User Manual

TViX R-3310

Federal Communications Commission (FCC) Statement
You are cautioned that changes or modifications not expressly approved by
the part responsible for compliance could void the user's authority to operate
the equipment

FCC- Class B
This equipment has been tested and found to comply with the limits for a Class
B digital device, pursuant to part 15 of the FCC Rules. These limits are
designed to provide reasonable protection against harmful interference in a
communications. However, there is no guarantee that interference will not
occur in particular installation. If this equipment does cause harmful
interference to radio or television reception, which can be determined by
turning the equipment off and on, the user is encouraged to try to correct the
interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to
which the receiver is connected.
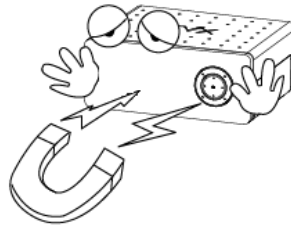-Consult the dealer or an experienced radio/TV technician for help.

All specifications and information are subject to changes without further notices.

Safety Notice

Do not disassemble the device. It may cause malfunction or fire.
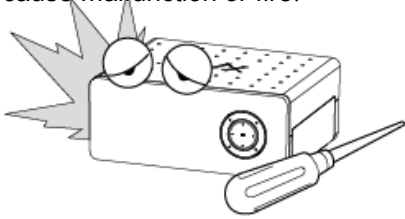
Magnetic material may erase the data in TViX. Keep any magnetic material away from TViX..
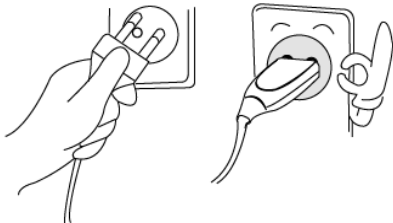
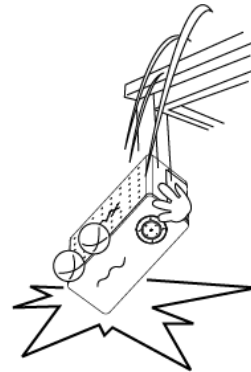Do not expose TViX to oil, smoke, water, humidity and dust.

Keep TViX away from heat or fire.
Do not block any ventilation openings. Ensure that a free airflow is maintained around the appliance.

Do not touch power plug with wet hands or do not use defective power cable & loose outlet. It may cause electric shock or fire.

Be careful not to drop TViX from a height. It will damage the internal hard drive.

Do not take out the internal hard drive by yourself. The internal hard drive is very hot when it is working. The warranty will be void if any other hard drive is inserted into TViX.
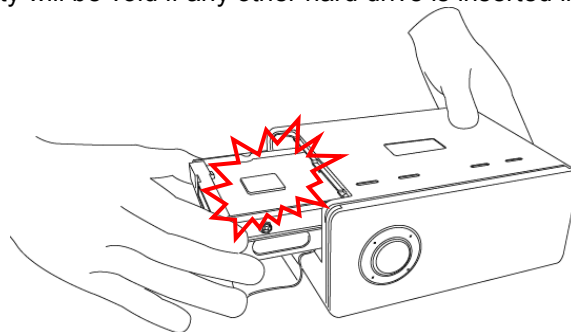
"Do not block any ventilation openings. Ensure that a free airflow is maintained around the appliance."

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

Usage Precautions

Please read the following usage precautions before using your TViX.

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

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

● When connected to the computer through the USB cable the TViX acts as an external USB storage device (In this state, there is no video/audio output displayed on the TV Screen a USB ON icon will be displayed on the center of the TV screen and on the VFD. it will be display as USB ON). For normal TViX play mode, disconnect the USB cable connected between computer and TViX

● When detaching the HDD, please let the heat out sufficiently.

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

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

● Windows 98 SE and Windows ME does not support NTFS file format. However, NTFS file format is available on Windows 2000/XP. "Primary Partition" is recommended when creating two or more partitions with a single hard disk drive.

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

● You can insert the characters using remote-numeric key. Numeric key 1 when pressed successively changes as @ → : → / → _ → -.

● We don't have any warranty or responsibility for broken hard disk. We recommend to backup periodically.
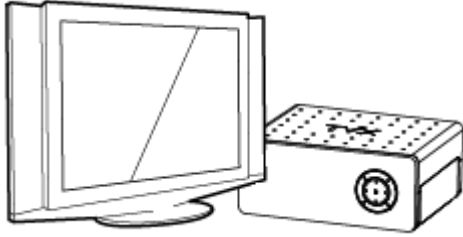
** Some functions will require you to update the latest firmware in first.

Table of Contents

1 Introduction

1.1 Multimedia Player

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

TViX plays back high definition video (up to 1920x1080P) 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 on a high definition display. The TViX features a HDMI connector and component, which will match the high resolution of HD level video contents.

The TVIX R3300 series also functions as an ultimate digital personal video recorder or archiving machine with OPTIONAL DIGITAL TUNERs, allowing you to capture the digital TV signals and store them to pure digital format. It comes with all digital PVR functionalities such time-shifting, EPG (electronic program guide) and scheduled recording.

HDMI provides unparalleled qualities to digital video and audio, while DVI only serves digital video. You don't have to mess around with several AV cables. It provides single, pure and simple way to connect your display. It can deliver uncompressed digital video up to 1080p as well as multi-channel digital audio.

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

The TViX can be networked with a PC system using its built-in LAN port. You are able to navigate to a PC file through TViX's wired or wireless network and play the file from its original destination without having to copy it into the TViX first. We're supporting the file copy via LAN.

With two USB2.0 host ports, you can now attach additional external USB hard drives to further extend the storage capacity. You can also playback files from a digital camera, USB flash driver, USB flash card reader, or a MP3 player.
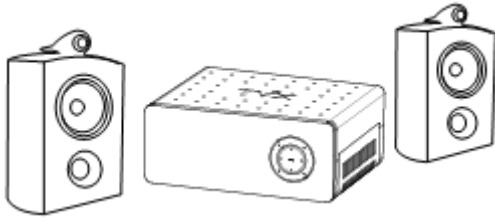
Manufactured under license from Dolby Laboratories.

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

** For the further functions, please refer to following FAQ-   http://www.tvix.co.kr/eng/faq

1.2 Audio Player

● TViX can play a variety of audio files such as MP3, Ipod, M4A, Ogg or WMA (Windows Media Audio) through the TV speaker and any other audio systems. You can listen to your favorite music files nonstop, by organizing a custom winamp playlist. Now you can enjoy music all day without changing CDs.

● TViX supports the internet radio of shoutcast streaming format (.pls,.m3u).

● You can watch picture slideshows with the option of background music (supports Simultaneous playback of Audio and picture images).

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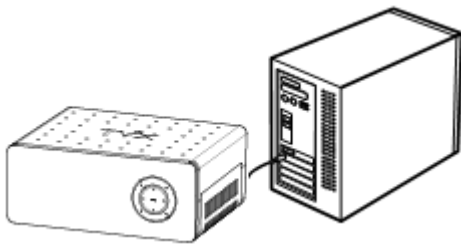
● If you connect to a USB 1.1 port, the TViX will work at USB 1.1 speed, so we strongly recommend that you use USB 2.0.

● It can be used as an external device by connecting it to the System, to save video, audio, image files, data, program backups etc.

● USB 2.0 enables TViX to become as an external storage device which supports speed up to 480Mbit/s.

● It supports Plug & Play, so Windows will automatically recognize TViX the instant it is connected to the system

● If you connect the USB Cable between the system and TVIX. During playback , then on VFD it will be displayed as USB ON. When you disconnect the USB, you do not have to reboot the TViX for continuous use.

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

● You can download latest NetShare Software from our website www.tvix.co.kr/Eng before you configure NFS network. If you select to NFS mode, you can play the TP or DVD jukebox without stutter.

