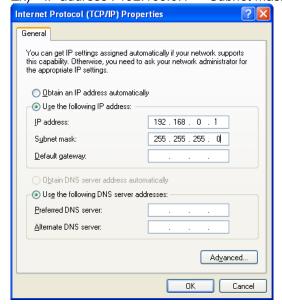
LAN or High-Speed Internet



- When Windows 2000 or XP, Check "Allow other network users to connect through this computer's internet connection"
- Double click 'TCP/IP->LAN card' that you want to use on your computer. You must select the additional LAN card.

Check 'Specify an IP address', and write 'IP address' & 'Subnet mask' that you want to use.

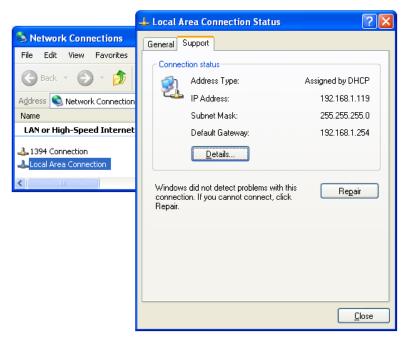
Ex) IP address: 192.168.0.1 Subnet mask: 255.255.255.0



### < When connecting with IP Router or Hub >

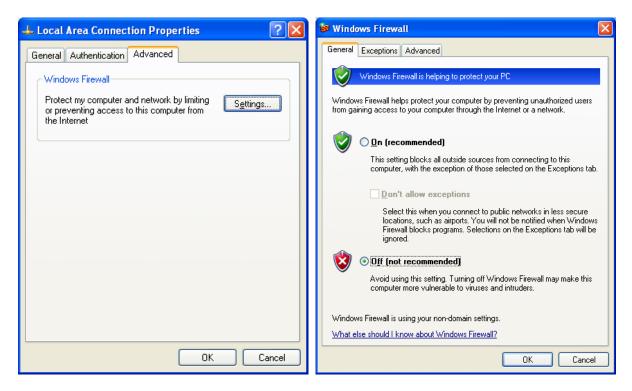
If you have already been assigned dynamic IP address from a DHCP Server or IP Router in your local area network, then no need to write a static IP address. Then obtain the automatically assigned IP address or write an IP address & Subnet mask that the DHCP Server or the IP Router provides.

Select 'Control Panel' > 'Network Connections', and select 'Status' properties by right clicking the mouse. After clicking the Support tab, you should see an IP Address. (ex: 192.168.1.127)



#### < Disable Windows Firewall >

- Move to 'Control Panel' > 'Network Connections', and select 'Properties' by right clicking on the mouse. Click on the 'Advanced' tab. Disable 'Internet Connection Firewall'.
- If you use service pack 2, click on 'Settings' at 'Windows Firewall'.
- Check 'Off' and then click 'OK'



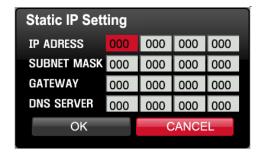
## 7.3.6 Setting Static IP Network Configurations in TVX-HD

Press [SETUP] button on the remote. setup screen will be displayed. On that Set UP screen, select Network setting→Network disk and type the IP address in the Server IP. (ex: 172.28.1.70)

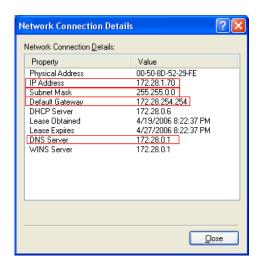
The default is DHCP and if you want to set Static IP, you can select and change Static IP on the IP setting. If you have used the DHCP you don't need to assign the IP address because it will be assigned automatically.

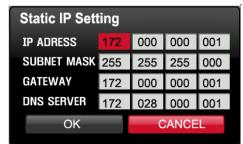
If you cannot access via LAN with DHCP setting, we recommend to use the Static IP setting.



