



Ver 1.0
Users Manual
www.mvixusa.com

Safety Notes

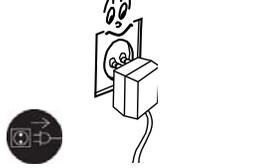
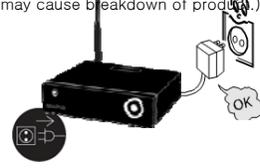
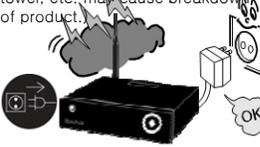
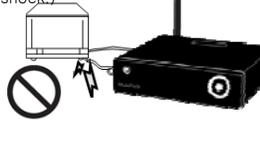


The following are to protect safety of user and to prevent damages to property.
Use product properly after carefully reading the following contents.

	Warning Violating instructions may lead to serious injury or death.		Caution Violating instructions may lead to slight injury or damage to product.
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○ Instructions

	Act prohibited		Contact by wet hand prohibited
	Modification prohibited		Power plug to be separated from power outlet

<p>Do not connect a number of power plugs at the same time. (This may generate heat or cause fire.)</p> 	<p>Do not forcefully pull out power cord. (Breakage of power cord may cause fire and electric shock.)</p> 	<p>Do not insert or pull out power plug with wet hand. (This may cause electric shock.)</p> 
<p>Do not insert power plug if it fits loose to power outlet. (This may cause fire or electric shock.)</p> 	<p>Make sure to turn off power switch and pull out power plug when moving product.</p> 	<p>Do not place plant pots, cups or objects filled with chemical or water, etc. on top of product. (This may cause breakdown of product.)</p> 
<p>Clean the outside of product by wiping it with lightly wet or dry towel. (Using detergent for grease removal, thinner or heavily wet towel, etc., may cause breakdown of product.)</p> 	<p>Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)</p> 	<p>Do not forcefully bend the connected power cord or have it pressed down by heavy objects. (This may cause fire or electric shock.)</p> 

Safety Notes



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○ Instructions

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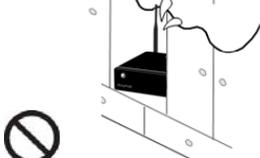
<p>Do not drop objects on top of product or exert impact to product. Keep product away from severe vibration or magnetic objects.)</p> 	<p>Do not place plant pots, cups or containers filled with chemical or water, etc. on top of product. (This may cause fire/ electric shock. Falling of the objects may also cause injury.)</p> 	<p>Do not place heavy objects on top of product. (Falling of objects may cause injury.)</p> 
<p>Do not cover up product or install it in places with poor ventilation, such as a wall closet, etc.</p> 	<p>Install product in level and stable place. (Otherwise, product may not operate normally.)</p> 	<p>Product must not be disassembled, repaired or modified. Take caution not to have foreign substances inserted into products. (This may cause breakdown of product or electric shock.)</p> 
<p>Do not install product in places where temperature is too high (35° or higher)/ too low (5° or less) or humidity is high.</p> 	<p>Do not install product under direct sunlight or near objects of heat, such as lit candle, cigarette or fire, etc.</p> 	<p>Do not place product in water. (This may cause breakdown of product or electric shock.)</p> 

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About Product



Multimedia library

High-Resolution HD-level Media File Playback: MvixPVR supports the max. of 1920X1080 interface scan to provide clear and high-resolution video picture quality. MvixPVR is built on the sophisticated video-decoding technology of Sigma Chipsets, thus delivering crystal-clear, video output to your HD-LCD or Plasma.



Supporting Diverse Movie Format Types

MvixPVR supports a variety of HD files, such as TP, TS and TRP files, along with the popular MPEG, DivX (3/4/5), Xvid, DAT, ISO, DVD (VOB, IFO) and MKV / WMV / ASF / MOV (if using trans-code server), etc. You can conveniently enjoy watching movies anywhere as long as you have access to a display device, such as TV, etc. (supporting SD-level film play for MKV).



Convenient Copy

MvixPVR allows you to copy a recorded media file (with FAT32 partition) to a network-connected PC. Also, you can copy files from PC to MvixPVR HDD or to USB storage device connected to MvixPVR.



Supporting Diverse Music Files

MvixPVR supports a variety of music sources, such as MP3, OGG, WAV, WMA, AC3 and DTS, etc. The player supports fast rewind / forward functions to enable media sampling.



Digital Photo Album

MvixPVR supports the upgraded JPEG and BMP image files. The entire family can enjoying watching the files through TV, etc. Also, vertically photographed filed can be rotated in screen for viewing without requiring modification.



Network-shared File Play

Files shared on a network can be played through wired/ wireless means without having to move them to the MvixPVR hard disk..



Supporting USB Host

MvixPVR supports 2 USB2.0 hosts. By connecting USB external storage devices, you can easily add additional storage to the MvixPVR and play the files on the external USB devices. A USB type memory card reader, etc. can also be used.



Supports High Resolution HDMI

Built in with HDMI terminal for digital signal output, MvixPVR enables you to enjoy video content with better picture quality..



5.1CH Audio Output and Down-Mix Function

MvixPVR provides 5.1CH AC3 audio and DTS, etc. Also, down mix function lets you play 2CH audio through TV, etc. without requiring an additional decoding device, such as amplifier, etc. (optical, coaxial).

Notes



1	Contents with copyright, such as music sources or media contents, etc., are protected pursuant to the related laws and regulations, such as Copyright Act, etc. The legal responsibilities in violating copyright or intellectual property right by using this product shall be assumed by the user.
2	Make sure to confirm the CODEC of your media file before playback. There are thousands of codecs available in the market and this product does not support all of those types. Only the playable CODEC files must be used. Even if CODEC is playable, the file may not be successfully played according to file characteristics or user environment.
3	When removing USB after connection to a PC, make sure to protect data and prevent erroneous operation of product by removing safety device. Also, make sure to turn off power of product when connecting or disconnecting separate storage devices to USB host of product. Otherwise, it may cause erroneous operation of product.
4	For hard disk, use 3.5" SATA type HDD. It must be formatted by the format method used by product. So, make sure to complete formatting when using product for the first time. Format erases all data. Make sure to back up.
5	This product uses a Windows PC and network sharer function. Network sharer may not operate normally due to error in Windows program or user environment. MvixUSA is not liable for this.
6	Save data stored in this product separately in a safe location. MvixUSA does not assume responsibilities for loss of or damage to the stored data.
7	Do not drop or exert impact to product. This may cause breakdown of product.
8	Protect inside of product from metallic objects or combustible foreign substances, etc. This may cause fire or breakdown of product.
9	Do not randomly disassemble, modify or repair product. This may cause breakdown of product. After-sale service will be provided at cost for breakdowns caused by random disassembly, modification or repair.
10	Keep product not to be in contact with water or liquid. Also, do not use product in a humid area. This may cause fire, electric shock or breakdown of product.
11	Do not clean the surface of product with chemical substances or detergents. This may damage the surface of product.
12	Do not expose product to high heat or direct sunlight. Long-term storage or use in high temperature may cause breakdown or disable successful file play. Make sure to use product in a well-ventilated area.
13	Do not leave product near highly magnetic objects. This may lead to data loss and breakdown of product.
14	Connect all cables when power to MvixPVR and TV is turned off. Mvix can be used as a multimedia player and a mobile disk when connected to PC. However, both functions cannot be used simultaneously.
15	Product may not operate successfully if used for a long period of time or used in areas with harmful elements. If buffering occurs, stop operation and restart product. Or rebooting is also recommended.

Specifications



Titles of Parts



Front

- ① Direction key (up/ down/ left/ right)
- ② Direction key OK (press)
- ③ Direction key OK (press by 3 seconds or longer -> move to HOME)
- ④ LCD status window
- ⑤ Power button
- ⑥ IR reception part
- ⑦ iPod expand connections

Back

- ① Wireless antenna
- ② Optical terminal
- ③ 10/100Mbps LAN port
- ④ USB2.0 A-type 2-port host
- ⑤ Stereo RCA terminal
- ⑥ Component terminal
- ⑦ Composite terminal
- ⑧ HDMI terminal
- ⑨ Input composite terminal
- ⑩ Input stereo RCA terminal
- ⑪ Fan
- ⑫ USB 2.0 A-type slave
- ⑬ Power

Specifications



Specifications

Product Name	MvixPVR	
Operating System	Linux	
File Format	Recording Partition : UDF (UNIX file system) File Partition : FAT32 / NTFS	
Encoding (Recording)	Recording Mode	HQ, SP,LP,EP,SLP
	Video	MPEG II (PAL 720x576, 352x576 / NTSC 720x480, 352x480)
	Audio	MPEG II (48KHz Stereo 256Kbps / 192Kbps)
Supported Files & Formats	Video	MPEG2 HD(ts,tp), Divx HD(avi), Xvid HD(avi), MPEG1/2 (dat,mpg,vob.ifo.iso), Divx (avi), Xvid(avi), MKV(NOT H.264), (Transcode server use : MKV(H.264 720P), RMVB, MOV,WMV)
	Audio	MP3, WMA, ACC, OGG, WAV, AC3, DTS decoding including down-mixing, DTS pass through
	Image	BMP, JPEG/JPG (Progressive JPEG not supported)
Video Input	Composite,	
Video Output	Composite, Component, and HDMI 1.1 With CEC	
Audio Output	Analog	Stereo RCA
	Digital	Coaxial, Optical
TV System	NTSC, PAL, or HDMI AUTO	
Hi-Def Decoding	HD COMPONENT Y, Pb, Pr (480, 720,1080) / HD HDMI (480, 720,1080i)	
	WMV, ASF, AVI and MP4 formats	
Audio Decoding	MPEG-1 and MPEG-2 Layers I, II and III (MP3), MPEG-2 BC multi-channel layers I, II and III, MPEG-2 and MPEG-4 AAC-LC,WMA9 and WMA9 Pro decoding	
Networking	Wire	Ethernet (10/100) LAN via RJ-45 Port
	Wireless	Wireless LAN
Network Security	Wireless: WEP, WPA,	
Network Protocol	Wireless : IEEE802.11b/g, 5dBi antenna (SMA type)	
	Wire : 10/100Mbps Fast Ethernet (RJ45)	
	TCP/IP (DHCP client mode, Manual IP mode)	
Hard-Disk Type	3.5" Internal SATA I / II (Not included)	
USB Interface	USB2.0 host, USB2.0 Slave	
Power	Adapter : Input : AC 100V-240V, 50/60Hz Out put : DC 12V, 3A DC In : 12V	
Dimension	225mm(W) X 200mm(H) X 59mm(D)	

