Safety Notice

Keep your TViX away from heated areas, such as sunlit areas, heaters etc. Set it up in well ventilated places. **Ensure that a free airflow is maintained around the appliance.**

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

Keep all magnetic materials away from the TViX. Magnetic materials such as speakers or magnets may erase or cause damage to the data stored in the hard disk.

Do not try to disassemble or remodel the device. Doing so may cause it to malfunction or cause a fire.

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

Do not drop the device. Doing so may cause critical damage to the hard drive.
Usage Precautions

Please read the following usage precautions before using the TViX HD.

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

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

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

- When the TViX HD is playing and the USB is connected to the computer, the center of the screen will show a USB ON icon. Disconnecting the USB port will show the original TViX HD screen.

- Make sure the jumper setting of the hard disk that is installed on the TViX HD is set to Single Master. Otherwise the hard disk will not be recognized by TViX HD.

- When you detach the HDD, please let the heat out sufficiently.

- We recommend using the supplied cables and accessories for they are customized for the best performance of the TViX HD. Using other cables or accessories may not give the best performance.

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

- Windows 98SE and Windows ME does not support NTFS file format. However, NTFS file format is available in Windows 2000/XP. If you want to create two or more partitions with one hard disk drive, "Primary Partition" is recommended.

- 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.

- The certificated sticker is on the bottom of the TViX HD
1 Introduction

1.1 Multimedia Player

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

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

TViX HD plays back high definition video (up to 1920x1080i) and still images. Pre-recorded HDTV programs from a digital TV set-top box or personal digital video contents taken by a HDV™ camcorder can be played back with the TViX HD on a high definition display. The TViX HD features a DVI connector and component, which will match the high resolution of HD level video contents.

Using the latest EM8621 processor, TViX HD supports the latest multimedia formats (WMV9 & WMV HD) as well as MPEG4 3.11,4.0 and 5.0.

Using the high definition DVI output, you can directly connect the TViX HD to your HDTV.

TViX HD supports DTS hardware decoder to mix down DTS sound into 2 channels for a more dynamic sound quality.

The TViX HD can be networked with a PC system using its built-in LAN port. You are able to navigate to a PC file through TViX HD’s network and play the file from its original destination without having to copy it onto the TViX HD first.

With two USB2.0 host ports, you can now attach additional external USB hard drives to further extend the storage capacity or transfer files from another USB device such as a thumb drive. You can also playback files from a digital camera, USB flash driver, USB flash card reader, or a MP3 player.

You can play HDTV without a digital TV set-top box and use the play/pause and recording functions. (An optional HD Tuner box will be provided with the TViX HD in the future)
1.2 Audio Player

- TViX HD can play a variety of audio files such as MP3, Ogg Vorbis or WMA (Windows Media Audio) through the TV speaker or any other audio systems. You can listen to your favorite music files continuously, by organizing a custom play list. Now you can enjoy music all day without changing CDs.

- Watch picture slideshows with the option of background music (supports music slideshows using picture images).

1.3 External Storage

- Supports

  If you connect to a USB 1.1 port, the TViX HD will work at USB 1.1 speed, so we strongly recommend that you use USB 2.0.

  - Supports both USB 1.1 and 2.0. It can be used as an external device to save video, audio, image files, work data, program backup, etc.

  - USB 2.0 enables TViX HD to become an external storage device which supports up to 480Mbps.

  - Supports Plug & Play, so Windows will recognize TViX HD automatically.

  - When playing the TViX HD, if you connect the USB port, the VFD will show as USB ON. When you disconnect the USB, you don’t need to reboot the TViX HD for continuous usage.

