User Manual

TVX-PVR M-6620



- TVX-HD M-6600A optional DVB-T dual tuner
- TVX-HD M-6600N Memory Card Reader + Internal Wifi + optional DVB-T tuner
- TVX PVR M-6620N Memory Card Reader + Internal Wifi + ATSC Dual digital TV
- TVX PVR M-6640N Memory Card Reader + Internal Wifi + DVBT Dual digital TV

** Some specifications could change 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 TVX-HD unit. Doing so may cause malfunction or fire.



Place all magnetized devices, such as speakers, away from the TVX-HD .It may erase or cause damage to the data stored in the hard disk.



Do not place the TVX-HD in places that are exposed to oil, water, dust, humidity, rain or wind.



Keep your TVX-HD away from heated areas, such as direct sunlight exposure, heaters and 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. A LAND

Do not drop the TVX-HD 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 are not using 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 TV.

• Cleaning the TVX-HD

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

Antenna connector

We recommend that you use a threaded-type antenna connector.

• Checking Digital signal Reception (PVR)

- 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 (PVR)

• 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. and this is why you should 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.

• Connecting USB cable

When connected to a computer through an USB cable, TVX-HD acts as an external USB storage device (In this state, there is no video/audio output, and the VFD will indicate 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 you want to detach the HDD, let it cool down first before you start handling it.

Supplied cables

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

• Unplugging 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 drive's 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 it 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 disks. We recommend periodic backups to prevent data loss.
 - ** Some functions will require you first to update it to the latest firmware.

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1 Introduction

1.1 **HDTV PVR Function**



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



TIME-SHIFTING

Time-shifting is a function that allows the user to record broadcasts, and save them in a storage device so that they can be viewed at a more convenient time for the user. When you are interrupted while watching a live TV program (such as picking up phone calls & answering the door), all you need to do is simply press the OK button to freeze the picture for a period of time, and then press OK again later in order to restart it from where you have 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 help the user not to miss a any programs on digital TV. It's a completely different type of PVR since you can easily upgrade and expand the HDD capacity yourself, which is similar to PC upgrading. And you can back up recorded files to/from a PC. In case of dual tuner, you can watch other channels while recording a program of your choice.



TVX-HD PVR implements DTV features such as EPG-scheduled recording and connection to PC, to let the user enjoy all the dainty bits of digital broadcasting as well as supreme audio and video qualities. You can set up scheduled recording and scheduled watching using the EPG window.



When using the DTV mode, you can easily reserve for sleep mode time with the FUNCTION key. If the sleep mode is enabled while it is still recording something, the TVX-HD will shut down after it finishes 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 any illegal purposes. The party or parties who record or distribute contents bear all the I 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 on TV screens and home entertainment systems. You can enjoy digital contents in your living room without having to burn discs or 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 the original features are included: Menu, Chapter, Audio Stream, Subtitle, Fast Forward, Rewind, Pause, Repeat, Search etc.).



TVX-HD can play high-definition videos (up to 1920x1080P) and still images. Pre-recorded HDTV programs from a digital TV set-top box or personal digital video contents recorded by a camcorder can be played back with the TVX-HD on a high-definition screen. The TVX-HD features an 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. and H.264, which is a brand-new and superb compression technology. It can now play more stunning HD movies with lower storage requirements.



HDMI provides unparalleled qualities to digital videos and audios, while DVI only serves digital videos. With HDMI you don't have to deal with multiple AV cables. It lets you make a connection to digital videos as well as audios, and enjoy them with just one cable. 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 stereo sound quality.



The TVX-HD can be networked with a PC system using either a wired network or its optional wireless network adapter. You can 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's FTP server and Samba server allow you to transfer files from your PC. It also allows you to connect to network easily with uPnP support, and it does not require an IP address. You can immediately playback uPnP connected files.



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 cameras, USB flash drives, USB flash card reader or an MP3 player.



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1.3 Audio Player Function



• TVX-HD can play a variety of audio files such as FLAC, MP3, Ipod, AAC, Ogg Vorbis and WMA (Windows Media Audio) through TV speakers and many other audio systems. You can listen to your favorite music files without hesitation, by organizing a custom winamp playlist. Now you can enjoy music all day long without having to keep changing CDs.

• TVX-HD supports playlist function that is based on *.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



• TVX-HD can be used as an external storage device by connecting it to a PC, and you can then save videos audios image files, data, program backups and etc.

• USB 2.0 enables TVX-HD to support speeds up to 480Mbit/s.

• 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 supports Plug & Play, Windows will automatically recognize TVX-HD the instant it is connected to the system

• If you connect a USB Cable between a PC and TVX-HD during a playback, the VFD will display "USB ON." Even when you disconnect the USB, you do not have to reboot the TVX-HD to continue using it.

• If you are a Windows98SE user, you should download a USB storage driver from our website before you connect your TVX-HD to your system. You do not have to install a driver in Windows ME/2000/XP.

• You can download the latest NetShare Software from our website to configure an NFS network server on your PC. If you select the NFS mode, you can play high bit-rate transport stream or DVD image files without any stutters.

1.5 Specifications

MODEL	TVX-PVR M-6620			
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, .flv			
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, WMA Pro, AAC, Ogg, Dolby Digital, WAV			
Audio	DTS Pass Through and Down Mixing			
Photo	JPG, JPEG (Progressive JPEG not Support), BMP, PNG, GIF, TIF			
	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 (6600N) : 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, .ssa, .ass			
Cooling FAN	60mm Brushless FAN, Temperature Sensing, Variable Speed			
Memory	256M byte			
Power	AC 90-250~ 50/60Hz			
Language	English, Traditional Chinese, Japanese, Spanish, French, Germany, Italian, Korean, Dutch, Russian, Rumanian, Bulgarian, Hebrew, Czech, Vietnamese			
Size	215x70x215 mm (W x H x D)			

2 Name of Each Part

2.1 Unit Control button

TVX-HD can be controlled by the buttons on the product as well as by the remote control.



The current state of the product can be checked on the VFD on the front. The image of the VFD below could be different from the actual one.



2.2 Cable Connection

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

In case of 6600N model, the Memory card reader is placed on the side of the unit.



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



Quick Guide

Manual CD

Power Cable

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

** 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 the instructions below. If you have a preinstalled HDD, you may skip this chapter.



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

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



Position the HDD as in the below picture and then insert it.



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





Close the lid of TVX-HD.



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



3 Installation and Connection

3.1 Connecting the Video

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

Connection to Composite



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

Select the 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 an HDMI cable.

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

HDMI cable can transmit uncompressed audio and video signals together at the same time. No additional cables are needed.

NOTE:

After you connect the video cable to your TV, you must press the TV Out button on your remote repeatedly control until you see the main page of the TVX-HD on the screen.