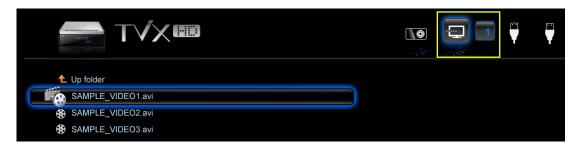


Select 'Control Panel > 'Network Connections', and select 'Status' properties by right clicking the mouse. After clicking the Support tab, press details, and you can see the Network connection details. Write IP address, Subnet Mask, default gateway and DNS server. You must write different IP address like below image. (ex: 172.28.1.70 → 172.28.1.168) Forth address is different compared with PC's IP address.





When the setting is successfully finished, you will be able to see the 4 PC Tray Icons. Network Disk is supported up to 4 PC Tray system. You can see the partition on the network icon like below image.



You may check for detailed usage at the TVX-HD website.

## 7.3.7 Wireless Network

### [ Connect USB wireless module ]

- Connect the USB module into the unit after connecting the AP Router to a PC.
- Please refer to the TVX-HD homepage for a list of compatible wireless devices.

### [ Configure Wireless Network ]

- After booting, press SETUP-NETWORK- "Wi-Fi IP setting" and select DHCP or static IP.
- After selecting DHCP, press "Search Wi-Fi Network" for searching your AP or AP router.
- After the interval of searching, you can see following popup menu. Select the AP you want to get connect with

A red colored icon means the AP uses **WEP** (Wired Equivalent Privacy) and a blue colored icon means a non-WEP AP.

Currently supported WEP (Wired Equivalent Privacy) settings are the OPEN System and WPA(Wi-Fi Protected Access).

WEP key input: WEP 64-Bit/ WEP 128 key and ASCII and HEXA key.

Old firmware is not supporting the HEXA key.

WPA key input: ASCII only.

RADIUS (Remote Authentication Dial-In User Services) servers are not supported.

\* You have to configure the WEP setting of the AP using the AP's instruction in advance.

Insert the network key using the remote's numeric keys. As you press the MENU button, the input mode for the remote will be cycle from lowercase alphabet to uppercase alphabet to numeric input mode.

To delete a character, press the Capture/Delete button.

If you insert exact network key, you could see well-formed TVX-HD Wi-Fi Network Info like following. network key is Hexa or ASCII.

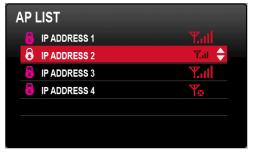
If the network key is wrong or the AP doesn't work with DHCP setting, you would see some missing fields in TVX-HD Wi-Fi Network Info POP UP. Those fields which you might always see are SSID and MAC

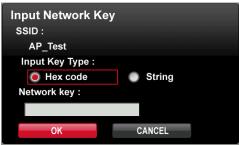
If you still have the problem after filling up correct key, please recheck your setting of AP or reconnect the USB port.

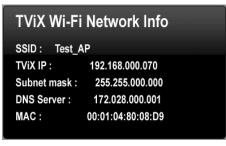
Network disk setting: This setting is same as the wired network setting. To configure the network disk, refer to TVX-HD FAQ or NetShare manual

#### Caution

- If you connect to a secured AP, the network performance will be 10% lower than an unsecured AP.
- In wireless connectivity connecting the Wireless USB to TVX-HD Device. The TVX-HD needs to be powered off initially and then Powered ON .Then on the Network setting Menu WIFI IP setting will be enabled
- For better Wi-Fi signals adjust the position of AP and USB module
- If you play high definition files over Wi-Fi, you will see stuttering. Also, depending on the environment, you may experience stuttering when you play DVD files.
- If you use a USB Wi-Fi adapter with another USB device, it may not work properly.
- \* If you want to change AP, you have to search the wireless network as in Step 2.



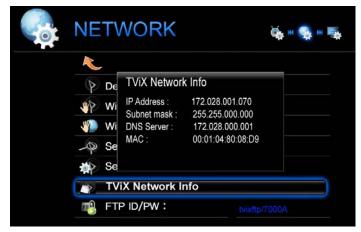




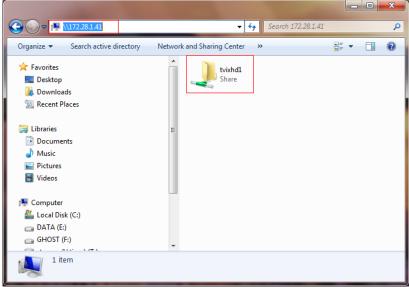
## 7.3.8 Using SAMBA Server

Using SAMBA Server, You can copy/move/delete files from PC to TVX-HD via LAN. SAMBA is supporting the internal hard disk only.

