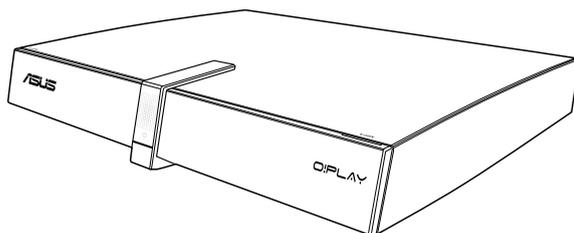




**ASUS**<sup>®</sup>

# Smart TV Set Top Box O!PLAY TV PRO



## *User Manual*



E7261

Third Edition  
February 2012

**Copyright © 2012 ASUSTeK COMPUTER INC. All Rights Reserved.**

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK COMPUTER INC. ("ASUS").

Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

# Contents

<b>Safety information</b> .....	<b>vi</b>
Warning labels .....	vi
Important Safety Instructions .....	vii
<b>CE Mark Warning</b> .....	<b>viii</b>
CE marking for devices without wireless LAN/Bluetooth .....	viii
CE marking for devices with wireless LAN/ Bluetooth .....	viii
<b>Wireless Operation Channel for Different Domains</b> .....	<b>viii</b>
<b>Certification and Compliance</b> .....	<b>viii</b>
<b>License notice and trademark acknowledgement for Dolby Digital</b> .....	<b>ix</b>
<b>License notice and trademark acknowledgement for</b>	
<b>DTS 2.0+ Digital Out™</b> .....	<b>ix</b>
<b>About this user guide</b> .....	<b>ix</b>
How this user guide is organized .....	ix
Conventions used in this guide .....	x
Where to find more information .....	x
<b>Chapter 1: Getting started</b>	
<b>Welcome</b> .....	<b>1-1</b>
<b>Specifications summary</b> .....	<b>1-1</b>
<b>Package contents</b> .....	<b>1-3</b>
<b>Getting to know your O!PLAY TV PRO</b> .....	<b>1-4</b>
<b>System requirements</b> .....	<b>1-4</b>
Front panel .....	1-4
Rear panel .....	1-5
Remote control .....	1-6
<b>Getting your O!PLAY TV PRO ready</b> .....	<b>1-10</b>
Installing the hard disk drive .....	1-10
Connecting the power adapter .....	1-12
Connecting devices to your O!PLAY TV PRO .....	1-12
Setting up your O!PLAY TV PRO for digital streaming .....	1-14
Starting for the first time .....	1-14
<b>Chapter 2: Connecting to a network</b>	
<b>Connecting to a network</b> .....	<b>2-1</b>
Wired connection .....	2-1
Wireless connection .....	2-3



Connecting to a wireless local area network (WLAN) .....	2-4
Configuring the network clients .....	2-4
<b>Sharing files over the network .....</b>	<b>2-7</b>
Sharing files under Windows® XP OS .....	2-7
Sharing files under Windows® Vista OS .....	2-8
Sharing files under Windows® 7 OS .....	2-10
Sharing files under Mac OS X 10.5.xx .....	2-12
Sharing files under Linux OS .....	2-13
<b>Chapter 3:      Using your O!PLAY TV PRO</b>	
<b>The Home screen.....</b>	<b>3-1</b>
<b>Configuring the O!PLAY TV PRO settings.....</b>	<b>3-2</b>
Configuring the system settings .....	3-2
Configuring the audio settings.....	3-3
Configuring the video settings.....	3-4
Configuring the digital TV and recording settings .....	3-4
<b>Playing a movie.....</b>	<b>3-6</b>
Movie control buttons on the remote control .....	3-6
Playing a movie.....	3-7
<b>Playing music.....</b>	<b>3-8</b>
Movie control buttons on the remote control .....	3-8
Playing a music file .....	3-9
Configuring the audio playback settings .....	3-9
<b>Viewing photos .....</b>	<b>3-10</b>
Photo control buttons on the remote control .....	3-10
Viewing photos.....	3-11
Viewing photos in slideshow mode .....	3-11
Setting the background music for the slideshow .....	3-11
Configuring the photo playback settings .....	3-12
<b>Streaming online media .....</b>	<b>3-13</b>
Online streaming from Youtube Leanback .....	3-13
Online streaming from Facebook.....	3-14
Online streaming from Acetrax.....	3-14
Online streaming from Dailymotion .....	3-15
<b>Streaming digital TV programs .....</b>	<b>3-15</b>





Viewing the TV program guide.....	3-15
Instant recording of a digital TV program.....	3-16
Configuring the TV program settings.....	3-16
Viewing a recorded TV program.....	3-17
Sharing a recorded TV program to Facebook and Youtube.....	3-17
<b>Using Timeshift.....</b>	<b>3-18</b>
Recording a digital TV program via Timeshift.....	3-18
Playing the Timeshift-recorded digital TV program.....	3-18
<b>Managing your files.....</b>	<b>3-19</b>
Renaming files/folders.....	3-19
<b>Using O!Direct.....</b>	<b>3-20</b>
Installing O!Direct.....	3-20
Streaming media files via O!Direct.....	3-20
<b>Using O!MediaShare.....</b>	<b>3-21</b>
<b>Using AutoPlay.....</b>	<b>3-22</b>
<b>Using NAS.....</b>	<b>3-22</b>

## **Chapter 4: Troubleshooting**

<b>Troubleshooting.....</b>	<b>4-1</b>
Display.....	4-1
Audio.....	4-3
USB storage device.....	4-4
Remote Control.....	4-4
Firmware Updates.....	4-4
Wired, Wi-Fi, and Internet connections.....	4-5
Operation/function failure.....	4-7

## **Appendices**

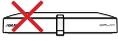
<b>Notices.....</b>	<b>A-1</b>
<b>GNU General Public License.....</b>	<b>A-2</b>
<b>ASUS contact information.....</b>	<b>A-8</b>



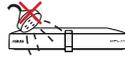
## Safety information



Use only a dry cloth to clean the device.



**DO NOT** place on uneven or unstable work surfaces. Seek servicing if the casing has been damaged. Refer all servicing to qualified service personnel.



**DO NOT** expose to or use near liquids, rain, or moisture.



**SAFE TEMP:** This device should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).



**DO NOT** install near any heat-producing devices or sources such as radiators, heat registers, stoves, or amplifiers.



Ensure that you plugged the device into the correct power input rating (12Vdc, 2A).



**DO NOT** throw the device in municipal waste. This device is designed to enable proper reuse and recycling. Check local regulations for disposal of electronic products.

## Warning labels

	<p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	
<p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>	<p>To reduce the risk of electric shock, do not remove the back cover. No user serviceable parts inside. Refer servicing to qualified service personnel.</p>	<p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>



- Danger of explosion if battery is incorrectly replaced. Replace only with the same or recommended battery type.
- Dispose of used batteries according to local regulations.



## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.





## CE Mark Warning



### CE marking for devices without wireless LAN/Bluetooth

The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC “Electromagnetic compatibility” and 2006/95/EC “Low voltage directive”.



### CE marking for devices with wireless LAN/ Bluetooth

This equipment complies with the requirements of Directive 1999/5/EC of the European Parliament and Commission from 9 March, 1999 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

## Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through Ch11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

This equipment may be operated in all member states of the EU. Some areas of France have a restricted frequency band. This equipment may be used indoor only.

## Certification and Compliance



CCAI10LP0130T8





**DOLBY** License notice and trademark  
**TRUE HD** acknowledgement for Dolby Digital  
**DIGITAL PLUS**

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

## License notice and trademark acknowledgement for DTS 2.0+ Digital Out™



Manufactured under license under US Patent #s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other US and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS 2.0+ Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software.  
© DTS, Inc. All Rights Reserved.

## About this user guide

### How this user guide is organized

- **Chapter 1: Getting started**  
Provides the basic information about your ASUS O!PLAY TV PRO.
- **Chapter 2: Connecting to a network**  
Provides the information on connecting your ASUS O!PLAY TV PRO to a network.
- **Chapter 3: Using your O!PLAY TV PRO**  
Provides information on using your ASUS O!PLAY TV PRO.
- **Chapter 4: Troubleshooting**  
Provides solutions to frequently-asked questions about your ASUS O!PLAY TV PRO.



## Conventions used in this guide

To ensure that you perform certain tasks properly, take note of the following symbols used throughout this user guide.



**DANGER/WARNING:** Information to prevent injury to yourself when trying to complete a task.



**CAUTION:** Information to prevent damage to the components when trying to complete a task.



**IMPORTANT:** Instructions that you **MUST** follow to complete a task.



**NOTE:** Tips and additional information to help you complete a task.

## Where to find more information

Refer to the following sources for additional information and for product and software updates.

### 1. **ASUS Support site**

Download the latest firmwares, drivers, and utilities from the ASUS Support site at <http://support.asus.com/>.

### 2. **ASUS Forum**

Get the latest news and information about this product from the ASUS Forum site at <http://vip.asus.com/forum/>.

### 3. **Optional documentation**

Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.



# Chapter 1

## Getting started

### Welcome

Thank you for buying the ASUS O!PLAY TV PRO!

ASUS O!PLAY TV PRO allows you to enjoy digital audio/video (DVBT) streaming on your TV; view and record TV program guides; share your recorded TV programs and media files on media sites such as Facebook and Youtube; access popular Internet sites; and enjoy digital media files from external USB storage devices/hard disk drives, or memory cards to your TV or entertainment system.