  - If you are a Windows98SE user, you should download a USB storage driver from our web site www.tvix.co.kr before you connect your TViX HD with your system. You do not need to install a driver in Windows ME/2000/XP.
## 1.4 Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main Chipset</strong></td>
<td>Sigma Design EM8621</td>
</tr>
<tr>
<td><strong>VFD Display</strong></td>
<td>7 Alpha-Numeric Character</td>
</tr>
<tr>
<td></td>
<td>5 Digit numeric display</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>Format: .wmv, .avi, .mpg, .vob, .mp4, .asf, .tp, .trp</td>
</tr>
<tr>
<td></td>
<td>Codec: MPEG 1 / 2 / 4, DivX, XVID</td>
</tr>
<tr>
<td></td>
<td>Resolution Up to 1920 x 1080i</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>MP3, WMA, AAC, Ogg, PCM</td>
</tr>
<tr>
<td></td>
<td>AC3, DTS pass through and down mixing</td>
</tr>
<tr>
<td><strong>Photo</strong></td>
<td>BMP, JPG</td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>USB2.0 Host 2 Ports</td>
</tr>
<tr>
<td></td>
<td>USB2.0 Target 1 Port</td>
</tr>
<tr>
<td></td>
<td>LAN(10/100Mbps)</td>
</tr>
<tr>
<td></td>
<td>Multi I/O Jack (Optional breakout box)</td>
</tr>
<tr>
<td><strong>AV In / Out</strong></td>
<td>Video</td>
</tr>
<tr>
<td></td>
<td>DVI, Component, S-Video, Composite,</td>
</tr>
<tr>
<td></td>
<td>Audio</td>
</tr>
<tr>
<td></td>
<td>Digital : Coaxial, Optical / Analog: Stereo</td>
</tr>
<tr>
<td><strong>File Formats</strong></td>
<td>NTFS, FAT32</td>
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<tr>
<td><strong>Sub Title</strong></td>
<td>Text Subtitle : smi, sub, srt, aqt, utf, lrc / Image Subtitle : sub (with idx)</td>
</tr>
<tr>
<td><strong>ODD Support</strong></td>
<td>Through USB 2.0 Host</td>
</tr>
<tr>
<td><strong>Language</strong></td>
<td>English, French, German, Spanish, Italian, Portuguese, Swedish, Norwegian,</td>
</tr>
<tr>
<td></td>
<td>Danish, Japanese, Korean</td>
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<tr>
<td><strong>FAN</strong></td>
<td>40mm Brushless FAN</td>
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<tr>
<td><strong>FAN Control</strong></td>
<td>Temperature Sensing, Variable Speed</td>
</tr>
<tr>
<td><strong>Main Memory</strong></td>
<td>Main Memory</td>
</tr>
<tr>
<td><strong>Flash ROM</strong></td>
<td>8 Mbyte</td>
</tr>
<tr>
<td><strong>Internal Power</strong></td>
<td>90~240V free voltage</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Cylindrical</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>131mm(Diameter) 185mm(Height)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1,200g (without HDD) 1,800g (with HDD)</td>
</tr>
</tbody>
</table>
2 Name of each part

2.1 Unit Control

You can do basic operations without the remote control.

2.2 Front VFD

The VFD will display information
2.3 Cable connection

You can connect to a TV display or audio Amplifier using the A/V cable.

2.4 Package contents

TVIX HD M-5000U Unit  Remote control  A/V Cable  USB Cable

Manual  Power cable x 2
3 Installation and connection

3.1 Make a HDD Folder

1. As shown in the picture below, connect one end of the USB cable to the USB connector of the TViX HD and the other end to the computer.

   ![Connection Diagram]

   **CAUTION!**
   The USB cable has a different shape on both ends. We are using USB 2.0 type “A” Plug(male) to “B” Plug(male)

2. After connecting to the PC, you have to turn the TViX HD’s power on.

   ![My Computer Menu]

3. When you right-click on the My Computer menu on your screen (picture A) you can see the newly created drive, TVIX (D:).

   You can change the name of the drive to what you want.

   ![TVIX Drive]

4. Double click on TVIX (D:) to open it, then make separate folders named video, audio, and photo for easy usage of the files, after storing all the files for each folder.
3.2 Video Connection

We support DVI, Component, S-Video, Composite video output for connecting to the TV and each output needed to change settings on the TViX HD.

DVI has the highest quality then it is the component >s-video> composite.

