VIZIO

BLU-RAY™ PLAYER WITH WIRELESS INTERNET APPS

VBR140 – USER MANUAL

This product qualifies for ENERGY STAR in the "factory default" setting and this is the setting in which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR rating.

Important Safety Instructions

Your Blu-ray Player is designed and manufactured to operate within defined design limits. Misuse may result in electric shock or fire. To prevent your Blu-ray Player from being damaged, the following instructions should be observed for the installation, use, and maintenance of your Blu-ray Player. Read the following safety instructions before operating your Blu-ray Player. Keep these instructions in a safe place for future reference.

- To reduce the risk of electric shock or component damage, switch off the power before connecting other components to your Blu-ray Player.

- Read these instructions.

- Keep these instructions.

- Heed all warnings.

- Follow all instructions.

- Do not use this apparatus near water.

- Clean only with a dry cloth.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized 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.

- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

- Only use attachments/accessories specified by the manufacturer.

- 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.

- Unplug this apparatus during lightning storms or when unused for long periods of time.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the 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.

- Unplug the power cord before cleaning your Blu-ray Player.

- When moving your Blu-ray Player from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your Blu-ray Player to avoid causing fire, electric shock, or component damage.

- A distance of at least three feet should be maintained between your Blu-ray Player and any heat source, such as a radiator, heater, oven, amplifier etc. Do not install your Blu-ray Player close to smoke. Operating your Blu-ray Player close to smoke or moisture may cause fire or electric shock.

- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your Blu-ray Player and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your Blu-ray Player in a bookcase or cabinet unless proper ventilation is provided.

- Never push any object into the slots and openings on your Blu-ray Player cabinet. Do not place any objects on the top of your Blu-ray Player. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your Blu-ray Player.

- Your Blu-ray Player should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

- Do not apply pressure or throw objects at your Blu-ray Player. This may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.

- The power cord must be replaced when using different voltage than the voltage specified. For more information, contact your dealer.

- When connected to a power outlet, power is always flowing into your Blu-ray Player. To totally disconnect power, unplug the power cord.

- The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-isolated, dangerous voltage within the inside of your Blu-ray Player that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

- The wall socket should be installed near your Blu-ray Player and easily accessible.

- Only power of the marked voltage can be used for your Blu-ray Player. Any other voltage than the specified voltage may cause fire or electric shock.

- Do not touch the power cord during lightning. To avoid electric shock, avoid handling the power cord during electrical storms.

- Unplug your Blu-ray Player during a lightning storm or when it will not be used for long period of time. This will protect your Blu-ray Player from damage due to power surges.

- Do not attempt to repair or service your Blu-ray Player yourself. Opening or removing the back cover may expose you to high voltages, electric shock, and other hazards. If repair is required, contact your dealer and refer all servicing to qualified service personnel.

- WARNING: Keep your Blu-ray Player away from moisture. Do not expose your Blu-ray Player to rain or moisture. If water penetrates into your Blu-ray Player, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.

- Do not use your Blu-ray Player if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair your Blu-ray Player yourself.

- Avoid using dropped or damaged appliances. If your Blu-ray Player is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of your Blu-ray Player may cause fire or electric shock.

- Do not install your Blu-ray Player in an area with heavy dust or high humidity. Operating your Blu-ray Player in environments with heavy dust or high humidity may cause fire or electric shock.

- Follow instructions for moving your Blu-ray Player. Ensure that the power cord and any other cables are unplugged before moving your Blu-ray Player.

- When unplugging your Blu-ray Player, hold the AC/DC power adapter, not the cord. Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your Blu-ray Player will not be used for an extended period of time, unplug the power cord.

- To reduce risk of electric shock, do not touch the connector with wet hands.

- Insert batteries in accordance with instructions. Incorrect polarities may cause the batteries to leak which can damage the remote control or injure the operator. Do not expose batteries to excessive heat such as sunshine, fire or the like.

- If any of the following occurs, contact the dealer:
    - The power cord fails or frays.
    - Liquid sprays or any object drops into your Blu-ray Player.
    - Your Blu-ray Player is exposed to rain or other moisture.
    - Your Blu-ray Player is dropped or damaged in any way.
    - The performance of your Blu-ray Player changes substantially.

- This apparatus shall not be exposed to dripping or splashing and no objects fill with liquids, such as vases, shall be placed on the apparatus.

- The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- CAUTION - These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

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 electrical shock to persons.

Caution
- This BD player has a laser system.
- Please note that hazardous radiation leakage may be caused if the player is misused in anyway.
- Do not defeat the safety interlocks.
- Do not open the case of the player. The laser light will become visible when the case is opened.

CLASS 1 Laser Product

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Important Safety Information for Viewing 3D Content

⚠ You may experience discomfort while watching 3D content. You may feel symptoms of eye strain, vision fatigue, color or depth distortion, motion sickness, nausea, dizziness, disorientation, or other discomforts. If you experience any of these symptoms, stop watching and take a break for at least thirty minutes before resuming. If the symptoms are severe or continue even after you have stopped watching 3D content, consult a physician.

⚠ Take care to monitor children's watching of 3D content. Children (including teenagers) may be more at risk of experiencing discomfort while watching 3D content and less likely to report symptoms. Monitor children's 3D content viewing and watch for signs of discomfort.

⚠ Some viewers may be susceptible to epileptic seizures or strokes when viewing 3D images, even if those conditions have not been previously diagnosed. If you or anyone in your family has a history of seizures or strokes, or if you have any other reason to think you or someone under your supervision may be susceptible to epileptic seizures or strokes, consult a physician before watching 3D content.

⚠ Even if you do not experience any of the above symptions, take regular breaks from watching 3D content.

Before the first-time setup, take a few moments to familiarize yourself with the various controls and connections. This will make the setup process much faster and your experience with the player much more enjoyable!