1.4   Specifications

Main Chipset	Adapts superb Scorpio RT1282 200Mhz processor
VFD Display	7 Alpha-Numeric Character
	5 Digit Numeric Display
Video	Format : AVI, MPEG1/2/4 (Xvid), .IFO, .ISO, .VOB, .DAT, .TP
	Codec : MPEG 1 / 2 / 4, AVI, XVID
	Resolutions Up to 1080i (1920x1080i) resolution
Audio	.MP3, .OGG, .WMA, .AAC, .WAV (PCM)
	Multimedia digital sound, DTS pass-thru & down-mixing
Photo	JPEG (Progressive JPEG not Support) Slideshow while background music playing
Connectivity	USB2.0 Host 2 Ports USB2.0 Target 1 Port
	LAN
AV In / Out	Video
	HDMI 1.1, Component, S-Video, Composite
	Audio
	Digital : Coaxial, Optical , Analog: Stereo
	Optional DTV Tuner Port
	One analog multi AV input port for analog PVR functions (composite + SVHS + analog audio)
Features (PVR) with optional input cable	- Recording the external analog video inputs directly. - Analog-video time-shifting 188 hrs of SD contents recording for 320GB HDD
File Formats	NTFS, FAT32(S-ATA HDD only, supports S- ATA 1,2) DTV Recording : 7200rpm, NTFS
Subtitle	Text Subtitle : smi, sub, srt, lrc, txt Image Subtitle : sub (with idx)
Hard Disk	3.5" SATA HDD only (SATA I, SATA II HDD)
ODD Support	Through USB 2.0 Host
Language	English, French, German, Spanish, Italian, Swedish, Czech, Russian, Japanese, Chinese, Korean
FAN	40mm Brushless FAN
FAN Control	Temperature Sensing, Variable Speed
RAM	128 Mbyte
Internal Power	90~250V Free Voltage, , 50/60Hz, 50W
Size	183x139x75 mm
Weight	1.3Kg (HDD included)

2 Name of Each Part

2.1 Control Panel

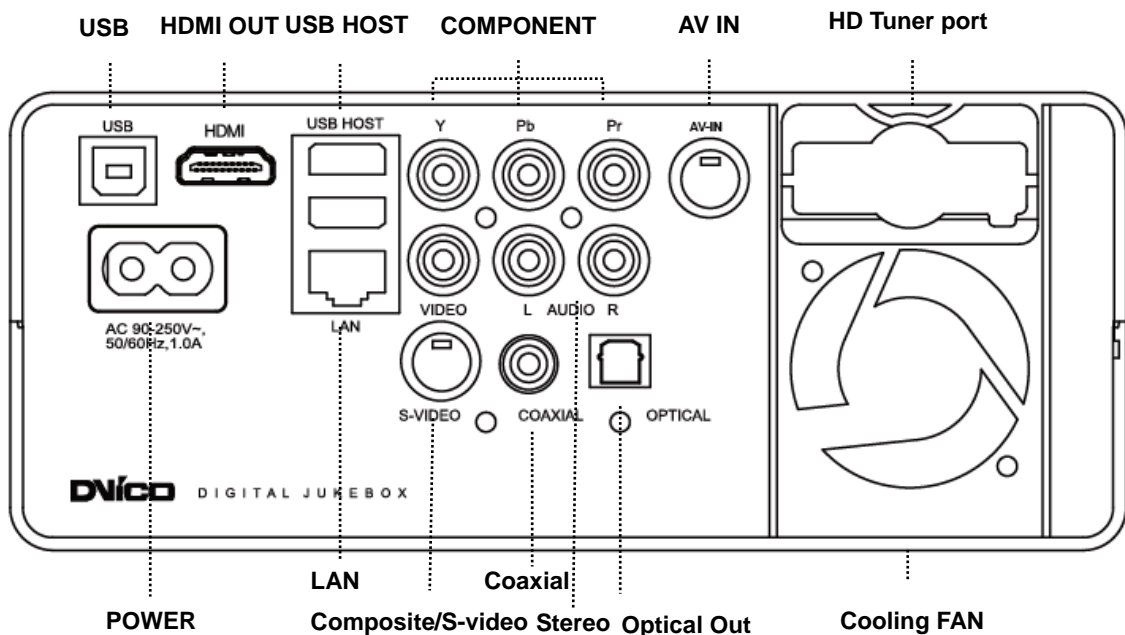Basic functions can be done without the remote control.
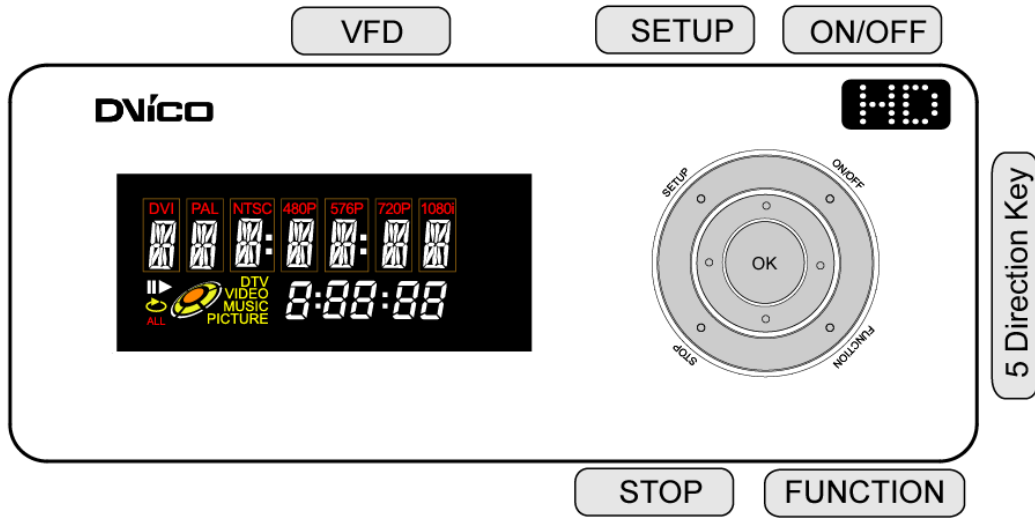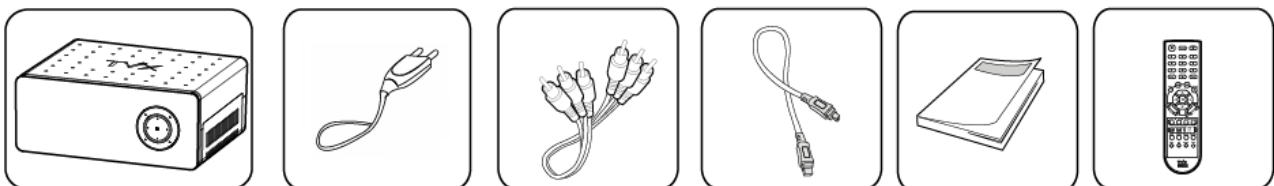

2.2 Cable Connection

You can connect the TViX to a TV display or audio Amplifier using the A/V cable. There is a detail instruction for tuner box on the quick guide of optional tuner box package.

2.3 Package Contents

HDMI cable is enclosed.

| TViX main unit | Power cable | A/V cable | USB Cable | Manual | TViX Remote |

3 Installation and Connection

3.1 Video Connection

We support HDMI, Component, S-Video, Composite video output for connecting to the TV and each output needed to be changed on the settings menu depending on the cable used.

The highest quality expected by the components used is in the following order:

  HDMI > Component > S-Video > Composite.

Connection with an Ordinary (Composite cable) TV Output	Connection to HDMI Output
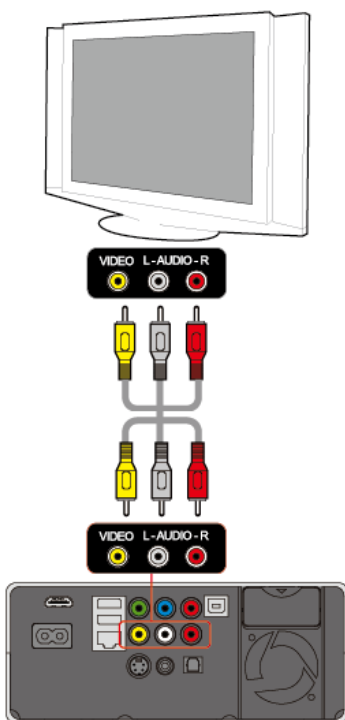
Connect the TViX Kit HD and your TV. Using the Composite (yellow) video cable.
Turn on the TViX kit and the TV. Select Video input mode as composite on your TV display, until you get the initial TViX screen.
For the Audio, please connect the stereo cable (red,White cable).
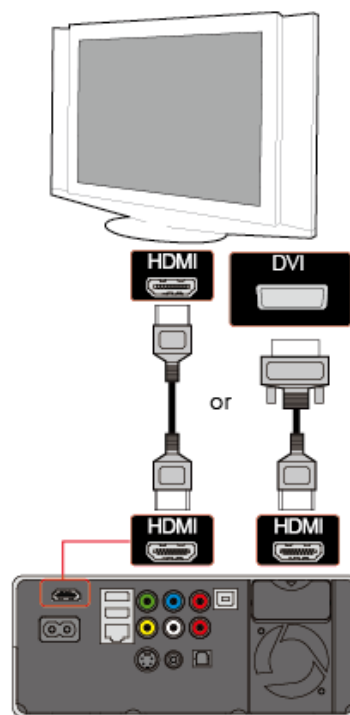
Connect the TViX kit along with the HD and your TV. By using the HDMI cables.
TViX plays back high definition video (up to 1920x1080P) by using HDMI cables.
HDMI cable can transmit uncompressed audio and Video signals together. No additional cables required for audio

Connection to S-Video Output

Connect the TViX kit and your TV .using the S-Video cable.

Turn on the TViX Kit and the TV. Select video input mode as S-Video on your TV display until you get the initial TViX screen.