3.2 **Connecting the Audio**

Connection to 2 CH Normal TV



Connect the two audio cables, the white one on the left side and the red one on the right side, to the appropriate terminals of your TV or Hi - Fi system for sound output.

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

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

NOTE

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

Connection to 5.1CH Amplifier (Digital)



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 any external hard disk to play files stored in 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 control, 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 must be turned off.

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

We recommend using a threaded-type antenna connector. Move it clockwise to tighten it.

If the signal strength meter does not reach even half of the scale, adjust your antenna to increase the signal strength. Continue adjusting the antenna until you find the position that gives the strongest signal.



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

** Connect the included power cable at 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 (at the back of the TV).

3.5 Using the remote control

This indicates Remote control Buttons.

POWER	0	Toggle Unit Power on / off
MUTE		Stop Audio Output from the Player
HDTV	Õ	Switch between TV or DTV mode
MOVIE	8	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	(\mathbf{M})	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	р/II Ок	Selection/play/pause/time-shifting on/pause
ARROW	(\mathbf{I})	Cursor Navigation Arrow/Rewind / FF playback
RETURN		Stop Playback/Return to Previous Screen / Folder
VOL + / -	+	Volume (Increase / Decrease)
CH + / -		Switch TV channel/adjust subtitle sync
INFO	(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	(CD)	Repeat Media file(s) Playback
SHUFFLE	(x ;	Switch between Random – Sequential Playback
TV OUT	(Č)	Toggle Video Output Modes
TITLE		Select subtitle file
MENU	*	Display Main Menu Screen/ DVD Title Screen
FUNCTION	$\overline{\bullet}$	File copy/ folder password/ Sleep Timer
GUIDE		Display DTV EPG Guide
BOOKMARK/SCH	Ø	Bookmark / manual recording in TV mode
ADD/DELETE		Add/Remove the recording list/ delete file
REC	$\overline{\bullet}$	Instant recording in DTV
L	\smile	



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

3.6 Initial Setting

Connect the TVX-HD to your TV using A/V cables, and turn on the TVX-HD. You will see the following screens when you turn the unit on for the first time or when you select "Load Default Setting".

When you see the initial page on your TV screen shown in the picture below, press the "OK" button on the remote control.

- In case of HDMI connection: TVX-HD does not show this page but sets to the best resolution automatically and leads you to the next stage, "Language setting".
- In case of other connections: TVX-HD changes screen resolutions between NTSC, PAL, 480P, and 576P about every three seconds until the "OK" button is pressed, so press the "OK" button when you can see a clear screen.



Select the language.

Select a Menu Language
English
繁體中文
日本語
Español
Français
Deutsch
Italiano
한국어
Nederlands
Русский
简体中文
Romana

Now you can see the TVX-HD main page.

4 TVX-HD Setup Menu

4.1 SYSTEM Setting

(A)

List mode

This section is about SYSTEM (Language or Time) settings. Press SETUP button on the remote control 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 move on to the next setup.

SYSTEM	ö; • 🛃 • č
t	
Menu Language	English
File List Type	List
Date & Time	Manual
🜔 Auto Run	On
[+] Set Screen Position	Menu Position
Q Check Internal Drive	
Fut Automatic F/W Update	
Default Settings	
Menu Language : Select your language.	
File List Type : Switch to File list mode ,Preview or icon mo	ode.

SAMPLE_VIDEO2.avi

Ultimate PVR with HD Digital Jukebox





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

4.2 Audio/Video Setting

This section is about A/V (Video or Audio) settings. Press SETUP button on the remote control 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 move on to another setting.

AUDIO & VIDEO	¢‡ * 🛟 * Č
t	
Audio Output	
Dynamic Range Control	Off
RF mode Compression	Off
Video Output	720P 60Hz
Aspect Ratio	16:9
🖌 Video Adjust	
Video Auto Switch	Off
Apply Video Output	

00

Set the **audio output** setting.

Select the HDMI or the S/PDIF that you want to hear the audio.

If you select the S/PDIF, you can set the detailed audio output with your Decoder/Amplifier. We recommend you to set the Dolby Digital and DTS to digital and AAC to analog.

You don't need set this option when you connect RCA cable.

- Audio Output HDMI SPDIF All Digital All Analog Custom Digital Analog AC3 Digital Analog DTS AAC Digital Analog CANCLE **OK**
- **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.

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Dynamic Range Control : This function is for either decreasing high level sounds or increasing low level sounds.

[ON]: low volume at late night.

[OFF]: full dynamic range of the volume.

RF Mode Compression : This function keeps approximately constant average loudness levels between different audio formats. Users do not need to adjust their volume control as they switch between program services.

Turn it off to enjoy full dynamic range of Dolby Digital.

cable. With HDMI setting, you can select an output resolution between NTSC,PAL, 720p 50hz/60hz, 1080i 50hz/60hz and 1080P. 1080i should 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.



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Video Auto Switch : is used when the video out is changed according to the 1080P 24Hz format.

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

4.3 HDTV Setting

This section is about HDTV settings. Press the SETUP button on the remote control 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 move on to the next setting.

Ŏ	HC	ντ	F × 🔘 × 🖾
	t		
_	Y	TV Input	Air
_		Country/Location	USA
_	Ð	Time Zone	[GMT-06:00]Central America
_	\odot	Daylight Saving Time	Off
_		Audio Language	English
-	Ch.	Start Channel Scan	

- Y
- **TV Input** : Select your input.
- TVX-HD M-6600A optional DVB-T dual tuner
- TVX-HD M-6600N Memory Card Reader + Internal Wifi + optional DVB-T dual tuner
- **Country/Location** : Select your country or location.
 - **Time Zone** : to use the EPG guide with the correct recording time zone, you have to configure your time zone by using the arrow keys.



Æ

Daylight Saving Time : set this option on if you are in the area of DST.

Audio Language : select default audio. To change the audio format, press the AUDIO button on the remote control.

Start Channel Scan : Press 'Start Channel Scanning' if you want to scan the channel.



4.4 PVR Setting

This section is about PVR settings. Press the SETUP button on the remote control, and select PVR.



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 move on to the next setting.

This setting will be activated when you connect the tuner box.

	2	PV	R	
		t		
		Ģ	TimeShift Duration	2 Hour
		Ō	Auto TimeShift Start	On
Ō	TimeShift Dur	ation :	Set the maximum time-shifting inte	erval.
Ō	Auto TimeShi	ft Start	: Time-Shifting automatically starts	s when the product is switched to TV mode.
	· 🛧		00.30.24	120 min

4.5 NETWORK Setting

This section is about NETWORK (Network or FTP) settings. Press the SETUP button on the remote control, and then select NETWORK.



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

It allows you to connect to network easily with uPnP support, and it does not require an IP address. You can immediately playback uPnP connected files (even full HD files) on wired/wireless network environment.

With Samba Server technology support, it can be used as a network storage device using a window explorer for PC users, and it can also be used like a computer hard disk by specifying the shared folder between users in the same network as a network drive.