### Specifications summary

<b>Wireless Standard</b>	WiFi 802.11b/g/n
<b>Supported video formats</b>	MPEG1/2/4, H.264, VC-1, RM/RMVB, XVID
<b>Supported video file extension</b>	.mp4, .mov, .avi, .asf, .wmv, .flv, .mkv, .ts, m2ts, .dat, .mpg, .vob, .mts, .iso, .trp, M1V, M2V, M4V
<b>Supported audio formats</b>	MP3, WAV, AAC, OGG, FLAC, AIFF, DTS Digital Surround, Dolby Digital, Dolby Digital Plus, PCM/LPCM, Dolby TrueHD, ID3 Tag, MP2, APE, MS-ADPCM/LC-AAC/HE-ACC/COOK/RA-Lossless
<b>Supported 3D video formats</b>	H.264 MVC (.ts, .m2ts, BD iso)
<b>Supported image formats</b>	JPEG, BMP, PNG, GIF, TIFF
<b>Supported subtitle formats</b>	.srt, .sub, .smi, idx+sub, .ssa, .ass
<b>File systems</b>	FAT16/32, NTFS, HFS/HFS+, ext3
<b>Television system</b>	Digital TV: DVB-T
<b>HDD tray</b>	3.5" (1/2/3 TB)
<b>Recording quality</b>	HDD (3TB, TS Recording)

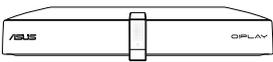
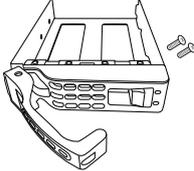
*(continued on the next page)*

<b>I/O ports</b>	1 x Power button
	1 x Power (DC-In) port
	1 x USB 3.0 port
	2 x USB 2.0 ports
	1 x USB 3.0 port (PC link)
	1 x Gigabit LAN port (1000Mbps)
	1 x HDMI port (HDMI 1.4)
	1 x Component (Y.Pb.Pr) port
	1 x Analog video output
	1 x Analog audio output
	1 x Digital audio output (OPTICAL) port
	1 x Digital audio output (COAXIAL) port
	1 x SD/MMC/MS/xD combo card slot (4 in 1)
	RF IN: Antenna input (Loop through cable port)
	RF OUT: Antenna output
<b>Dimensions</b>	W x D x H: 30 cm x 24.3 cm x 4 cm
	Weight: 1100 g (including HDD tray)
<b>Power consumption</b>	12V, 3A
<b>Operating temperature</b>	5°C (41°F) ~ 35°C (95°F)



Specifications are subject to change without notice.

## Package contents

		
ASUS O!PLAY TV PRO Smart TV Set Top Box	Power cord	AC adapter
		
Remote control with two AAA batteries	HDD tray and screws	USB 3.0 cable
		
Antenna cable (DTV) (Optional)*	Composite AV (audio- video) cable	Loop through cable (DTV)
		
HDMI cable (Optional)*	Support CD (User Manual)	Quick Start Guide



\* Some items may be included in the package depending on the country or region.

# Getting to know your O!PLAY TV PRO

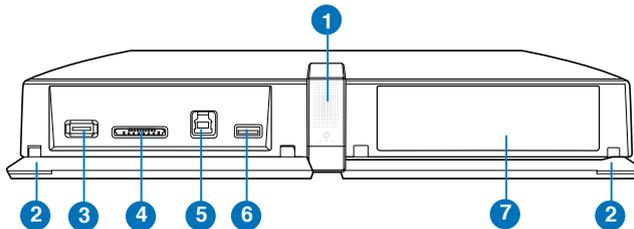
## System requirements

- High-definition TV (HDTV), standard TV, or HDMI monitor
- Storage device (USB flash drive / USB HDD)
- Memory card (SD/MMC/MS/xD)
- RJ-45 cable to connect to a home or an office network (Optional)
- Wi-Fi connection (Optional)



- Use an HDMI cable to connect your O!PLAY TV PRO to an HDTV or HDMI monitor.
- Use the bundled composite AV cable to connect your O!PLAY TV PRO to a standard TV.

## Front panel



### LED indicator and Power button

Press the Power button to turn your O!PLAY TV PRO on/off. This also displays the status of your O!PLAY TV PRO.

1	LED	Status	Description
1	Power	OFF	The device is turned off.
		Orange	The device is in standby mode.
		Blue	The device is turned on.

- 2 Front panel cover**  
Push to open the front panel cover.

- 3 USB 2.0 port**  
Connect a USB 2.0 device into this port.

- 
- 4 SD/MMC/MS/xD combo card slot**  
Insert the SD/MMC/MS/xD card into this slot.

- 
- 5 USB 3.0 PC link**  
Using the bundled USB 3.0 cable, connect your O!PLAY TV PRO to your computer. When you have installed a hard disk drive (HDD), your O!PLAY TV PRO functions as a portable HDD.

- 
- 6 USB 3.0 port**  
Connect a USB 3.0/USB 2.0 device into this port.

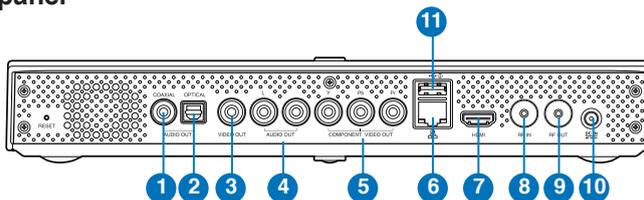
- 
- 7 HDD tray**  
Press the button to unlock the HDD tray and install a 3.5" hard disk drive.



For more details, refer to the section **Installing a hard disk drive**.

---

## Rear panel



- 
- 1 Digital audio output (COAXIAL)**  
Insert a coaxial cable into this port to connect an external Hi-Fi audio system.
- 
- 2 Digital audio output (OPTICAL)**  
Insert an optical cable into this port to connect an external Hi-Fi audio system.
- 
- 3 Analog video output**  
Insert a composite cable to connect to a television or other video equipment.
- 
- 4 Analog audio output**  
Insert the audio cable jacks to connect to a television or other audio equipment.
- 
- 5 Component output**  
Insert a YPbPr video cable to connect to a TV or monitor.
- 
- 6 LAN port**  
Connect to a Local Area Network (LAN) through a network hub.
- 
- 7 HDMI port**  
Insert an HDMI cable into this port to connect to a high-definition multimedia interface (HDMI) device.
- 
- 8 RF-in port (DVBT Antenna input)**  
Insert the bundled antenna cable into this port.



If you use the loop through cable, you do not need to use the antenna cable at the same time.

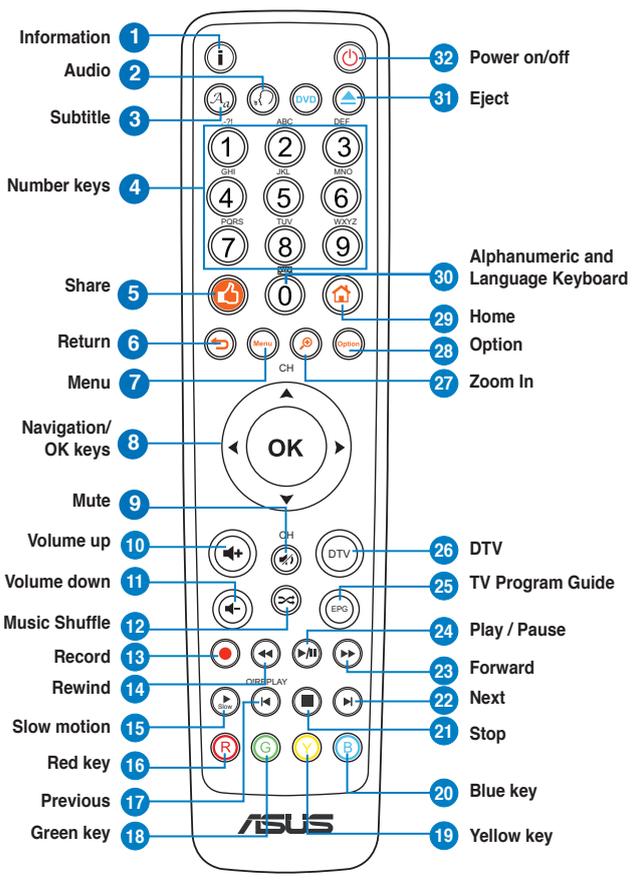
---

- 9 RF-out port (DVBT Antenna output)**  
Connect one end the bundled loop-through cable into this port and the other end to the RF-in port of your TV.
- 10 Power (DC-In) input**  
Insert the power adapter into this port.
- 11 USB 2.0 port**  
Connect a USB 2.0 device into this port.

## Remote control



Use the remote control to power on/off the O!PLAY TV PRO, browse through menus, and select the media file to play, view, or listen to.





1



### Information

Press to display the information about the movie, video, music, or digital TV channel and the Timeshift recording time bar.

2



### Audio

Press to select an audio track on a HDD/USB/ODD file.

3



### Subtitle

Press to configure the subtitle settings such as location, size, time, language and color.

4

### Number keys

Press the numbers to access your preferred TV channel.

5



### Share

Press to share photos, music files, videos, and recorded media contents to Facebook and Youtube.

6



### Return

Returns to the previous screen.

7



### Menu

Press to display the menu.

### Navigation/OK keys



Press the up/down keys to move through the menu bar in a submenu.



Press the up/down keys to decrease/increase a numerical value.

8



Press the left/right keys to move through the main menus in the Home screen.

Press the left/right keys to move through the items in a submenu.



Press **OK** to confirm the selection.

9



### Mute

Press to disable audio output.

10



### Volume up

Increases the volume.





---

11		<b>Volume down</b> Decreases the volume.
12		<b>Music Shuffle</b> Press to group all your music files in your storage device and then play the music files randomly.
13		<b>Record</b> Press to record a TV program.
14		<b>Rewind</b> Press to rewind the playback.
15		<b>Slow motion</b> Press to playback the currently playing movie in slow motion. Press to resume normal playback.
16		<b>Red key</b> This a function key.
17		<b>Previous</b> Returns to the previous media file.
18		<b>Green key</b> This a function key.
19		<b>Yellow key</b> This a function key.
20		<b>Blue key</b> This a function key.
21		<b>Stop</b> Press to stop the playback.
22		<b>Next</b> Goes to the next media file.
23		<b>Forward</b> Press to forward the playback.
24		<b>Play / Pause</b> Toggles between playback and pause.