Additional cables required for audio.

(The S-Video cable is not included and has to be purchased separately.)
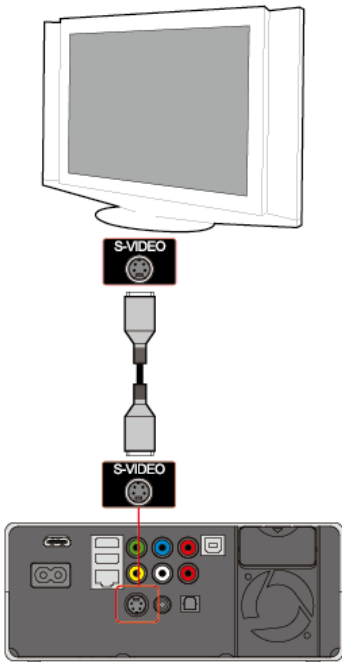
Connection to Component Output
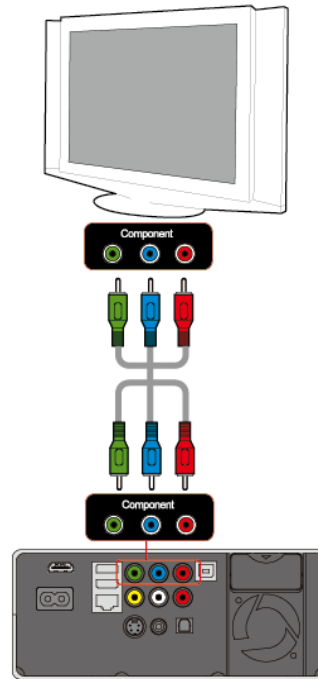
Connect the TViX kit and your TV. By using the component cables.

Turn on the TViX Kit and the TV. Select video input mode as Component on your TV display by changing setup menu (in this case, the Component input mode)

Additional cables required for audio.

CAUTION

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.
When you connect to HDMI port, press TV OUT button until you can see EDID on VFD.

* The component or S-Video cable is not included in the TViX and must be purchased separately.

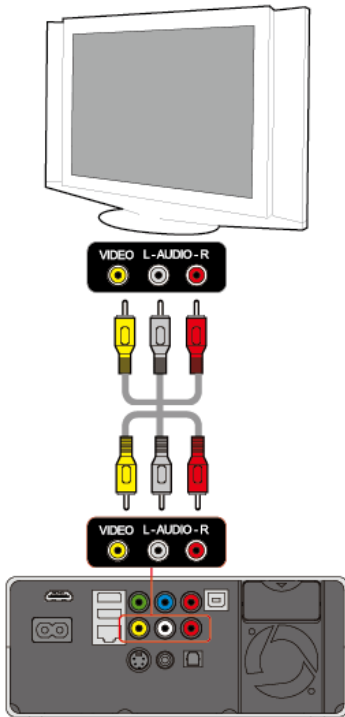## 3.2 Audio Connection

Connection to 2 CH Normal TV	Connection to 5.1CH Amplifier (Digital)

Connect the audio cables from the left (white) and right (red) of TViX to the appropriate terminal of your TV or Hi - Fi system for sound output.
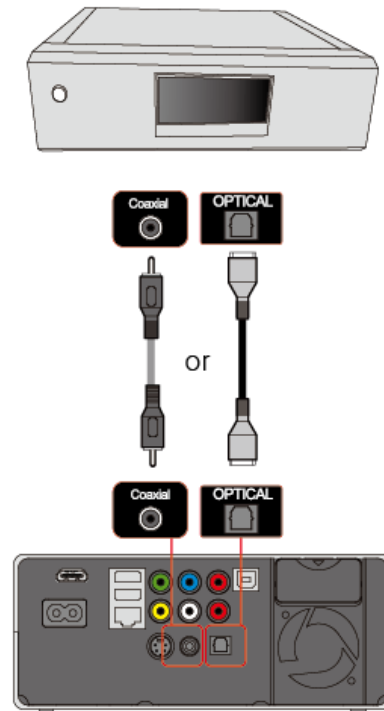
If you have a multi-channel decoder/amplifier with an optical/coaxial input, you can enjoy 5.1 CH high quality sound through the coaxial or optical cables.
The illustration in Below shows where to connect the coaxial cable.
Optical cable connection is also done in a similar method as shown below.
(These cables are not included in the package and must be purchased separately.)

CAUTION

If no sound is audible after connecting the Optical or Coaxial Cable, you have to change the audio setup of TViX to Digital.

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3.3   HDD Installation/Exchange

Warning: If you change the HDD of a TViX with another HDD, the warranty will be voided.
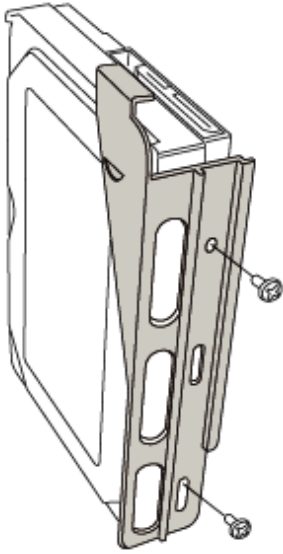
1 Assembling the TViX is very easy. Just follow the instructions below:

Use a Screwdriver and Tighten the Bolts by attaching the guide board to the Hard disk

2 Open the lid of the TViX by sliding as shown in below pictures.
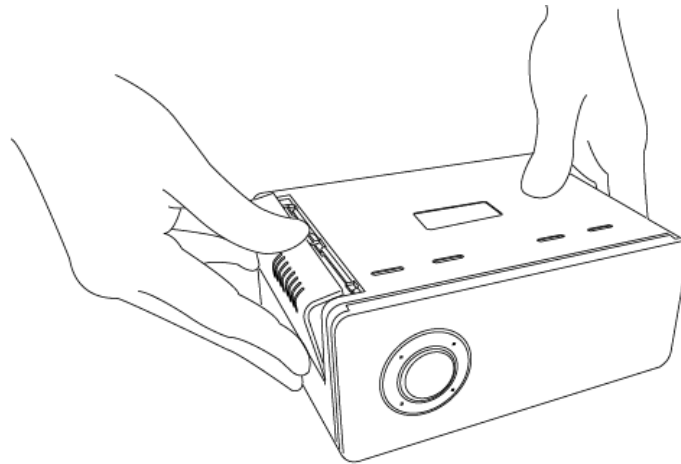
3 Connect power cable and DATA cable
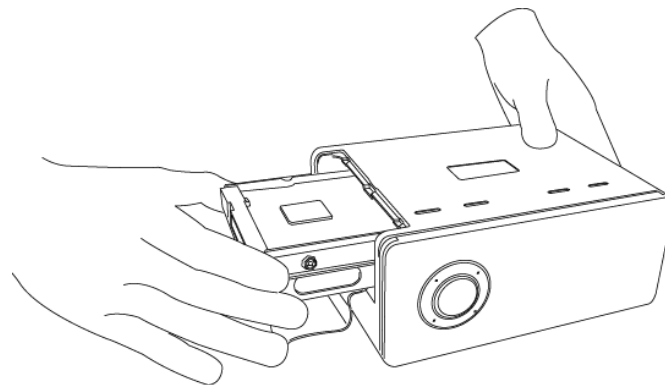
4 Put the HDD into the TViX after spreading the cable to avoid damage. Connect the cable to cross direction.

5 Close the lid of TViX.

6 To change the hard disk, pull the hdd's guide board while pressing the lock button.

4 TViX Setup Menu

4.1 Audio/Video Setting

This section indicates the Audio/Video settings.

You can set password to enter into setup menu. Setup password protection is available. on MISC menu Within SET UP menu. Safety lock feature need to be enabled. This will block children changing setup accidentally.

Audio :	Digital
Audio Output Channel :	5.1 CH
Night Mode :	Off
TV Standard :	NTSC
NTSC/PAL Auto Change :	Off
Aspect Ratio :	16:9
Video Output :	HDMI
Apply Video Out!	

* **Audio** : You can set the mode of audio output depending on audio codec used.

- If you set Audio to Digital, you can set DTS and WMA to digital or analog.

- Please set this according to the audio format your receiver supports.