With NFS, TVX-HD can play high bit-rate files from a PC flawlessly over a LAN. We recommend NFS connection over 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.

To use the network with the Netshare, first please connect TVX-HD into PC with USB cable to be authenticated once.



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 to TVX-HD after connecting the AP Router to a PC. Press "Search Wi-Fi Network" to search for your AP or AP router. Spend some time searching for it, and you will see the AP LIST popup menu. Select the AP that you want to connect to.

AP LIST	Input Network Key SSID :
B IP ADDRESS 1	AP_Test
🔂 IP ADDRESS 2 🛛 🖓 🖓 🕹	 Input Key Type :
IP ADDRESS 3	Hex code String
IP ADDRESS 4 Y⊗	Network key :
	OK

2

Setup Network Disk : This function searches and helps you find PCs connected to the network. SAMBA: If you have a guest account, shared folder names can be listed and can be selected. NFS: Connected PCs are listed automatically in NFS of NAS storage or Netshare. In case of Netshare, if you select a tvixhd1 or tvixhd2, IP of PC is displayed.



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

A)	NE	TWO	RK		₹	중 ++
	t					
		Default	TViX Network	Info		
		Wired I	IP Address :	172.028.00		
	3	Wi-Fi If	Subnet mask : DNS Server :	255.255.0 172.028.0		
	ľ0	Search	MAC :	00:01:04:8	30:08:D9	
		Setup I				
	Ê	TViX Ne	etwork Info	Wire	ed Informat	tion
	FTP		PW			

FTP ID/PW : to use FTP function, you must use the ID & password displayed on the Network in Menu within SETUP. The FTP ID is tvixftp. You can use capital letters only for the password.

4.6 MISC Setting

This section is about MISC (Photo effect and Subtitle) settings. Press the SETUP button on the remote control, and then select MISC.



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

╉	MISC	
	t	
	Screen Saver	Off
	Slide Show Effect	All Effect Shuffle
	Slide Show Delay	5 Seconds
	ABC Subtitle Color	White/Black
	Smart Navigation	Smart
	S Fan Speed	Normal
	Set Folder Password	

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

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



6

 \sim

Slide Show Delay: Set the slideshow time interval.

Subtitle Color : Change the color and outline of subtitles.

Smart navigation : If there is a VIDEO_TS.IFO file in the folder, clicking on the DVD folder will automatically play back .VOB content.

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



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

		·		
CHANGE PASSWORD				
Password	0000			
New Password				
Confirm				
ОК	CANCEL			

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.





👝 « TViX (E:) 🕨 م 🔻 🍫 Search Views 📰 Explore 🛛 👧 Share 0 Name Date modified Favorite Links MOVIE 7/16/2008 2:58 AM Documents MUSIC 6/17/2008 7:51 PM Pictures 📗 РНОТО 6/17/2008 7:51 PM Nusic More » Folders 4 🜉 Computer . b Local Disk (C:) 👝 DATA (D:) TViX (E:) _ . MOVIE File Folder Date modified: 7/16/2008 2:58 AM

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

Double click on the icon 'My Computer', 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 and name them as MOVIE, MUSIC, and PHOTO. Then store all your files accordingly to each folder.

5.2 Movie Playback

you will be able to play the video file.

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



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

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



After selecting the icon, press the



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,

►/II



5.3 Music Playback



You can copy audio files to the MUSIC folder in advance and play music files..

If you cannot see the MAIN MENU screen, press the



) button on your remote control.





5.4 Photo Playback



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



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

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 any illegal purposes. 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-6600N Memory Card Reader + Internal Wifi + optional DVB-T dual tuner

** Without internal tuner box, some functions of PVR (EPG or Channels) will not work.

6.1 Channel Scanning

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

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



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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.



on screen when you press an invalid key.

* 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 control 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 control and the channel will change after a few seconds.

- Previous Channel(SHUFFLE button).

To check the scanned-channel list, press the GOTO button() in 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.



Ŏ			FAV 775.25Mhz
05-1	EBS DTV		
06-1	SBS DTV		
07-1	KBS DTV		
08-1	CBS DTV		
09-1	KBS DTV		
320-008	KBS DTV		
320-008	KBS DTV		
320-008	KBS DTV		
1997	H	1/3	₩
G 전호 채	널 삭제		▼ CH ▲ 위로/아래로

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() 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.



€ Up Folder	
😥 09-09-02 SPORT.tp	
🚱 09-09-03 NEWS.tp	
🕺 09-09-04 SHOW.tp	

• 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.

HDD	169.2 GB/1368.0GB
Rec1 CH. 7-1 KB 09-05-20(W	2 HD 5) HD SPORT WORLD
00:18:14	00:30:00 2.5GB

- 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.
- The information about the current broadcast program can be seen when you press the INFO button



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• 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(GUIDE) 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.

FCH 09 : KBS 2 HD[1920x1080] 10:00 ~ 17:10 11-1 Sports World 2008-05-20 16:40 ~ 18:00 2008-05-16 16:46 PM 0:11 Sports World 2008-05-20 16:40 ~ 18:00 2008-05-16 16:46 PM 0:12 0:17 0:5/18 05/19 05/20 05/21 05/22 05/23 05/23 05/20 0:45[45] Sample program 01-11 MBC DTV 01-45[45] Sample program 0:25[120] Sample program 025[120] Sample program <th>EPG</th> <th>Channel Date Program</th>	EPG	Channel Date Program
CH 09: KBS 2 HD[1920x1080] 16:00 ~ 17:10 02:55[40] Sample program 05:55[40] Sample program 05:50[5] Sample program 07:00[60] Sample program	SAA	11-1 Sports World 2008-05-20 16:40 ~ 18:00 2008-05-16 16:46 PM
CH 09 : KBS 2 HD[1920x1080] O:25[40] Sample program 05:25[30] Sample program 05:25[40] Sample program 05:25[30] Sample program 05:25[40] Sample program 05:25[30] Sample program 07:00[60] Sample program		
02.25[60] Sample program 03.25[120] Sample program 03.25[120] Sample program 05.25[30] Sample program 05.25[30] Sample program 05.25[40] Sample program 05.25[30] Sample program 06:25[35] Sample program 07:00[60] Sample program		00:45[45] Sample program
03:25[120] Sample program 05:25[30] Sample program 05:25[30] Sample program 05:25[40] Sample program 06:25[35] Sample program 06:25[35] Sample program 07:00[60] Sample program		01:25[45] Sample Program!
CH 09 : KBS 2 HD[1920x1080i] 05:25[30] Sample program Program name : Cosmos adventure 05:55[40] Sample program 16:00 ~ 17:10 06:25[35] Sample program 07:00[60] Sample program		02:25[60] Sample program
CH 09 : KBS 2 HD[1920x1080i] 05:55[40] Sample program Program name : Cosmos adventure 06:25[35] Sample program 16:00 ~ 17:10 06:25[35] Sample program 07:00[60] Sample program		03:25[120] Sample program
Program name : Cosmos adventure 05:55(40) Sample program 16:00 ~ 17:10 06:25[35] Sample program 07:00[60] Sample program	Program name : Cosmos adventure	05:25[30] Sample program
16:00 ~ 17:10 06:25[35] C Sample program 07:00[60] Sample program		05:55[40] Sample program
		06:25[35] Gample program
		07:00[60] > Sample program
08:00[50] Sample program		08:00[50] Sample program