Components



MvixPVR R2



Remote Control



5dBi Antenna



HDMI Cable



AV Cable



Power Adaptor



Power Cable



USB Cable



User Manual



Driver CD

Hardware Installation

MvixPVR



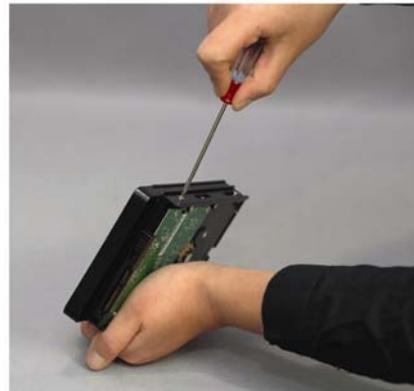
1. As shown above, unfasten the HDD cover screw and open the HDD cover on the side of product.



2. Remove the HDD cover on the side of product by pressing it down in the middle as shown in the picture.



3. Separate the HDD guard from the main body of MvixPVR.



4. Connect the HDD guard and SATA HDD as shown in the picture. Fasten screws.

Hardware Installation



5. As shown above, slowly push the HDD guard together with the SATA HDD into the main body of MvixPVR.



6. Install power cable and SATA cable to the mounted hardware.



7. When hardware mounting is completed, close the cover and fasten the screw by rotating it in clockwise direction.

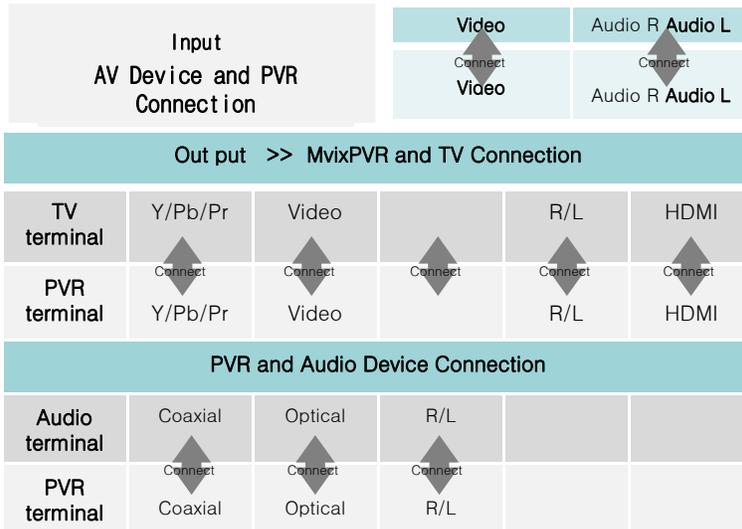


8. Hardware installation of the MvixPVR has been completed.

Connection

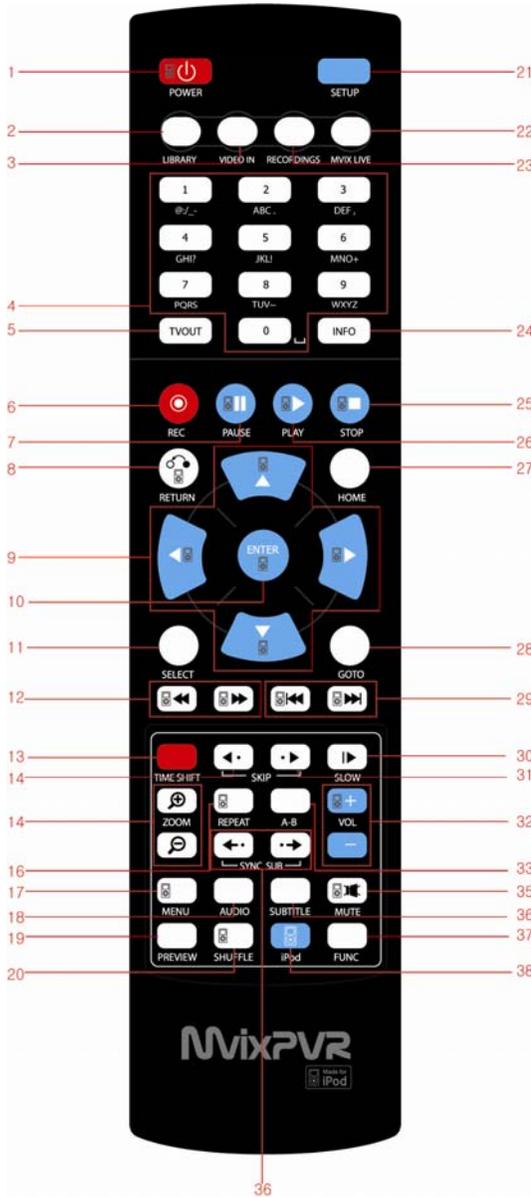


- Connect composite output of external AV device to Video In terminal of PVR.
- Connect one of the video output terminals ie 'Composite, Component, HDMI' to display device, such as TV, etc.
- To connect the audio output you have a selection of either Stereo RCA, Optical or Coaxial. Connect the output of your choice to the corresponding audio input on your TV , amplifier or surround sound system.



※ Video signals connected to the video input (Composite) are transferred to the video out (Composite). The relaying function is carried out even when power is turned off. However, power adaptor must be connected

Remote Controller Functions



1. POWER //STAND BY	21. SETUP
2. LIBRARY	22. MVIX LIVE
3. VIDEO IN	23. RECORDINGS
4. NUMBER BUTTONS	24. INFO
5. TVOUT	25. STOP
6. REC	26. PLAY
7. PAUSE	27. HOME
8. RETURN	28. GOTO
9. NAVIGATION buttons	29. PREV/NEXT
10. ENTER	30. SLOW
11. SELECT	31. SKIP >
12. FR/FF	32. VOL
13. TIME SHIFT	33. A-B
14. SKIP <	34. SUBTITLE
15. ZOOM + -	35. MUTE
16. REPEAT	36. SYNC < >
17. MENU	37. FUNC
18. AUDIO	38. IPOD
19. PREVIEW	
20. SHUFFLE	

Remote Controller Functions



No.	Button	Function
1		POWER: To turn on/ off power or stand-by mode
2		LIBRARY: Shortcut to LIBRARY menu
3		VIDEO IN: Shortcut to DIGITAL RECORDER menu
4		NUMBER BUTTON: To press buttons for numbers 0 ~ 9
5		TVOUT: Shortcut to HOME (menu) screen when playing DVD file
6		REC: To start recording/ repetitive pressing for recording by one-touch recording (OTR) with the fixed value of 30min/ 60min/ 90min/ 120min/ 180 min
7		TEMPORARY STOP: To stop screen temporarily/ repetitive pressing for moving screen per 1 frame
8		RETURN/ CANCEL: For returning
9		DIRECTION KEY: To move and select cursor
10		ENTER: To confirm selection/ play
11		SELECT: To select files to be copied when using copy function
12		F.B / F.F: 1.5x/2x/4x/8x/16x/32x speed, function available in mp3 as well Sound output available in 2x speed
13		TIME SHIFT: Stop watching TV at any point and continue where you stopped at a later stage
14		SKIP <-: To go back to screen in play by 10 seconds
15		ZOOM + / - : To enlarge and reduce screen/ repetitive pressing for adjusting zooming +/ - percentage/ moving to position of enlarged output by using direction keys Function available for use during film/ photo file play (2x/3x/4x/8x)
16		REPEAT: To repeat file in play or to repeat all media files in the corresponding folder
17		MENU: To change or set DVD file menus by moving to MENU screen during DVD(VOB) file play
18		AUDIO: TO change or select audio tracks of file in play

Remote Controller Functions



No.	Button	Function
19		PREVIEW: To turn on/ off preview screen automatically displayed in media play file search mode
20		Shuffle: To change play sequence to shuffle (for iPod only)
21		SETUP: Function available when playing media file or using menu' s in VIDEO IN screen To display various setup screens
22		MVLX LIVE: Shortcut to MVLX LIVE menu
23		RECORDINGS: Shortcut to RECORDINGS menu
24		INFO: To display the current status Function available while recording is in play/ repetitive pressing for displaying network status/ to hide or display OSD of TIME SHIFT function
25		STOP: To stop file in play
26		PLAY: To play the selected file
27		HOME: To go to main screen or to display the projected main screen
28		GOTO: To select file in the same title or to execute shortcut to the already designated chapter position/ shortcut to the desired time position
29		PREV/NEXT: To move to previous file (list) or next file (list)
30		SLOW: Repetitive pressing for play in slow motion by 3/4x / 1/2x / 1/4x / 1/8x / 1/16x / 1x in sequence
31		SKIP ->: To advance screen in play by 30 seconds
32	 	VOL: To adjust volume
33		A-B: To set zone repetition
34		SUBTITLE: To change text coding language setup for reading subtitle files
35		MUTE: For mute function
36		SYNC <- / ->: To adjust sync of subtitle files played with film (100ms/ 0.1sec)
37		FUNC: To implement the function of ~
38		iPod: To convert remote controller to iPod control mode/ repressing for returning to PVR mode