* **Analog :** Select this when you connect the audio with a stereo RCA cable (the RED and WHITE cable)
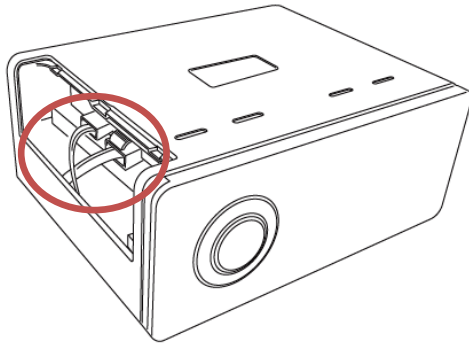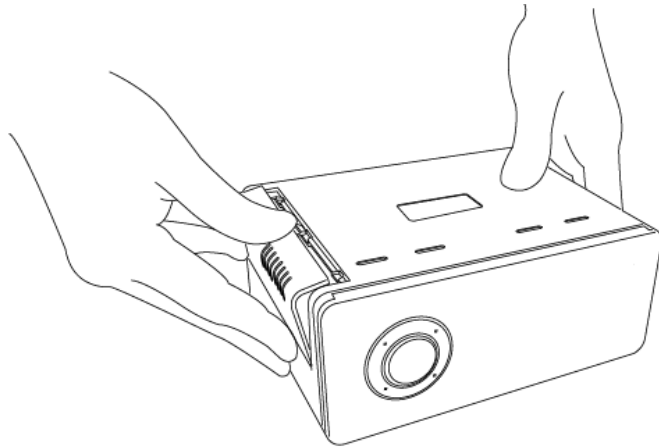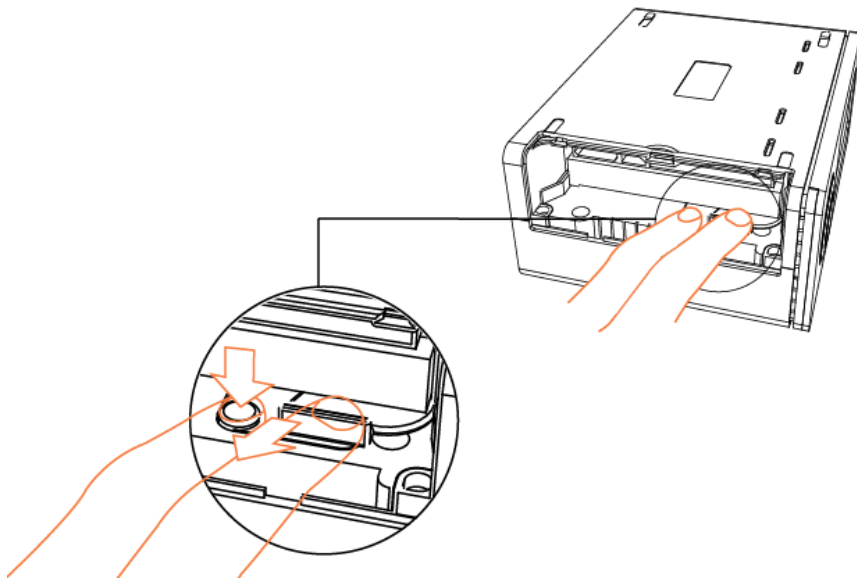
You can set the mode of audio output by each audio codec used. If you set Audio to Digital, you can set DTS and WMA to digital or analog. Please set this according to the audio format your receiver supports.

* **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.

* **Night Mode** : calculate the average volume in night mode, and if there is big volume suddenly, will reduce it.

* **TV Standard** : Switch the TV type.

* **NTSC/PAL Auto Change** : is used when the video out is changed according to the NTSC , PAL or 24Hz format.

* **Aspect Ratio** : 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 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. (Currently, not support this mode)

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

* **Video Output:** Select this when you connect the video through a component (YPbPr) or HDMI cable. With HDMI setting, you can select the output resolution among Auto EDID/480P/720P/1080i. Setting it to 1080i will work on all HD grade TVs.

HDMI : Auto EDID/,480i/576i, 480P/576P, 720P, 1080i,

Component/DVI : 480i/576i, 480P/576P, 720P, 1080i

* **Apply Video Out**: After configuration, please press 'Apply Video Out' to save the Video out state.

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

4.2   MISC Setting

This section indicates the MISC settings.

* **Photo Transport Effect** : This is used when playing background music while watching picture slideshows.

* **Photo Display Time** : Set the slide show time interval

* **Date & Time** : Adjust the clock on the VFD by using the arrow and numeric keys.

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

* **Auto Execution** : You can listen to music(audio files) without display(TV). If you select "random", it plays randomly. (Off-on-Random-Repeat-Random/Repeat)

* **Display OSD** : Select the type of OSD display. We recommend the Normal mode.

* **Safety Lock :** Default password assigned is ("1111") .When safety Lock is enabled.

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

* **Screen Saver** : If there is tvix_ss.jpg on the root directory, you can see this image(160*160 pixel) after 5 minutes. When the pause status or playback of audio(without slide show), Screen saver will work.

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

* **Folder password** : change the folder password.

4.3   Network Setting

This section indicates the Network settings.
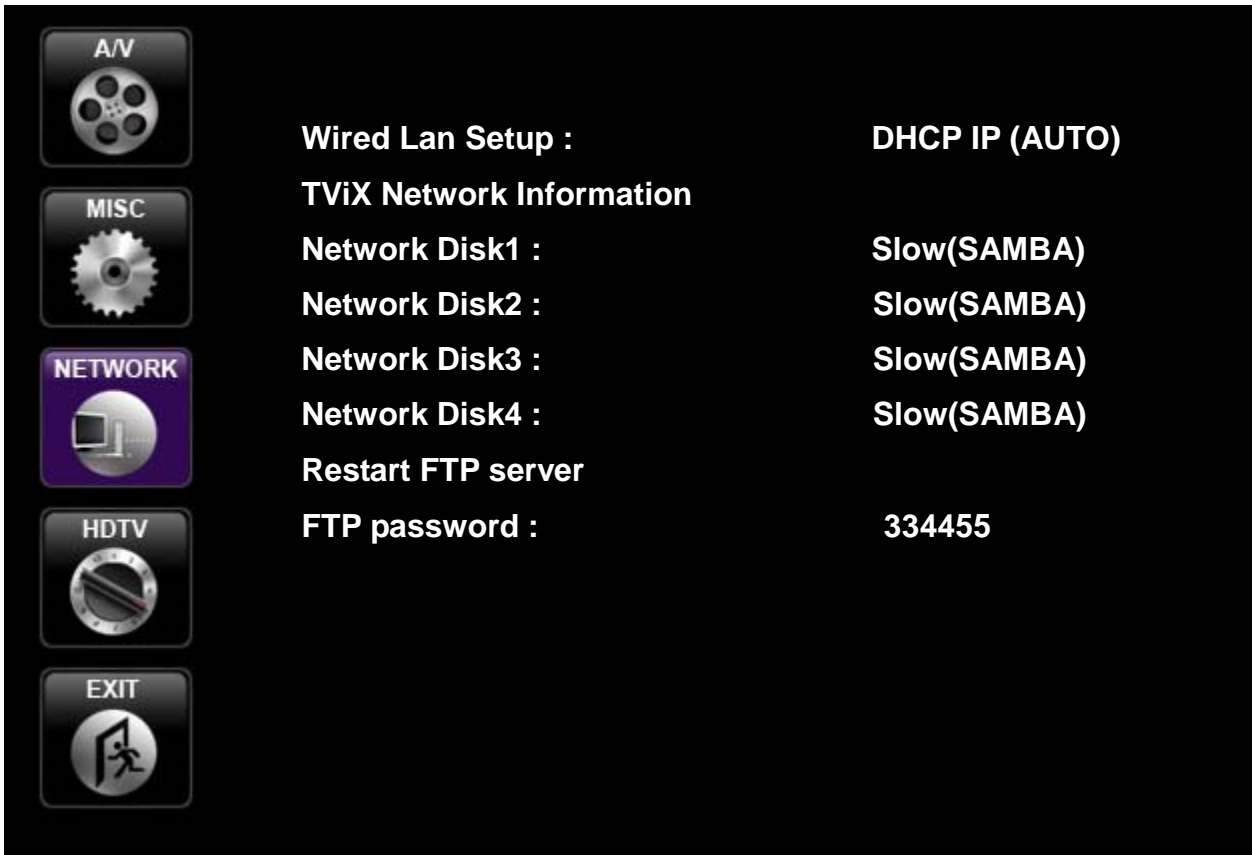
* **LAN setting** : Default setting is DHCP. If you cannot access via LAN with DHCP setting, use the Static IP setting. Please refer to Setting Network Configurations in TViX.

* **Network Disk** : Write the PC's IP address in the Server IP. (ex: 192.168.001.128)

Supports up to 4 Network disk server.

There are two network method in the TViX model. One is SAMBA mode another is NFS mode.
- SAMBA mode : You can play the file via network without special program, but the speed is lower than NFS mode.
- NFS mode : You must install the TViX NetShare utility in to your PC, and you can play the TP or DVD jukebox without stutter.
We recommend to share the NTFS file system. FAT32 file system does not contain enough information to create a lasting file name, so TViX doesn't load the file after changing the file name.

For the detail instruction, you can download the NetShare installer and NetShare manual from our homepage.

(www.TViX.co.kr/Eng)

When several TViX Kit accesses the content from single PC, then user must prefer SAMBA setting.

* **TViX Network Information :** You can see the information of TViX's Network.