3.2.1 Connection with ordinary(Composite) TV output

Connect TViX HD and your TV using the yellow video cable. Turn on the TViX HD and TV. Select appropriate video input mode on your TV until you get the initial TViX HD screen.

3.2.2 Connection to S-VIDEO output

Connect TViX HD and your TV using the S-Video cable. Turn on the TViX HD and TV. Select appropriate video input mode on your TV until you get the initial TViX HD screen.
(S-Video cable is not included and should be purchased separately.)
3.2.3 Connection to component output

Connect TViX HD and your TV with the component cables. Turn on the TViX HD and TV. Select an appropriate video input mode on your TV (in this case, Component input mode).

3.2.4 Connection to DVI output

You can simply connect your TViX HD to the DVI port on the TV. However, if the TV has HDMI port only, you need to buy a HDMI cable to convert the DVI data and then you will be able to see the processing digital signal.

CAUTION

NOTE: After you connect the video cable to your TV, press the TV out button repeatedly on your remote control until you get the initial TViX screen.
* The component cable is not included in the TViX and must be purchased separately.
3.3 Audio connection

3.3.1 Connection to 2 CH normal TV

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

3.3.2 Connection to 5.1CH amplifier (Digital)

When you have a multi channel decoder/amplifier with optical/coaxial input, you can enjoy 5.1 CH high quality sound through the coaxial or optical cables. The illustration on the left shows how to connect coaxial cable. Optical cable connection can be done by a similar method. (These cables are not included in the package and must be purchased separately.)

CAUTION

When no sound is heard after connecting the Optical or Coaxial Cable, you have to change the audio setup of TViX to Digital.
3.4 LAN Connection

3.4.1 Connect PC via Network

< When connecting the computer directly to the TViX HD >

Connect the LAN cable to the LAN port for both the TViX HD and the PC.

TIP ~
In this case, you generally have to use a LAN cross cable type.
If the computer’s LAN card was connected to an Internet line, you can install an additional LAN card to your PC and connect that LAN card to the TViX.

< When connecting with IP Router or Hub >

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

TIP ~
In this case, you generally have to use Direct LAN Cable type.
3.4.2 Set Network Configurations under Windows XP

1) Select a folder which you want to share. Right-click the folder and click ‘Sharing and Security’ in the popup menu.

2) Check ‘Share this folder on the network’ and write the share name. Ex) TVIX hd1

3) Make sure to write the share name within 12 characters in English.

4) Use ‘Everyone’ if you can see ‘Everyone’, else you don’t need to change anything. Also add ‘Everyone’ to the security tab.

5) After that, the shared folder will be displayed like the following picture. 

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

**CAUTION ~**
This is for Windows XP Professional. Windows XP Home users can't see this window. If you can't find 'Administrative Tools' in the Control Panel, click “Switch to classic view” in upper-left corner on the screen.

7) You must uncheck 'Account is disabled'
8) ‘GUEST’ must be shown as the following image. (a red X mark should not be shown)

9) Move to ‘Control Panel’ > ‘Network connections’, and select ‘Local area connections’ properties by right clicking the mouse.

10) Remove “Guest” on the ‘User Rights Assignment’ > ‘Deny access to this computer from the network’ option.

11) Move to ‘Access this computer from the network’, and select the ‘Properties’ property by right clicking the mouse or double clicking it.
12) Press ‘Add User or Group’

13) Write “Guest” and then Press the “OK” button.

14) Press OK, and Guest will be registered.
< When connecting the computer directly to the TViX HD >

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

If the computer’s LAN card was connected to an Internet line, you can mount additional LAN cards to your PC and connect those additional LAN cards to the TViX HD.


2. 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 an IP address & Subnet mask that you want to use.