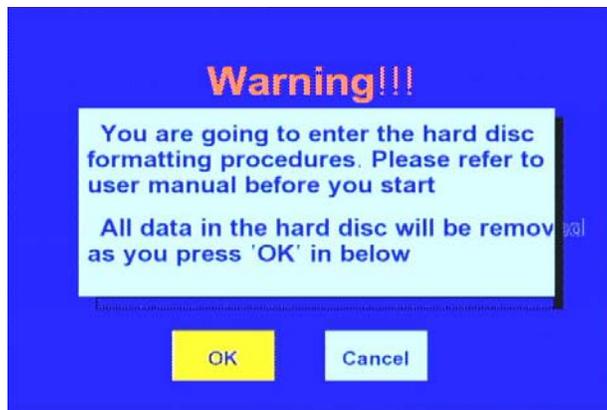
Chapter 1. PVR Setting



1) HDD Formatting

To use product, install the HDD and format it by using format menu. (HDD formatted in Windows –based PCs cannot be used.) After mounting HDD in PVR, move to SETUP->SYSTEM menu. Select "HDD Format" menu and choose the option

***Note:** Formatting erases all files saved in HDD and the files cannot be restored. Make sure to backup important files. Format is carried out upon user's consent. Therefore, we do not assume responsibility for loss caused by negligence.
->When HDMI is connected, the screen may not be displayed. This is because the method of image output does not match up with TV. If screen is not displayed, connect TV using A/V cable.



1. Select OK button and press ENTER in remote controller.



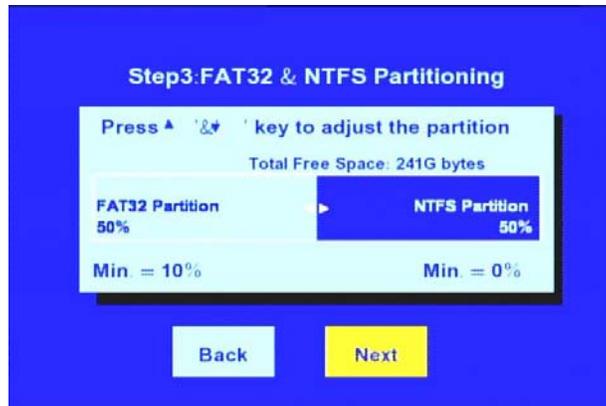
2. The first stage of time shift is adjusted. You can set values by pressing up/ down keys in remote controller. After setup, select 'Next'. Default: 1 hour/ Max. of 4 hours, file system UNIX (UDF)



- Adjust the second stage of multimedia and recording. Capacity allocated to multimedia is divided again in FAT32 and NTFS, the next stage of Windows file system. After setup, select 'Next'.

Default: 50% , Min.: 10% file system UNIX (UDF)

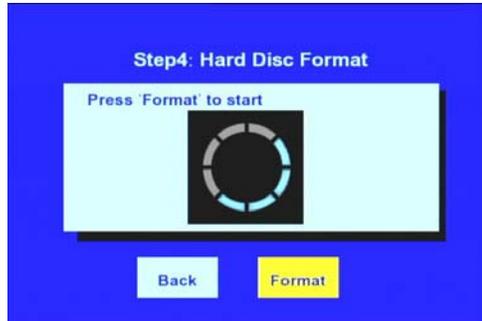
Recording DISC : Recordings Library Multimedia DISC : Media Library



- Adjust the third stage of FAT32/ NTFS. In case of FAT32 partition, the minimum value is 10% or higher. For NTFS partition, there is no restriction in minimum value allocation. Therefore, it can be allocated as 0%. After FAT32 and NTFS partition is done, Copy Recordings Here, which is displayed after format completion, is FAT32 file system and Media Library is NTFS file system. When NTFS is set as 0%, only HDD1 (FAT32) is displayed. After adjusting capacity, select 'Next'.

Default: 50%, FAT32 : Min. 10% NTFS : 0%
 FAT32 : Copy Recordings Here NTFS : Media Library

TIP
 In partition composition of Copy Recordings Here (FAT32), the recorded file is also used as the copy area. Allocate sufficient capacity if intending to record and store high-capacity files.



5. When setup is finished, select 'Format' and press 'Enter' to proceed formatting. Do not turn off or adjust power of product while formatting is in progress. This may cause breakdown of HDD.



6. When message informing format completion is displayed, press 'OK'. Rebooting is automatically carried out. When rebooting is completed, HDD initialization is completed.

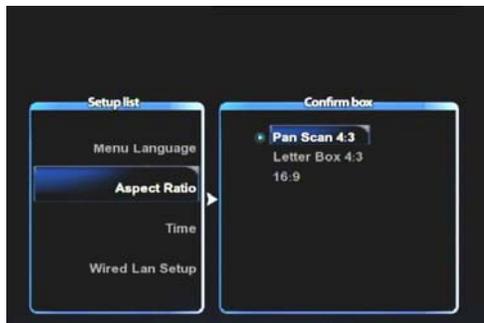
Chapter 1. PVR Setting



2) Language/ Resolution/ Time Setting in Wizard



1. When HDD is formatted, initial setup screen is displayed as shown in the picture. Select your preferred language used and press OK..



2. Adjust the ratio of TV output resolution. (Refer to description on TV resolution on page 47 (Setup -> Video.)



3. Set current date and time by pressing up/ down button. Press OK.

TIP
Make sure to set time to be the same as current time in order for normal recording with record preset function of TIMER.

Chapter 1. PVR Setting



3) Network Setting in Start Wizard



1. Select the method to connect wired LAN to network. DHCP IP automatically allocates IP address.



2. To set static IP address and allocated them, make and save input by using number keys in remote controller.

Note

Normal operation is not possible if setting the same IP as peripherals. Make sure to enter accurate IP address within IP bandwidth that can be used in router.

Summary of Main Menu



1. MEDIA LIBRARY

You can play media of various files, such as film, music and photograph, etc. connected to USB, HDD and NET or enjoy high-resolution movies. Also, you can connect to and play share files in a computer that is connected to network. MvixPVR also supports the functions of preview or to control storage devices connected to USB host. In addition, you can play media file while recording is in progress. By connecting USB card reader to USB host, various memory chips can be expanded for use. Digital camera and mobile phone, etc., which can be used as mobile storage device, can be directly connected to play and copy media files.

2. MvixLIVE

The new MvixLIVE functionality enables you to view online movies, photos and weather information directly via your PVR .

3. DIGITAL LIBRARY

Video input is directly displayed. Also, video content on the display can be recorded or processed for time shift function. MvixPVR supports multi-threading function that enables you to use the MEDIA LIBRARY menu by returning to the HOME screen while maintaining the recording status.

4. RECORDINGS LIBRARY

Recorded and saved media files can be viewed. This menu provides the basic editing functions, such as cut, split, merge and extract file based on Windows file system.

5. TIMER

Set preset recording from VIDEO IN source. When unit is switched off the MvixPVR will automatically turn on and begin recording. When recording is completed, it will be automatically turned off.

6. FILE MANAGER

Without the complication of having to copy files between storage devices by connecting them to your PC, you can copy files using USB/HDD/NET from PC to HDD, from USB storage device to HDD or from MvixPVR to network - connected PC.

7. SYSTEM SETUP

This function is used to make or change various system setups, such as menu language/ subtitle coding method/ network/ TV output method and audio and video recording setup, etc. Settings can be changed while file is being played. Setup is immediately applied.

8. iPod DOCKING (Expansion)

iPod TV-OUT function can be used. Recording and play control are possible while charging is in progress.

9. UPnP SERVER (Additional Function)

Using free DDNS, you can play or download all data by connecting to HDD mounted in PVR anywhere as long as there is a local connection PC or PC with Internet connection.

Chapter 2. Major Functions

MVIXPVR

1) MEDIA LIBRARY

1-1. Music



<Screen for Preview Display>



<Screen for Music Play>

Music

This menu displays only the music files. In preview screen, file capacity and ID3TAG (V1) are displayed. You can listen to music while experiencing the upgraded photo conversion effect.

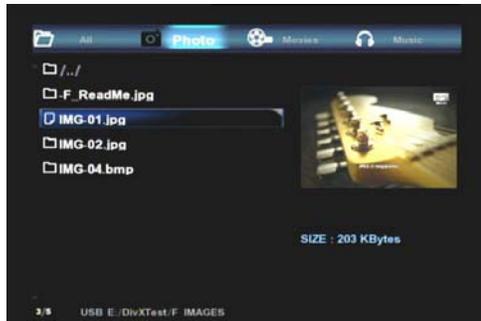
TIP

Shortcut to MEDIA LIBRARY is possible from any menu by using LIBRARY quick button in remote controller.

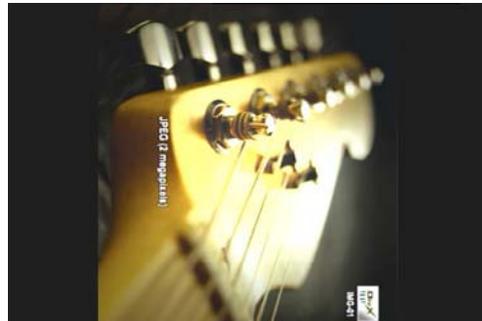
Chapter 2. Major Functions

NvixPVR

1-2. Photo



<Screen for Photo Preview>



<Rotated Screen>



<Full Screen>



<Enlarged Screen>

Photo

This menu displays only the photo files. Zooming function (2x/4x/6x/8x/16x/Fit) lets you expand photos and check their locations. Using <Left/ Right> keys, you can instantly rotate vertically taken photos without having to modify them (supporting BMP/ JPEG formats, progressive JPEG format not supported). All photos in folder are automatically displayed in slide show. The interval of slide show can be adjusted as 2/ 5/ 10/ 30 Seconds or 1/2minutes. A variety of conversion effects are also available.