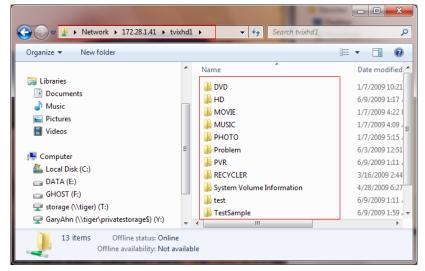
Press the Network Info on the SETUP-NETWORK. And note down the TVX-HD IP



Click on Internet explorer, and then type the TViX IP as shown \(\frac{\lambda 172.28.1.70}{\text{.}}\). Tvixhd1 network driver will be shown.



Hard disk content are displayed on the PC. You can copy/ move/ delete files in this directory. After making the Network drive with this TViX drive, you can play the movie from TViX while downloading or uploading files.



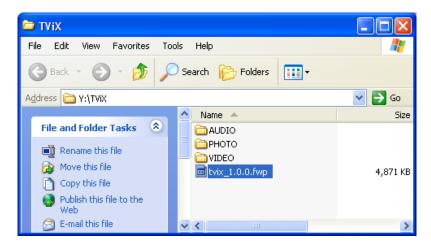
## 8 Firmware Upgrade

#### Firmware Version Check.

- Connect the TVX-HD to your TV and then turn on the TVX-HD.
- Press the SETUP button on the top panel and the setup screen will be displayed.
- Check the latest firmware version of TVX-HD Homepage
- \*\*\* You'll be notified of any firmware updates or news if you fill out the customer registration form at TVX-HD homepage.

## Downloading the Firmware.

- Download the latest firmware from Homepage to your PC.
- Connect the TVX-HD to your PC with a USB and then turn it on.
- Your system will recognize the TVX-HD as an external hard drive.
- Copy the latest firmware files into the root of the TVX-HD hard drive or USB memory device.
- Turn off the TVX-HD and bring it to your TV for firmware upgrading.



#### How to Upgrade the Firmware

- Connect the TVX-HD to your TV
- Select the copied firmware file (ex: TVX-HD1.0.0.fwp) and press OK on the remote to start upgrading.
- The following screen will be displayed. Follow the instructions on the screen.



New firmware upgrade is in process (takes about 3 minute). When the upgrade is successfully finished, the TVX-HD will reboot automatically.

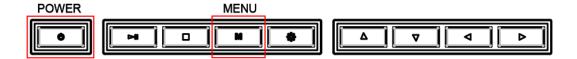
# F/W Upgrade 45%

### < CAUTIONS: Safe Mode Upgrading >

Even if the TVX-HD accidentally turns off during the firmware upgrade, the safe mode will enable the TVX-HD to be re-upgraded.

Please follow the steps below:

- Connect the TVX-HD to your PC with a USB and then turn it on.
- Copy the latest firmware files into the root of the TVX-HD hard drive or USB memory device
- The Safe upgrade will check the firmware file of internal HDD in advance and then external USB host.
- Press and hold the MENU button on the top panel and turn on the TVX-HD by using power button.



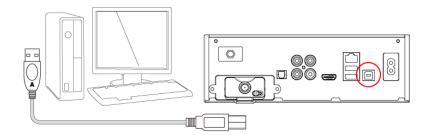
- The VFD will show the seeking FW, such as SEEK FW.
- Press OK on the control panel to start upgrading.
- The VFD will show UPG when the new firmware upgrade is in process.
- The TVX-HD will automatically reboot after the upgrade has been successfully finished.

## 9 Using USB Connection with a PC

TVX-HD uses a SATA HDD as its contents storage device and works just like an external USB 2.0 hard drive when you connect it to your PC.

The USB cable has a different shape on both ends. We use USB 2.0 "A" Plug (male) type to "B" Plug(male) type.