Ex) IP address : 192.168.0.2   Subnet mask : 255.255.255.0
3. Set the network configuration of TViX HD. Press [SETUP] on remote control to view the setup screen. On that screen, select ‘Network Disk’ and write the IP address. For example, IP Address: 192.168.0.2

4. Run the DHCP program. This version requires a DHCP program for 1:1 connection.

** Check out the DHCP program at [www.tvix.co.kr](http://www.tvix.co.kr)
< When connecting with IP Router or Hub >

If you have already been provided a dynamic IP address from a DHCP Server or IP Router in your local area network, you don’t need to write a static IP address. Use ‘Obtain an IP address automatically on’ or write a 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. Having clicked the Support tab, you should see the IP Address. Ex : 192.168.1.127)

< Disable Windows Firewall >

15) Move to ‘Control Panel’ > ‘Network Connections’, and select the ‘Properties’ property by right clicking the mouse. Click the ‘Advanced’ Tab. Disable ‘Internet Connection Firewall’.

16) If you use service pack 2, refer to the following. Click ‘Settings’ at ‘Windows Firewall’.

17) Check ‘Off’ and then click ‘OK’
3.4.3 Set Network Configurations in TViX HD

1) Press [SETUP] on remote control to view setup screen. On that screen, select MISC setting-Network disk and write the IP address in Server IP. (Ex: 192.168.001.127)

2) After writing, press [SETUP] again to save configurations.

3) When the setting is successfully finished, You can see the shared folder.

4) You can check for detailed usage at the TViX web page(www.tvix.co.kr)
3.5 HDD Installation/Exchange

Warning: If you change the HDD by yourself, warranty will be voided in the case where the TViX HD is equipped with a HDD.

1. Assembling the TViX HD is very easy. Just follow the instructions given below.

   Using a driver or coin, screw the hard disk on to the guide board.

   Set the jumper to ‘single Master’

<Jumper Settings>

The Jumper Setting is different depending on the HDD manufactures, please refer to the instructions of the specific HDD provided by the HDD manufactures.

2. Open the side cover case by pulling in the arrow direction.
3. Place HDD in the TViX HD board.

4. Connect the power cable and the IDE cable. Be careful to protect the IDE cable from being damaged when inserting the HDD.

5. Close the side cover case by pushing in the arrow direction and lock.

** When you detach your HDD from your TViX HD, the index finger hangs in the HDD guide which is silver in color and use the thumb to press and pull it over the black flip in the hard disk direction.
## 4 TViX HD Setup Menu
### 4.1 Audio/Video Setting

This section indicates Audio/Video settings.

<table>
<thead>
<tr>
<th>Audio</th>
<th>Analog</th>
<th>Digital</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TV Standard</th>
<th>NTSC</th>
<th>PAL</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TV Type</th>
<th>4:3 letter Box</th>
<th>4:3 Pan-Scan</th>
<th>16:9</th>
</tr>
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<table>
<thead>
<tr>
<th>Video Port</th>
<th>Composie/S-video</th>
<th>Component/DVI</th>
<th>YPbPr</th>
<th>RGB</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Video Out Color</th>
<th>YPbPr</th>
<th>RGB</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Video Out Mode</th>
<th>480i/576i</th>
<th>480P/576P</th>
<th>720P</th>
<th>1080i</th>
</tr>
</thead>
</table>

* **Analog**: Select this when you connect the audio with a stereo RCA cable (the RED and WHITE cable)

* **Digital**: Select this when you connect the audio with an optical or coaxial cable for digital audio connection to the Decoder/Amplifier. There will be no analog audio out from the analog audio port of the TViX HD.

* **TV Standard**: The default video setting of the TViX HD is COMPOSITE (NTSC/S-VIDEO or PAL C/S-VIDEO). This is the most general setting and works with almost all TVs.

* **TV Type**: 4:3 Letter Box / 4:3 Pan & Scan for ordinary TVs/16:9 for Wide TVs like HDTV or Plasma TV. If the ratio of the TV is 4:3, select 4:3 letter box or 4:3 Pan & Scan. If the ratio of the TV 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.

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

* **Video Port** : If you fail to see the initial TViX HD screen after turning the unit and TV on, make sure you have chosen the right TV out option by repeatedly pressing the TV Out button on the remote control. NTSC C/YPbPr(480i), PAL C/YPbPr(576i) is a special case. Select these settings if your TV is connected to TViX HD with a component output.

* **Video Out Mode** : Select this when you connect the video through a component (YPbPr) cable. You can select the output resolution among 480P/720P/1080i. Setting it to 1080i will work on all HD grade TVs.