---





---

**25**  **TV Program Guide**  
Press to view the electronic TV program guide.

---

**26**  **DTV**  
Press to launch the DTV function.

---

**27**  **Zoom in**  
Zooms in on the screen.

---

**28**  **Option**  
Press to view and select from a function's submenu.

---

**29**  **Home**  
Press to return to the Home menu.

---

**30**  **Alphanumeric and Language Keyboard**  
Press to change the language of the virtual keyboard.

---

**31**  **Eject**  
Press to eject the disc from the external optical disk drive.

---

**32**  **Power on/off**  
Turn the O!PLAY TV PRO on or off

---





## Getting your O!PLAY TV PRO ready



If you need warranty servicing for your O!PLAY TV PRO, ensure that you send it back in its original packaging, which will provide better protection for your product during delivery. Warranty may be voided if the product is damaged due to improper packaging. ASUS will not compensate or replace any item damaged due to improper packaging.

## Installing the hard disk drive

You may install a 3.5" hard disk drive to your O!PLAY TV PRO.



- The hard disk drive is purchased separately.
- If you install a new hard disk drive on your O!PLAY TV PRO, a warning screen will appear, reminding you to format the hard disk drive. Follow the onscreen instructions to complete the format process. Any abnormal shutdown leads to longer startup time and longer disk check on the next boot up. The checking process may take several minutes depending on the hard disk drive capacity.
- If you want to delete all data on your used hard disk drive, go to **Setup > System**, and then click **HDD Format**.
- If you want to rescan your hard disk drive, do any of the following steps:
  - Go to **Setup > System > Scan Storage**, and click **ON**.
  - Go to **Setup > System > Scan Storage > Rescan Storage**.
- ASUS will not be held liable for any damage/malfunction caused by improper installation of the hard disk drive.
- ASUS will not be held liable for data loss or recovery.



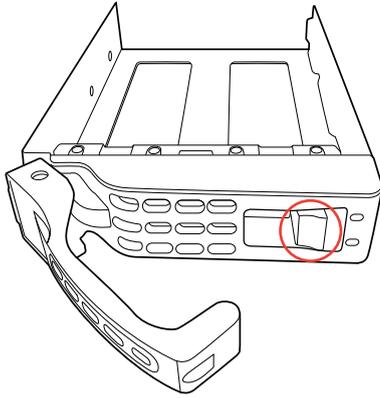
- Do not force the hard disk drive into the unit under any circumstances. If installation does not go easily, it could break the SATA port in.
- Back up the important files or folders periodically to avoid any potential data loss due to disk crash.
- Be cautious of the hot temperature while using the hard disk drive for a long time.



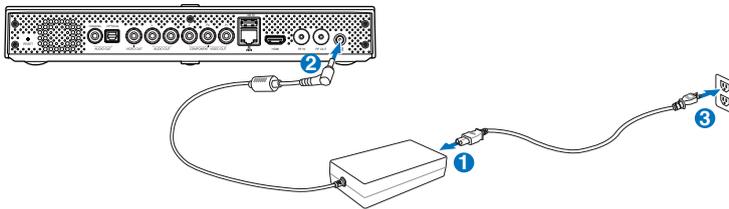


### To install the hard disk drive:

1. Press the HDD tray's bracket lock to unlock the HDD tray.
2. Install the hard disk drive into the HDD tray and secure it with two screws on both sides.
3. Install the HDD tray with the hard disk drive into the HDD bay located on the front panel of your O!PLAY TV PRO.
4. Push back the HDD tray's bracket lock to secure the hard disk drive in place.



## Connecting the power adapter



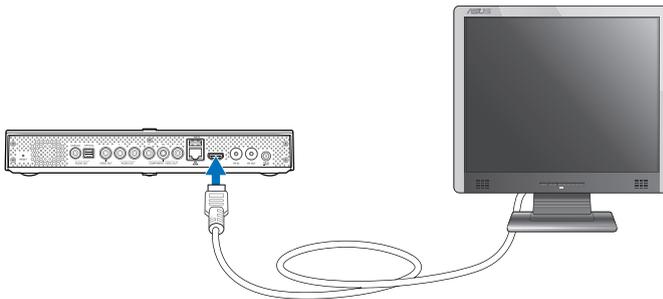
### To connect the power adapter:

1. Connect the AC adapter to the DC-in port at the back of your O!PLAY TV PRO.
2. Connect the AC adapter to a power source.

## Connecting devices to your O!PLAY TV PRO

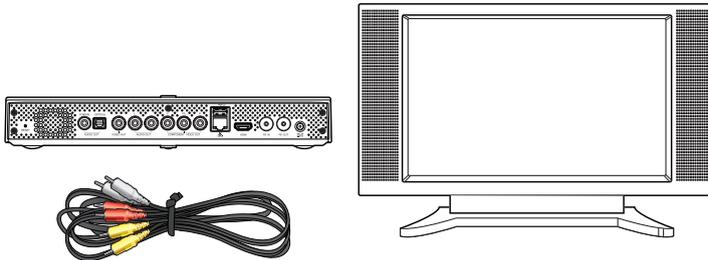
### To connect devices to your O!PLAY TV PRO:

1. Do any of the following to connect a display to your O!PLAY TV PRO:
  - Use an HDMI cable to connect your O!PLAY TV PRO to an HDTV or an HDMI monitor.



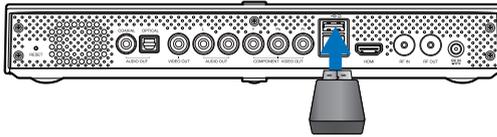
Depending on region, an HDMI cable may be included in your O!PLAY TV PRO's package.

- Use a composite AV cable to connect your O!PLAY TV PRO to a standard TV.



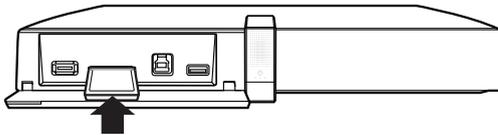
2. Do any of the following to connect a storage device or memory card to your O!PLAY TV PRO:

- Insert a USB storage device such as a portable hard disk drive or a USB flash disk to the USB port at the front or rear panel of your O!PLAY TV PRO.



You can also install a hard disk drive in the HDD bay. For more details, refer to the section **Installing a hard disk drive**.

- Insert a memory card such as SD/MMC/MS/xD cards into the card slot in the front panel of your O!PLAY TV PRO.



3. Use an audio cable to connect your audio system to your O!PLAY TV PRO.



## Setting up your O!PLAY TV PRO for digital streaming

Your O!PLAY TV PRO allows you to enjoy high-definition digital audio/video (DVB-T) streaming on your TV in .mpeg format.



---

Before using your O!PLAY TV PRO's digital streaming function, check with your country's telecommunications agency or your local TV stations if DVB-T (Digital Video Broadcasting - Terrestrial) signals are available in your country or region.

---

### To set up your O!PLAY TV PRO for digital streaming:

1. Connect an HDMI cable to your HDTV or a composite AV cable to your standard TV.
2. Connect the antenna cable to your O!PLAY TV PRO's RF in (Antenna in) port.
3. Connect one end of the loop-through cable to your O!PLAY TV PRO's RF out (Antenna out) port and the other end to your HDTV's or standard TV's RF in (Antenna in) port.



- 
- Depending on region, an antenna cable or a loop-through cable may be included in your O!PLAY TV PRO's package.
  - For details on streaming digital TV programs, refer to the section **Streaming digital TV programs** in Chapter 3.
- 

## Starting for the first time

When you start your O!PLAY TV PRO for the first time, a series of screens appear to guide you in configuring the basic settings of your O!PLAY TV PRO.

### To start for the first time:

1. Turn on your O!PLAY TV PRO and your HDTV, TV, or HDMI monitor.
  - If you are using an HDTV or standard TV, set your HDTV/TV to video mode.
  - If you are using an HDMI monitor, ensure that the monitor's display resolution is set to **HDMI**.
2. The Setup Wizard appears. Follow the onscreen instructions to complete the setup process.



- 
- Refer to the documentation that came with your HDMI monitor.
  - Use the remote control to navigate the screen.
- 



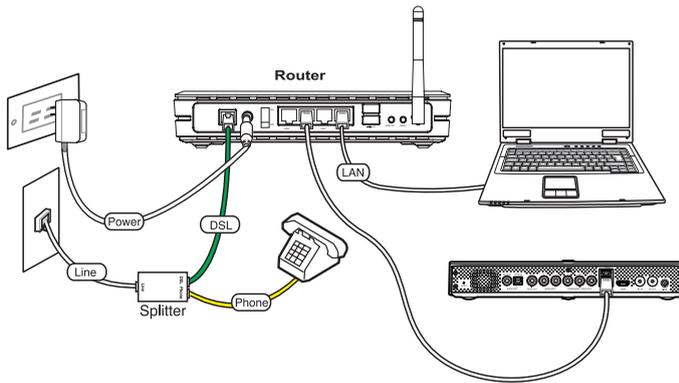
# Chapter 2

## Connecting to a network

### Connecting to a network

#### Wired connection

Use an RJ-45 cable to connect your O!PLAY TV PRO to a home or an office network.



#### To connect to your network:

1. Connect one end of the RJ-45 cable to the LAN port at the back of your O!PLAY TV PRO and the other end to the LAN port of the router.
2. Connect your computer and other necessary devices to your router.



Refer to the documentation that came with your router.