After connecting to your PC, turn on the power of the TVX-HD.





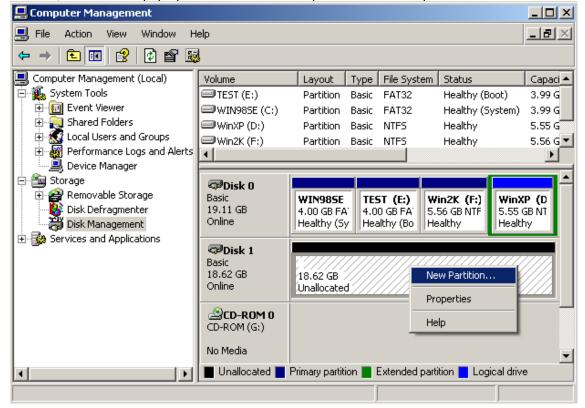
If you are a using Windows98SE user, you should download a USB storage driver from our web site before you connect your TVX-HD with your system. You do not need to install the driver under Windows ME/2000/XP

## 9.1 Making a Partition and Formatting the HDDs

■ Under Windows 2000 or above OS, you can make a partition and format the HDD using the Disk Manager utility.

Right click "My Computer" → Choose "manage" from the pop up menu and the "Computer Management" window will appear → choose "Disk Management" folder.

The disk list will appear on the right side of the "Computer Management" windows. Right click the TVX-HDD from the list, and from the pop up menu choose "make partition" to create partitions on the chosen disk.



When the New Partition Wizard appears, press "Next>".



Choose the partition type and format the HDD. If you want several partitions, select Extended Partition.



Select the partition size. If you want one partition, press "Next>". For FAT32, size is limited to 32000MB or under.



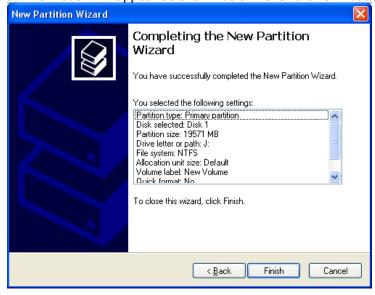
Select the Drive Letter. Then press the "Next>" button.



Select the partition Format. If you choose FAT32 file format on Windows 2000/XP, the drives maximum size will be limited to 32GBs. If you want to use a single drive letter of 32GBs or more, you have to format on Windows 98SE/ME. We don't recommend the FAT32 partition to record the DTV channel.

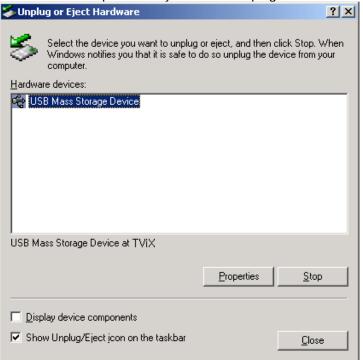


When completed, detailed information will appear as shown below. Click the "OK" button to finish.



## 9.2 Unplug or Eject Hardware

On the windows tray, double click the hot swap icon. The "Unplug or Eject Hardware" window will appear. Press the Stop button if you want to unplug the device.



Press OK on "Stop a Hardware device" window.



Press OK and unplug the device.



Close TVX-HD folder or disk on My computer before unplugging the Hard disk.



If TVX-HD folder is open, unplugging it may not work properly.

## 10 Troubleshooting

\*\* For detailed instructions, please refer to the the latest pdf file on the TVX-HD Homepage or TVX-HD FAQ.

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock. If a fault occurs, first check the points listed below before taking the system for repair.