GUIDE	Open/Close an EPG Guide window.	
	Change the displayed EPG Date backward.	
	Change the displayed EPG Date forward.	
•	Change the displayed EPG channel.	
	Change the EPG list highlighted item.	
Þ/II OK	Select the program to schedule by using up/down button and press OK button.	Add a new Schedule Choose a schedule type. Start : 17:12[58] Channel : 7–1 KBS2 HD Program : HD SPORT WORLD
		Recording Watching CANCEL

In order to record by auto-rebooting when the TVX-HD is off, the TVX-HD has to be off 3 minutes before the recording time. It will automatically switch to TV mode and start recording. When the TVX-HD is on, it starts reserving at the reserved time.

6.2.4 Manual Recording

11 Setting up of manual recording reservation can be done in TV mode or in file list mode. In TV mode,

press the BOOKMARK/SCHEDULE button (). Manual reservation bases on the time shown on VFD. Please set the date as auto(Via TV) mode in SETUP-SYSTEM before you do the manual reservation.

Sched	ule			
Recording Channel and program 7-1 KBS HD Manual schedule		program	▶ Recording Time 2009/04/22 [Wed] AM 11:39 ~ PM 12:39	
Date	Time	Channel	Cycle	Туре
04/22 [Wed]	AM 11:39	KBS HD	Once	Recording
04/24 [Fri]	AM 06:00	SBS	Once	Watching
			+ Add/Delete	ok Edit

Press ADD/DELETE button (DELETE) in order to manually reserve for recording. Reservation set up goes through three steps.

After the set up for the reservation date is done, press OK in order to set up the starting time and finishing time. Midnight twelve o'clock is AM 12:00.

Set Schedle		
1. Date	2. Time	3. Repeat/Etc
Sun Mon Tus Wed Thu Fri Sa 1 2 3 4 5 6 7 2009 8 9 10 11 12 13 14 01 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Start AM 10 : 49 ~	End AM 11 : 49 Next
▼CH▲ Month	Next O C	ancel 🛛 🐼 Select

Set up the recording period in the Repeat selection section. Repeat selection section changes depending on the day of the week. Set the input device as Digital TV, and then choose the channel that you want to reserve for recording. There are recording reservation and viewing reservation available.
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Set Schedule	e		Date/T	ime : 2009.01.20	[Fri] AM 10:49
1. Da	ate	2. Time		3. Repeat/Et	c
	Select Cycle				
	Once	Source	Channel	Туре	
	Every Day				
Back	Mon~Fri	Digital TV	7-1 KBS HD	Recording	Save
	Mon~Tue				
	Every Mon				
	3	🕞 Next	Cancel	or Se	lect

Reservation steps could be rearranged when you press the Next Content button ()) on the remote control.

In order to play the recorded files, press MOVIE, switch to File Mode, and then select the recorded file. Or you can also press BOOKMARK/SCHEDULE button, select Recording List, and then play the recorded file.

5 You can play a recorded file on the REC list.

Path REC /PVR/SBS	REC List
File name 09-04-20(Mon) HD Program	REC Time
09-04-20(Mon) SD Program	120 Min
	OK Play

In order to record by auto-rebooting when the TVX-HD is off, the TVX-HD has to be off 3 minutes before the recording time. It will automatically switch to TV mode and start recording. When the TVX-HD is on, it starts reserving at the reserved time.

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.



* Pressing the Zoom button while you are playing files, you can change the screen as ZOOM +/- --> screen Scroll --> save.

7 Using the remote control

7.1 Descriptions of Each Button

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 control, the TVX-HD MOVIE folder contents are displayed on the TV Screen.

			UPnP
🔪 Up Folder			
SAMPLE_VIDEO1.avi			
SAMPLE_VIDEO2.avi			
SAMPLE_VIDEO3.avi			

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



<NOTE>

Þ/II ok	Play or pause file.
	Stop playing a file.
	Go to the next file.
	Go to the previous file.
(Shows information of the contents.
INFO	Video Test.tp Video Info : H264, 1920*1080, 23.98Hz Audio Info : DTS, 6Ch/48.0kz/24bit Audio No. : 10/03
	00:33:06 01:39:05 C C File size : 4.3GB



Pressing Info button while you are not playing files shows remaining HDD space.

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.

② 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. (Currently this mode is not supported)

③ 16:9 can adjust any ratio of the multimedia file to the TV screen with the original image.









Pressing the Zoom button while you are playing files, you can change the screen Vol + : change from 1X to 9X. CH+/- : change 0% ~ 180% Left/Right/Up/Down : Scroll the screen. Zoom and scroll function will be default when you stop the video.





Subtitle color or outline is configurable on the SETUP-MISC menu.

Supports .SUB (bitmap) + .idx subtitle files as well as MKV internal subtitle or smi external subtitle

Some subtitle is not available to change the subtitle position, size or sync.



Select subtitle you want and press right button on your remote control to change the position, size or sync of subtitle.

Change Subtitle Position :

Change Subtitle Size :

Change Subtitle Sync :

You can also change the subtitle sync by using CH +/- button on your remote control.

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00:47:21

01:12:37

0



(**C**)

ADD

•

FUNCTION

₩.

SETUP

С

TITL F

C‡

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.

🗶 Up Folder	
Sample DVD	
Sample ISO.iso	
🗶 Up Folder	
	

< DVD Jukebox Keys >



** 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 control, 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.

MUSIC

TVX-HD displays **under** on screen when you press an invalid key. 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.



** Some functions may require updating to the latest firmware.

< NOTE >

Р/II ОК	Play or pause file.
	Stop playing
	Go to the next file.
	Go to the previous file.
INFO	Show the information of the audio file. If there is no Tag information, it displays basic file information.
	FF/REW button. CH Up/Down Button : 15 seconds skip or 15 seconds backward.
X	Shuffle Function (Random Playback), Press the Shuffle button to play the files of the present directory randomly.
(C)	REPEAT : Adjust the play mode to repeat Track, repeat All or repeat off.

7.1.4 Image Playback

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

	- nP
€ Up Folder	
SAMPLE_PHOTO1.jpg	
SAMPLE_PHOTO2.jpg	
SAMPLE_PHOTO3.jpg	

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

TVX-HD displays

on screen when you press an invalid key.