Front Panel

Front Panel
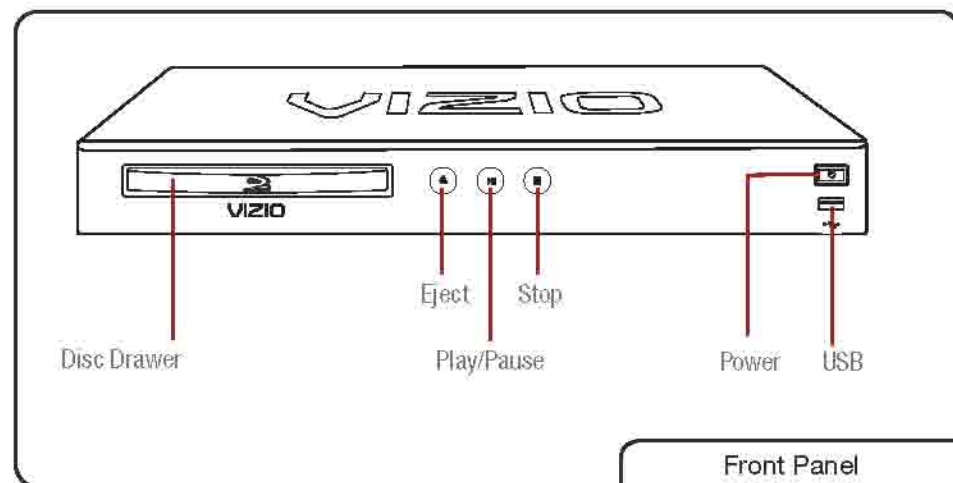
Disc Drawer: Insert the disc here to play.

Eject: Press to open or close the disc drawer.

Play/Pause: Press to play or pause disc.

Stop: Press to stop disc playback.

Power/Standby: Touch to turn the player on/off.

USB: Connect USB thumb drive to play music or photos.

Rear Panel

Rear Panel
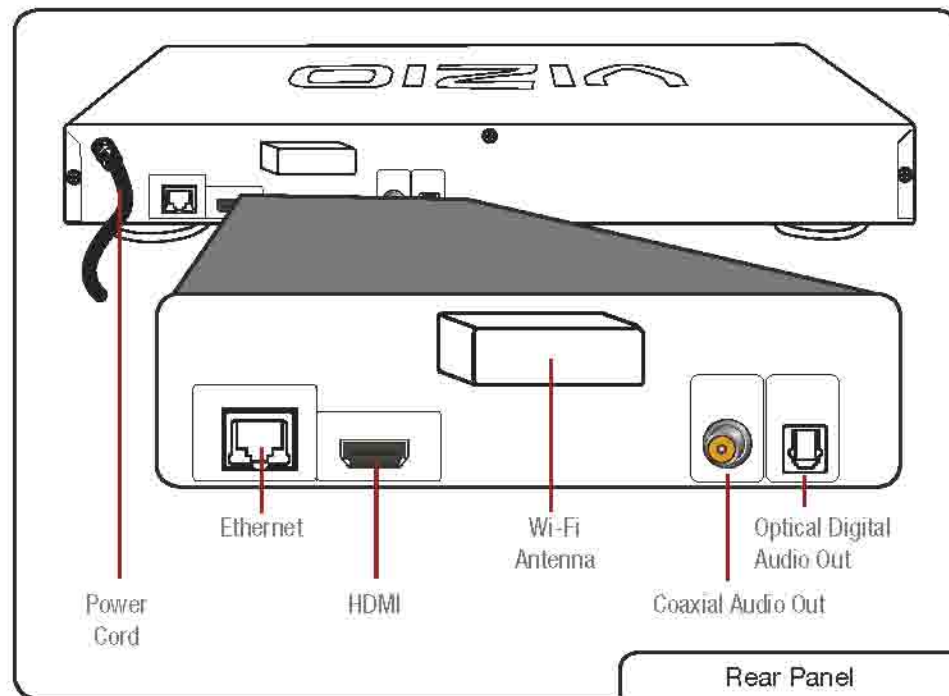
**Power Cord:** Connect to an electrical outlet.

Ethernet: Connect to your router or modem with an ethernet cable.

HDMI: Connect to your TV or home audio system with an HDMI cable.

Wi-Fi Antenna: When communicating with a home network, the orange light flashes. **Do not attempt to disconnect or otherwise tamper with the Wi-Fi Antenna.**

Optical Digital Audio Out: Connect to a home audio system with an optical (SPDIF) cable.