3. Connect all the necessary devices to your O!PLAY TV PRO.



For more details, refer to the section **Connecting devices to your O!PLAY TV PRO** in Chapter 1.

4. From the Home screen, press the left/right keys  /  to navigate to **Setup**, then press .



5. Select **Network > Wired LAN Setup** and press .
6. Select either **DHCP IP (AUTO)** or **FIX IP (MANUAL)** as your setup type:
- If you select **DHCP IP (AUTO)**, the DHCP server automatically assigns an IP address for your O!PLAY TV PRO.
  - If you select **FIX IP (MANUAL)**, key in the **IP address** and **Subnet Mask**.



- 
- Use the up/down keys  /  to increase/decrease a numerical value.
  - Use the left/right keys  /  to move to other items on the System menu.
- 



- 
- You may use the Fix IP address default settings:
    - **IP Address:** 192.168.0.2
    - **Subnet mask:** 255.255.255.0
  - You may also obtain the IP address and subnet mask from your Internet Service Provider (ISP).
  - If you cannot connect to your office network, contact your network administrator.
  - If you want to access shared network files, ensure that the computer's files are shared on the network. For more details, refer to the section **Sharing media files over the network** in this chapter.
- 

7. On the confirmation message, select **OK** to save the setting or **CANCEL** to discard the setting.
8. On your computer, you may manually configure the IP address settings.



---

For more details, refer to the section **Configuring the network clients** in this chapter.

---



## Wireless connection

### Accessing files wirelessly

#### To access files wirelessly:

1. Connect all the necessary devices to set up your wireless network. Set up your wireless network to Ad-Hoc mode.



- 
- Refer to the documentation that came with your wireless router for details.
  - For establishing a wireless connection, you may need to use an IEEE 802.11b/g/n compatible WLAN card/adaptor on your computer.
  - Some computers may come with a built-in wireless capability. Refer to the documentation that came with your computer.
- 

2. You may configure the IP settings on your computer.



- 
- For more details, refer to the section **Configuring the network clients** in this chapter.
  - Use the following default IP settings:
    - **IP address:** 192.168.59.xxx (xxx can be any number between 2 and 254. Ensure that the IP address is not used by another device)
    - **Subnet Mask:** 255.255.255.0 (same as the O!PLAY TV PRO)
- 

3. Ensure that the folder containing the files that you want to access to is shared.



---

For more details, refer to the section **Sharing files over the network** in this chapter.

---



## Connecting to a wireless local area network (WLAN)

To connect to a WLAN:

1. Follow steps 2- 5 in Connecting to a home network wirelessly.
2. Select Infrastructure (AP) as your connection mode and press . Your O!PLAY TV PRO searches for wireless access points.
3. From the list, select the access point that you want to connect to. Press .
4. Wait until your O!PLAY TV PRO connects to your selected access point.
5. When a wireless connection is successfully established, the IP address of the selected access point is shown on the Network menu.
6. You may now start to access files from a network computer's shared folder.

## Configuring the network clients

### Setting an IP address for wired or wireless client

1. To access the ASUS O!PLAY TV PRO, you must have the correct TCP/IP settings on your wired or wireless clients or computers. Ensure that the clients' IP addresses are within the same workgroup and subnet as the O!PLAY TV PRO.
2. Follow the instructions below that correspond to the operating system installed on your computer.



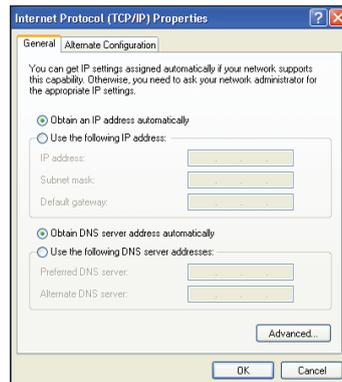
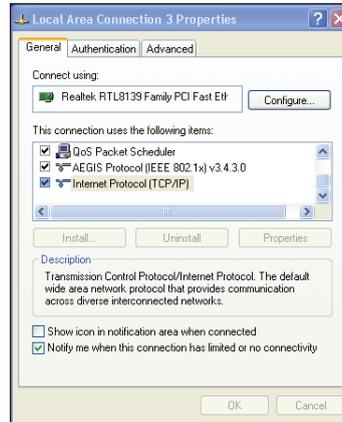
---

Use the following default IP settings:

- IP address: 192.168.0.xxx (for wired computer) or 192.168.59.xxx (for wireless computer)  
xxx can be any number between 2 and 254. Ensure that the IP address is not used by another device.
  - Subnet Mask: 255.255.255.0 (same as the O!PLAY TV PRO)
-

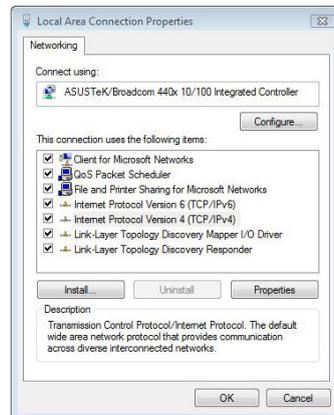
## Windows® XP OS

1. Click **Start > Control Panel > Network Connection**. Right-click **Local Area Connection** then select **Properties**.
2. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically.
4. Click **OK** when done.



## Windows® Vista OS

1. Click **Start > Control Panel > Network and Sharing Center**. Right-click **Local Area Connection** then select **Properties**.
2. Select **Internet Protocol Version 4(TCP/IPv4)**, then click **Properties**.

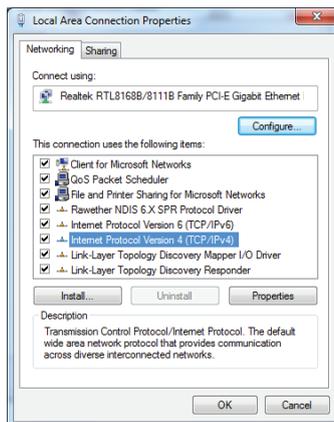


3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically.
4. Click **OK** when done.

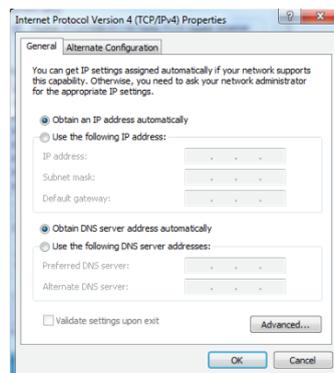


## Windows® 7 OS

1. Click **Start > Control Panel > Network and Internet > Network and Sharing Center**. In the **View your active networks** item, Click **Local Area Connection** then select **Properties**.
2. Select **Internet Protocol Version 4(TCP/IPv4)**, then click **Properties**.



3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically.
4. Click **OK** when done.

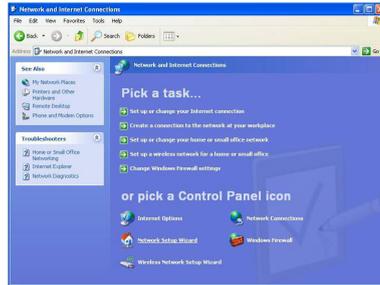


# Sharing files over the network

## Sharing files under Windows® XP OS

To configure your computer to allow folders to be shared:

1. Click **Start > Control Panel > Network and Internet Connection > Network Setup Wizard**.

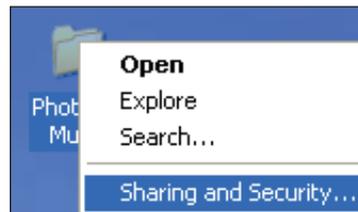


2. Select **Turn on file and printer sharing**.
3. When done, click **Finish**.



### To share files under Windows® XP OS:

1. On your computer, select the folder containing the files that you want to share.
2. Right-click the selected folder, and select **Sharing and Security**.



3. Tick **Share this folder**.  
If you want to set permissions for the network users, click **Permissions**. Click **Apply** when done.
4. A hand icon  appears on the folder indicating that the folder's contents are shared over the network.



## Sharing files under Windows® Vista OS

In Windows® Vista OS, you can share files in any of these two ways:

- Share files from a folder on your computer.
- Share files from the Public folder.

### Sharing files from a folder on your computer

To share files from a folder on your computer:

1. On your computer, select the folder containing the files that you want to share.
2. Right-click the selected folder, and select **Share**.
3. In the **File Sharing** screen, select the network user that you want to share files with from the dropdown list, then click **Add**.
4. To set permissions for the network user, select any of these permission levels from the dropdown list under **Permission Level**:
  - **Reader**: Select this option if you want the user to have a read-only access rights to the shared files. S/he cannot add, change, or delete the shared files.
  - **Contributor**: Select this option to allow the user to view and add shared files. S/he can only change or delete the files s/he had shared.
  - **Co-owner**: Select this option to allow the user to view, add, change, or delete a shared file.
5. When done, click **Share**.



## Sharing files from the Public folder

The Public folder allows you to share your files with other people using your computer or with other users in the network.

### To share files from the Public folder:

1. Click  > **Documents**.
2. From **Favorite Links** in the navigation pane, click **Public**. Put any files or folders that you want to share into any subfolders in the Public folder.



---

To restrict access to the files and folders in the Public folder, refer to the succeeding sections.

---

### To restrict a user's access to the Public folder:

You can turn on the password-protected sharing function to restrict access to the Public folder only to people with user accounts and passwords on your computer.

1. Click  > **Control Panel > Network and Internet > Network and Sharing Center** to launch the Network and Sharing Center.
2. From the **Password protected sharing** dropdown list, select **Turn on password protected sharing**.
3. When done, click **Apply**.