< NOTE >



With Zoom mode, you can scroll the image by pressing the arrow buttons.

- 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 <u>may</u> come in handy.

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

Name	Date modified
🌗 Autorun	8/1/2008 2:27 AM
🌗 Movie	8/1/2008 2:27 AM
🌗 Photo	8/1/2008 2:27 AM

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

🕌 « 🕨 Autorun	← ← Search	
✓ I Views ▼		
	Name	Date modified
	Autorun1.mp3	9/26/2007 11:40 PM
	Autorun2.mp3	9/26/2007 11:40 PM
	Autorun3.mp3	9/26/2007 11:40 PM

If you want to change the setup, push the SETUP button on the remote control. 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.

2 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.

8	- WINAMP -		🛾 🖾
<u>Eile Play Options Vi</u> e	w <u>H</u> elp	VIDE0/VIS	s Eile Playlist Sort Help
Play <u>f</u> ile	L		1. http://cast6.inlive.co.kr:9100
Play <u>U</u> RL	Ctrl+L		2. [ICY 400 Server Full] hTtP://pc3pc3.inlive.co.kr
Play <u>f</u> older	Shift+L		3. [ICY 400 Server Full] http://pc3pc3.inlive.co.kr 4. [ICY 400 Server Full] http://pc3pc3.inlive.co.kr
Play <u>b</u> ookmark	+		4. (IC Y 400 Server Pulij h tP.//pcspcs.inlive.co.kr
Open <u>p</u> laylist	Ctrl+O		
Save playlist	Ctrl+S	CONFIG 6	(C Add) (Rem) (ESel) (Misc) (C Manage Playlist)
<u>A</u> dd Media to Library,			
⊻iew file info	Alt+3		
E <u>x</u> it	Alt-F4		

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

7.2.2 Using playlist

TVX-HD allows you to make/edit a playlist without you having to turn on your PC.

Move to a folder where you want to create a list, and then press the FUNCTION button.

From the set-up image(as shown below), select the playlist image.



Playlist addition is separated into two windows. Select a file that you want to add from the left window, and then click on OK in order to add the file to the list on the right side.

📞 Up Folder			New playlist		[1 /1]
SAMPLE_AUDIO	1.mp3		SAMPLE_AUDIO1.m	ip3	
SAMPLE_AUDIO	2.mp3				
🎜 SAMPLE_AUDIO	93.mp3				
K Add to play list		🔵 Exit		OK Save	9
1/1 📕 /Music/Samp	le		CH‡ Up/Down		

You can move around between the two windows using left/right direction keys.

	Z	N	1
Į	n,	21	5

Left window : make additions to the playlist, Right window: save the playlist file

Leave the playlist window. If you leave without clicking on OK on the right window, the list does not get saved.

Remove the selected list from the right window.

Change the order of playback on the right window.

Completed list(playlist xx.m3u) is saved where you pressed on FUNCTION, or the place you started to make a playlist.

Since the location is fixed, if you wish to save it in a particular folder, create a folder, and then select the playlist addition button in that particular folder

If you want to edit list files, go to list file(playlist xx.m3u), select FUNCTION, and then select the "edit list"



** Image file is not available when adding the play list.

** It will not play the file if the location of the saved list file is changed.

7.2.3 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)

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.



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 checked.

t	Up Folder
5. 🗹	SAMPLE_AUDIO1.mp3
1	SAMPLE_AUDIO2.mp3
5	SAMPLE_AUDIO3.mp3

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

I You will see progress pop up after pressing PASTE icon as shown below

COPY PROGRESS	ING
copy testing.avi	50%
1 / 1 Files	Total 50%

7.2.4 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 control.
- Select the Set Password icon to set up the password. 3

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.



Toggle file list type



File select



Add Playlist

File copy



Edit Playlist





Set password



File delete



Remove password



Cancel/Exit

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

- Perform the SETUP-SYSTEM-Load default settings if Admin Password is lost
- The password should consist of numbers only.
- You cannot delete a folder protected by a password with the delete key. Remove the password first.



8 Using Network

8.1 Using UPnP

< 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 TVX-HD.

< 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.

The UPnP allows you to connect to network easily with uPnP support, and it does not require an IP address. You can immediately playback uPnP connected files (even full HD files) on wired/wireless network environment.

With Samba Server technology support, it can be used as a network storage device using a window explorer for PC users, and it can also be used like a computer hard disk by specifying the shared folder between users in the same network as a network drive.

Netshare program allows you can play the TP or DVD jukebox without stutter easily.

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.

8.1.1 How to set up UPnP server to your PC

Although there are various UPnP servers for PC users, We would like to recommend you all to use XBMC UPnP server which is relatively easy to use and supports external subtitles.

Download the latest XBMC Media Center for Window from XBMC homepage

at http://xbmc.org/download/	🖛 XBMC Media Center Setup
Run the XBMC Media center Wizard. When you click 'NEXT', it installs automatically. Then, additional setup is not necessary.	Welcome to the XBMC Media Center Setup Wizard In wizard will guide you through the installation of XBMC Media Center. It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue.
	Next > Cancel
	Choose Components Choose which features of XBMC Media Center you want to install.
Choose the components you want to install.	Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Press 'NEXT'.	Select the type of install:
	Or, select the optional components you wish to install: ✓ XBMC ✓ Language ✓ Skins ✓ Scripts ✓ Plugins
	Space required: 135.8MB Position your mouse over a component to see its description.
	Nullsoft Install System v2,44
	🛥 XBMC Media Center Setup
XBMC Media Center has been installed on your	Completing the XBMC Media Center Setup Wizard
computer	XBMC Media Center has been installed on your computer.
	Click Finish to close this wizard.
	Run XBMC Media Center
	Please visit http://xbmc.org for more information.
	< <u>B</u> ack Einish Cancel

8.1.2 How to set up XBMC server

Once the installation is done, XBMC program will start automatically. If it does not, you are requested to run it



by clicking XBMC icon((Windowed)) on Desktop.

11 The page is the main. You may change working environment at the Settings as your taste. What you should do to use UPnP function on TVX-HD is to set up the 'Settings'.



Press 'NETWORK' icon on the settings.



I Click 'Enable UPnP server', and you will see 'Manage UPnP music shares', 'Manage UPnP Video shares', 'Manage UPnP Picture shares'

Network	Autostart UPnP client	9
Servers	Enable UPnP renderer	9
SMB client	Enable USnP server	0
	Manage UPnP music shares	
UPnP settings	Manage UPnP video shares	
Event server	Manage UPnP picture shares	

After clicking 'UPnP Video shares', click 'Enter a name for this media source' tab to make the source name.

Ultimate PVR with HD Digital Jukebox



solick the key pad and press 'Done' button.