Coaxial Audio Out: Connect to a home audio system with a coaxial (RCA) cable.
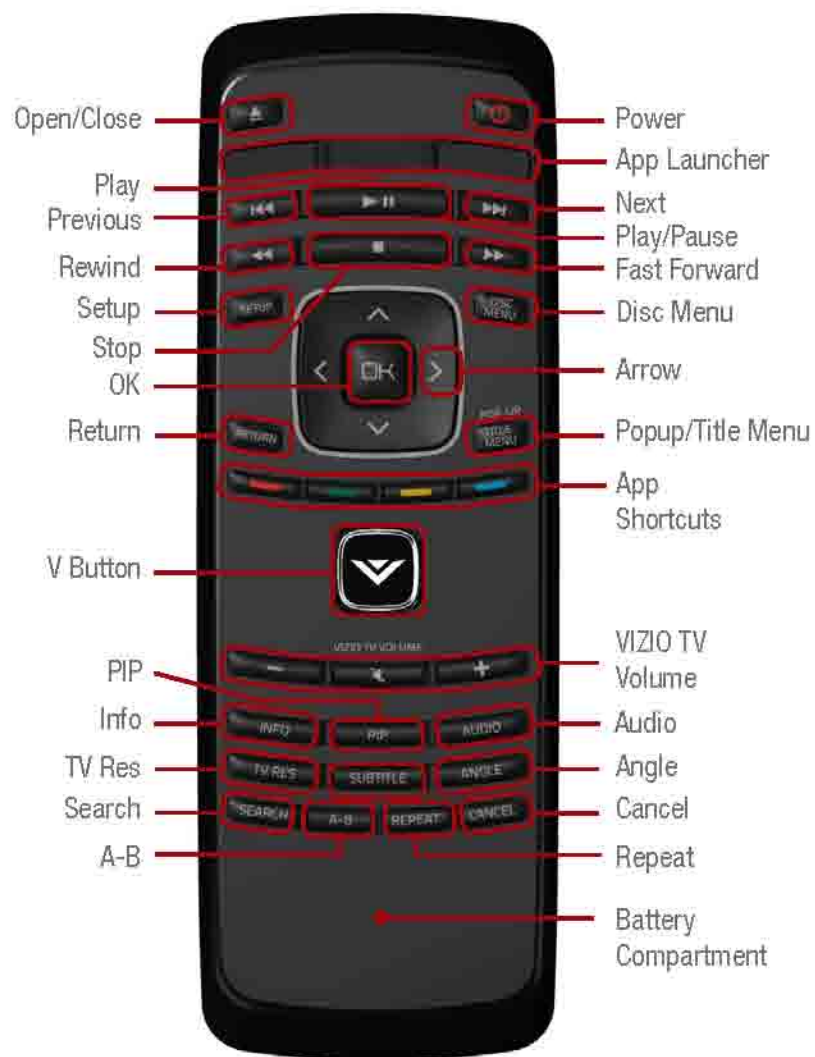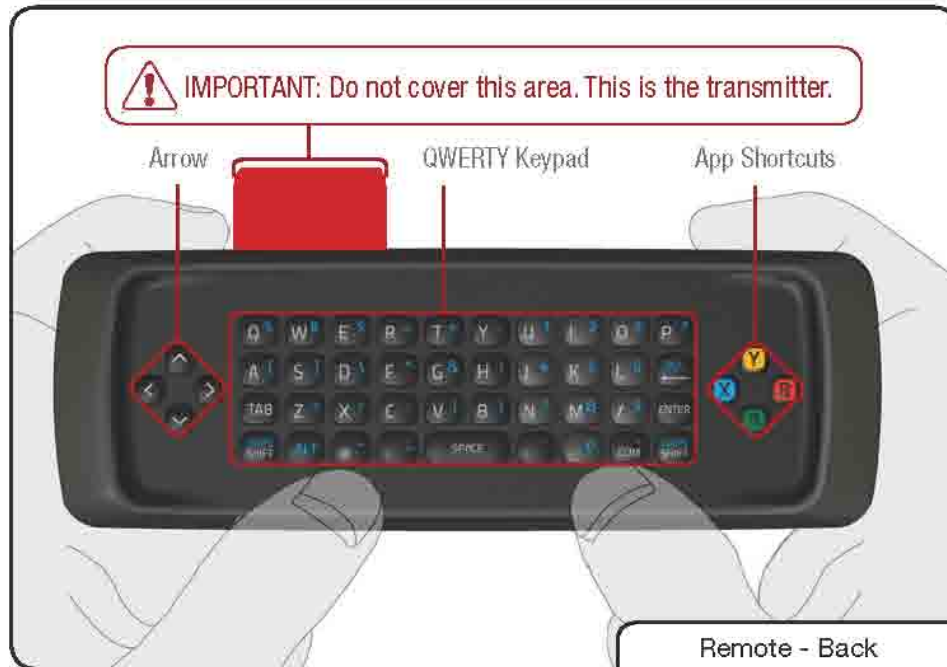
Remote Control

| Button	Description
Open/Close:	Open or close the disc drawer.
Power:	Turn Player on or off.
App Launchers:	Quick launch App on button.
Previous:	Go to the previous chapter or track.
Play/Pause:	Start or pause playback.
Next:	Go to the next chapter or track.
Rewind:	Reverse playback. Press repeatedly to increase speed.
Stop:	Stop playback.
Fast Forward:	Advance playback. Press repeatedly to increase speed.
Setup:	Open setup menu.
Disc Menu:	Open disc menu.
OK:	Select highlighted menu item.
Arrow:	Navigate menu.
Return:	Go back to the previous menu screen.
Popup/Title Menu:	Open title menu while movie plays.
App Shortcuts:	Control Internet Apps and disc functions (press Red button to exit Apps).
V Button:	Return to the Player home screen.
VIZIO TV Volume:	Increase, decrease, or mute volume on a VIZIO TV.
PIP:	Enable picture-in-picture.*
Info:	Open disc info window.
Subtitle:	Change subtitle track.*
Audio:	Change audio track.*
TV Res:	Change the resolution output of the Player to match the resolution of your TV.
Angle:	Select viewing angle.*
Repeat:	Repeat playback of track*
A-B:	Create a playback loop*
Search:	Find specific title, chapter, or time.*
Cancel:	Clear entered numbers/letters.
QWERTY Keypad:	Use to enter numbers and letters. Hold down the **ALT** button to type a blue letter, number, or symbol.

Labels on remote diagram: Open/Close, Play, Previous, Rewind, Setup, Stop, OK, Return, V Button, PIP, Info, TV Res, Search, A-B; Power, App Launcher, Next, Play/Pause, Fast Forward, Disc Menu, Arrow, Popup/Title Menu, App Shortcuts, VIZIO TV Volume, Audio, Angle, Cancel, Repeat, Battery Compartment

Remote - Front

*Compatible Blu-ray or DVD discs only.

⚠ IMPORTANT: Do not cover this area. This is the transmitter.

Arrow   QWERTY Keypad   App Shortcuts

Remote - Back

Replacing the Batteries

1. Remove the battery cover by pressing gently on the remote and pushing the cover away as shown.

2. Insert two AAA batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.

3. Replace the battery cover.
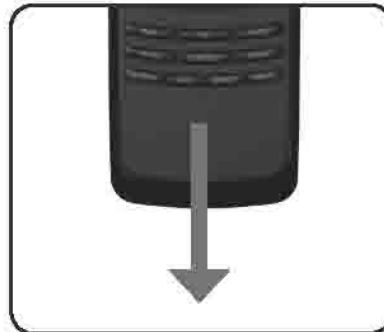
💡
- Use only good quality batteries.
- Inserting the batteries incorrectly may result in cracking or leakage that may cause a fire or result in injury.
- Dispose of old or dead batteries in accordance with local hazardous waste regulations.
- Keep batteries away from children and pets.

Inspecting the Package Contents

Before installing your new player, take a moment to inspect the package contents. Use the images below to ensure nothing is missing or damaged.

When you have completed your inspection, install the player.