* **Apply Now** : After configuration, Please press the Apply now to save Video out state.

If you want to exit Setting, Select the EXIT( ) button and then press the OK button on the remote.
4.2 MISC Setting

This section indicates MISC settings.

* **Screen Saver**: The Screen Saver starts automatically if your TViX HD is idle for the specified amount of time.

* **Date / Time Setting**: You can adjust the clock on the VFD by using the arrow and numeric keys.

* **Network Disk**: Enter your system’s IP address. (Ex: 192.168.001.127) After that, press the SETUP button to save.

* **Network Info**: If you wrote your system’s IP address properly, you should be able to see Network information.

* **FAN Speed**: You can select your Fan Speed. We recommend the Normal setting.
* **Language**: Select your language preference.
5 Easy Usage of TViX HD

5.1 Play Video File

When installation is successfully finished, you should see screen A. You may copy a video file into the VIDEO folder in advance.

1. SETUP, VIDEO, AUDIO, PHOTO icons.

2. Using Left/Right button, Select the Video icon. If you want to change the partition of the HDD, Press the Jump/Repeat button.

3. When the icon is selected, press the OK button.

4. You can see 2 files in the Video folder.

5. Using the up/down button, select the Video file. If you press the OK button, you can easily play the video file.
5.2 Play Audio File

Now let us try to play a music file. You may copy an audio file into the AUDIO folder in advance.

1. If you can not see screen A, press the MENU button on the remote control.

2. Select the Audio icon on screen A and Press the OK button.

3. You can see the audio file that you just copied.

4. Using the up/down button, select the audio file.

If you press the OK button, you can easily play the audio file.

TIP ~
If you want to play the next video, press the NEXT(>>|) button.
5.3 Play Image File

This time, let’s play an image or photo file.

You may copy the image file into the PHOTO folder in advance.

1. You may press the PHOTO button on the remote control without selecting from the menu screen.

2. Press the PHOTO button.

3. You can see the image file that you just copied.

4. Using the up/down button, select the image file. If you press the OK button, you can easily play the image file.

5. If you want to play the next video, press the NEXT(>>|) button.

**TIP ~**
Using the remote control button, you can play the Video or audio as well as photos.
6 Using the remote control

6.1 Basic function

< Battery change>

- Use new batteries. (2 AA size batteries are included in the package)
6.2 Descriptions for each button

The playback of Multimedia files

Basically you can choose the file you want and press the OK button.

For playback of DVD files copied to the HDD, please locate the cursor to **VIDEO_TS.IFO** file and press OK.

You can do a full DVD navigation like you would do with a DVD player.

6.2.1 Video Playback

When you press the VIDEO button on the remote control, only the VIDEO folder shows on the TViX HD. This applies only to the active partition if you have more than one partition.

When you press the **JUMP/REPEAT** button on the remote control, you can select another input source.
INFO button:
- First Press – Shows content information.
- Second Press – Shows elapsed time (The progress bar is displayed on the upper left hand corner of the screen.)
- Third Press – INFO off

SUBTITLE button:
- Supports SMI Multi-subtitle control with Subtitle button.
- First Press : Shows SUBTITLE OSD. You can change the subtitle sync using CH +/-
• Subtitle font size configurable on SETUP menu.
• Supports .SUB (bitmap) + .idx subtitle files
• PAL format .SUB subtitles are not supported in this version. In cases where the outline cannot be applied clearly to the .SUB subtitles, you can change the color of the outline in setup.

• ZOOM button:
  • First Press – Zoom, you can change the size by pressing the arrow buttons.
  • Second Press – Full screen
  • Third Press – PAN&SCAN full screen
  • Fourth Press – Zoom Off

• REW/FF button

• BOOKMARK: If you stop the movie, the stop position is automatically saved and you can resume it later at anytime by pressing the "bookmark" button on the remote control.
• When using the GOTO function, the present playing time will be displayed.
SETUP button
- Picture adjustment. Contrast → Brightness → Saturation.