### To set the user's access level to the Public folder:

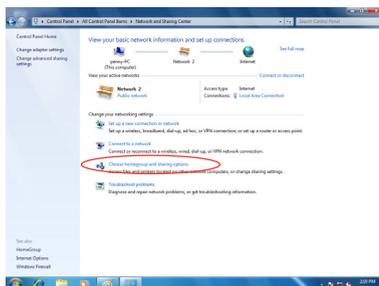
1. Click  > **Control Panel > Network and Internet > Network and Sharing Center** to launch the Network and Sharing Center.
2. From the **Public folder sharing** dropdown list, select any of these three options:
  - **Turn on sharing so anyone with network access can open files**
  - **Turn on sharing so anyone with network access can open, change, and create files**
  - **Turn off sharing (people logged on to this computer can still access this folder)**
3. When done, click **Apply**.



## Sharing files under Windows® 7 OS

To configure your computer to allow folders to be shared:

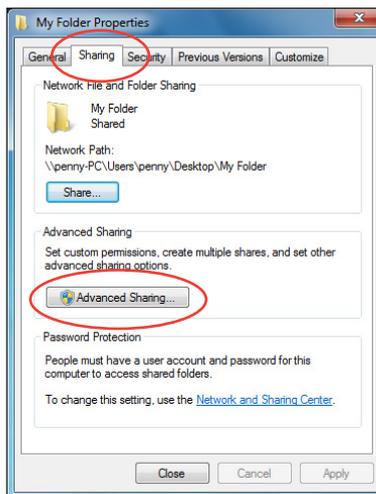
1. Click **Start > Control Panel > Network and Internet > Network and Sharing Center > Choose homegroup and sharing options > Change advanced sharing settings...**



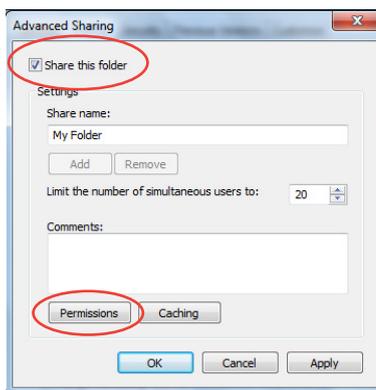
2. Ensure that the following options are correctly selected:  
**Turn on network discovery**  
**Turn on file and printer sharing**  
**Media streaming is off**  
**Allow Windows to manage homegroup connections (recommended)**

To share files under Windows® 7 OS:

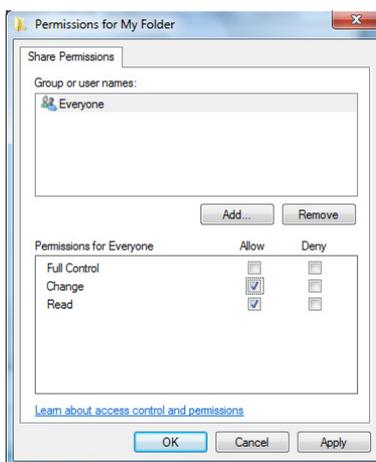
1. On your computer, select the folder containing the files that you want to share.
2. Right-click the folder, and select **Properties**.
3. Click **Sharing** tab > **Advanced Sharing...**



4. Check the **Share this folder** item, then click **Permissions**.



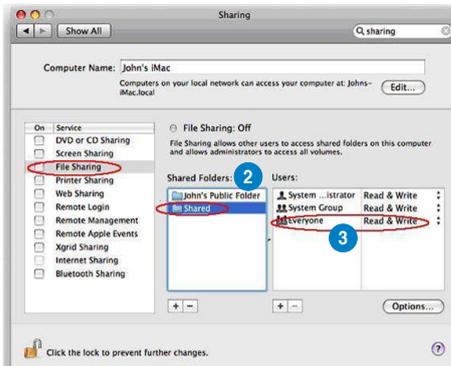
5. Select the network user that you want to share files, and set the access control options.



## Sharing files under Mac OS X 10.5.xx

To share a folder under Mac OS:

1. Choose **Apple** menu > **System Preferences**. Click **Sharing**.
2. Click the + icon to display the available folders. Navigate to the folder that you want to share.
3. Select the user account **Everyone**.
4. Repeat steps 2–3 to share other folders.
5. When done, click **Options...**



6. Tick **Share files and folders using SMB**, and click **Done**.





## Sharing files under Linux OS

### To share files under Linux OS:

1. On your computer, select the folder containing the files that you want to share.
2. Right-click the folder, and click **Sharing > Windows Sharing**.
3. From the **Windows** Sharing tab, tick the following items: **Share this item and its contents**, **Allow all users**, and **Share Enabled**.
4. Click **OK** when done. A hand icon  appears on the folder indicating that the folder's contents are shared over the network.





# Chapter 3

## Using your O!PLAY TV PRO

### The Home screen

The Home screen includes these main options: **Setup**, **DTV**, **Schedule REC**, **File Manager**, **Movies**, **Music**, **Photo**, **Online Media**, and **NAS**.



---

**File Manager** allows you to view all your media files in your storage devices.

---

# Configuring the O!PLAY TV PRO settings

## Configuring the system settings

The system setting menu allows you to configure the system settings such as **Menu Language**, **Text Encoding format**, and other settings..

### To configure the system settings:

1. From the Home screen, press the left/right keys  /  to navigate to **Setup**, then press .
2. From the **System** tab, press the up/down keys  /  to configure these system settings:



- **Menu Language:** Select your preferred menu language from the available options.
- **Text encoding:** Select your preferred encoding format from the available options.
- **Time:** Configure the system time manually, automatically (via DTV), or via time zone selection.
- **Entry Page:** Configure the main screen that you want to appear at startup. You can set this item to **Auto**, **DTV**, or **Home**.  
By default, your O!PLAY TV PRO is set to automatically display the DTV screen. If the DTV service is not working, the Home screen is displayed as the main screen at startup.
- **R/RW Auto-Play:** Select ON to automatically play the contents of an external USB hard drive connected to your O!PLAY TV PRO.
- **Screen Saver:** Allows you to turn the screensaver function on/off.
- **Power Saving:** Allows you to turn the power-saving function on/off.
- **Resume Play:** Allows you to turn the resume play function on/off.
- **Factory Default:** Allows you to reset the system to its factory default settings.



Resetting the system to its factory default settings will delete all the data and settings made.



- **Scan Storage:** Allows you to turn on the auto-scan function, which automatically scans and creates an index of an internal or external storage device.
- **Format:** Allows you to format an internal or external storage device.
- **HDD Info:** Shows the hard disk drive information.
- **System LED:** Allows you to turn the system LED on/off.

3. Press **OK** to save or press **Back** to cancel the settings made.

## Configuring the audio settings

The audio setting menu allows you to configure the audio mode or audio output settings such as **Night Mode**, **HDMI Output**, **SPDIF Output**, **Surround Sounds**, and **Lip Sync**.

**To configure the audio settings:**

1. From the Home screen, press the **left/right** keys **Left** / **Right** to navigate to **Setup**, then press **OK**.
2. Navigate to **Audio**, then press the **up/down** keys **Up** / **Down** to select from these audio mode/settings:



- **Night Mode:** Select this setting if you want to listen to music at night without disturbing others.
  - **HDMI Output:** Select this setting if the audio output will be coming from a high-definition external display connected to your O!PLAY TV PRO via an HDMI cable.
  - **SPDIF Output:** Select this setting for the S/PDIF audio receiver.
  - **Surround Sounds:** Select this setting for a surround sound audio effect.
  - **Lip Sync:** Select this setting to set the lip sync function to Auto, Manual, or Off.
3. Press the **right** key **Right** to display the option for your selected audio setting.



## Configuring the video settings

The video setting menu allows you to configure the video settings such as **Aspect Ratio**, **TV System**, **Video Zoom**, **Digital Noise Reduction**, and **1080P 24Hz**.

**To configure the video settings:**

1. From the Home screen, press the left/right keys  /  to navigate to **Setup**, then press .
2. Navigate to **Video**, then press the up/down keys  /  to configure these video settings:



- **Aspect Ratio:** Select your preferred aspect ratio, which is the ratio or dimension of the image's width to its height on an external display.
  - **TV System:** Select your preferred TV system from the available options.
  - **Video Zoom:** Allows you to turn the video's zoom function on/off.
  - **Digital Noise Reduction:** Allows you to turn the digital noise reduction function on/off.
  - **1080P 24Hz:** Allows you to turn the 1080P 24Hz function on/off.
3. Press the right key  to display the option for your selected video setting.

## Configuring the digital TV and recording settings

The TV and Recording setting menu allows you to configure the digital TV and recording settings such as **TV Region**, **Channel Scan**, **REC Device**, **REC Priority**, and **Timeshift**.

**To configure the TV and recording settings:**

1. From the Home screen, press the left/right keys  /  to navigate to **Setup** > **TV & REC**, then press .





2. Press the up/down keys  /  to configure these TV and recording settings:
  - **TV Region:** For scanning digital TV channels, select the country or region from the list.
  - **Channel Scan:** Allows you to set your your O!PLAY TV PRO to scan DTV channels automatically or manually.
  - **REC Device:** Select HDD as the default storage device for your recorded video contents.
  - **REC Priority:** Allows you to select the recording priority.
  - **Timeshift:** Allows you to pause and record the digital TV program from the background.



---

For more details, refer to the section **Streaming Digital TV programs**.

---



## Playing a movie

### Movie control buttons on the remote control

Button	Function
	Press to display the movie's file information.
	Press to return to the previous screen.
	Press to toggle between playback and pause.
	Press to rewind the playback. Press repeatedly to change the rewinding speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to forward the playback. Press repeatedly to change the forward speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to stop the playback.
	Press to configure the video playback settings.
	Press to increase the volume.
	Press to decrease the volume.
	Press to return to the previous video file.
	Press to go to the next video file.
	Press to disable audio output.