Blu-ray Player

Remote with Batteries

Quick Start Guide

Package Contents

Connecting the Player to an Electrical Outlet

Your player must be connected to a power source in order to work. Connect the power cord to an electrical outlet as shown below:

Connecting Power Cord
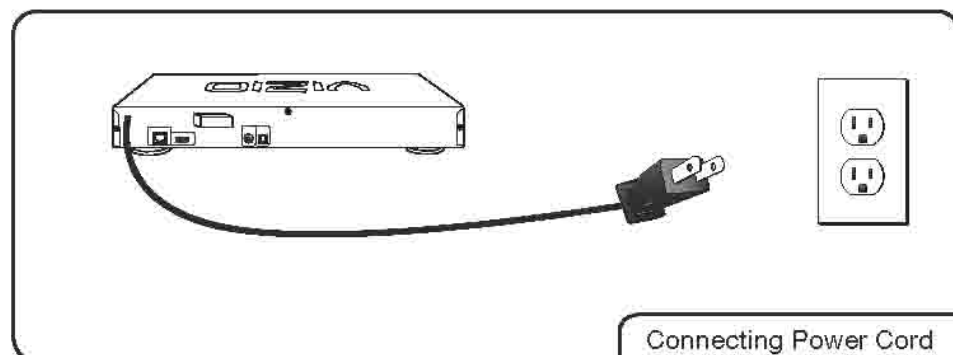
Connecting the Player to Your TV

Your Blu-ray player is easily connected to your TV. Before you begin the installation, ensure your TV has an available HDMI port.

HDMI

HDMI

HDMI Cable

Connecting the Blu-ray
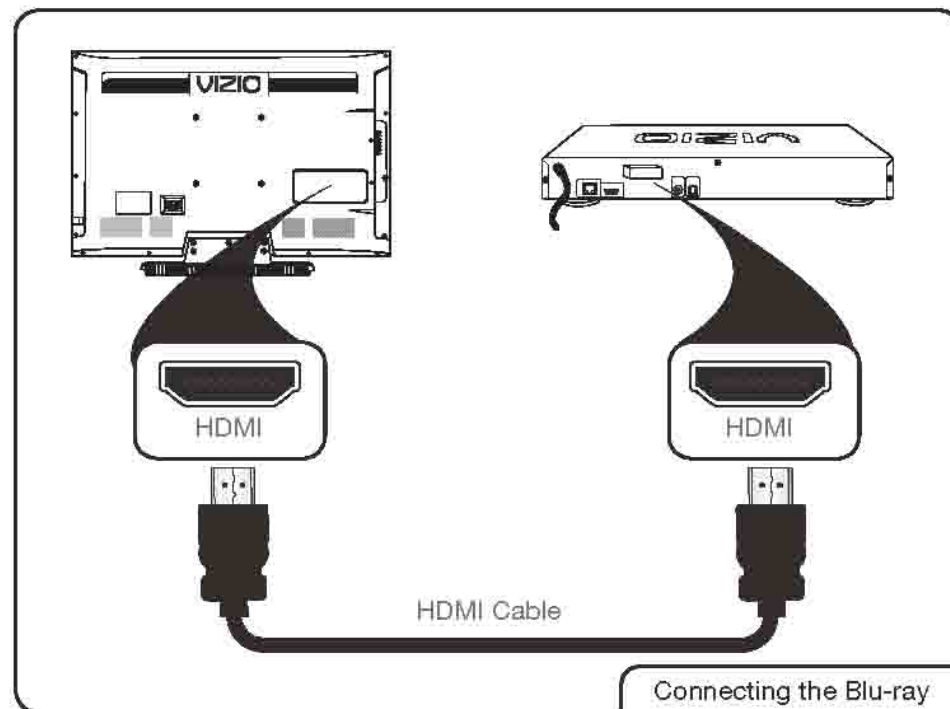
To connect the player to the TV:

1. Ensure both the TV and the player are off.

2. Connect the player and the TV using an HDMI cable (sold separately). Ensure each end of the cable is securely connected.

3. Turn the TV on.

4. Turn the player on by pressing the Power button on the remote, or by touching the Power control on the front of the player.

5. When you are ready to use the player, set the TV's input to the proper HDMI input. (Devices differ; see your TV's user manual for details on how to change the input source.)

Connecting the Player to Your Home Audio System

Your player has two digital audio ports: coaxial and optical. If your home audio system is equipped with one of these ports, you can connect it to your player so you can enjoy theater-style surround sound.

⚠ Remember: You still need to connect the player to your television to view video. See *Connecting the Player to Your TV* on page 4.
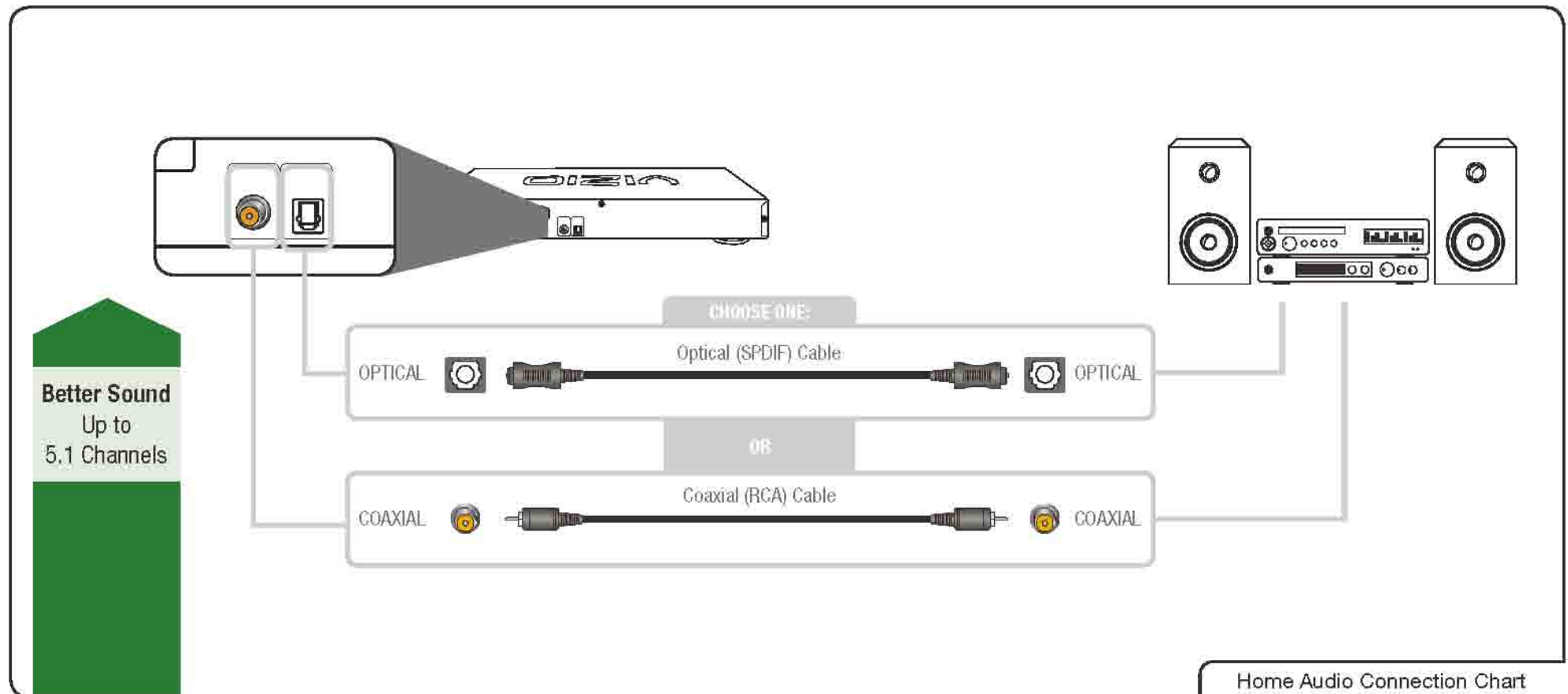
To connect the player to your home audio system:

1. Ensure both your home audio system and the player are off.

2. Connect the player to the home audio system. Use the best available connection. See the *Home Audio Connection Chart* below.

3. Turn the player on by pressing the **Power** button on the remote, or by touching the **Power** control on the front of the player.

4. Turn your home audio system on.

5. When you are ready to use the player, set your home audio system's input to the player's connection. (Devices differ; see your audio system's user manual for details on how to change the input.)

If the player is correctly connected, you will hear audio from your home audio system speakers when a disc is played.

💡 For best quality sound, connect your player to your home audio system using an HDMI cable. See the next page for instructions.

Better Sound Up to 5.1 Channels

CHOOSE ONE:

Optical (SPDIF) Cable
OPTICAL — OPTICAL

OR

Coaxial (RCA) Cable
COAXIAL — COAXIAL

Home Audio Connection Chart

2

Connecting the Player to Your TV and Home Audio System with HDMI
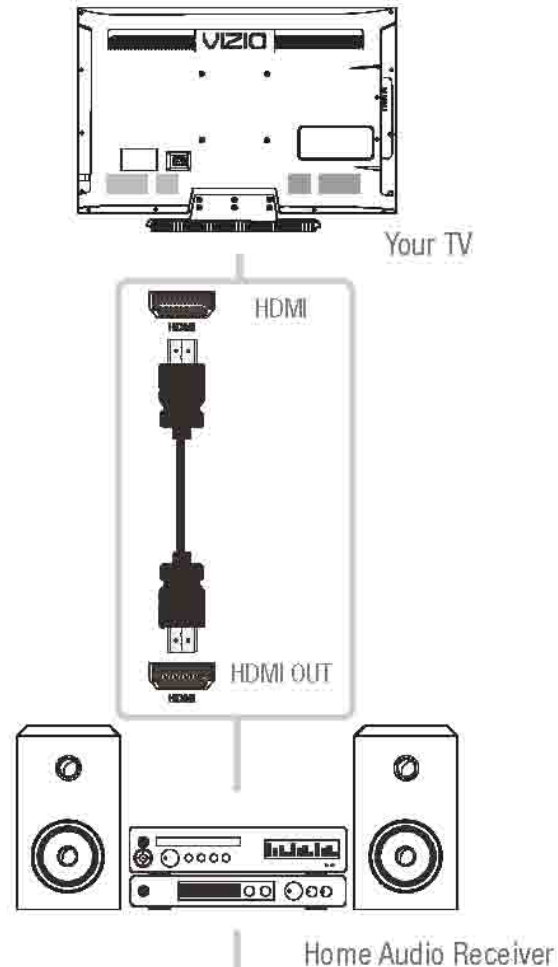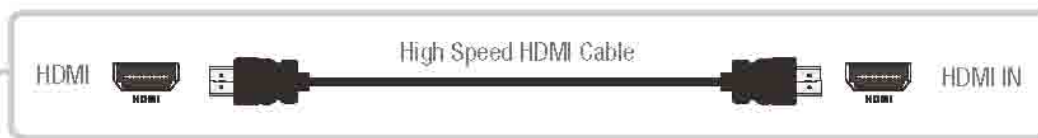
Your player can output high-definition digital audio via the HDMI port, enabling you enjoy up of 7.1 channels of surround sound using your home audio system.

To connect the player to your home audio system with HDMI:

1. Ensure both your home audio system and the player are off.

2. Connect the player to the home audio system and TV as shown in the the HDMI Connection Chart below.

3. Turn the player on by pressing the **Power** button on the remote, or by touching the **Power** control on the front of the player.

4. Turn your TV and home audio system on.

5. When you are ready to use the player, set your home audio system's input to the player's connection. Set your TV's input to the proper HDMI connection.

Your TV

HDMI

HDMI OUT

VIZIO Blu-ray Player

Home Audio Receiver
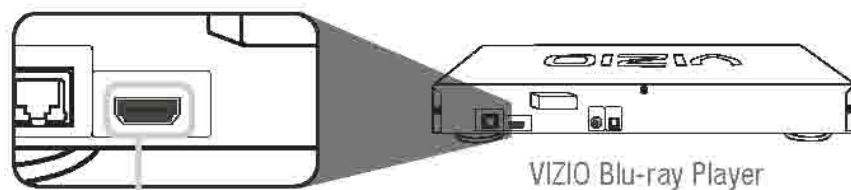
Best Sound and Video
Up to
7.1 Channels

High Speed HDMI Cable

HDMI

HDMI IN

HDMI Connection Chart

Setting Up Your Network Connection

Your player is network-ready, and can be connected to your home network using the RJ45 (ethernet) connector on the back panel

Once you have connected to your home network and the Internet, you can use Internet Apps to deliver popular online content to your player.

> For the most reliable network performance, a wired connection is recommended.

> Ethernet cables are available from many retailers in lengths of up to 50 feet.