* Press the VIDEO button and you can filter video files among those stored in the TViX HD.

** TIP ~
* Improved to save up to ten bookmarks on five individual files. (It cannot save ten bookmarks on a single file.)
* Recognizes AVI, MPG, VOB, CAT, M2P video files only.
* A video file where the folder is setup with a password cannot be saved.
* When replaying the same file, only the last play position will be saved (thus, bookmarked).
* Among the bookmark list, a file deleted from the hard disk will be automatically deleted from the bookmark list as well.
* Cannot save bookmark list when in USB HOST or LAN mode

< DVD Jukebox KEY >
- OK button - When a movie is playing it operates as a play button. In the menu screen it operates as a select button.
- PAGE-DOWN - Go to next chapter.
- PAGE-UP - Go to previous chapter.
- AUDIO button - You can change the audio. (international dubbing, DOLBY, 2CH, 5.1CH, DTS etc.)
- SUBTITLE - Shows subtitle menu.
- MENU button - Shows DVD menu screen.
- TITLE button - Shows DVD title menu.
- ANGLE button - If the DVD title has angle function, you can change the angle.
- GOTO button - You can choose the time, chapter and title. After choosing you can play directly.
- Number + OK - Play the chapter of the number directly.

** The operation of “PICTURE” and “VOLUME UP/DOWN” is the same for Video operation.
6.2.2 Audio Playback

When you press the AUDIO button on the remote control, only the AUDIO folder shows in the TViX HD. It applies only to the active partition if you have more than one partition.

Audio file filter

Go to Previous or Next music.

Mute.

Volume.

Random Play

Displays audio file information being played

Go to the designate time frame

Input time and press OK

Play/Pause

Stop Playing and return to the previous menu.

<NOTE>

- Press the AUDIO button and you can filter video files only among the files stored in the TViX HD. It applies only to the active partition if you have more than one partition

Shuffle Function (Random Playback)

- Press the SHUFFLE button to play the files of the present directory randomly.
- Press the Shuffle button again to disable shuffle mode
- Supports FF/REW, and GOTO functions when playing WMA, WAV files.
- Supports lyric files (.lrc)
  If the file name of a music file and .lrc file are the same, the lyrics will be displayed automatically.
- Supports ID3 TAG (ID3V1) when playing MP3 files
  - Press the INFO button to view the ID3 TAG (ID3V1).
  - You can see additional information recorded on the MP3 files, such as the artist, album etc.
  - OGG also displays basic Tag information
6.2.3 Image Playback

When you press the PHOTO button on the remote control, only the PHOTO folder shows in the TViX HD. It applies only to the active partition if you have more than one partition.

- Filter Image files only
- When playing contents, pressing the button will skip or go to previous content. When stopped, it operates as page up/down keys
- Stop playing and return to the Go to previous menu
- Random Play
- Screen scroll
- Screen Zoom
- Rotate image 90° Clockwise

<NOTE>
- You can set the slide show time interval in the SETUP menu.
- You can set the ZOOM and SCROLL button for re-sizing.
- Some non-standard JPEG files may not be displayed

- You can set the ANGLE button for rotating.

- If you press the SETUP button, you should see Contrast → Brightness → Saturation menus in sequence. In these menus, you can adjust the Contrast, Brightness and Saturation by pressing the left/right arrow buttons
6.3 Extra feature

6.3.1 Using the AutoRun Function

When you want to play music with the TViX HD, and if you don’t have any display devices, you may find this function handy.

1. Make a folder and name it, “autorun” in the root directory of the First partition.

2. Copy media file(s) or make a sub-folder in the “autorun” folder.

3. If you want to change the setup, push the SETUP button on the remote. And go to SETUP/MISC’ tab. Set AutoRun option to ON. If you set the AutoRun option to OFF, the function will not work. If you select “shuffle”, files are played randomly.

4. After configuration, turn off the TViX HD then turn it on again. The TViX HD will play the media file in the first (as in order) sub-folder under ‘/HDD1/autorun’.