## Playing a movie

### To play a movie:

1. From the Home screen, press the left/right keys  /  to navigate to **Movies**, then press .



2. Using the up/down keys  / , select the source of your movie file, then press .



3. Use the up/down keys  /  to locate the movie that you want to play. Press  or  to play the movie. You may press the Option key  to choose the movie effect.

## Playing music

### Movie control buttons on the remote control

Button	Function
	Press to display the music's file information.
	Press to return to the previous screen.
	Press to toggle between playback and pause.
	Press to rewind the playback. Press repeatedly to change the rewinding speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to forward the playback. Press repeatedly to change the forward speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to stop the playback.
	Press to configure the music playback settings.
	Press to increase the volume.
	Press to decrease the volume.
	Press to return to the previous music file.
	Press to go to the next music file.
	Press to disable audio output.

## Playing a music file

### To play a music file:

1. From the Home screen, press the left/right keys (←) / (→) to navigate to **Music**, then press (OK).



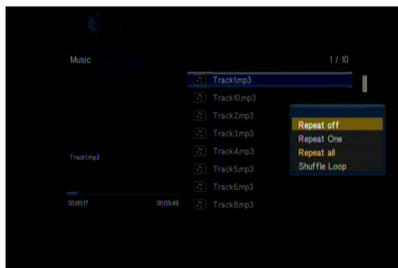
2. Using the up/down keys (↑) / (↓), select the source of your music file, then press (OK).
3. Use the up/down keys (↑) / (↓) to locate the music that you want to listen. Press (OK) or (▶) to play the music.

## Configuring the audio playback settings

The audio playback setting menu allows you to configure the audio settings such as **Repeat** options and **Shuffle Loop**.

### To configure the audio playback settings:

1. During playback, press (Option) to launch the audio playback setting menu.
2. Press the up/down keys (↑) / (↓) to select from any of these playback options: **Repeat Off**, **Repeat On**, **Repeat All**, and **Shuffle Loop**. Press (OK) to confirm the selection.



## Viewing photos

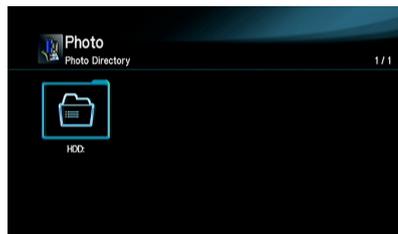
### Photo control buttons on the remote control

Button	Function
	Press to display the photo's file information.
	Press to return to the previous screen.
	Press to toggle between playback and pause.
	Press to rewind the playback. Press repeatedly to change the rewinding speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to forward the playback. Press repeatedly to change the forward speed to x1.5, x2, x4, x8, x16, x32, or normal speed (x1)
	Press to stop the playback.
	Press to configure the photo playback settings.
	Press to increase the volume.
	Press to decrease the volume.
	Press to return to the previous photo.
	Press to go to the next photo.
	Press to disable audio output.

## Viewing photos

### To view photos:

1. From the Home screen, press the left/right keys (← / →) to navigate to **Photo**, then press (OK).
2. Using the up/down keys (↑ / ↓), or left/right key (← / →), select the source of your photo, then press (OK). Locate the photo that you want to view.
3. Press (OK) to browse the photos. Press (▶/⏮) to view the photos in slideshow mode.



## Viewing photos in slideshow mode

### To view photos in slideshow mode:

1. When the selected photo is displayed in full screen, press (▶/⏮) on the remote control to start the slideshow. Photos in the same source folder will be displayed in order.
2. Press (⏸) to pause the slideshow.  
Press (■) or (←) to return to the source folder.

## Setting the background music for the slideshow

### To set the background music for the slideshow:

1. Before viewing photos, go to **Music** and play music files first.
2. Press (←) to return to the Home screen and then go to **Photo** to start the photo slideshow. The slideshow plays with the background music.



Press (←) instead of (■) while playing music files. Otherwise, the background music will not play.



## Configuring the photo playback settings

The photo playback setting menu allows you to configure the photo settings such as photo rotation, slideshow timing, slideshow transition effect, Ken Burns effect, Repeat options, and Shuffle Loop.

### To configure the photo playback settings:

1. During playback, press  to launch the photo playback setting menu.
2. Press the up/down keys  /  to navigate to the the function that you want to configure. Press  to enter its submenu to confirm the selection.
3. Navigate to the desired option, then press  to save or press  to cancel the settings mode.





## Streaming online media

Your O!PLAY TV PRO provides online media services including **Youtube Leanback, Youtube XL, Facebook, Acetrax, Dailymotion, Internet Radio, Flickr, Picasa, RSS News, Mediafly, Yahoo Stock, Weather, Podcast,** and others.



---

The online content is constantly added and updated. Visit the ASUS website at <http://www.asus.com> for the latest information.

---



- Ensure that your O!PLAY TV PRO is connected to the Internet. However, the network connection might be disabled if the internet link is abnormal or blocked.
  - Ensure that your O!PLAY TV PRO is connected to the Internet via wired or wireless network connection. For more details, refer to Chapter 2.
  - ASUS disclaims all responsibility if an online media service suspends or terminates its service without prior notice.
- 

### To stream online media:

1. From the Home screen, press the **left/right keys** (⏪ / ⏩) to navigate to **Online Media**, then press **OK**.
2. Use the four navigation keys (left, right, up, or down key) to select the online media services that you want to use, then press **OK**.

### Online streaming from Youtube Leanback

Your O!PLAY TV PRO provides you access to Youtube Leanback, allowing you to enjoy uninterrupted streaming of full-screen and high-definition Youtube contents to your external display.

#### To stream from Youtube Leanback:

1. From the Home screen, press the **left/right keys** (⏪ / ⏩) to navigate to **Online Media**, then press **OK**.
2. Select **Youtube Leanback** and press **OK**.
3. Select the Youtube contents that you want to stream and press **OK**.



---

For more details about Youtube Leanback, refer to Youtube Help at <http://www.google.com/support/youtube/>.

---





## Online streaming from Facebook

Your O!PLAY TV PRO provides you access to Facebook, allowing you to stream photos and videos from your Facebook account to your external display. It also allows you to publish recorded videos from your O!PLAY TV PRO to your Facebook account.

### To stream from Facebook:

1. From the Home screen, press the left/right keys  /  to navigate to **Online Media**, then press .
2. Select **Facebook** and press .
3. Sign in to your Facebook account. You can now stream photos and videos from your Facebook account to your external display.



---

If you do not have an existing Facebook account, create a Facebook account on the Facebook website at <http://www.facebook.com>

---

## Online streaming from Acetrax

Your O!PLAY TV PRO provides you access to Acetrax, allowing you to stream rented or purchased movies to your external display.

### To stream from Acetrax:

1. From the Home screen, press the left/right keys  /  to navigate to **Online Media**, then press .
2. Select **Acetrax** and press .
3. Sign in to your Acetrax account. You can now stream rented or purchased movies from your Acetrax account to your external display.



---

Acetrax provides movies for rent or purchase to registered consumers in some European countries such as the United Kingdom, Austria, Ireland, Italy, France, Germany, Liechtenstein, and Switzerland.

---



---

If you do not have an existing Acetrax account, create an account on the Acetrax website at <http://www.acetrax.com>

---





## Online streaming from Dailymotion

Your O!PLAY TV PRO provides you access to Dailymotion, allowing you to stream videos, short movies, or TV shows to your external display.

### To stream from Dailymotion:

1. From the Home screen, press the **left/right** keys (← / →) to navigate to **Online Media**, then press (OK).
2. Select **Dailymotion** and press (OK). You can now stream videos, short movies, or TV shows from Dailymotion to your external display.

## Streaming digital TV programs

Your O!PLAY TV PRO allows you to stream digital TV programs to your external display. It also allows you to record digital TV programs on the internal storage device.



- Before using the digital TV function, ensure that you have configured the digital TV and recording settings. For more details, refer to the section **Configuring the digital TV and recording settings**.
- If you have set the digital TV function to **Auto Scan**, your O!PLAY TV PRO will automatically scan for digital TV channels and you can enter the digital TV function from the main menu.
- Before recording digital TV programs, ensure that you have installed an internal hard disk drive to your O!PLAY TV PRO.

## Viewing the TV program guide

### To view the TV program guide, do any of these steps:

- While the digital TV program is running, press the **EPG** key (EPG) to launch the Electronic Program Guide (EPG).
- While the digital TV program is running, press the **Option** key (Option) to launch the submenu list. From the list, select **EPG** and press (OK).





## Instant recording of a digital TV program

To instantly record a digital TV program, do any of these steps:

- While the digital TV program is running, press the Record key  to start recording.

If you want set the total recording time, press the Record key  again for about three seconds, then press the Record key  repeatedly to select you preferred recording time.

To stop the recording, press the Stop key  and the live digital broadcasting will resume instantly.



- While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **REC** and press .

## Configuring the TV program settings

### Configuring the video settings

To configure the video settings:

- While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **Video Setting** and press .
- Press the left/right keys  /  to adjust the Brightness, Contrast, Saturation, or Hue settings.



### Configuring the audio settings

To configure the audio settings:

- While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **Audio** and press .
- Press the left/right keys  /  to adjust the audio input source.





## Viewing a recorded TV program

To view a recorded TV program:

1. While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **REC file** and press .
2. Press up/down keys  /  to select through the list of recorded files.
3. Press  to play your selected recorded file.



## Sharing a recorded TV program to Facebook and Youtube

To share a recorded TV program Facebook and Youtube:

1. Open the recorded TV program.
2. While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **Sharing to Youtube** or **Sharing to Facebook** and press .
3. Select the starting point of the TV program that you want to share, then press the Red key .
4. Determine the end point of the TV program that you want to share, then press the Green key .
5. To upload the TV program, press the Yellow key  and wait for the upload process to finish.
6. Sign in to Youtube or Facebook using your registered Youtube or Facebook account.