	Enter a			leo	ioulu (50010				
<none></none>			Viu	eu					Brows	5C
Dope	0	1	2	3	4	5	6	7	8	g
Shift	a	b	с	d	е	f	g	h	i	j
Caps Lock	k	Ĩ	m	n	0	р	q	r	s	t
Symbols	u	v	w	х	у	z		Back	space	
IP address			Sp	ace			<	<	>	>

I To share the folder, press 'Browse' button.

Auto 🥵 Vic	Edit UPnP v	video source	
E Eural Ad	inter the paths or brows	e for the media locations	
<none></none>			Brove
			Add
	Enter a name for t	this media Source.	
	vic	leo	
	ОК	Cancel	

Press OK when you select the folder to share.

Ma	Browse for new shar	'e 'es
	D:\tvixhd1\Video	
		Ce
Sector Audio		redia locations.
FLV		Bro
ΜΚΥ		A
TS 🔤		
Video		
		Source.
		angol
	(5) Items - Page (1/1)	
ок 🕨	Cancel	New folder

You can see the path for the media location.

Edit UPnP video source	
Enter the paths or browse for the me	edia locations.
D:\tvixhd1\Video\	Browse
	Add
	•
Enter a name for this media S	ource.
video	
OK Ca	ncel

In the same way, you can share the pictures and Music'.

Caution while using XBMC

- Some file's extensions may be shown strangely on TVX-HD.
- Please change TP extension(recorded clip) to TS
- It may take time to read subtitle file(smi, srt, idx+sub) in the beginning of the file play
- If XBMC does not start automatically after re-start, please register XBMC on the START program on your PC

8.1.3 How to set up Wireless network

You can watch movies without a hard disk with wireless network support. Play videos, music, photos saved in your PC hard disk without having to transfer them to your TVX-HD.

You can play most of the HD video files (up to 18mbps) with 802.11n wireless Wi-Fi dongle (available as an option).

Connect the Wired network, and Upnp list will be displayed automatically.

Have your USB module attached to your TVX-HD, If your PC is connected with wire/ wireless AP router.



Press SETUP-NETWORK "Search Wi-Fi Network" for searching your AP or AP router. After the interval of searching, you can see the following popup menu. Select the AP you want to connect with

A Lock icon means the AP uses security option.

WEP key input : WEP 64-Bit/ WEP 128 key and ASCII and HEX 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 virtual keyboard.

If you insert the correct network key, you should see wellformed TVX-HD Wi-Fi Network Info like following. The network key is Hexadecimal 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 TVX-HD IP and DNS.

If you still have problems after entering the correct key, please recheck your AP settings or reconnect the USB port.

Network disk setting : This setting is same as the wired network setting.

If Wifi network doesn't work, press SETUP-NETWORK- "Wi-Fi IP setting" and select DHCP or static IP again.







% Caution *

In 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 sometimes. Also, depending on the environment, you may experience stuttering when you play HD files.

If you use a USB Wi-Fi adapter with another USB device, it may not work properly.

* After changing an AP setting, you must search the wireless network as in Step 2.

8.1.4 How to use UPnP

Select 'VIDEO' mode on the main at the main page



Press 'Left' button and then 'Right' button of the remote, then it moves to (UPnP) device. To see UPnP device, press 'OK' button on the remote.



If you select one of them, you can see the contents that you set up on XBMC server. If you select 'Video files', you can see medial files that are in the PC or network device.



If you select a file that you want to play, it will be played like you do with the HDD inside.



** Some file's extensions may be shown strangely or not shown by network servers.

8.2 Using NetShare

8.2.1 TVX-HD NetShare Installation

Netshare program allows you can play the TP or DVD jukebox without stutter easily.

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.

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.

Welcome to TVX-HD	×
TVX MANUAL	
Install Acrobat Reader	and a second
Install NetShare	
HD MultiMedia Player	
HD M-6600A/6600N	
HD M-6500A/M-7000A	
HD R-3300	
Personal Video Recorder	
PVR M-6620N/M-6640N	
PVR R-3310/R-3330	
PVR M-6510A/M-7010A	
PVR R-2200/R-2210/R-2230	
Network Manual	
FXIT	DNíco*
	Copyright 2009 DVICO. All rights reserved

- **2** 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".

TViX NetShare Setup	\mathbf{X}
Choose Destination Location	
Select folder where setup will install files.	
Setup will install TVIX NetShare in the following folder.	
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
Destination Folder E:\Program Files\DVIC0\TVXNetShare	
InstallShield Cancel	

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

	Choose Folder 🛛 🔀
TViX NetShare Setup Choose Share Folder	Please select the installation folder. Path: c:\tvixhd1
Please select the location where you wolud like to share the folder. You may click the browser to find a share folder.	Directories:
Destination Folder c:\tvixhd1	OK Cancel
InstallShield	

We recommend sharing files using the NTFS file system.

5 The "Setup status" window will appear.

TViX NetShare Setup		
Setup Status		
TVX NetShare is configuring	g your new software installation.	
Installing		
		- 442
InstallShield	Canc	
Press YES button if you wa		



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



Press "Unblock" for the Windows Security Alert.



8.2.2 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.



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



8.2.3 Sharing of Multi folders

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

Network Disk1	
SERVER TYPE :	SAMBA ONFS
SHARED LIST :	192.168.0.2
	192.168.20.12
SHARDED DIR :	tvixhd1
SERVER IP :	192 168 1 56
ID :	
Password :	
Ping	
ок	CANCEL

1	Configuration
	10 N. 7000A
	🔽 Auto Sharing at Program Run
	Image: Wired: Image:
	Folder to Share Browse
	X:WisualData\TVIX
	VR. U-7010A
	Folder to Share
	D:A children children
	Folder to Share Browse
	C:\tvixhd1
	Folder to Share Browse
	C:\tvixhd1
	Ok Cancel

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 "TVX-HD Sharing closed." On the setting feature.

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

8.3 SAMBA Client and SAMBA Server

8.3.1 Set Network Configurations Under Windows XP (SAMBA mode)

🔤 garyahn (S:) 📃 🗖 🔀
File Edit View Favorites Tools Help 🥂 🥂
🚱 Back 🔹 🌍 🚽 🏂 🖉 Search 📂 Folders 🛄 -
Address 😹 S:\ 🕑 🄁 Go
Folders Name A
MSOCache Music Music Music MusicC+0.5rc-bin_tvix Recorded TV RecyclER remora System Volume Information System Volume Information TVIX_Eng_M5000.doc TVIX_Eng_M5000.doc W TVIX_Eng_M5000.doc Yetwicht1 Sorge Sorge Saryahn Saryahn Sorge Saryahn Cut Copy Delete Rename
Rename Properties
tvixhd1 Properties
General Sharing Security Customize
You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.
O Do not share this folder
Share this folder
S <u>h</u> are name: tvixhd1
<u>C</u> omment:
User limit: Maximum allowed
Allow this number of users:
To set permissions for users who access this folder over the network, click Permissions. To configure settings for offline access, click Caching.