<NOTE>

- TViX HD will play the files in the sub-folders first and then it will play the files in ‘/HDD1/autorun’. After the TViX HD plays all media files, it will repeat from the beginning.

- When you push the buttons 1~9 on the remote during play, the TViX HD will play the first sub-folder to the 9th sub-folder in that order.

- Currently, TViX HD supports only a maximum of 9 sub-folders. The AutoRun function will also work with the PLAY button on the remote control (the OK button will not work).
6.3.2 Using Wallpaper

If you put a JPEG file named "TViX.jpg" under the folder you want to change the wallpaper, the wallpaper of the folder is changed.

You can select any wallpaper you want by using the various JPEG files of different folders.

<Tip>

- If you want to change the basic wallpaper, put a JPEG file named TViX.jpg under the Root directory.
- For the name of “TViX.jpg”, both lower and may be used.
- 720*480 pixel is recommended for the size of wallpaper. (Larger size can increase loading time)
- In Windows XP, when you name the JPEG file, “Hide Extensions for known file types” should be unchecked in the Tool-Folder Option-View-File/Folder. Otherwise the JPEG file could be named as TViX.jpg.JPG and then you would not see the desired wallpaper.
6.3.3 Playing background music while watching a picture slide show

(1) Make the SlideShow folder in HDD of TViX HD and Copy the MP3 files and image files. (Ex : SlideShow)

(2) While users are watching the picture slide show, the MP3 files in SlideShow will be played as background music.

TIP ~
* If the SHUFFLE button is pressed after you have begun playing MP3 files with the “Play” button, only MP3 files will play in shuffle play mode.
* Slide show delay time can be adjusted in the setup menu (press the “setup” button on your remote control).
* Supports ID3 TAG(ID3V1) while MP3 plays. If you press the INFO button, you can see the Artist/Album information of the MP3.
* If you have a .lrc file, lyrics are shown automatically.
* Recommended picture size for the slide show function is 720*480, but if you have a HD display, Recommended picture size is 1024x768 or 1920x1080 or smaller.
7 Firmware upgrade

Firmware version check.
1. Connect TViX HD to your TV and turn on TViX HD
2. Press the SETUP button on the top panel and the setup screen will be displayed.
3. Check the latest firmware version of TViX HD at www.tvix.co.kr
   *** You’ll be posted for any firmware updates or news if you fill out the customer registration form at http://www.tvix.co.kr

How to download firmware.
1. Download the latest firmware from http://www.tvix.co.kr to your PC.
2. Connect TViX HD to your PC through USB connection and turn it on.
3. Your system will recognize TViX HD as an external hard drive.
4. Copy the latest firmware files into the root of the TViX HD hard drive.
6. Turn off TViX HD and bring it to your TV for firmware upgrading.

How to do a firmware upgrade
1. Connect TViX HD to your TV
2. Select copied firmware file (Ex, TViX1.0.1.fwp) and Press OK on remote control to start upgrading.
4. The following screen will be displayed. Follow the instructions on the screen.

8) Old firmware Erasing is in process.
9) New firmware upgrade is in process. (takes about 1 minute). When the upgrade is finished successfully, TViX HD is rebooted automatically.

< CAUTION : Safemode Upgrading >

Even if TViX is accidentally turned off during the firmware upgrade, safe mode enables TViX to be reupgraded. Please follow the steps below:
1. Connect TViX to your PC through USB connection and turn it on.
2. Make tvixfw folder in your primary partition.
3. Copy the latest firmware file into tvixfw folder of the TViX hard drive.
4. Press the SETUP button on the top panel and turn on TViX.
5. The VFD shows the copied firmware version like, HDD1/FW 1:01:00.
6. Press OK on remote control to start upgrading.
7. The VFD shows PRE when old firmware Erasing is in process.
8. The VFD shows UPG when new firmware upgrade is in process.
9. When the upgrade is finished successfully, TViX is rebooted automatically.
8 Using USB connection with PC

TViX HD uses a 3.5” HDD as its contents storage device and it works just like a external USB 2.0 hard drive when you connect it to your PC.

You need to ensure your HDD is set to master and connect the IDE cable and power cable before you use it on your PC.