Connecting to A Wired Network

To connect to a wired network:

1. Ensure you have:
   - An ethernet cable long enough to connect the player to your router or modem
   - A router or modem with an available ethernet port
   - A high-speed internet connection

2. Connect your ethernet cable to the router and to the ethernet port on the back of the TV.

3. Turn on the player and your TV. The player detects the ethernet connection.

Router / Modem

VIZIO Blu-ray Player

Ethernet Cable

Setting Up Your Network Connection
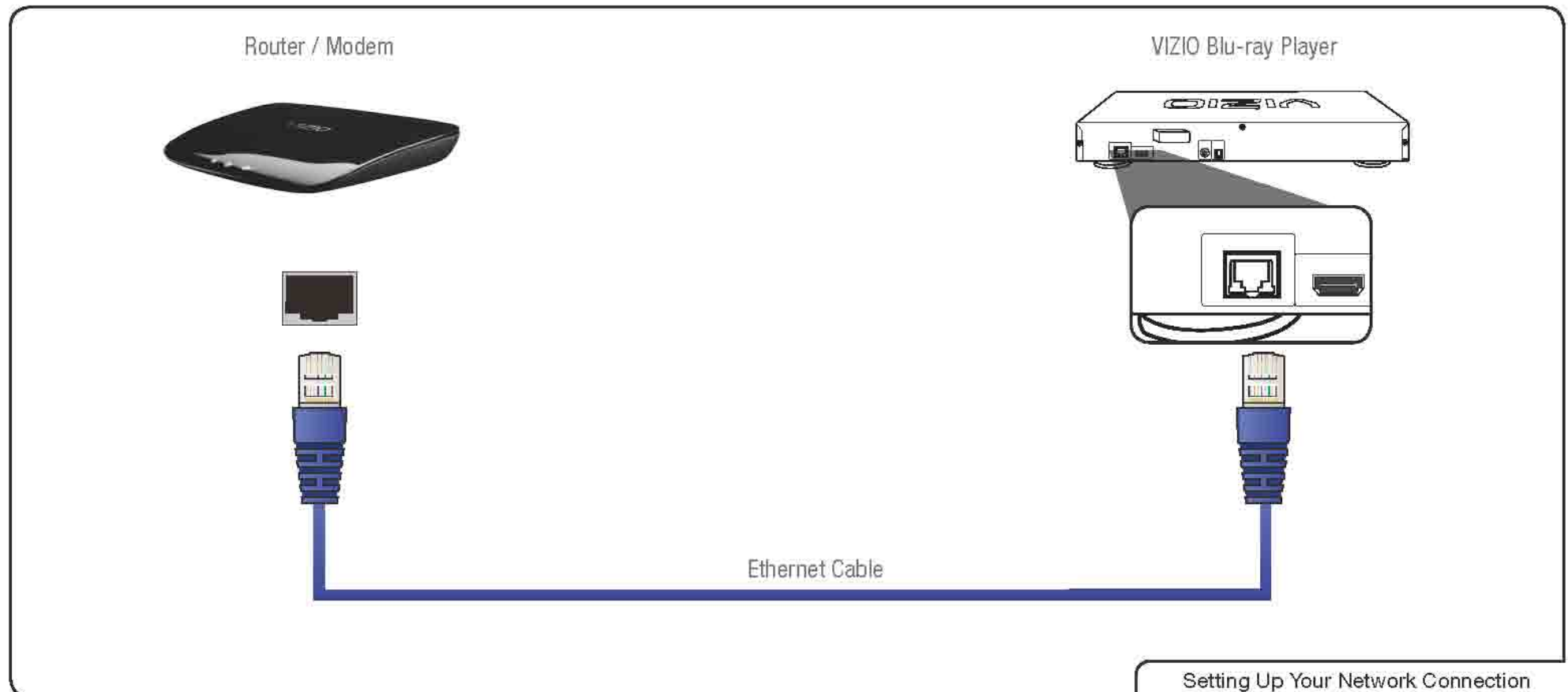
Connecting to a Wireless Network

⚠ Be sure there is no Ethernet cable connected to the Blu-ray Player.

To connect to a wireless network:

1. Ensure you have:
   - A router broadcasting a high-speed wireless signal (802.11n recommended)
   - A high-speed internet connection

2. Press the **Power** button on the remote to turn the player on. Turn the TV on and and select the input to which the Blu-ray player is connected.

3. Use the **Left/Right Arrow** buttons on the remote to highlight **Settings**, then press **OK**.

4. Use the **Left/Right Arrow** buttons on the remote to highlight **Network**. A drop-down menu appears.

5. Use the **Up/Down Arrow** buttons on the remote to highlight **Wireless**, then press **OK**.

6. Use the **Up/Down Arrow** buttons on the remote to highlight **Network List**, then press **OK**. The Network List window is displayed.

7. Highlight your network name, then press **OK**.

8. If your network is password-protected, enter your password using the buttons on the remote, then select **Done**.

9. When finished, highlight **Connect** and press **OK**. Your player is connected to the network.

Connecting to a Wireless Network with WiFi Protected Setup (WPS)

⚠ Be sure there is no Ethernet cable connected to the Blu-ray Player.

Wi-Fi Protected Setup is an easy way to connect the Player to your home wireless network.

To connect using WPS:

1. Ensure you have:
   - A router with a WPS button, broadcasting a high-speed wireless signal (802.11n recommended)
   - A high-speed internet connection

2. Press the **Power** button on the remote to turn the player on. Turn the TV on and and select the input to which the Blu-ray player is connected.

3. Use the **Left/Right Arrow** buttons on the remote to highlight **Settings**, then press **OK**.

4. Use the **Left/Right Arrow** buttons on the remote to highlight **Network**. A drop-down menu appears.

5. Use the **Up/Down Arrow** buttons on the remote to highlight **Wireless**, then press **OK**.

6. Use the **Up/Down Arrow** buttons on the remote to highlight **WiFi Protected Setup (WPS)**, then press **OK**.

7. Press the WiFi Protected Setup button on your router. The Player is detected and connected to your home network.

In this chapter, you will learn how to:

- Navigate the On-Screen Menu
- Play a Disc
- View USB Media

Navigating the On-Screen Menu

Use **Arrow** and **OK** Buttons

On-Screen Menu

To highlight an icon or menu setting, press the **Arrow** buttons on the remote. The highlighted icon or menu setting will glow light blue.

To select an icon or menu setting, highlight the icon or menu setting and press **OK** button on the remote.

To go back to a previous screen, press the **RETURN** button.

Playing a Disc

Your player can play several kinds of discs. Use this table to ensure your disc is compatible with the player:

Type of Disc	Logo
Blu-ray	
DVD Video	
Audio CD	
DVD-R DVD+R	
DVD-RW DVD+RW	

To play a disc:

1. Press the **Eject** button on the remote or touch the **Eject** control on the front of the player.

   The disc tray opens.