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.

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)'.

Permissions for tvixhd1	? 🔀
Share Permissions	
Group or user names:	
Permissions for Everyone	A <u>d</u> d <u>R</u> emove Allow Deny
Full Control Change Read	
ОК	Cancel Apply

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

📕 Computer Management		
■ File Action View Window H →	elp Name	Full Name
System Tools Supervised Folders Shared Folders Shared Folders Cocal Users and Groups Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users Cocal Users	Administrator Garyahn Guest HelpAssistant SUPPORT_38	Remote Desktop Help Assi CN=Microsoft Corporation
<	<	>

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 Properties	? 🗙
General Member Of	Profile
Guest	
<u>F</u> ull name:	
Description:	Built-in account for guest access to the computer/d
User <u>must change</u>	xpires
	OK Cancel Apply

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

📕 Computer Management		
Eile Action View Window He ← → 1 10 10 10 10 10 10 10 10 10 10 10 10	əlp	
📃 Computer Management (Local) 🛛 🔼	Name	Full Name
Groups Groups Performance Logs and Ale Device Manager ✓	Administrator Garyahn Guest HelpAssistant SUPPORT_38	Remote Desktop Help Assi CN=Microsoft Corporation
	<	>

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

🕑 Control Panel		X 🛯	Administrative Tools			
File Edit View Favorites Tool	ils Help 🧖	۴ F	File Edit View Favorite:	s Tools Help		*
🕞 Back 👻 🌔 🕶 🏂 🔎	Search 📂 Folders 🛄 -		🌏 Back 🔹 🕥 🕤 🏂	Search	6 Folde	rs 🛄 🕶
Address 📴 Control Panel	💌 🄁 Go	A	ddress 🦏 Administrative To	ols		🖌 🄁 Co
Name 🔺 Comments	s	<u>~</u>	Name 🔺		Size Ty	pe 🔼
🔥 Accessibility Options 👘 Adjust you	ur comput		desktop.ini		1 KB Cor	nfiguration Settii
🕿 Add Hardware 🛛 🛛 Installs and	d trouble	- <u>6</u>	Event Viewer		2 KB Sho	ortcut
🔯 Add or Remove Prog Install or re	emove pr		Local Security Policy		2 KB Sho	ortcut
Administrative Tools Configure a	administr) B	Performance		2 KB Sho	ortcut
🍓 Automatic Updates 🦳 Set up Win	ndows to	帶	Services		2 KB Sho	ortcut 📃
🔗 Date and Time 🛛 Set the dat	te, time,		-			~
Display Change the	e appear	× <				≥;

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

		2	eny acce	ess to this computer from the network Prop
		٢	Local Sec	urity Setting
			_	
			<u>s</u> t	Deny access to this computer from the network
Local Security Settings				
<u>File A</u> ction <u>V</u> iew <u>H</u> elp				
⇔ → 🗈 🗙 🗗 🗔	2		Guest SUPPO	RT_388945a0
📴 Security Settings	Policy 🔺			
🕀 🤷 Account Policies	🕮 Create a token object			
E Cocal Policies	🕮 Create global objects			
🕀 🧰 Audit Policy	🗒 Create permanent shared objects 👘 👘			
 User Rights Assignmen Georgia Security Options 	👪 Debug programs 📃			
	Deny access to this computer from the network			
Formal Fabric Key Policies Formal Fabric Key Policies Formal Fabric Key Policies	👪 Deny logon as a batch job		Ade	d <u>U</u> ser or Group
	BDeny logon as a service			
	BDeny logon locally			
	🐯 Deny logon through Terminal Services 🤍 🗸			
<				
				OK Cancel Apply

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



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

13) Press OK, and Guest will be registered.

Advanced...



ΟK

Cancel

< 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.

Local Area Connection	LAN or High-Speed Inter Connected
Local Area Connection 3	🕹 Local Area Connection 3 Properties 🛛 🕐 🗙
	General Authentication Advanced Windows Firewall Protect my computer and network by limiting or preventing access to this computer from the Internet
	Internet Connection Sharing Internet Connection Sharing Image: Allow other network users to connect through this computer's Internet connection
	Allow other network users to control or disable the shared Internet connection Learn more about <u>Internet Connection</u> Sharing.

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

Internet Protocol (TCP/IP) Prope	rties ? 🔀				
General					
You can get IP settings assigned autorr this capability. Otherwise, you need to a the appropriate IP settings.					
O Dbtain an IP address automatically					
O Use the following IP address: —					
IP address:	192.168.0.1				
S <u>u</u> bnet mask:	255.255.255.0				
Default gateway:					
Obtain DNS server address autom	atically				
O Use the following DNS server add ● Use the following DNS server add	resses:				
Preferred DNS server:					
<u>A</u> lternate DNS server:	· · ·				
	Ad <u>v</u> anced				
	OK Cancel				

< 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)

	📥 Local Area Connection Status	? 🛛
Setwork Connections	General Support	
File Edit View Favorites	Connection status	
🕞 Back 🝷 🌍 🍷 🏂	Address Type:	Assigned by DHCP
Address 🛸 Network Connection	IP Address:	192.168.1.119
Name	Subnet Mask:	255.255.255.0
LAN or High-Speed Internet	Default Gateway:	192.168.1.254
🕹 1394 Connection 🕹 Local Area Connection	Details	
< <u> </u>	Windows did not detect problems with this connection. If you cannot connect, click Repair.	Regair
		Close

< 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'

🕹 Local Area Connection Properties 🛛 🔹 💽	🖗 Windows Firewall 🛛 🔀
General Authentication Advanced	General Exceptions Advanced
C Windows Firewall	Windows Firewall is helping to protect your PC
Protect my computer and network by limiting or preventing access to this computer from the Internet	Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
	🔮 🔿 🛛 n (recommended)
	This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.
	Don't allow exceptions
	Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.
	Ø ⊙ Off (not recommended)
	Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.
	Windows Firewall is using your non-domain settings.
	What else should I know about Windows Firewall?
OK Cancel	OK Cancel

8.3.2 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.

TViX Networ	k Info
IP Address :	172.028.1.70
Subnet mask :	255.255.0.0
DNS Server :	172.28.0.1
MAC:	00:01:04:80:08:D9

ing			
000	000	000	000
000	000	000	000
000	000	000	000
000	000	000	000
	CANCEL		
	000 000 000	000 000 000 000 000 000 000 000 000 000	000 000 000 000 000 000 000 000 000 000 000 000 000 000 000

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.

Copy the Subnet Mask, default gateway, and DNS server addresses from the PC listing.

You must write a different IP address (ex: 172.28.1.70 \rightarrow 172.28.1.168) where the first three numbers in the TVX-HD's IP address are the same as the PC's and the fourth number is different.