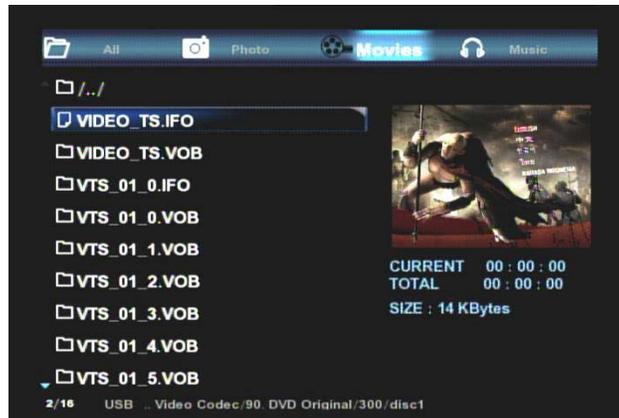
TIP

You can enjoy slide show with music and diverse effects by activating SYSTEM -> MISC -> Transition Effect setup.

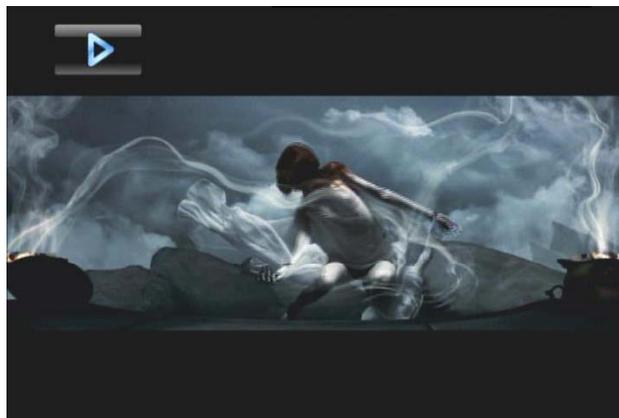
Chapter 2. Major Functions

MVixPVR

1-3. Movie



<Movie Preview Screen>



< Screen for Movie Play >

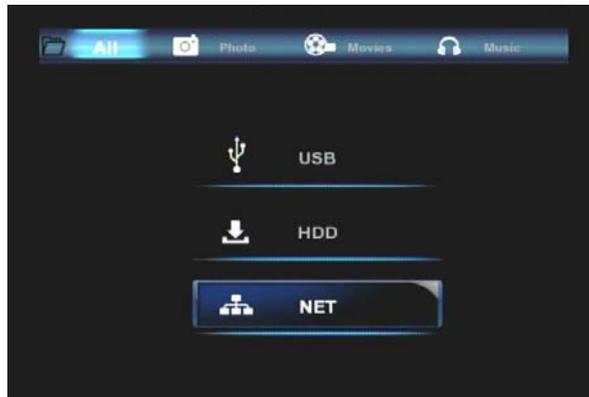
Movie

This menu displays only the movie files. Supporting quick preview function, this menu enables you to check before playing files. You can change and apply setup by entering setup menu while various files (media file, etc.) are being played.

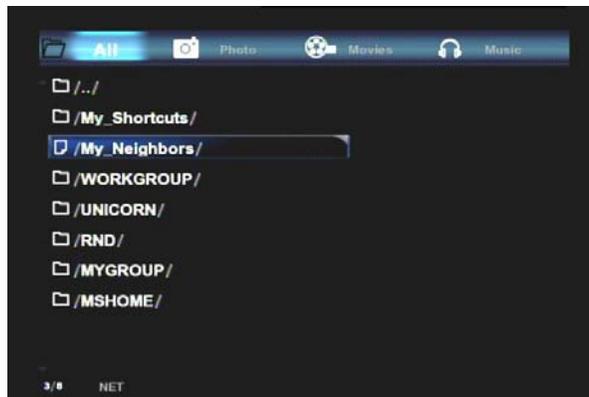
Chapter 2. Major Functions

MvixPVR

1-4. Network Share Folder and Using MvixFts



1. Access net in the first screen of MEDIA LIBRARY.



2. Access net while network is being successfully connected to display network group name. Move to the position of shared folder in PC and play media file through network streaming. To directly access PC installed with MvixFts, select My_Neighbors and search shared folder to play media file.

※ Refer to MvixFts program installation in page.

Chapter 2. Major Functions

MvixPVR



< MKV Preview Screen Using Mvix FTS >



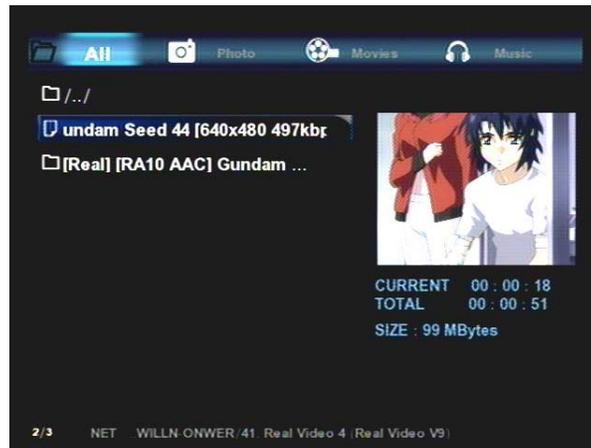
<MOV Preview Screen Using MvixFTS>

TIP

If "The file you have requested cannot be displayed directly. Please use Mvix FTS installed in your PC." message is displayed, install MvixFTS program in PC. In MvixPVR, play the movie located in PC.



<WMV Preview Screen Using MvixFTS >



<RMVB Preview Screen Using MvixFTS>

※ About MvixFTS Program

Using MvixFTS application included with your MvixPVR, you can enjoy watching movies that are not natively supported by the MvixPVR media playback engine, such as MKV/WMV/MOV and RMVB, etc. In case of MKV, self-play function is supported. However, in case of HD level (x.264) MKV CODEC, play is only possible by using MvixFTS. Using MvixFTS requires a high CPU use in the PC. Therefore, a high-spec PC lets you enjoy watching movies without buffering. Successful play of 720P level movie is possible. For video files of 1080P level that require high specifications, successful play may not be possible in some PC environments. MvixUSA does not provide a guarantee for this.

Chapter 2. Major Functions

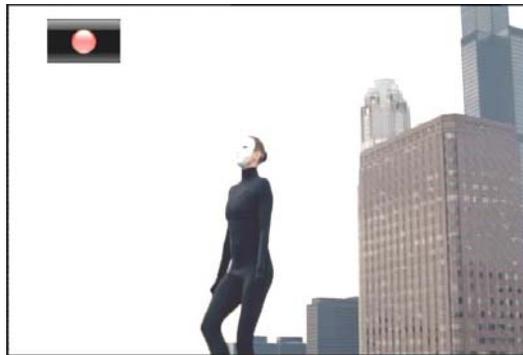
MvixPVR

2) Digital Recorder

2-1. Video In Recording



<Screen to Select Digital Recorder (Video In) in Main Menu>



<Input Signal Screen at Recording Time>

Select DIGITAL RECORDER menu to display the Video Input digital media. To record the desired part, press  in remote controller to start recording. Each time the button is pressed, recording time is designated as 30/ 60/ 90/ 120/180/ 240 min./ off. When recording starts, image of REC button is displayed at the top left-hand corner of screen.

TIP

Using  VIDEO IN quick button in remote controller, you can access shortcut function from any menu. This must be in the state in which movie is being entered into Video In (input) terminal. Recording is not possible if the input signal itself does not exist.

Chapter 2. Major Functions

NvixPVR

2-2. Simultaneous Use of Recording and Media Library



<Screen for Pressing INFO Button while Recording is in Progress>

To check recording status, press  in remote controller and check save position, quality setting status and recording progress.

To stop recording, press  in remote controller.

Press  'HOME' in remote controller while recording is in progress and play movie in MEDIA LIBRARY menu.

2-3. Time Shift



<Screen for Time Shift>

Press  TIME SHIFT button on remote controller to temporary stop live broadcasting.

Press  button to continue playing the movie. Using TIME SHIFT function keys, slow motion/rewind and review/ fast view, etc. are possible. Activate TIME SHIFT function from the beginning

and press  button. This way, you can conveniently rewind the part missed or view it in slow motion.

TIP
You can hide/ show OSD in the status bar of  TIME SHIFT by pressing  button.

Chapter 2. Major Functions

NvixPVR

3) Recordings Library

3-1. Play Recorded Title

In Home screen, select RECORDINGS LIBRARY menu.



<Screen to Select Recordings Library in Main Menu>



<Screen to Preview Recorded Title>

RECORDINGS LIBRARY menu displays the recorded and saved titles. Select a title and select medium in the left screen to

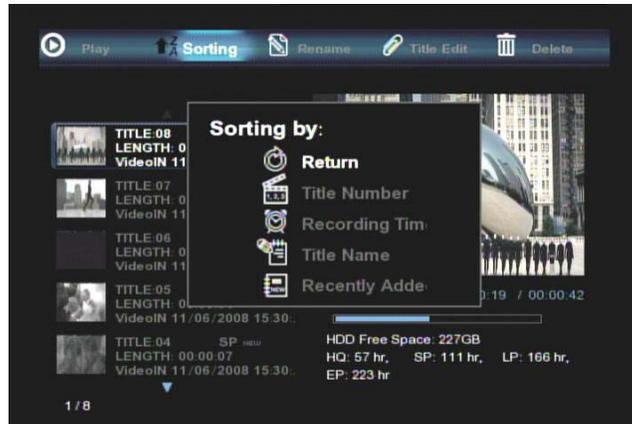
preview the title. Therefore, the saved screen can be checked instantly. In PLAY menu, press  to play the selected title file. After activating recording, enjoy watching media file in MEDIA LIBRARY menu. Then, enter RECORDINGS LIBRARY menu to play the recorded title from the beginning without stopping the recording status.