2. Insert your disc. Place the disc, label side up, into the disc tray.
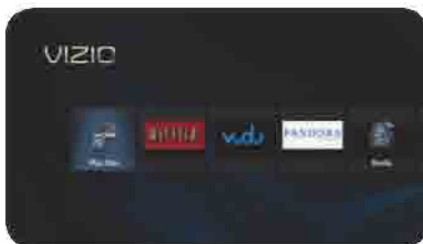
3. Press the **Eject** button on the remote or touch the **Eject** control on the front of the player.

   The disc tray closes.

4. Using the **Arrow** buttons on the remote, highlight **Play Disc** and press **SELECT**.

   The disc plays.

Basic Playback Functions

When playing a disc, you can use buttons on the remote to manipulate the playback in several ways:

Basic Playback Buttons

Previous: Skip to last chapter or track.

Next: Skip to next chapter or track.

Rewind: Reverse playback. Press repeatedly to increase the speed. Speeds are x2, x4, x8, x16, x32, x64, and x128. Press **Play/Pause** to resume normal playback.
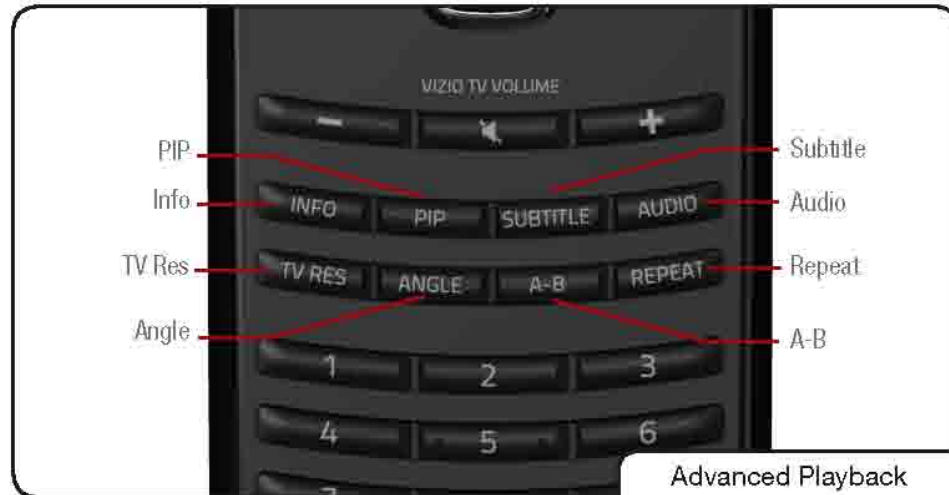
Play/Pause: Pause playback. Press again to resume normal playback.

Fast Forward: Increase speed of playback. Press repeatedly to increase the speed. Speeds are x2, x4, x8, x16, x32, x64, and x128. Press **Play/Pause** to resume normal playback.

Stop: Halt playback.

Advanced Playback Functions

Your player also features advanced playback functions.

Advanced Playback

PIP: Enable picture-in-picture (Supported discs only.)

Info: Display the Info Bar. Press again to close the Info Bar.

TV Res: Change the output resolution. Press repeatedly to cycle through available resolutions.

Angle: Some video discs are recorded using multiple camera angles. Press to change viewing angle. (Supported discs only.)

Subtitle: Open subtitle menu. Press again to close. See *Changing the Subtitle Language* on page 20. (Supported discs only.)

Audio: Open audio menu. Press again to close. See *Adjusting the Audio Settings* on page 17. (Supported discs only.)

A-B: Loop a segment of audio or video. Press at the beginning of the desired segment, and again at the end. Segment will loop until the **REPEAT** button is pressed. (Supported discs only.)

Repeat: Change repeat mode (Supported discs only):
- **All** - Repeat all tracks in order.
- **Random** - Repeat all tracks randomly.
- **Track** - Repeat the currently playing track.
- **Off** - Resume normal playback.

Viewing BD-Live Content

Your player can access special content from discs that support BD-Live. This special content varies, but sometimes includes games, movie trailers, and director commentaries.

To use BD-Live, you need:
- A working internet connection. See *Setting Up Your Network Connection* on page 7.
- A Blu-ray disc that contains BD-Live content.
- A USB thumb drive with 1GB of available memory connected to the player's USB port.

For more details on viewing BD-Live content, see *Changing the BD-Live Settings* on page 21.

Viewing USB Media - Video and Audio

Your player features a USB port where you can connect and share a USB thumb drive containing your photos and music.

The player supports the following file types:

Media Type	File Types
Audio	.mp3 .aac
Images	.jpeg .png

Playing USB Photos and Audio

To play USB media, you must first save your music or images onto a USB thumb drive.

Remember:

- The USB thumb drive must be formatted as FAT32.
- Files on the USB thumb drive must end in a supported file extension (.mp3, .jpg, etc).
- The player will not play media from external hard drives or mp3 players.

To play your USB media:

1. Turn the player off. Connect your USB thumb drive to the USB port on the front of the player.

2. Press the **Power** button on the remote or press the **Power** button on the front of the player to turn it on.

Power

Power

3. Use the **Arrow** buttons on the remote to highlight **Media**, then press **SELECT**.
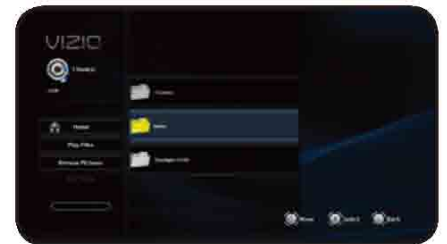
4. Use the **Up/Down Arrow** buttons to highlight the media type you want to play, then press **SELECT**.

5. Use the **Arrow** and **SELECT** buttons on the remote to locate your media file in the file browser.
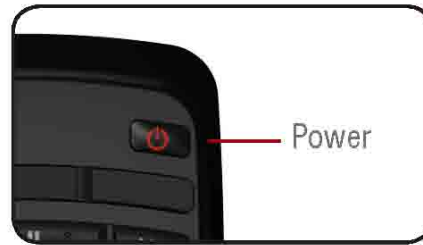
   Highlight the file and press **SELECT**.

   The media file begins to play.