* **FTP :** If you want to use FTP function, you must use ID & password displayed on Network Menu within SET UP.   For the detail instruction, please refer to following FAQ. - http://www.tvix.co.kr/eng/faq

** Number 1 key is changed as @→ : → / → _ → - when this key is pressed.

4.4 HDTV Setting

This section indicates the DTV settings.

DTV Region :	**USA**
Time Zone :	
	Central Time(US& Canada)
HDTV Audio Language :	**English**
TV Input :	**Antenna**
Start Scanning	
Timeshift Auto start :	**Off**
Timeshift Duration :	**30 MIN**
Quality :	**HQ**
Auto Chapter :	**15 minutes**

● DTV Region : Select your location.

● Time Zone : If you want to use exact EPG guide, you have to configure your time zone using Up/Down button.

● HDTV Audio Language: select default audio.

● TV Input: Select your input. This model supports free-to- air ATSC digital and analog TV.

● Start Scanning : Press this menu if you want to scan the channel.

● Timeshift Auto start :

● Timeshift Duration :

● Quality : Analog recording quality.

● Auto Chapter :

5 Easy Usage of TViX

5.1   Making an HDD Folder

1 As shown in the picture below, one end of the USB cable should be connected to the USB connector of the TViX and the other end to the computer.
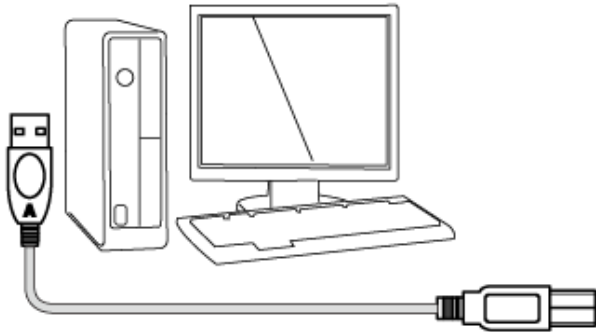
> **CAUTION!**
> The USB cable has a different shape on both ends. We use a USB 2.0 type "A" Plug(male) to "B" Plug(male).
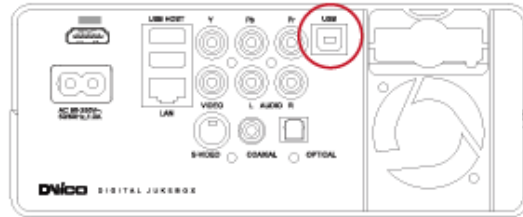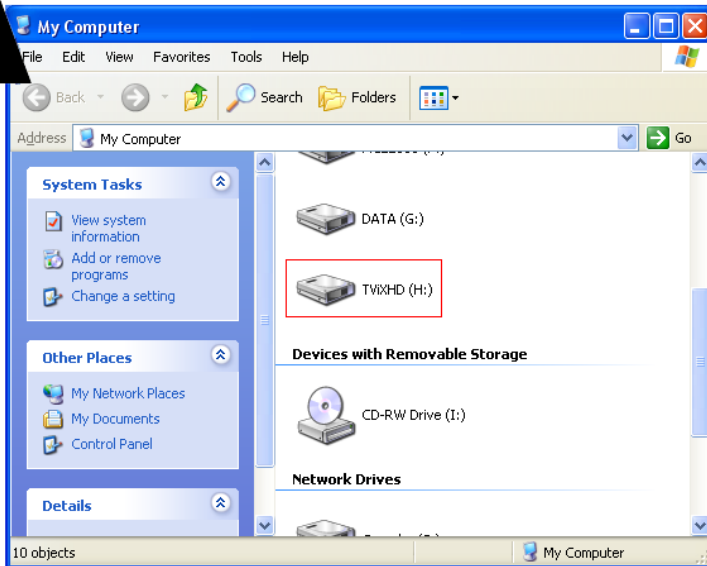
2 After connecting to the PC, turn on the power of the TViX.

3 Double click the icon 'My Computer' on your monitor and you will see a newly created drive; TViX as shown in picture 'A'.

(The name of the drive can be changed.)
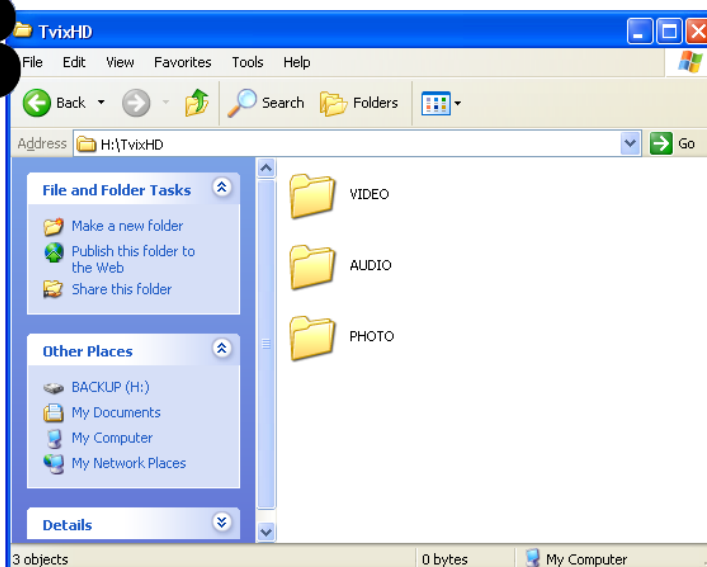
4 For easy usage, double click TVIX   and make separate folders named video, audio, and photo. Then store all your files accordingly to each folder.

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5.2   Play Video Files

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

1 SETUP, VIDEO, AUDIO, PHOTO icons is shown.

2 Select the Video menu by using the Left/Right arrow button. If you want to change the partition of the HDD, press the Jump/Repeat button.
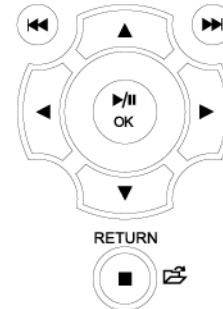
3 After selecting the icon, press the OK button.

4 You will see 2 files in the Video folder.

5 Using the up/down button, select the Video file content.
By pressing the OK button, you will be able to playback the video file.

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

If you want to play the previous video, press
The previous(|◀◀) button.
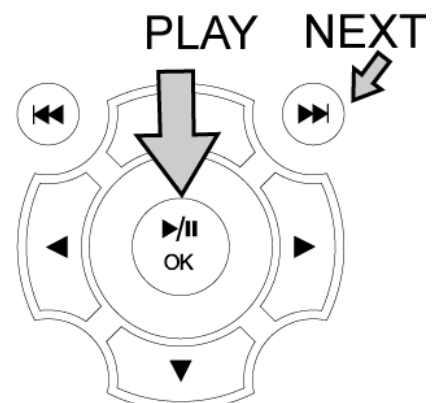
5.3 Play Audio Files

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

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

2 Select the Audio menu on screen A and press the OK button.

3 You will see the audio file content that you have just copied.

4 Select the audio file content using the up/down button. Then by pressing the OK button on the content highlighted   you are able to   playback   the audio file.

TIPS
If you want to play the next audio, press the NEXT(▶▶|) button.

If you want to play the previous video, press
The previous(|◀◀) button.
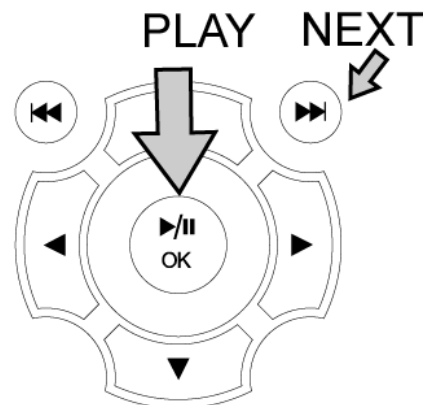
5.4   Play Image Files

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

1 You can 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 files that you just copied.

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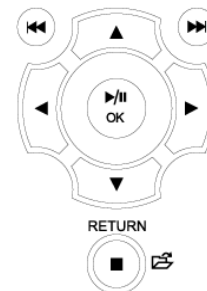
5 If you want to play the next image, press the NEXT(>>|) button.

TIPS
You can play the Video and Audio 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.

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6 Using the remote control

6.1   Basic Functions

This indicates Remote Buttons. Some buttons is not available without DTV Tuner.