TIP
TIME SHIFT is not saved. However, with this method, TIME SHIFT function can be used while saving is simultaneously carried out.

Chapter 2. Major Functions

NvixPVR

3-2. Sort Recorded Title



<Screen for Playback Title Sorting Menu>

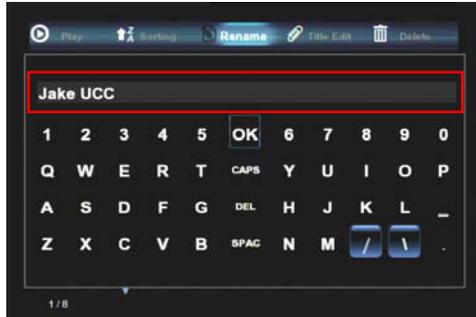


1	Return	To return to the previous screen
2	Title Number	To sort titles according to title number, the order of recording
3	Recording Time	To sort titles according to recording time
4	Title Name	To sort titles according to title name
5	Recently Added Title	To sort titles according to the recently added files

Chapter 2. Major Functions



3-3. Change Name of Recorded Title



Name Change

Names of titles saved with input line and recording time as default can be changed. Make selection by using



buttons of remote controller. Then, press OK to change title name.

3-4. Edit Recorded Title



1	Return	To return to previous screen
2	Set Thumbnail	To designate and set preview screen
3	A-B Erase	To set and delete the desired zone of A and B
4	Split Title	To set and delete the desired zone of A and B
5	Merge Title	To merge the recently recorded title and the previous title
6	Add Chapter Mark	To set the desired point in advance
7	Remove Chapter Mark	To delete the set point
8	Copy REC file to Media	To copy recorded file to record disk When copying high-capacity file of 2GB or more, recorded file is automatically split and saved per 2GB unit.

TIP

As the basic position of file extraction, file is saved in MEDIA LIBRARY -> Copy Recordings Here disk.

Chapter 2. Major Functions

NvixPVR



Thumbnail Setting

Set the parts displayed in preview screen. You must press PLAY button at start as it is in temporary stop status. Then, select Confirm and press  in remote controller.



Cut A-B Zone

Set the desired points in the recorded file and delete the designated zone. Designate starting point as SET A and ending point as SET B. Press OK to delete the designated A-B zone. The deleted part cannot be restored. Therefore, accurately check the points before deletion by using rewind or fast forward function.

TIP

To accurately designate A-B zone, play file with  SLOW button rather than PLAY. This way, you can designate the zone more accurately.

Chapter 2. Major Functions

NvixPVR



Split

A single recorded file is split into two. Move to the part for splitting by pressing  PLAY or using   forward function. Then, Press OK. The point of split can be accurately designated by using  slow button (3/4x / 1/2x / 1/4x / 1/8x / 1/16x/ 1x).



Merge

Two recorded titles are merged. The selected title is merged with the previous title. With a simple button control, two titles can be merged into one to create a film of which a variety of frames are combined.

Chapter 2. Major Functions

NvixPVR



Chapter Designation/ Memory

Quick screen conversion is possible in play position by designating/ memorizing random position in recorded title. If Using GOTO function, you can move immediately to the designated chapter position without having to memorize play time.



Clear Chapter Designation/ Memory

This function is used to re-designate or delete the chapter for which random position has been designated/ memorized in recorded title. Using rewind/ fast forward, etc. move to the required position and press DELETE to delete the memorized chapter.

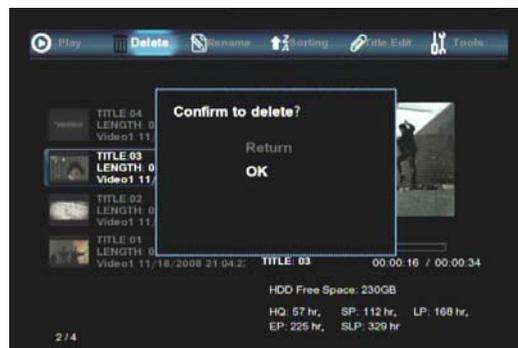
TIP
The part designated as chapter can be used when pressing GOTO button during play.



Copy to Record Disk

Recorded titles saved in UDF system are copied to Copy Recordings Here disk. Video and audio CODEC of the saved file are encoded and saved as MPEGII.

3-5. Delete Recorded Title



Delete Recorded Title

Recorded titles are deleted. Place selection bar on the recorded title to delete. Then, move it in   left/ right direction to select DELETE menu. Deleted titles cannot be restored. If you are intending to increasing reserve space for recording while leaving the recorded titles, it is recommended to delete titles after copying them to Copy Recordings Here partition.

TIP

To copy titles saved in RECORDINGS LIBRARY through connection to USB SLAVE in Windows OS, execute Copy to Record Hard and connect the titles to USB SLAVE. Then, the files can be viewed in the hard disk in PVR.

Chapter 3. For Advanced Users

MvixPVR

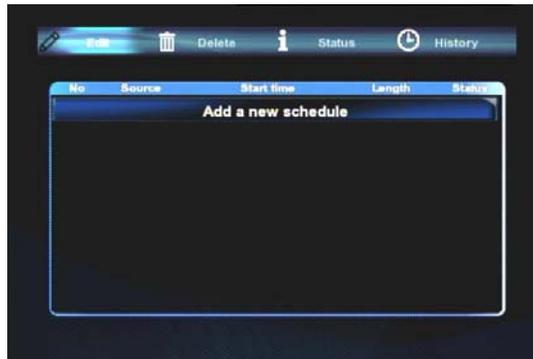
1) TIMER



Timer

Automatic booting is carried out to start recording on the date and time designated by preset recording function. The time applied to scheduler is based on the time applied in MvixPVR. Therefore, before using product, set time to be the same as actual time in SETUP -> SYSTEM -> TIME.

1-1. Add Preset Recording



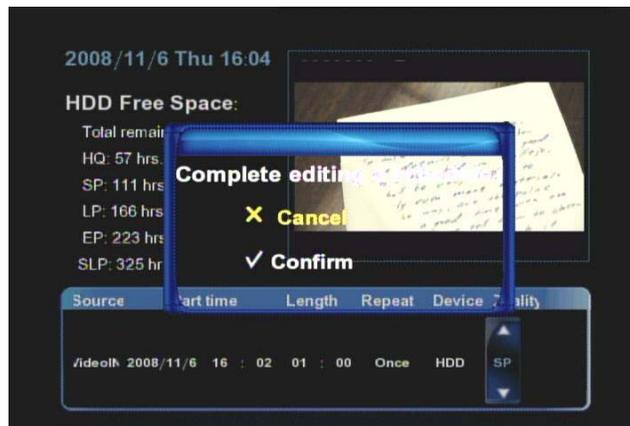
Preset Recording

In scheduler, press OK in Edit menu to display a window to preset time for recording.



As of **No. 1**, a screen to preset recording date and time is displayed. Preset recording date, time and recording time are designated in order. It is not necessary to add/ modify the designation each time. Setting is repetitively made in the order of once, daily, Monday ~ Friday, Monday ~ Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday.

No. 2 shows the time set in MvixPVR. **No. 3** displays the reserve space of HDD as time according to quality type. **No. 4** shows the current input screen. (For details on quality type, refer to page 49)



Finish up preset recording time setting and press OK. Then a window is displayed to ask you whether to add the designated contents in scheduler. Select OK and apply the setting.

TIP
 When preset recording schedule is saved and power is turned off, you will automatically enter standby mode. Then, the middle and right LEDs in the main body of PVR simultaneously start blinking.

Chapter 3. For Advanced Users



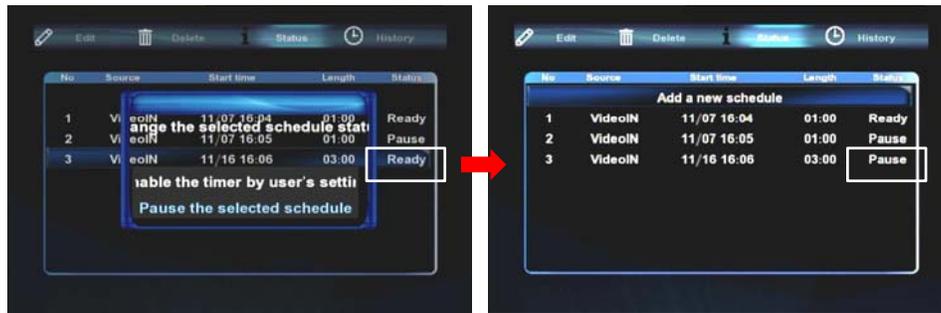
1-2. Delete Timer



Delete Timer

Move to delete menu to find Select Menu in which you can delete the presetting selected from the preset list in scheduler and menu window where you can delete all preset list. Press OK to use the function.