No Screen Display. Video Output not working.	<ol> <li>Press the TVOUT button on TVX-HD remote to toggle between TV OUT settings.</li> <li>Check the TV-OUT settings and cable-type on the TVX-HD and ensure that it is consistent with the VIDEO-IN settings of the TV.</li> <li>Ensure that the Video Cable is securely connected to the TVX-HD and to the TV.</li> </ol>
The TVX-HD does not respond to the Remote Control. Menu Items cannot be selected.	<ol> <li>Reduce the distance between the Remote and the TVX-HD and try again.</li> <li>Replace remote batteries.</li> <li>Perform a Hardware factory Reset Procedure.</li> <li>Check for interference from other IR sources by trying to operate the TVX-HD with all other components turned off.</li> </ol>
TVX-HD does not recognize the HDD.	<ol> <li>Check the USB connection to the Hard Disk Drive(HDD).</li> <li>Check to ensure that the HDD has been correctly partitioned and formatted.</li> </ol>
TVX-HD does not show subtitle.	Re-name the subtitle file the same as avi file name (except for file type extensions).  TVX-HD can show the subtitle when the file name is same.
TVX-HD does not display external video	Configure the external device's A/V output to NTSC(480i)/PAL(576i) and analog sound.
TVX-HD does not display the Network-shared Folder on your PC.	<ol> <li>Check network connection between your PC and the TVX-HD.</li> <li>Reboot the TVX-HD and re-establish the connection.</li> <li>Depending on network environment, there may be a delay in searching for the network for up to about 10 minutes.</li> <li>Ensure that WEP and SSID settings are accurate.</li> </ol>
Unable to Play Xvid, or MPEG, or AVI video files etc.	<ol> <li>Ensure that the selected video file contains supported video codec.</li> <li>Run the check Disk on the SETUP.</li> <li>If playing a file from a network drive, there may be too much traffic on the network (check for virus). Try to reboot your PC and establish connection again.</li> </ol>
Time-shifting is not working in digital channel.	The first partition of the internal hard disk must use the NTFS format. FAT32 format can cause an error message.

## 11 Appendix - Technical Terms

#### **HDM**I

The High-Definition Multimedia Interface (HDMI) is an all-digital audio/video interface capable of transmitting uncompressed streams. HDMI is compatible with High-bandwidth Digital Content Protection (HDCP) Digital Rights Management technology.

HDMI provides an interface between any compatible digital audio/video source, such as a set-top box, a DVD player, a PC, a video game console, or an AV receiver and a compatible digital audio and/or video monitor, such as a digital television (DTV). In 2006, HDMI began to appear as a feature on prosumer, HDTV camcorders and even high-end digital still cameras.

#### DivX

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DivX is the name of a revolutionary new video codec which is based on the new MPEG-4 compression standard for video. When you install a video codec on your system it basically works as an add-on to your system with instructions on how to compress/decompress video in that video format. Once you've installed the DivX codec on your system you will be able to play DivX movies using Windows Media Player or any other DivX-enabled player.

Despite the fact that DivX movies offer better compression and higher quality video than regular MPEG movies it takes more time to encode due to the incredible compression technology. The DivX codec makes it possible to compress/encode a full-length movie at near DVD-quality, which is small enough to fit on a single CD (700MB). The DivX video is usually combined with MP3 audio to produce both high quality video and audio.

#### Xvic

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XviD is the name of a new open-source video codec, which like the DivX is based on the new MPEG-4 compression standard for video. It's currently being developed by people from all over the world. When you install a video codec on your system, it basically works as an 'add-on' to your system with instructions on how to compress/decompress video in that video format. Once you've installed the XviD codec on your system you will be able to play XviD movies using Windows Media Player or any other XviD-enabled player.

#### MPEG

MDEC stands for Metion Distance Events Consult This is the

MPEG stands for Motion Picture Experts Group. This is the same group that made the MPEG-1 (used in VideoCDs), MPEG-2 (used in DVD and SuperVCDs and other high bandwidth systems) and MPEG-4 (ASF, DivX, WMV, low-mid bandwidth systems) standards. They are also responsible for MP3 (MPEG Audio Layer 3) and AAC audio compression standards.

#### VOB

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VOB stands for Video Objects. DVD movies are stored in VOB files. Each VOB file has a number of video/audio/subpicture streams.