Label (left)		Label (right)
POWER On/Off button		Mute button
Go to DTV Boot as DTV		Go to Photo Folder
Go to Video Folder Boot as Player		Go to Audio Folder
@ : / _ -		1/2/3/4 : used to change the partition (partition 1/ partition 2/ partition 3/ partition 4) 6/7/8/9 : used to change the Drive (Local/Network/Usb1/Usb2)
Scroll button		Zoom button
Previous File button		Next File button
Navigation Arrow Button REW / FF		
		OK/Selection button
Change Volume		Change TV channels Adjust Subtitle Sync
		STOP/Return Go to File mode
Information button		Bookmark button
GOTO button		Subtitle button
SETUP button		Shuffle button
DVD Menu button		DVD Title button
TV OUT button		Jump/Repeat button
		Sleep Function, Eject ODD File Copy/Move
Delete file or folder		TV Record button
		TV Guide button

Numeric Keys 1, 2, 3, 4 : used to change the partition (partition 1/ partition 2/ partition 3/ partition 4) in the TVIX Kit Hard disk

Numeric Keys 6, 7, 8, 9: used to change the Partition (Local/Network/Usb1/Usb2)

< Changing Batteries>

 - Use new batteries (2 AA size batteries are included in the package).

6.2 Descriptions of Each Buttons

During 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 Contents available on the TViX will be displayed on the TV Screen.
This only applies 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.

POWER On/Off button .... Mute button

Go to Video Folder .... Select Multi Audio

Scroll button .... Zoom button

Previous File button .... Next File button
When playing contents, you can skip or go to the previous contents with these buttons.
When stopped, it can be operated as the page up/down keys.

Navigation Arrow Button
REW / FF

Play/Pause button

Change Volume .... Adjust Subtitle Sync

STOP/Return
Go to File mode
Information button .... Bookmark button
GOTO button .... Subtitle button
SETUP button .... Shuffle button
DVD Menu button .... DVD Title button
TV OUT button .... Jump/Repeat button
Sleep Function, Eject ODD
File Copy/Move
Delete file or folder

<NOTE>

- INFO Button :
    - First Press – Shows information of the contents.

    - Second Press – Shows the elapsed time (the progress bar is displayed on the upper left hand corner of the screen).

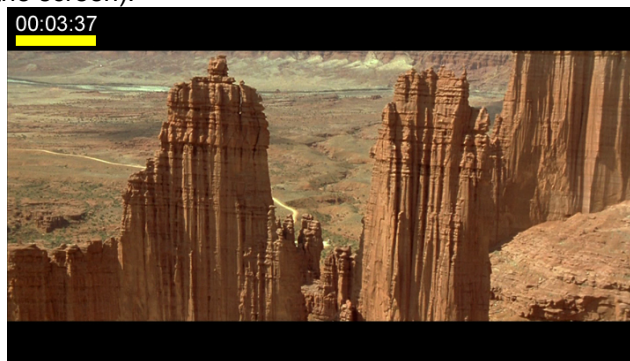   - Third Press – Show remaining time.
    - Forth Press - INFO off
    - Pressing Info button while you are not playing files shows remaining HDD space.
- SUBTITLE Button :
    - Supports SMI Multi-subtitle control with the Subtitle button.
    - First Press : Shows the Subtitle OSD. You can change the subtitle size using the OK button. If you press UP/Down button, you can change the position of subtitle.
    - Subtitle color or outline is configurable on the SETUP menu.
    - Supports .SUB (bitmap) + .idx subtitle files
    - PAL format .SUB subtitles are not supported in this version.
    - You can go to subtitle file selection mode by pressing TITLE button (next to MENU) on a remote controller. You can navigate folders and files and press OK button on a subtitle file you want.
    - You can change the subtitle sync using CH +/-
- 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 (Currently, Not support this mode).
    - Fourth Press – Zoom Off
- BOOKMARK : If you stop the movie, the stop position will be automatically saved and you can resume it later anytime by pressing the "bookmark" button on the remote control.
- SETUP Button
    - Picture adjustment. Contrast → Brightness → Saturation→Hue.
- DELETE Button : is used to delete the file or folder from the TViX Local hard disk.
            If you configure the remote controller lock up option on the SETUP menu, You must press the password ("1111") if you want to delete the file.
  When you do delete the file or folder, you must play the check disk periodically.
  TViX player is shown the disk check message if you need to check the hard disk..
  http://www.tvix.co.kr/ENG/FAQ/FAQM5000U.aspx?act=RD&id=130&pg=0&CATID=3&SCATID=2
- Sleep function has been implemented.
    - During playback You can set sleep time by pressing function key repeatedly on a remote controller.

- SLEEP ON will blink for 3 minutes before turning off
- ● The present playing time will be displayed with the GOTO function.
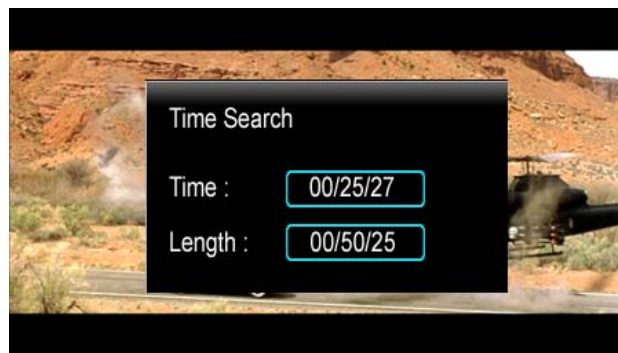
- ● FF/REW Button
  - AVI : 2X→4X→ 8X →16X → 32X.
  - DVD Jukebox : 2X → 4X → 8X →16X → 32X → 64X.

- ● STEP / SLOW Function
  With Pause mode - Right button : Slow Motion playback.
  UP/Down Button : 15 seconds skip or 15 seconds backward

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

TIPS
* Improved to save up to eight bookmarks on eight individual files. (It cannot save eight 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 the bookmark list when in USB HOST or LAN mode.
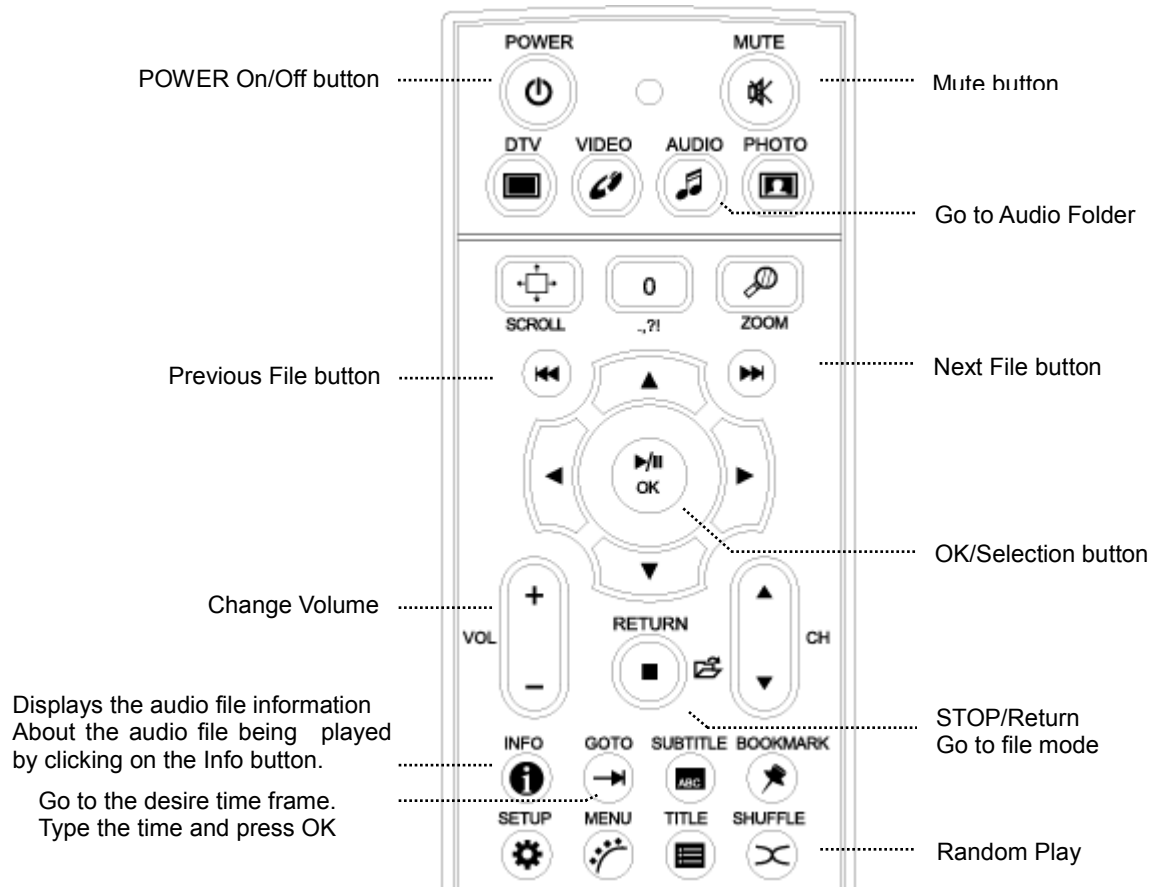

< DVD Jukebox Key >
● OK Button   - When a movie is playing it operates as a play button. In the menu screen it operates as a select button.
● PAGE-DOWN - Go to the next chapter.
● PAGE-UP   - Go to the previous chapter.
● AUDIO Button - You can change the audio. (International dubbing, DOLBY, 2CH, 5.1CH, DTS etc.)
● SUBTITLE   - Shows the subtitle menu.
● MENU Button - Shows the DVD menu screen.
● TITLE Button   - Shows the DVD title menu.
● ANGLE Button - If the DVD title has an 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 contents available on the Audio folder of TVIX will be displayed
It applies only to the active partition(first partition) if you have more than one partition.