Network Connection De	etails 🔹 💽 🔀
Network Connection Details	:
Property Physical Address Subnet Mask Default Gateway DHCP Server Lease Obtained Lease Expires DNS Server WINS Server	Value 00-50-8D-52-29-FE 172.28.1.70 255.255.0.0 172.28.254.254 172.28.0.6 4/19/2006 8:22:37 PM 4/27/2006 8:22:37 PM 172.28.0.1 172.28.0.1

Static IP Sett	ting			
IP ADRESS		000		
SUBNET MASK	255	255	255	000
GATEWAY	172	000	000	001
DNS SERVER	172	028	000	001
OK		C	ANCE	L

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.

	Setwork			UPnP
t	Up Folder			
8	SAMPLE_VIDEO1.avi			
8	SAMPLE_VIDEO2.avi			
8	SAMPLE_VIDEO3.avi			

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

8.3.3 Using SAMBA Server

Using SAMBA Server, You can copy/move/delete files from PC to TVX-HD via LAN. SAMBA is supports 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 TVX-HD IP as shown <u>\\172.28.1.70</u>. Tvixhd1 network driver will be shown.

					^
		F	Search 172.28.1.41		٩
Organize 🔻 Search active dir	ectory Network and Sharing Center	»		 •	•
★ Favorites ■ Desktop ↓ Downloads ≦ Recent Places ↓ Libraries ↓ Documents	E				
🚽 Music 📷 Pictures 🛃 Videos					
🖳 Computer 🏝 Local Disk (C:)					
GHOST (F:)	÷				
1 item					

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



9 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 TVX-HD Homepage to your PC.
- Connect the TVX-HD to your PC with a USB and then turn it on.
- **1** 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.
- **I** 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.
- **1** The following screen will be displayed. Follow the instructions on the screen.

				UPnP
Firmware Upgrade?				
Do you want to upgrade it?				
Model : TVIX - M6600,DViCO				
Language : International				
OK CANCEL				
	Do you want to upgrade it? Model : TViX - M6600,DViCO Version : 1.0.0 (2009/5/20) Language : International	Firmware Upgrade? Do you want to upgrade it? Model : TVIX - M6600,DVICO Version : 1.0.0 (2009/5/20) Language : International	Firmware Upgrade? Do you want to upgrade it? Model : TV/X - M6600,DViCO Version : 1.0.0 (2009/5/20) Language : International	Firmware Upgrade? Do you want to upgrade it? Model :TVIX - M6600,DVICO Version : 1.0.0 (2009/5/20) Language : International

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



10 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

10.1 Making a Partition and Formatting the HDDs

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

2 Right click "My Computer" \rightarrow Choose "manage" from the pop up menu and the "Computer Management" window will appear \rightarrow 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>".

Ultimate PVR with HD Digital Jukebox

New Partition Wizard	
	Welcome to the New Partition Wizard
	This wizard helps you create a partition on a basic disk.
	A basic disk is a physical disk that contains primary partitions, extended partitions, and logical drives. You can use any version of Windows or MS-DOS to gain access to partitions on basic disks.
	To continue, click Next.
	< Back Next > Cancel

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

New Partition Wizard	×
Select Partition Type There are three types of partitions: primary, extended, and logical.	1
Select the partition you want to create:	
< <u>B</u> ack Next > Cancel)

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

New Partition Wizard	×
Specify Partition Size Choose a partition size that is between the	e maximum and minimum sizes.
Maxium disk space in megabytes (MB):	19571
Minimum disk space in MB:	8
Partition size in MB:	19571
	< <u>B</u> ack <u>N</u> ext > Cancel

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

New Partition Wizard
Assign Drive Letter or Path For easier access, you can assign a drive letter or drive path to your partition.
 Assign the following drive letter Mount in the following empty NTFS folder: Browse Do not assign a drive letter or drive path
< <u>B</u> ack <u>N</u> ext > Cancel

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.

New Partition Wizard		
Format Partition To store data on this partition, you must format it first.		
Choose whether you want to format this partition, and if so, what settings you want to use.		
OD o not format this partition		
• Format this partition with the following settings:		
<u>F</u> ile system:	NTFS 🗸	
Allocation unit size:	Default 🔽	
<u>V</u> olume label:	New Volume	
Perform a quick format		
Enable file and folder compression		
	< <u>B</u> ack <u>N</u> ext > Cancel	

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

New Partition Wizard		\mathbf{X}
	Completing the New Partition Wizard You have successfully completed the New Partition Wizard. You selected the following settings:	
	Partition type: Primary partition Disk selected: Disk 1 Partition size: 19571 MB Drive letter or path: J: File system: NTFS Allocation unit size: Default Volume labet: New Volume Duick format: No	
N	To close this wizard, click Finish.	
	< <u>B</u> ack Finish Cancel	

10.2 Unplug or	Eject Hardware
On the windows	tray, double click the hot swap icon. The "Unplug or Eject Hardware" ear. Press the Stop button if you want to unplug the device.
	Unplug or Eject Hardware
	Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
	Ce USB Mass Storage Device
	USB Mass Storage Device at TVIX
	Properties Stop
	Display device components
	Show Unplug/Eject icon on the taskbar
Press OK on "Stop a	Hardware device" window.
	Stop a Hardware device
	Confirm devices to be stopped, Choose OK to continue.
	Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
	🛱 USB Mass Storage Device
	Maxtor 52049H4 USB Device
	OK Cancel
Press OK and unplug	a the device
	e To Remove Hardware
	The 'USB Mass Storage Device' device can now be safely removed from the system.
Close TVX-HD f	older or disk on My computer before unplugging the Hard disk.

11 Troubleshooting

** For detailed instructions, please refer to 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.	 Press the TVOUT button on TVX-HD remote to toggle between TV OUT settings. 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. Ensure that the Video Cable is securely connected to the TVX-HD and to the TV.
The TVX-HD does not respond to the Remote Control. Menu Items cannot be selected.	 Reduce the distance between the Remote and the TVX-HD and try again. Replace remote batteries. Perform a Hardware factory Reset Procedure. Check for interference from other IR sources by trying to operate the TVX-HD with all other components turned off.
TVX-HD does not recognize the HDD.	 Check the USB connection to the Hard Disk Drive(HDD). Check to ensure that the HDD has been correctly partitioned and formatted.
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 the Network-shared Folder on your PC.	 Check network connection between your PC and the TVX-HD. Reboot the TVX-HD and re-establish the connection. Depending on network environment, there may be a delay in searching for the network for up to about 10 minutes. Ensure that WEP and SSID settings are accurate.
Unable to Play Xvid, or MPEG, or AVI video files etc.	 Ensure that the selected video file contains supported video codec. Run the check Disk on the SETUP. 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.
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.

12 Appendix - Technical Terms

HDMI

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

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.

Xvid

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

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

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.

Dolby Digital

Initially known as Audio Coding 3, Dolby Digital 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 640kbit/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 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

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

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.

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.

NTSC

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

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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