1-3. Timer Status Change

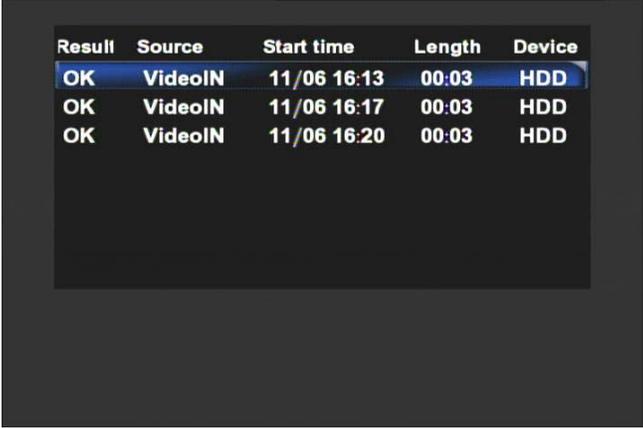


Timer Status Change

This function is used to temporarily stop the status of using the saved preset recording list or to change the status back to 'use'. To change the status of preset recording list, place cursor on the list to change and press OK button in remote controller. When status change window is displayed, select 'use timer with user setup/ temporarily stop the selected schedule' menu.

3 Chapter 3. For Advanced Users

1-3. Timer History



Result	Source	Start time	Length	Device
OK	VideolN	11/06 16:13	00:03	HDD
OK	VideolN	11/06 16:17	00:03	HDD
OK	VideolN	11/06 16:20	00:03	HDD

Timer History

This function is used to check the record scheduler menu. You can check the success status of schedules that have been completed within the preset recording window. Success is indicated as OK and failure as Fail.

Chapter 3. For Advanced Users



2) FILE MANAGER

1-1. Copy Function

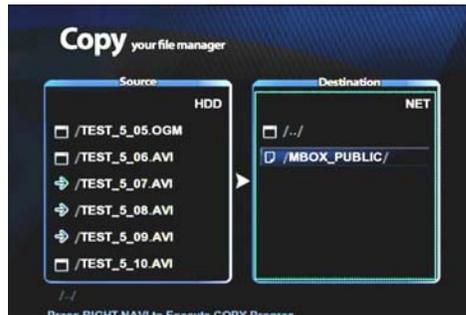


Copy

File is copied to either the storage device that is connected to MvixPVR or to a share folder on a network-connected PC. File can be copied both ways by using USB, HDD and NET.

This function enables you to use USB->HDD,NET / HDD-> USB, NET / NET -> USB, HDD.

Copy is not possible in Media Library file system among target disks (Copy Recordings Here (FAT32)/ Media Library (NTFS)). Copy is possible to Copy Recordings Here disk. As for partition, copy is possible at present only to disk of FAT32 file system.

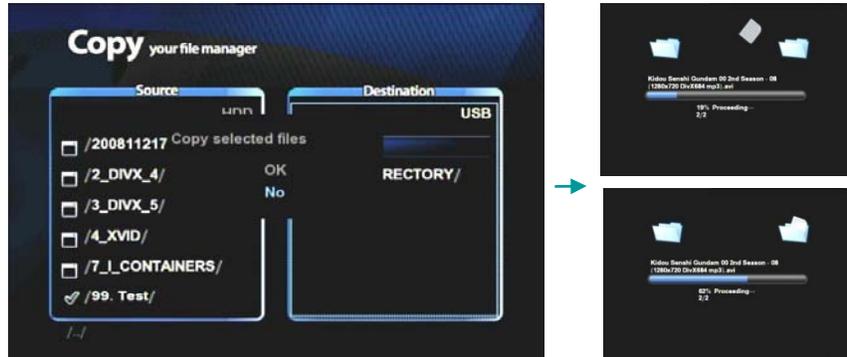


MvixPVR supports the function to conveniently copy files among USB/ HDD/ NET only with a remote controller. Firstly, search file to copy in source window screen. Place cursor over the file and press Select in remote controller to select the file. If a folder is selected, all files in the folder are copied. MvixPVR also supports the function to select and copy files from various folder

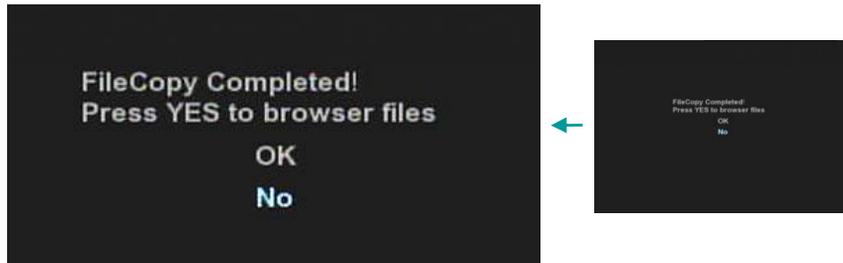
TIP

Copy function can be used for all files in addition to video files. Two drives appear when accessing HDD mounted in PVR. Each drive holds the file system of Media Library : NTFS/ Copy Recordings Here : FAT32.

Chapter 3. For Advanced Users



Check the original file to copy as shown above. Then, select the "copy to" position. Press right direction key in remote controller to display a window asking for the status to proceed copy. Select OK and press **ENTER** in remote controller. When copy proceeds, the above screen is displayed.



When copy is completed, the above screen is displayed. If OK is selected, the screen will display the browse file menu. If No is selected, you will be returned to the first screen for copy.



Refer to network setting in page 59 if the above message is displayed when attempting to copy files into a share folder of a PC located on the network.

Chapter 3. For Advanced Users

MvixPVR

3) MVIX LIVE



What is MvixLive?

MvixLive supports real-time broadcasting streaming. Using online RSS, You can use popular film, digital photo and weather functions. For user convenience, MvixLive also supports a unique search function for easy accessibility.



TIP
Connection may not be possible if link is not normal or has been blocked.

Chapter 3. For Advanced Users



4) UPnP Server

Using Mvix UPnP Media Server

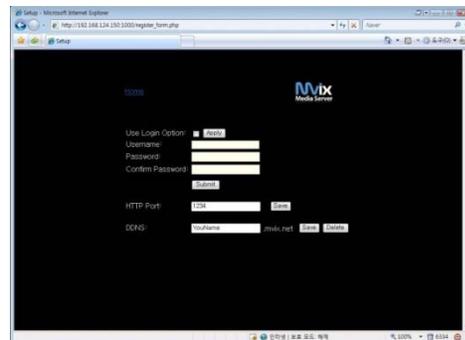
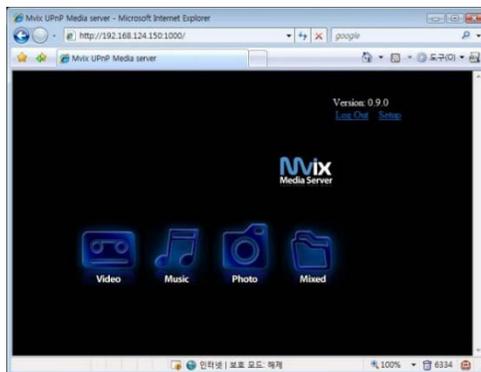
SYSTEM SETUP->MISC->UPNP MEDIA SERVER -> ON

Activate Mvix PVR UPnP function through the above sequence.

In SYSTEM SETUP -> NETWORK, enter the allocated IP address for connection to MvixPVR UPnP Server.

By using the free DDNS of www.mvixusa.com, you can connect to the MvixPVR anywhere, anytime.

Default value of port number is 80. For port number of random value, up to 4-digit numeric combination can be used.

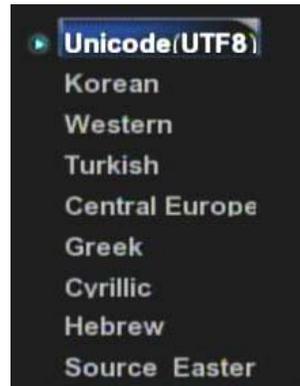


1) Language Setting



① Menu Language

Language for menu is changed. Available languages are English, Japanese, Spanish, French, German, Italian, Korean and Dutch. The changed language is immediately applied.



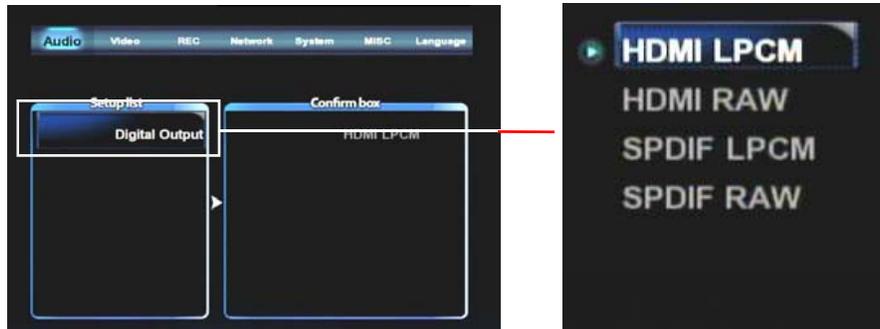
② Text Encoding

Method of display to fetch subtitle file from computer is changed. Unicode(UTF8)/ Korean/ Western/ Turkish/ Central European/ Greek/ Cyrillic/ Hebrew/ Source Eastern are available.

TIP

Unicode, the industrial standard designed to consistently express and handle all letters of the world in a computer, environment.