POWER On/Off button .... POWER

Mute button .... MUTE

Go to Audio Folder .... (AUDIO/PHOTO)

Previous File button ....

Next File button ....

OK/Selection button ....

Change Volume ....

STOP/Return
Go to file mode ....

Displays the audio file information
About the audio file being   played
by clicking on the Info button. ....

Go to the desire time frame.
Type the time and press OK ....

Random Play ....

<NOTE>
** Some functions require the latest firmware updates in first.
● If you press audio file, then you will get the screen with song information.
   Pressing the info button again will take you back to the file list, where you can choose another song to hear.
   If there is no Tag information, it displays basic file information.
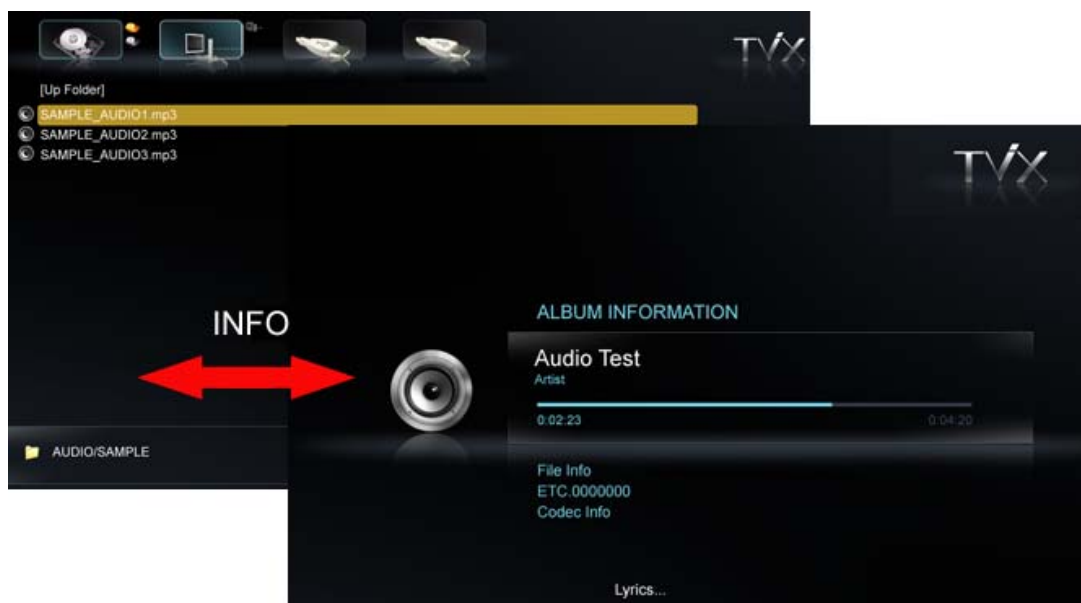
● Shuffle Function (Random Playback)
  - Press the Shuffle button to play the files of the present directory randomly.
  - Press the Shuffle button again to disable the shuffle mode.

● Supports 10 Sec function when playing WMA, WAV… files.
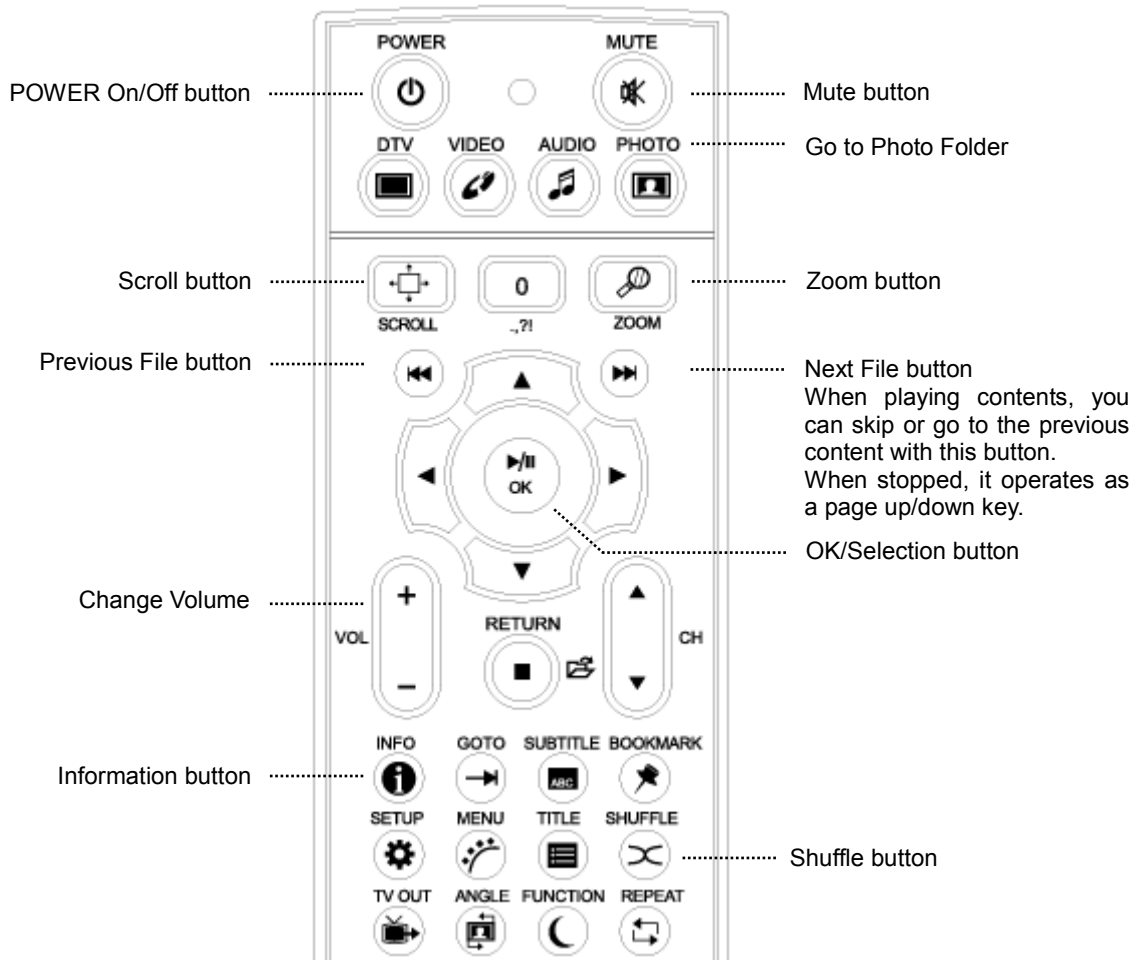 10 sec FF/REW function is available while playing audio files.
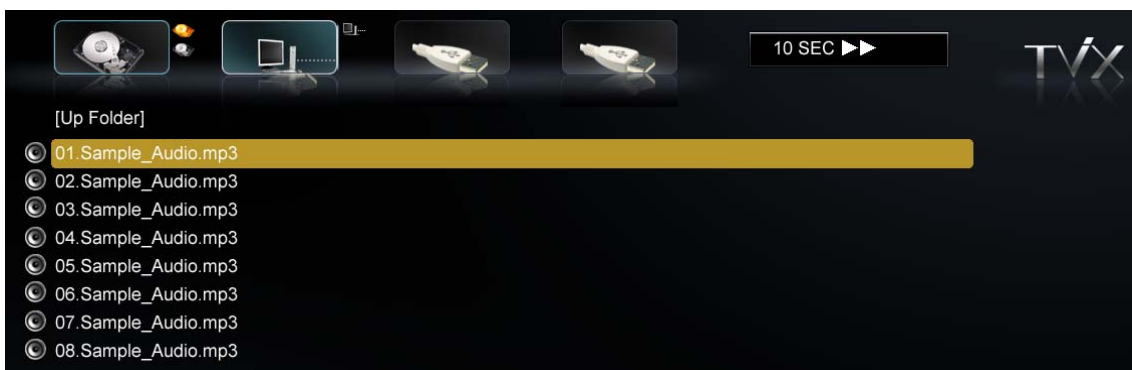
● Supports Lyric Files (.lrc)
  If the file name of a music file and .lrc file are the same, the lyrics will be displayed automatically.

● Supports ID3 TAG (ID3V1) when playing music files
  - Press the INFO button to view the ID3 TAG (ID3V1).
  - You can see additional information recorded on the music files, such as the artist, album etc.
  - OGG also displays basic Tag information

● m4a extension is also supported.