#### **AVI**

AVI stands for Audio Video Interleave. AVI is a file format, like MP3 or JPG. But unlike these formats, AVI is a container format, meaning it can contain video/audio compressed files using many different combinations of codecs. Therefore, while MP3 and JPG can only contain a certain kind of compression (MPEG Audio Layer 3 and JPEG), AVI can contain many different kinds of compression (eg. DivX video + WMA audio or Indeo video + PCM audio) as long as a codec is available for encoding/decoding. All AVI files look the same on the "outside", but on the "inside", they may be completely different. Almost all tools on this site are not just DivX tools, but also AVI tools, so will work with many other codecs.

#### AC3

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Initially known as Audio Coding 3, AC3 is a synonym for Dolby Digital these days. Dolby Digital is an advanced audio compression technology allowing to encode up to 6 separate channels at bit-rates up to 448kbit/s. For more information please check out the Dolby website.

#### DTS

By supplying film studios with outstanding techniques for delivering soundtracks to an attentive audience, DTS digital sound is now featured on virtually 100% of major Hollywood releases. Although the technology used for motion pictures differs from that featured in consumer and professional audio music and home theater systems, their DTS heritage means end users can enjoy sound that closely matches the original.

#### WMA

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WMA stands for Windows Media Audio. It is a proprietary format developed by Microsoft for audio streaming and compression. WMA files, theoretically, has double the compression rate of MP3s, although this is debatable.

## Ogg Vorbis

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Ogg Vorbis is a new audio compression format. It is roughly comparable to other formats used to store and play digital music, such as MP3, VQF, AAC, and other digital audio formats. It is different from these other formats because it is completely free, open, and unpatented.

Ogg Vorbis has been designed to completely replace all proprietary, patented audio formats. That means that you can encode all your music or audio content in Vorbis and never look back.

#### 480P

480 progressive; form of standard-definition digital television (SDTV) comparable to VGA computer displays but not considered high-definition television (HDTV), though 480p is discernibly cleaner and slightly sharper than analog television. The native resolution of DVD is 480p, but that resolution can be seen only if a DVD player outputs a progressive-scan signal and the DTV has progressive-scan or component-video inputs; it is also known as EDTV.

### 720P

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720 progressive. One of two currently used formats designated as high-definition television in the ATSC DTV standard, this technology comprises 720 vertical pixels and 1,280 horizontal pixels. The p stands for progressive, as opposed to interlaced, scanning, which is used in the other accepted HDTV standard, known as 1080i. Contrary to myth, 720p is not inferior to 1080i; 720p has fewer lines but also has the advantages of progressive scanning and a constant vertical resolution of 720 lines, making it better able to handle motion.

#### 1080i

1080 interlaced; one of two formats designated as high-definition television in the ATSC DTV standard, with 1,080 vertical pixels by 1,920 horizontal pixels. The i stands for interlaced, as opposed to progressive scanning, used in the second HDTV standard, 720p. Contrary to myth, 1080i is not superior to 720p; 1080i has more scanning lines but also suffers the disadvantages of interlaced scanning.

#### NITSC

NISC

The NTSC (National Television Standards Committee) was responsible for developing, in 1953, a set of standard protocol for television (TV) broadcast transmission and reception in the United States. Two other standards - Phase Alternation Line (PAL) and Sequential Couleur avec Memoire (SECAM) - are used in other parts of the world. The NTSC standards have not changed significantly since their inception, except for the addition of new parameters for color signals. NTSC signals are not directly compatible with computer systems. An NTSC TV image has 525 horizontal lines per frame (complete screen image). These lines are scanned from left to right and from top to bottom. Every other line is skipped. Thus it takes two screen scans to complete a frame: one scan for the odd-numbered horizontal lines, and another scan for the even-numbered lines. Each half-frame screen scan takes approximately 1/60 of a second; a complete frame is scanned every 1/30 second. This alternate-line scanning system is known as interlacing.

## PAL

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Phase Alternation Line (PAL) is the analog television display standard that is used in Europe and certain other parts of the world. PAL is one of the three major TV standards together with the American National Television Systems Committee(NTSC) color television system and the French Sequential Couleur avec Memoire (SECAM). NTSC is also used in Japan. SECAM is used in countries of the former Soviet Union. Like SECAM, PAL scans the cathode ray tube (CRT) horizontally 625 times to form the video image. NTSC scans 525 lines. Color definitions between the systems vary slightly.

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