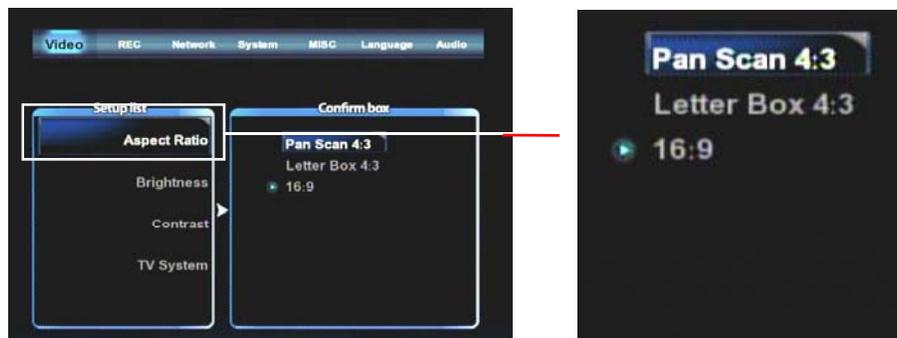
2) Audio Setting



Digital Audio Output

To output down-mixing option of DTS and Dolby5.1 to 2 channel stereo select HDMI/ SPDIF output as LPCM, To output DTS and Dolby 5.1 select RAW HDMI/ SPDIF, connect coaxial or optical cable to amplifier/ receiver, and it will decode the 5.1CH DTS/ Dolby digital output.

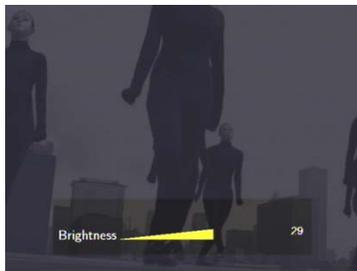
3) Video Setting



Aspect Ratio

Screen ratio can be set to suit TV type. Setting is changed to Pan Scan 4:3/Letter Box 4:3/16:9.

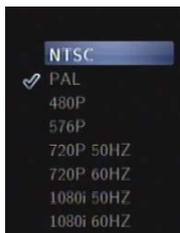
Pan Scan 4:3	This ratio is used when aspect ratio of TV is 4:3. This setting is to show the film of 16:9 ratio by cutting it to 4:3 size.
Letter Box 4:3	This ratio is used when aspect ratio of TV is 4:3. This setting is to show the 16:9 film full of screen in its original ratio.
16:9	This ratio is used when aspect ratio of TV is 16:9 to show film with the ratio of 16:9. As of 4:3 ratio, this ratio shows the film full of screen.



Brightness
Brightness of the displayed screen is adjusted. While video is in play, press SETUP in remote controller. Brightness can be adjusted while Video is in play.



Contrast
Contrast of the displayed screen is adjusted. While video is in play, press SETUP button in remote controller. Contrast can be adjusted while video is in play.



TV System
Video output resolution is changed. PAL and NTSC modes are not compatible with each other. Therefore, it must be adjusted to the TV in use. There is a function that automatically adjusts output to TV system. Therefore, it is not necessary to change PAL/ NTSC modes.
PAL Mode: 576P/720P 50Hz/1080i 50Hz
NTSC Mode: 480P/720P 60Hz/1080i 60Hz

TIP
Screen is not displays if selecting NTSC output mode in PAL system TV. In this case, repetitively press TVOUT button in remote controller to display screen or repetitively change output resolution.

4) REC Setting

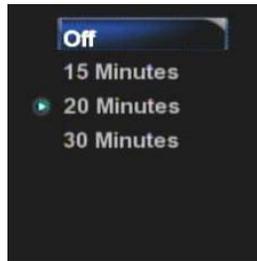


Recording Quality

Quality of recording is designated.

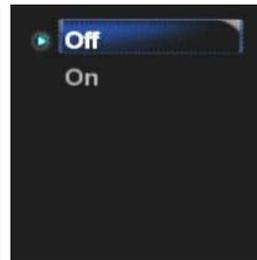
For information on recording quality, refer to the table below. (Video CODEC: MPEG 2 , Audio CODEC : MPEG2, 2CH)

Recording Mode		Average Bitrates (Video)	Resolution (PAL)	Resolution (NTSC)	Audio Format
HQ	High Quality	1,096 KB/s	720x576	720x480	48KHz stereo, 256Kbps
SP	Standard Play	549 KB/s	720x576	720x480	48KHz stereo, 256Kbps
LP	Long Play	355 KB/s	720x576	720x480	48KHz stereo, 256Kbps
EP	Extended Play	257 KB/s	352x576	352x480	48KHz stereo, 256Kbps
SLP	Super Long Play	178 KB/s	352x576	352x480	48KHz stereo, 192Kbps



← Auto Chapter

Time of automatic chapter use is designated.



← Permanent Time Shift

Status of permanent time shift is set in using time shift function.
Default: Off



← REC Device

Recording storage position is changed.



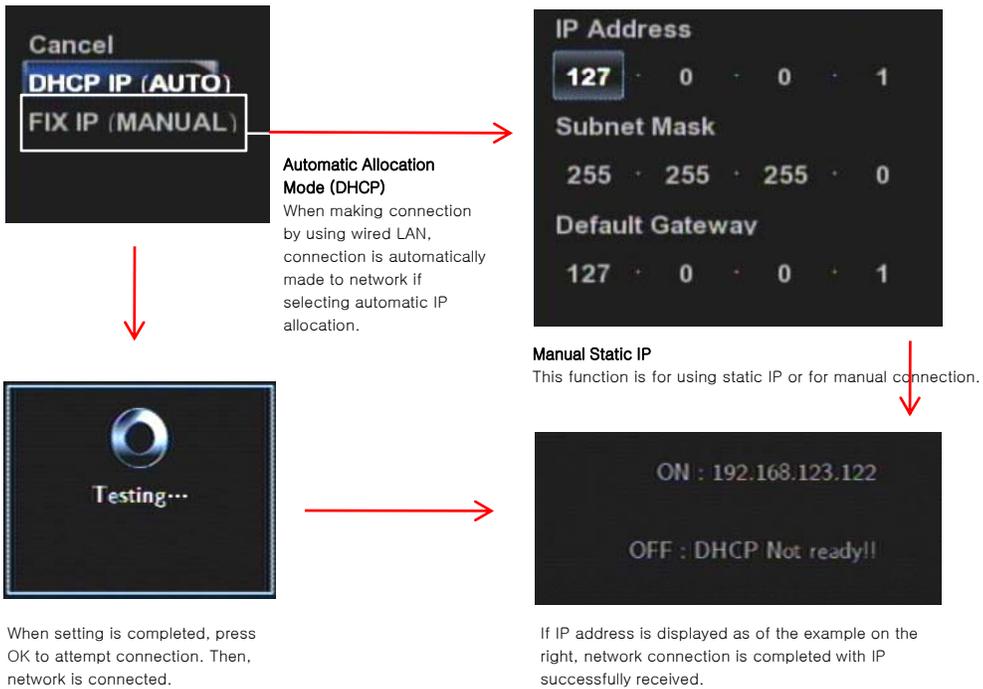
← Time Shift Device

Temporary storage is changed when executing real-time temporary stop.

※ In case of USB device, only the file system of FAT32 is applicable.

5) Network Setting

5-1. Wired Network Setting



5-2. Wireless Network Setting



<Wireless Network Not Connected>



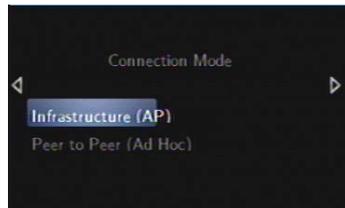
<Wireless Network Connected>

The following are descriptions on the method of wireless network connection by searching signals. To use wireless network, you need wired/ wireless sharer.



Select Modify and move to the next step.

※ Only WEP encrypted connection is explained.



Select signal search mode. Move to the next step.



When SSID for connection is displayed, select it and move to the next step.



Check the selected SSID. Press OK and move to the next step.

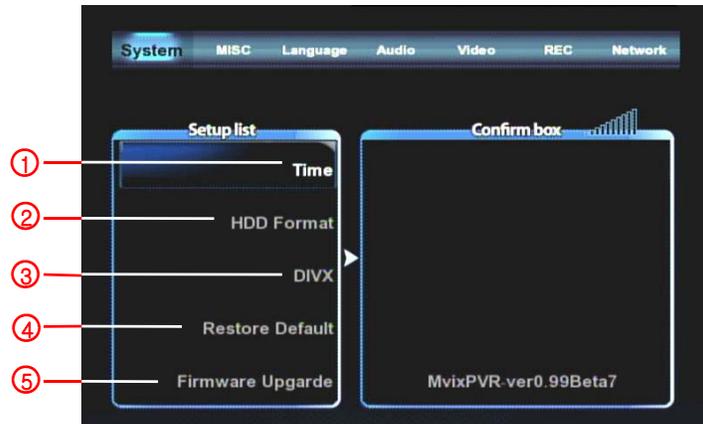


Select wireless security encryption. WEP Auto (Open/Shared key) / WPA is supported.



When encryption input screen is displayed, enter the accurate password and press OK to attempt connection.

6) System Setting



① Time

Set time of MvixPVR that serves as the basis of using TIMER function. Using up/ down/ left/ right keys in remote controller, set year/ month/ day/ hour/ minute/ second. Press OK to save the set values.



② HDD Format

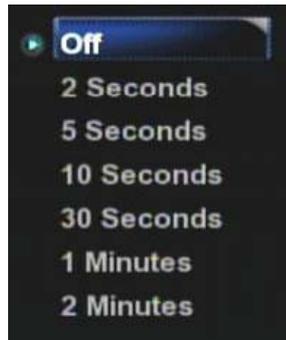
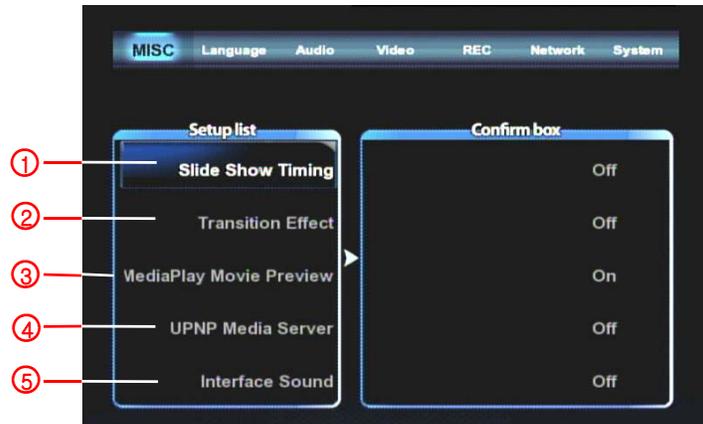
Manual format is enabled when installing hard disk for the first time or replacing it.
 ※ Formatting erases all data in hard disk. Caution is required as the erased data cannot be restored.