Visit the official websites of Youtube and Facebook to know the file size limitation of media contents that you can download to these social networking sites.



## Using Timeshift

The Timeshift function allows you to record or save a running digital TV program to the internal hard disk drive.



- Before using the Timeshift function, ensure the following:
  - There is enough space in the internal hard disk drive to save the recorded TV programs.
  - Set the timeshift duration from Setup > TV & REC. For details, refer to the section **Configuring the digital TV and recording settings**.

## Recording a digital TV program via Timeshift

To record a digital TV program via Timeshift:

- While the digital TV program is running, press the Option key  to launch the submenu list. From the list, select **Timeshift** and press . The Timeshift function automatically saves the digital TV program into the internal hard disk drive.



## Playing the Timeshift-recorded digital TV program

To play the Timeshift-recorded digital TV program:

1. Locate the recorded TV program that you want to play from the internal hard disk drive.
2. Press  to play the recorded TV program. Press  again to pause the playback. You can also press  or  to forward or rewind the playback.  
Press  to view the Timeshift recording time bar, which shows information about the Timeshift-recorded TV program.



If the Timeshift recording conflicts with the scheduled recording, stop the scheduled recording first, then resume the Timeshift recording.



## Managing your files

File Manager offers both the device management and media file management that allow you to browse the media files by **USB** and **Card Reader**.

### Renaming files/folders

#### To rename files/folders:

1. From the Home screen, press the **left/right keys** (← / →) to navigate to **File Manager**, then press **OK**.
2. Locate the file or folder that you want to rename from any of these sources: **USB** and **Card Reader, Network**.
3. Press the **green button (edit)** (edit icon), and select **Rename**.
4. To key in the new name for your file or folder, use the navigation keys to move through the virtual keyboard.
5. When you have entered the new name, navigate to the **OK** button on the virtual keyboard to confirm the new file or folder name.



## Using O!Direct

O!Direct allows you to stream media files such as movies, music, or photos from a computer in a wired or wireless network to a high-definition external display.



- Ensure that your computer and your O!PLAY TV PRO are on the same subnet mask.
- Ensure that your wired or wireless network connection is working properly.
- Ensure that the firewall and any anti-virus software/utility in your computer are disabled.

## Installing O!Direct

### To install O!Direct:

1. Place the bundled support CD in your computer's optical disk drive.
2. Double-click the setup.exe file from the O!Direct folder.
3. Follow the onscreen instructions to complete the installation.



- If your O!PLAY TV PRO current firmware version does not include O!Direct, download the O!Direct utility from the ASUS Support site at <http://support.asus.com>
- O!Direct is only available for computers running on Windows® OS.
- You need to reboot your computer after installing or updating O!Direct.
- You can uninstall O!Direct on your computer from Windows® Control Panel.

## Streaming media files via O!Direct

### To stream media files via O!Direct:

1. From the Home screen, press the left/right keys (← / →) to navigate to **Setup**, then press **OK**.
2. **Select Network > Wireless Setup** and press **OK**.
3. To run a test connection, select O!Direct from the list and press **OK**.
4. Click **OK** on the O!Direct Net Info screen.
5. Press the Home key (⌂) to go back to the Home page of your O!PLAY TV PRO.
6. On your computer, select **O!Direct** from the network list.
7. On your computer, right-click the media file, and click **O!Direct**.

8. In the dialog box that appears on your computer, key in the PIN number in the **Pin code** field, and click **OK**. The PIN number is the O!PLAY TV PRO's generated PIN number and is displayed on your high-definition external display.



- To play multiple files, press **<Ctrl> + <Shift>** + mouse. This command categorizes your files and will them play in this sequence: Movies, Music, and Photo.
- When you connect to a network via a wireless connection, there may be some lag or jitters when streaming some highdefinition video files. Such problem is due to wireless signal interference or insufficient bandwidth available in some common home-based wireless routers. We recommend that you use wired connection (10/100 LAN/RJ-45 cable) for streaming high-definition video files.

## Using O!MediaShare

You can easily share and stream media contents from your Tablet or Smartphone device to a high-definition display via O!PLAY TV PRO.



Visit Android market or Apple market to download the free ASUS exclusive "O!MediaShare" application.

### To use O!MediaShare

1. Turn on the WiFi or wireless function of your Smartphone or Tablet device and O!PLAY TV PRO.
2. Start sharing movies, photos, or music files from your Smartphone or Tablet device to the high-definition display. You can also stream media contents from Youtube, Facebook, CNN, TED, Cnet, Flickr, Picasa, and other websites via your Smartphone or Tablet device to the high-definition display.





## Using AutoPlay

Your O!PLAY TV PRO allows you to automatically play videos stored on a USB storage device or on a memory card without entering O!PLAY TV PRO's user interface.

### To use autoplay:

1. Create a folder named AutoPlay in a USB storage device or in a memory card.
2. Copy the video files into the Autoplay folder.
3. Install the USB storage or memory card to your O!PLAY TV PRO. The videos will play automatically.

## Using NAS

NAS ( Network-attached storage) is a device connected to a network that only provides file-based data storage services to other devices on the network. The NAS function allows all network servers to share their storage files with network clients.



- You must have the hard disk drive installed on your O!PLAY TV PRO for using the NAS function.
- Ensure that your O!PLAY TV PRO is correctly connected to the network. For more details, refer to the section **Connecting to a network**.



The video/audio/photo playback function is disabled when using NAS.

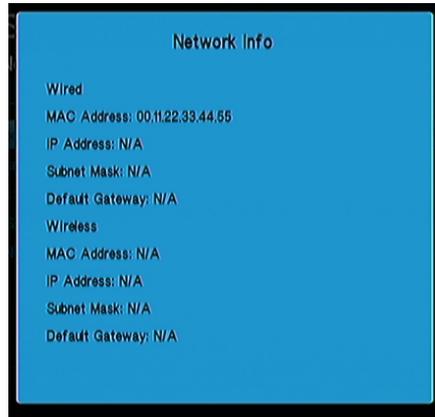
### To share files via NAS:

1. From the Home screen, press the left/right keys  /  to navigate to **NAS**, then press .
2. Press the up/down keys  /  to select the server that you want to use, then press the right key  or .
3. Select **On** and press  to enable the NAS function on your O!PLAY TV PRO.
4. Launch your computer's web browser that is correctly connected to a NAS network.



5. Enter the same IP address that is set up on your O!PLAY TV PRO.

To obtain O!PLAY TV PRO's IP address, press the left/right keys (← / →) to navigate to **Setup** from the Home screen. Select **System > Network Info**, then press (OK).



6. Enter the necessary setting for the server you selected, then press **Apply** to start using the NAS function.

#### Server list on your O!Play TV PRO

Server	Description
SAMBA Server	SAMBA is a play on words for the SMB (Server Message Block) protocol. When you open up your network neighborhood of your PC, the SAMBA server should be displayed in the browse list.
FTP Server	This server works like any FTP site you may connect from your PC.
iTunes Server	This server works like running the iTunes server.
BT Download	This server works like any Bittorrent client you may connect from your PC.
BT Info	This presents the detailed information about all BT functions.





# Chapter 4

## Troubleshooting

### Troubleshooting

This section provides answers to some common problems that you may encounter while installing or using the ASUS O!PLAY TV PRO. These problems require simple troubleshooting that you can perform by yourself. Contact ASUS Technical Support if you encounter problems not mentioned in this section.

#### Display

##### **Q1. The O!PLAY TV PRO does not work. You think that the problem might be with the O!PLAY TV PRO's power adapter.**

- The O!PLAY TV PRO's power adapter possibly performs the overload protection function — automatic shutdown during overload conditions, such as Over Current, Over Voltage, and Over Temperature.
- Disconnect the O!PLAY TV PRO's power adapter and wait few minutes before you reinsert the player's power adapter directly into an outlet. Turn on the O!PLAY TV PRO again.
- If the problem still exists, contact your retailer.

##### **Q2. The TV screen is blank and the O!PLAY TV PRO power LED remains off.**

- Ensure that the TV is turned on.
- Ensure that the O!PLAY TV PRO's power adapter and power outlet are functional.
- Ensure that the O!PLAY TV PRO's power adapter plug is firmly attached to the rear panel of the player and to the power outlet.

##### **Q3. I cannot see the Setup Wizard when I turn on the player for the first time. The TV screen is blank and the O!PLAY TV PRO power LED is on.**

- Ensure that the TV is turned on.
- Ensure that the AV/HDMI cable is properly connected to the correct terminals on both the TV and the O!PLAY TV PRO.
- Ensure that your TV is switched to the appropriate video source (AV IN or HDMI). You may need to use your TV Remote control to change video sources.





- Turn off your O!PLAY TV PRO and wait for a few minutes before turning it on again or press the reset button at the back panel.
- Ensure that the HDMI resolution of your TV supports 720p, 1080i, or 1080p.
- When you turn off your O!PLAY TV PRO, wait until it is completely turned off. DO NOT press the remote control repeatedly when the remote control is in the power-off process. Doing so will cause your O!PLAY TV PRO to malfunction. If this occurs, disconnect and then connect the power adapter to the O!PLAY TV PRO.

#### **Q4. The TV screen is blinking and fuzzy.**

- Ensure that the AV/HDMI cable is properly connected to the correct terminals on both the TV and the O!PLAY TV PRO.
- Ensure that the O!PLAY TV PRO power LED is on.
- Ensure that the TV system setting matches the system used in your country.
- Ensure that the correct video resolution option is selected.