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

After connecting to your PC, you have to turn the power switch on.

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

8.1 Windows 98SE Driver Installation

1) Run the setup.exe file stored inside the installation CD before connecting the TViX HD.
   Press “Next” on the following pop up screen.

2) Pressing the “Finish” button to reboot.
3) After rebooting the system, connect the TViX HD. The Add New Hardware Wizard will pop up automatically.

4) Select “Search for the best driver for your device” menu and press the Next button.
5) Do not change any of the menus. Just press “Next”.

6) The system will find DVICO USB-ATA Bridge automatically as the pop up shows. Press the “Next” button.

7) By pressing the “Finish” button, the driver installation is done.
8) You will be able to see the disk drive inside the TVIX HD in the Device Manager tab.

**T I P**
Windows ME, Windows 2000, and XP automatically provides the driver. So you don’t need to install any extra software. When connecting the TVIX HD, run Plug & Play. Right click the “My computer” icon ➔ properties ➔ hardware ➔ device manager to see if TVIX HD is properly installed.
8.2 Making a partition and formatting the HDDs under Windows 98SE / ME

Click “Start” and select “Run” and the “Run” window will appear as shown below. Type “fdisk” in the text box of the “Run” window then click the “OK” button

1) The following DOS window will appear for the partition program.

2) Choose number 5 to select the HDD in TViX HD to make a new partition.
3) Choose the partition type and the size to make the partition for the HDD. Make the partition when done choosing.

4) After making partitions, do not reboot the system but instead turn TViX HD’s power off and turn back on. By doing so your system will reinitialize TViX HD.
5) Run window explorer and you will find the new disk created. Right click the new disk and choose “Format” from the pop up menu. Then start formatting your HDD in TViX HD.
8.3 Making a partition and formatting the HDDs under Windows 2000 / XP

1) Under Windows 2000, you can make a partition and format the HDD using the Disk Manager utility.
2) Right click "My Computer" ➔ Choose "manage" from the pop up menu and the "Computer Management" window will appear ➔ choose "Disk Management" folder.
3) The disk list will appear on the right side of the "Computer Management" windows. Right click the TViX HDD from the list, and from the pop up menu choose "make partition" to create partitions on the chosen disk.

4) When the New Partition Wizard appears, Press "Next>".

5) Choose the partition type and format the HDD. If you want several partitions, Select Extended Partition.
5) Select the partition Size. If you want one partition, Press "Next>". For FAT32, size is limited to under 32000MB.

5) Select the Driver letter. We recommend pressing the "Next>" button.
5) Select the partition Format. If you want FAT32, it is limited to 32GBs.

5) When completed, detailed information will appear as shown below. Click the “OK” button to finish.
New Partition Wizard

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: 13571 MB
- Drive letter or path: J:
- File system: NTFS
- Allocation unit size: Default
- Volume label: NewVolume
- Quick format: No

To close this wizard, click Finish.
8.4 Unplug or eject hardware

1) On the windows tray, double click the hot swap icon then the “Unplug or Eject Hardware” window will show. Press the Stop button if you want to unplug the device.

2) Press OK on the “Stop a Hardware device” window.

3) Press OK and unplug the device.
Appendix - Technical Terms

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 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 that's 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 just like 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 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.

SUBPICTURE

A subpicture stream found in VOB files normally refers to the subtitles. Subtitles on DVDs are not stored as "text", but rather, as a video stream. A subpicture stream is one that overlays on top of the main picture stream (ie. the movie), and on a DVD, the subpicture stream can be turned on and off.

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 using many different combinations of codecs. So 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. AVI all look the same on the "outside", but on the "inside", they may be completely different. Almost all tools on this site are not just DivX tools, but also AVI tools, so will work with many other codecs.

AC3

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

DTS

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

**WMA**

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.

**480i**

480 interlaced; form of standard-definition digital television (SDTV) that approximates the quality of analog television but not considered high-definition television (HDTV). Even though the native resolution of DVDs is 480p, they are viewed at 480i on an NTSC analog television.

**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.

**1080p**

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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