③ DIVX

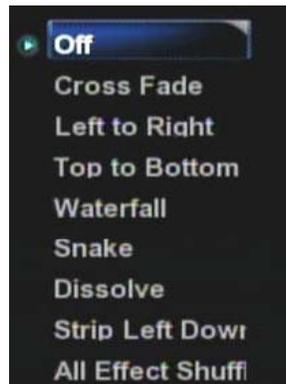
URL address related to registration code of Dvix registered in this product is displayed.

7) Other Settings



① Slide Show Time

This is to set the time of which display is produced and maintained when viewing photos. Time can be designated as off/ 2sec/ 5sec/ 10sec/ 30sec/ 1min/ 2min.



② Transition Effect

When viewing photos, transition effect to move to the next photo is set. Total of 7 effects are available. All other randomly applied effects are also supported.



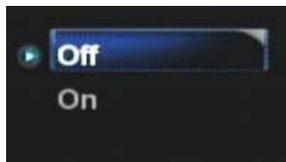
③ MediaPlay Movie Preview

In Media Play function, you can disable or enable preview function. This is not applied in Playback menu. On/Off setting can be made by using Preview key in remote controller.



④ UPNP Media Server

UPnP server implementation is possible. You can play or download HDD files by connecting with IP address of MvixPVR from local PC.



⑤ Interface Sound

Sound effect for MvixPVR menus is set.

1) Mvix FTS Installation

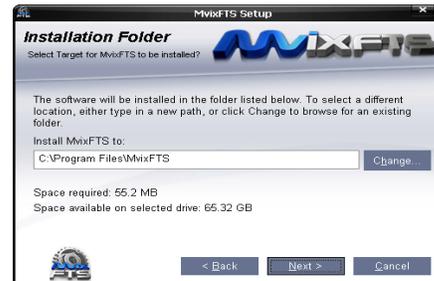


What is Mvix FTS?

This application converts and transmits movies made with a CODEC that is not supported in MvixPVR into MPEG CODEC on a real-time basis. MvixFTS enables to transcode the output of movies in H.264/ WMV / MOV / RMVB / RM Format stream it to MvixPVR on a real time basis. MvixFTS can be used only when it is installed on a PC that is connected on the same local network.

When the above screen appears, click Next.

Find Mvix FTS program in the CD enclosed in this product package and start installation. Mvix FTS program can be downloaded in data room at <http://www.mvixusa.com>



Screen to designate program installation route is displayed. Click Install.



Shortcut Icon



TaskBar Icon

Installation is completed. Program will be executed.

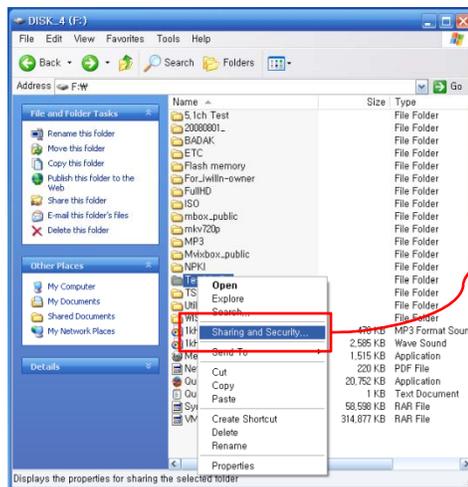
Program is executed by icon on background screen or in 'Start -> Program -> Mvix FTS program group.'

Chapter 5. MvixFTS Use and Share



When running program, the above screen is displayed. Click Net Share Dialog to display the following screen. If share folders exist in PC, the folders will be displayed in list.

2) Windows XP Share Folder Setting

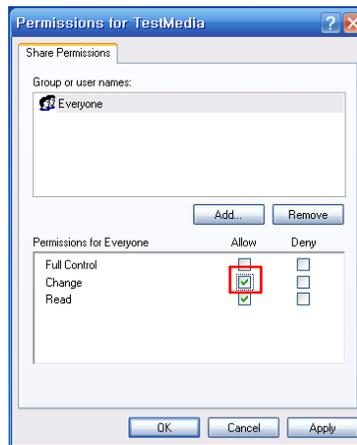


First, you must share the folder that includes a movie you intend to play by using MvixFTS server. This Description is given based on Windows XP SP3.

As shown in the picture, select a folder and right-click it to display a popup. Then, select the menu.

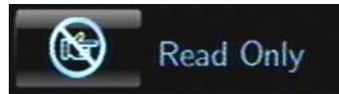
Sharing and Security...

3) Change/ Give Power for Windows XP Share Folder (Copy Function)



Share setting screen of folder registration info. is displayed as of the following.
Check 'share this folder in network' and press OK.

<Ref. #1>



Check share attributes of share folder if 'Read Only' is displayed as of the above when copying a file to the share folder of NET PC using COPY function. Check 'network user can change my file'. Then, you can copy files to the share folder of PC in network when using MvixPVR COPY function.

※ COPY function can be used not only for video files, but also for all other files.

Run Mvix FTS program again and press OK in Net Share Dialog menu. You will see that a folder designated of network share setting is automatically added.

Video files of H.264/ WMV/ PMVB/ RM/ MOV mode contained in a share folder registered in MvixFTS can be played by streaming in MvixPVR.

MvixFTS program must be kept on in PC. Play will be stopped if PC is turned off or program is closed.



※ MvixFTS program does not operate when playing CODEC supported by PVR in network. Therefore, it is not necessary to execute the program. Run MvixFTS program when playing the movies of H.264/WMV/RMVB/MOV/RM, etc.

Chapter 6. iPod Control



iPod Expanded Connection

System Requirements

iPod® compatibility

This product may not be compatible to all iPod models according to iPod firmware version and model.

※ iPod is not included in product package. iPod is the trademark of Apple Inc. registered in the US and other countries.

※ The following contents have been written based on iPod classic.



-Place iPod facing the same direction as the front of PVR product. Connect iPod by using dock connector.
-This can be used as iPod® charger.

-Press iPod key on PVR power on/ off button on remote controller to change mode to iPod control. Here, LCD window displays 'iPod'. This means that iPod mode conversion has succeeded.

-Each time iPod button is pressed, reception of remote controller alternates between PVR and iPod.

-Press Play key in remote controller to play MP3 against the background of movie or photo slide.

-Photo files are displayed by TVOUT in iPod only when they are played in slide show by pressing Play.

-Button in blue are used when remote controller is converted to iPod mode.



※ TVOUT function must be activated when playing movie and running photo slide function in iPod so that they can be displayed through digital recorder screen of MvixPVR. Standard menu screens, such as of file list, etc. displayed in iPod LCD window, are not displayed in MvixPVR. Therefore, the screens are not displayed through TVOUT.

※ To play mp3 only after connecting iPod to MvixPVR, sound signal is automatically transmitted through MvixPVR. However, according to the media play devices connected, sound signal may be blocked and not produced if there is no image signal.

Warranty Information

Warranty period of this product is calculated from the date of purchasing this product. Therefore, please make sure to have the date of purchased entered so that to receive service properly. Or, keep the receipt of purchase and submit it together with service application. In case it is impossible to locate the date of purchase, warranty period is calculated from the day 2 months after the manufacturing date of this product.

Product Name		HD Multimedia Player	Product Model	Mvix (MvixPVR)
Manufacturing No.			Date of Purchase	
Place of Purchase				
Customer Details	Name		Tel.	
	E-mail			
	Address			

🔗 Basis of Consumer Damage Compensation

Consumer damage compensation for this product complies with regulations of consumer damage compensation announced by the Ministry of Finance and Economy.

🔗 Details of Warranty

This product has been produced through strict quality control and inspection process. In case defects occur, you can receive free after-sale service for 1 year after purchasing of this product. (However, service charge will incur if applicable even during warranty period.) Present warranty card or receipt when requesting repair of this product.

🔗 Exceptions

Power adaptor, various cables and bags, batteries, user manual, installation CD and other accessories as well as hard disk not sold by MvixUSA are excluded from the scope of warranty. Back up data in hard disk to prepare for loss. **Note that MvixUSA shall not be held liable for data loss caused by problems in use. Make sure to back up hard disk contents at all times.**

🔗 Paid Service

Service charge will apply in the following cases even during warranty period of this product.

- Breakdown due to user's negligence in handling product
- Breakdown due to repair by persons other than the designated after-sale service staffs
- Natural calamities (fire, damage from sea wind, flood, lightning and others prescribed as natural calamities)
- Corrosion due to flooding or pollution by foreign substances
- Damage to product or functional defect due to dropping of product or impact
- Deformation of damage to outside of product due to organic solvents, such as thinner or benzene, etc.
- Breakdown due to random modification of the inside of product by user
- Breakdown due to using of peripherals, etc. not provided by MvixUSA
- Other cases acknowledged of the user's negligence

🔗 Directions for After Sale Service Application

In principle, you must personally visit the head office or service branch. Under inevitable circumstances, you may use delivery service provided that the cost of delivery service is paid by you.



Address **4229 Lafayette Center Dr., Suite 1700, Chantilly VA 20151 (USA)**
 Tel. 866.310.4923
 Fax 866.614.3880
 Website <http://www.mvixusa.com>