⚠ Do not remove the USB thumb drive while the player is on. Doing so may damage the drive.
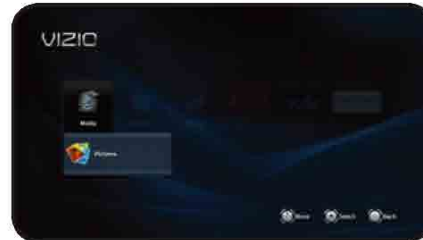

3. Press the **Power** button on the remote or press the **Power** button on the front of the player to turn it on.

4. Use the **Arrow** buttons on the remote to highlight **Media**, then press **SELECT**.

5. Use the **Up/Down Arrow** buttons to highlight **Pictures**, then press **SELECT**.

6. Use the **Arrow** and **SELECT** buttons on the remote to locate your photo folder in the file browser.

   Highlight **Start Slide Show** and press **SELECT**. The slide show begins to play.

Adjusting the Slide Show Settings

The slide show settings can be adjusted to make your presentations more exciting.

To adjust the settings:

1. Highlight **Settings** in the Pictures file browser screen and press **SELECT**.

2. Adjust the settings:
   - **Slide Show Effects** - Change the transition between slides. Choose from **Horizontal Scroll**, **Fade, Shutter**, and **None**.
   - **Slide Show Delay** - This setting adjusts the amount of time each slide is displayed. Choose from **1**, **2**, **5**, **10**, **15**, and **30** seconds. If you want no delay between slides, choose **No Delay**.

3. When you have adjusted the settings, highlight **OK** and press **SELECT**. The Settings menu closes.

4. Start your slide show by highlighting **Start Slide Show** and press **SELECT**.

Your player is preset to work with most setups out of the box, but if you would like to adjust any of the player's settings, you can use the on-screen menu to do so. The Settings menu is divided into these parts:

- Display
- Audio
- Language
- BD-Live
- Quick Setup
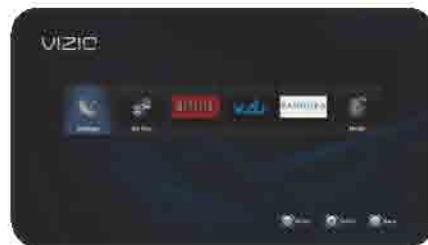- Parental
- System
- Network
- Info

Adjusting the Display Settings

From the Display menu, you can adjust the way the player displays your video.

To access the Display menu:

1. Turn on the player and your TV. Use the **Arrow** buttons on the remote to highlight **Settings** and press **OK**.

   The Settings menu is displayed.

2. Use the **Arrow** buttons on the remote to highlight **Display** and press **OK**.

   The Display drop-down menu is displayed. Your current settings are displayed to the right of each menu option.

Changing the Display Resolution

For the best viewing experience, you should adjust the player's settings so that it outputs video in a resolution supported by your TV.

To change the display resolution:

1. From the Display menu, use the **Up/ Down Arrow** buttons on the remote to highlight **Resolution** and press **OK**.

   The Resolution menu is displayed.

2. Using the **Arrow** buttons, highlight the highest resolution your TV can display, then press **OK**.

   If your TV is connected to the player using HDMI, select **HDMI Auto**. The player will detect the best display resolution automatically.

⚠ If you choose a resolution unsupported by the your TV, you will see an error message. The resolution will revert to its previous setting.

⚠ Only HDMI connections can display 1080p video.

Adjusting the Aspect Ratio

If video displayed from the player appears distorted or otherwise incorrect, you may need to adjust the aspect ratio of the player to match that of your TV. (Devices differ; see your TV's user manual to determine its aspect ratio.)

To adjust the aspect ratio:

1. From the Display menu, use the Up/ Down Arrow buttons on the remote to highlight TV Aspect and press OK.

   The TV Aspect menu is displayed.

2. Highlight the aspect ratio that most closely matches that of your TV and press OK:

   - **16:9 Wide** - Use this setting if you have a "widescreen" television. When using this setting, video formatted in 4:3 will be stretched horizontally to fit the screen.

   - **16:9 Pillarbox** - Use this setting if you have a "widescreen" television. When using this setting, video formatted in 4:3 will be displayed in the center of the screen. Vertical bars will be displayed on the left and right edges of the picture.

   - **4:3 Pan and Scan** - Use this setting if you have a "traditional" screen (nearly square). When using this setting, movies in widescreen fomat will be centered and the left and right edges of the picture may be cut off.

   - **4:3 Letterbox** - Use this setting if you have a "traditional" screen (nearly square). When using this setting, movies in widescreen fomat will be fully displayed, with black bars on the top and bottom of the picture.

Activating Film Mode

Movies are recorded on film at a rate of 24 pictures, or frames, per second. Many of the movies on Blu-ray discs are formatted at this frame rate (24 frames/second). However, not all TVs can display this format.

If the player is connected to your TV via HDMI and is capable of displaying 24 frames/second, you can activate Film Mode for a better viewing experience.

To activate/deactivate Film Mode:

1. From the Display menu, use the Up/ Down Arrow buttons on the remote to highlight Film Mode and press OK.
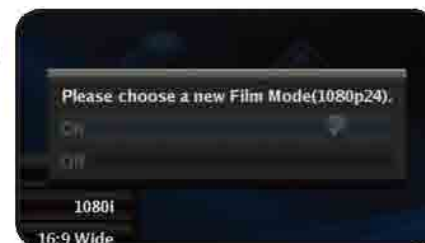
   The Film Mode menu is displayed.

2. Highlight On or Off and press OK.

Adjusting the Deep Color Setting

The player is capable of outputting 36-bit color over HDMI. For the best viewing experience, the deep color setting should be adjusted to match your TVs display capabilities.

To adjust the Deep Color setting:

1. From the Display menu, use the Up/ Down Arrow buttons on the remote to highlight Deep Color and press OK.
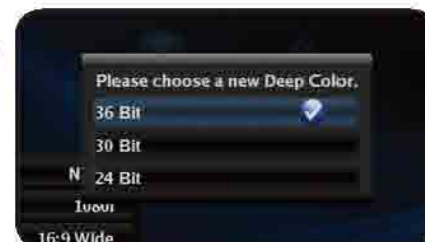
   The Deep Color menu is displayed.

2. Highlight the highest color setting that your TV can display. (Devices differ; see your TV's user manual for details.)