#### **Q5. I cannot find any of my music, movie, or photo files.**

- Ensure that your Media Server (such as USB storage device) or your computer is switched on and that the device is not in standby mode.
- If using a wired network, check that the Ethernet cable is properly attached to the O!PLAY TV PRO and to a network router. Check that the router is switched on.
- Check that the Media server (your computer) used has shared the O!PLAY TV PRO as a client and that the files are also shared.
- If you are using static IP addresses, check that the IP address is in the same range as other addresses on your network. Verify that the address is not already used by another PC or device.
- Ensure that the files are supported file formats and are not damaged.

#### **Q6. Certain files cannot be played on the O!PLAY TV PRO.**

The O!PLAY TV PRO may not support the video or audio format used in the file. For information on what media formats the O!PLAY TV PRO supports, refer to **Specifications summary** in Chapter 1.

#### **Q7. Only one video/music/photo is played when I selected it. How do I play the entire list?**

When selecting a video/music/photo to play, pressing the OK button on the remote control plays just the selected file while pressing the PLAY/PAUSE button plays the entire list of files.





## **Q8. The LEDs on the Ethernet port do not blink and my wired connection does not work.**

- Ensure that the LAN Cable plug is firmly connected to the Ethernet port of the O!PLAY TV PRO's rear panel.
- Try to replace a functional LAN cable.
- Try to reconnect the LAN cable to the O!PLAY TV PRO to keep the network connection active.

## **Audio**

### **Q1. There is no sound.**

- Ensure the volume on the entertainment unit is not on mute mode.
- Go to **Setup > Audio** and ensure that you have enabled the correct Digital Output setting.



---

For more details, refer to the section **Configuring the audio playback settings**.

---

- If you are watching a video that supports multiple audio channels, press the Option key  on the remote control and select Audio to ensure that the required audio channel is displayed.

### **Q2. I cannot hear any sound when I am playing music files.**

- Ensure that the audio cables are properly connected.
- If the audio cables are connected to your TV, the TV must be turned on to play any music files.
- If the audio cables are connected to your stereo, ensure that the stereo is on and you have the correct stereo input selected. If you are having trouble selecting the correct audio source, refer to the instructions that came with your stereo.

### **Q3. A few of my Music files do not appear.**

The O!PLAY TV PRO supports the most common music file formats. However, there are almost an infinite variety of bit rates and sample rates. If a file is not displayed on the screen, it most likely uses an unsupported bit rate or sample rate. Only use files with supported formats, bit rates, and sample rates.





## USB storage device

### **Q1. I cannot find any of my music, movie, or photo files.**

- Ensure that your USB storage device (USB Flash/USB HDD ) is not in standby mode.
- Ensure that the files are supported file formats.

### **Q2. The O!PLAY TV PRO does not recognize my USB storage device.**

Your USB storage device may not be detected because of problems with the USB hardware driver, USB cable, or longer system response time. Try to re-plug the USB storage device to the USB port again, replace a new USB cable, or use another USB storage device.

## Remote Control

### **Q1. The O!PLAY TV PRO remote control is not working.**

- Ensure that the batteries are properly inserted.
- The batteries may already be drained out. Replace the batteries with new ones.
- Ensure that the path between the remote control and the O!PLAY TV PRO is not blocked.
- High-definition movies that are streamed via the network may not play smoothly. You may also encounter some problems with using your remote control such as lag and no response.

## Firmware Updates

### **Q1. What is my O!PLAY TV PRO's firmware version? How do I upgrade it?**

- Check the firmware **version info** before the upgrade process. If the firmware is the latest version, you will not need to update the firmware.
- Go to **Setup > MISC > Version Info** to find the firmware version.

#### **Online upgrade**

1. Go to **Setup > MISC > Online upgrade** to perform the firmware upgrade process via the Internet.

---

Make sure that you have Internet connection before upgrading the firmware via the Internet.

---



#### **USB upgrade**





1. Visit ASUS support site (**Drivers and Download**) to download the latest firmware: <http://support.asus.com/download/download.aspx?SLanguage=en-us>
- Use an USB flash drive loaded with latest firmware and follow the instructions (**Attached PDF**) to update.



- If you are still unable to update the firmware, reset the system and perform the updating process again.
- The firmware update manual is available in PDF file (included in the updated firmware folder).
- If the O!PLAY TV PRO device is shut down or powered off during the software installation, the update will fail. If the O!PLAY TV PRO will not power on, you will need to reset the device. This will restore the device back to its default settings. The firmware update can be attempted again at this point.

## **Wired, Wi-Fi, and Internet connections**

### **Q1. I cannot connect to the Wi-Fi network.**

- Ensure that you have properly configured your Wi-Fi settings.
- Check the documentation that came with your router for the correct wireless settings.
- The network you are trying to access may be protected, secured, or encrypted.

If you are trying to connect to a wireless local area network (WLAN), contact your network administrator for the security and encryption settings.

### **Q2. When I searched for a Wi-Fi network, I found several networks, some of which are encrypted. How do I connect to an encrypted network?**

Contact your network administrator for the correct SSID (network name) and encryption key or password for the wireless network you want to connect to.

### **Q3. Movies streamed via the Wi-Fi network does not run smoothly.**

Possible causes may be:

- Slow connection or high Internet traffic.
- Interference from several sources such as other wireless network devices, Bluetooth devices, wireless phones, or even microwave ovens.





#### **Q4. I cannot connect to the wired network.**

- You need to select either DHCP (AUTO IP) or Manual setting (Fixed IP) as your setup type. If you select DHCP IP (AUTO), the router's DHCP server automatically assigns an IP address for your O!PLAY TV PRO.
- If you select Manual setting (Fixed IP), key in the IP address, Subnet Mask, and DNS server's IP address. For more details, refer to the section Wired connection.

#### **Q5. How do I share folders in the network?**

If you want to access shared network files, ensure that the network computer's files are shared on the network. For more details, refer to the section **Sharing files over the network**.

#### **Q6. There is too much lag while I am watching an online media website.**

- Slow connection or high Internet traffic may cause this problem. Try watching the online media during off-peak hours.
- You may have limited bandwidth usage on your network. Contact your Internet Service Provider (ISP) to inquire about increasing your bandwidth for your network connection.

#### **Q7. Why do I encounter network lag when I use Internet media services such as Internet radio and TV stations?**

Depending on the streaming situation or network stability/traffic, you might need to wait for a few minutes to use the Internet media services.

#### **Q8. If I have a "Domain" network, can I use O!PLAY TV PRO?**

O!PLAY TV PRO does not officially support streaming from a domain server or a computer attached to a domain. While it is certainly possible, our technical support will be unable to provide assistance regarding this configuration. Contact your domain administrator or Microsoft Support for assistance.

#### **Q9. Can I access other online media websites?**

No. You can only access the online media services offered on your ASUS O!PLAY TV PRO. Please note that the content is constantly added and updated. Visit the ASUS website for the latest information.





### **Q10. Can I connect to the network via both wired and wireless connections simultaneously?**

No, you cannot connect to the network using both wired and wireless connections simultaneously.

## **Operation/function failure**

### **Q1. An operation/function failed on my O!PLAY TV PRO. What can I do?**

- Disconnect the AC adapter from the power source, then plug it in again.
- Using a pointed object, press the reset button located at the rear panel.
- If you still encounter the same problem, contact the ASUS Technical Support.





# Appendices

## Notices

### ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to

<http://csr.asus.com/english/Takeback.htm> for the detailed recycling information in different regions.

### REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at

<http://csr.asus.com/english/index.aspx>.

### Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference including interference that may cause undesired operation.

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 residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a 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 to 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.



---

Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

---

## Canadian Department of Communications Statement

This digital device does not exceed the Class B limits for radio noise emissions from digital device set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital device complies with Canadian ICES-003.

## GNU General Public License

### Licensing information

This product includes copyrighted third-party software licensed under the terms of the GNU General Public License. Please see The GNU General Public License for the exact terms and conditions of this license. We include a copy of the GPL with every CD shipped with our product. All future firmware updates will also be accompanied with their respective source code. Please visit our web site for updated information. Note that we do not offer direct support for the distribution.

### GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.

59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.



When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

### **Terms & conditions for copying, distribution, & modification**

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".





Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.





Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
  - a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
  - b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
  - c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.





5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.
7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.





9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and “any later version”, you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

## **NO WARRANTY**

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**END OF TERMS AND CONDITIONS**



## ASUS contact information

### ASUSTeK COMPUTER INC.

Address 5 Li-Te Road, Peitou, Taipei, Taiwan 11259  
Telephone +886-2-2894-3447  
Fax +886-2-2890-7798  
E-mail [info@asus.com.tw](mailto:info@asus.com.tw)  
Web site [www.asus.com.tw](http://www.asus.com.tw)

#### *Technical Support*

Telephone +86-21-38429911  
Online support [support.asus.com](http://support.asus.com)

### ASUS COMPUTER INTERNATIONAL (America)

Address 800 Corporate Way, Fremont, CA 94539, USA  
Telephone +1-510-739-3777  
Fax +1-510-608-4555  
Web site [usa.asus.com](http://usa.asus.com)

#### *Technical Support*

Telephone +1-812-282-2787  
Support fax +1-812-284-0883  
Online support [support.asus.com](http://support.asus.com)

### ASUS COMPUTER GmbH (Germany and Austria)

Address Harkort Str. 21-23, D-40880 Ratingen, Germany  
Fax +49-2102-959911  
Web site [www.asus.de](http://www.asus.de)  
Online contact [www.asus.de/sales](http://www.asus.de/sales)

#### *Technical Support*

Component Telephone +49-1805-010923\*  
System/Notebook/Eee/LCD Telephone +49-1805-010920\*  
Support Fax +49-2102-9599-11  
Online support [support.asus.com](http://support.asus.com)

\* EUR 0.14/minute from a German fixed landline; EUR 0.42/minute from a mobile phone.