● You can change the audio tracks on WMV files.   Just press Audio key on the remote.

● When playing the DTS wav, adjust the TViX volume to 25 level.

6.2.3 Image Playback

When you press the PHOTO button on the remote control, only the contents available on the PHOTO folder of TVIX will be displayed.
It applies only to the active partition(first partition) if you have more than one partition.

POWER On/Off button ············· — Mute button
Go to Photo Folder
Scroll button ············· — Zoom button
Previous File button ············· — Next File button
When playing contents, you can skip or go to the previous content with this button.
When stopped, it operates as a page up/down key.
OK/Selection button
Change Volume ·············
Information button ·············
Shuffle button

<NOTE>

● You can set the slideshow time interval at the SETUP menu.

● You can change the size of the picture with the ZOOM and SCROLL button.

● Some non-standard JPEG files may not be displayed

● If you press the SETUP button, you will see in sequence the Brightness →Contrast → Hue → Saturation menus. In these menus, you can adjust the Contrast, Brightness, Hue and Saturation by pressing the left/right arrow buttons.

● The currently supported maximum resolution of picture is 3888 x 2592.

● Support browsing by icon mode
   Make a empty file named as "icon.tvix" on the folder that you want to browse by icon.
   The file name for the file used for the icon files is case sensitive, it must be the exact same name as the media file except that the extension must be jpg or png(if you want to use transparency, set the transparency color as 0xC8C8C8.)
   To show the folder as icon, please put "folder.jpg" or "folder.png" on the folder.
   The maximum icon size is 720 * 480, and the best size is 100 * 136.

Press the FUNCTION key on the folder, you can toggle the ICON mode.

7 Firmware Upgrade

Firmware Version Check.
- **1** Connect the TViX to your TV and then turn on the TViX
- **2** Press the SETUP button on the top panel and the setup screen will be displayed.
- **3** Check the latest firmware version of TViX 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

Downloading the Firmware.
- **1** Download the latest firmware from http://www.tvix.co.kr to your PC.
- **2** Connect the TViX to your PC with a USB and then turn it on.
- **3** Your system will recognize the TViX as an external hard drive.
- **4** Copy the latest firmware files into the root of the TVIX hard drive.
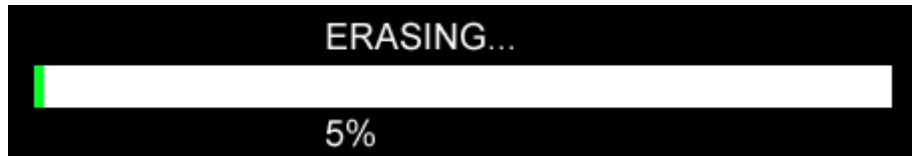- **5** Turn off the TViX and bring it to your TV for firmware upgrading.
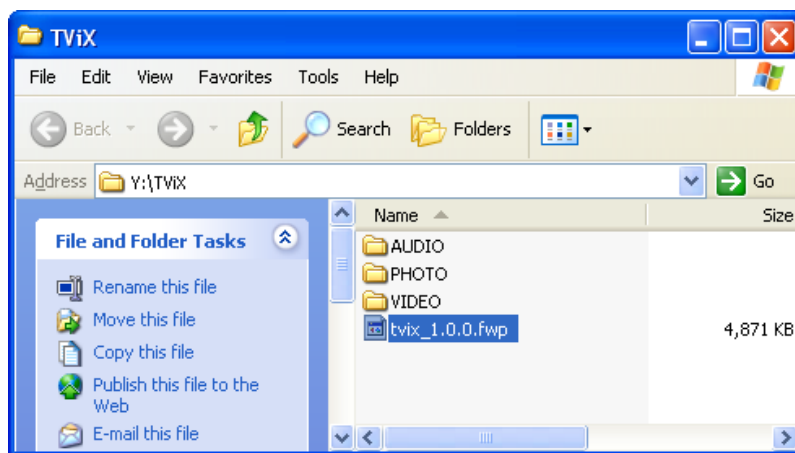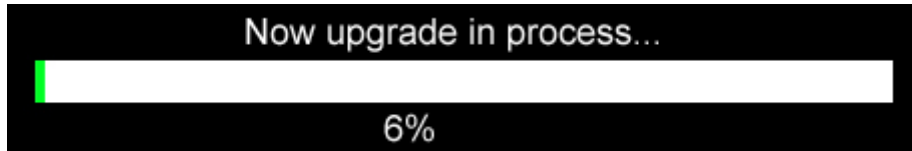

How to Upgrade the Firmware
- **1** Connect the TViX to your TV
- **2** Select the copied firmware file (ex: TViX1.0.1.fwp) and press OK on the remote to start upgrading.
- **3** The following screen will be displayed. Follow the instructions on the screen.
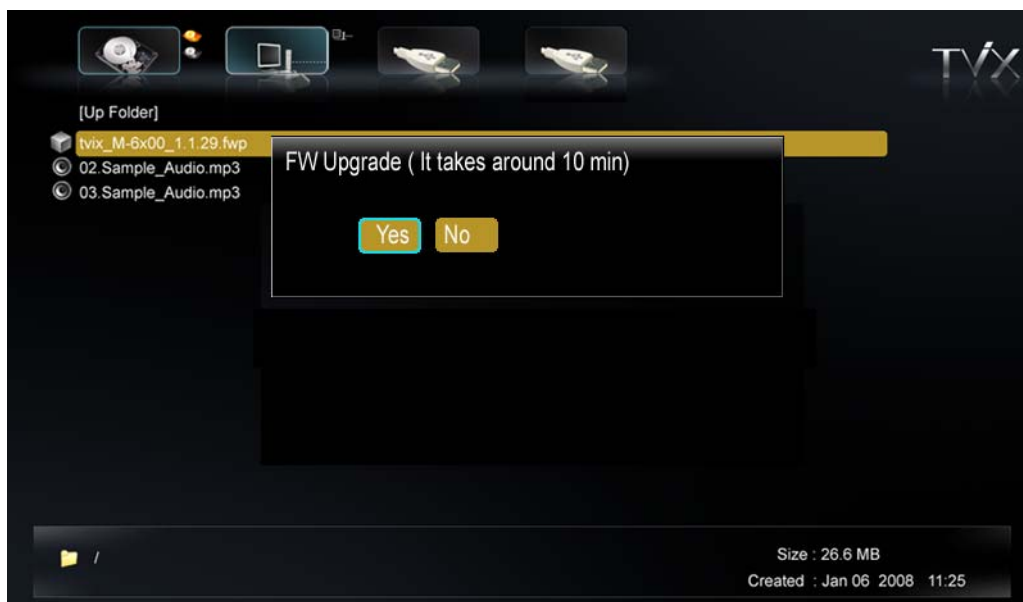
4 Erasing the old firmware is in process.

ERASING...

5%

5 New firmware upgrade is in process (takes about 1 minute). When the upgrade is successfully finished, the TViX will reboot automatically.

Now upgrade in process...

6%

< CAUTIONS: Safe Mode Upgrading >

Even if the TViX accidentally turns off during the firmware upgrade, the safe mode will enable the TViX to be re-upgraded.
Please follow the steps below:
1 Connect the TViX to your PC with a USB and then turn it on.
2 Make a tvixfw folder in your primary partition.
3 Copy the latest firmware file into the tvixfw folder of the TVIX hard drive.
4 Press the SETUP button on the top panel and turn on the TViX Using power button.
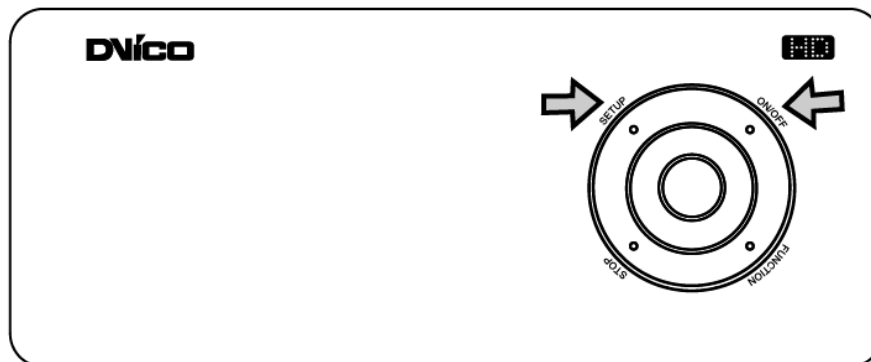
5 The VFD will show the copied firmware version, like HDD1/FW 1:01:00.
6 Press OK on the remote control to start upgrading.
7 The VFD will show PRE when erasing the old firmware is in process.
8 The VFD will show UPG when the new firmware upgrade is in process.
9 The TViX will automatically reboot after the upgrade has been successfully finished.