INSIGNIA™

User Guide

NS-32E859A11/NS-42E859A11

Thank You

Congratulations on your purchase of a high-quality connected Insignia product. Your NS-32E859A11 or NS-42E859A11 represents the start of the art in LED connected TV design. We have created an experience that is easy to use, easy to connect, and easy to find.

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Safety Information

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CHILD SAFETY
It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.

CEA
Consumer Electronics Association

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Important safety instructions

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

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 a 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.

S3125A

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.

15 The *mains plug* is the disconnecting device. The plug must remain readily operable.

16 The apparatus with grounding-type plug is a class I apparatus. Class I apparatus need to be connected to earth ground wire to prevent possible electric shock. Make sure that you connect the class I apparatus to a mains socket outlet with a protective earthing connection.

17 Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

18 The apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

• Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
• If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
• If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:
• When the power supply cord or plug is damaged or frayed.
• If liquid has been spilled or objects have fallen into your TV.
• If your TV has been exposed to rain or water.
• If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
• If your TV has been dropped or damaged in any way.
• When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
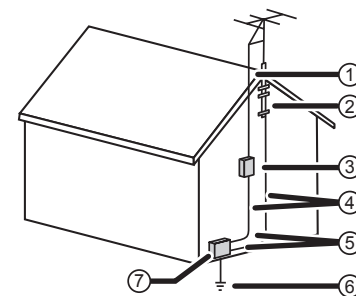
①	Antenna lead-in wire
②	Grounding clamp
③	Antenna discharge unit
④	Grounding conductors
⑤	Ground clamps
⑥	Power service grounding electrode system
⑦	Electric service equipment

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Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder. Disposal of this material may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

INSIGNIA™

Getting Started

Introduction

Congratulations on your purchase of a high-quality connected Insignia product. Your NS-32E859A11 or NS-42E859A11 represents the start of the art in LED connected TV design. We have created an experience that is easy to use, easy to connect, and easy to find.

Easy to use

TiVo DESIGN™

The only TV that combines the power of the Internet with the legendary TiVo user interface, all in stunning HD. You'll find entertainment from both broadcast TV and the Internet with just a few clicks of your remote control. Now get what you want, when you want it.

- **Award-winning TiVo experience:** Easily access all your favorite TV shows, movies and more with the easy to use TiVo user interface.
- **Intelligent Search:** Search by title, artist, director, keyword and more.
- **Access to the best Internet entertainment:** Enjoy movies from Netflix and CinemaNow, music from Pandora and Napster, and much more.
- **Future-proof:** New software features, updates, and enhancements download automatically.
- **Broadband connected:** Delivers a plethora of new entertainment choices including TV, Movies, and Music.

Two-year limited warranty

Feel confident in the quality of Insignia TV parts and assembly. Gain peace of mind knowing that you are not only getting the best picture possible but are safeguarded against any unforeseen service and repairs by an industry leading two-year limited manufacturer warranty.

Game mode

Video games generally require adjustments to the television picture settings to get the maximum experience. By simply pressing the **GAME** button on the front of your TV, your TV settings will automatically adjust for video games. It couldn't be easier.

Insignia Motion 120Hz

With a 120Hz screen, a screen with 1,080 lines of resolution progressively scanned, and special motion-detection technology, you will be experiencing a picture with clearer detail, brightness, smoother transitions, judder-free and reduced motion blurring, particularly when watching fast-motion sports and action scenes. (See page 42 for instructions on how to adjust the TV picture.)

AUDYSSEY Dynamic Volume plus Dynamic EQ

Have you ever caught yourself wishing that you didn't constantly need to adjust the volume: wishing that the commercials wouldn't blare and that you could better hear whispering during a movie scene? Audyssey Dynamic Volume is a feature that lets you put the remote control down and enjoy your show while Audyssey adjusts the sound levels for you automatically. Audyssey Dynamic EQ is a feature that automatically finds the richest sound settings-including enhanced bass-for each scene, even when the volume level is held steady, making the sound coming from your TV speakers sound more lifelike. (See page 48 for instructions on how to adjust the audio settings to take advantage of Audyssey.)

SRS TruSurround HD

At Insignia, providing you with superior audio quality is just as important as exceptional picture quality. That's why we added SRS TruSurround HD, which provides you with a theater-like surround-sound experience, with the clearer dialog and the enhanced bass sounds that movie viewers and gamers crave.

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Easy to connect

WiFi

Connect your TV wirelessly to the Internet. By connecting your TV to the Internet you can enjoy all your TV has to offer! Access Internet content through the Internet applications that came with your TV. New and exciting applications are continually being added to your TV.

No additional adapter required. The WiFi feature is built-in.

Z-Wave

Setting up a universal remote can be difficult. With the two way radio frequency (RF) Z-Wave functionality built in, we have made it easy to use your Insignia remote to control all your home theater devices. Follow the on-screen guide, it couldn't be easier. (See "Setting up your Z-Wave remote control" on page 108 for instructions on how to do this).

Rocketboost™ Wireless Card Ready

Installing a Rocketboost ™ Wireless Card (card sold separately) lets this product send and receive wireless audio with your other Rocketboost™ products. For example, you can listen to TV audio with Rocketboost wireless headphones.

What is Rocketboost™?

Rocketboost™ is expandable wireless digital audio.

- Products with Rocketboost™ technology let you easily expand your listening experience throughout your home.
- Rocketboost™ does not interfere with other wireless products in your home.
- Rocketboost™ is uncompressed digital audio compatible with all audio formats such as Dolby, TrueHD, and DTS-HD Master Audio used with Blu-ray.

When you see the Rocketboost™ logo on any product, it has been designed to work with other Rocketboost™ products, no matter who manufactures them. (See page 51 for instructions on how to set up a Rocketboost Wireless Card.)

Easy to find

Note
Please connect to the internet to download the latest software to allow use of these features.

TiVo Search

You can search for specific shows by title or actor name, or you can discover new shows recommended for you.

- **Searching by title or actor name:** TiVo Search lets you search content, so you're always sure to find something great to watch. Just enter a search term, and you'll see results for shows available from video-on-demand providers.

  On the search screen, enter a few letters of your search term (title or actor's name). Select a show title or actor's name from the results list to see more details.

CinemaNow

With CinemaNow on your TV, you can rent some of your favorites from the comfort of your couch. All you need is your Insignia remote. Once you have a CinemaNow account from CinemaNow.com, grab some popcorn and enjoy the show. (See page 40 for instructions on how to register with CinemaNow.)

Netflix

With Netflix on your TV, if you have a Netflix unlimited plan, you can instantly watch thousands of movies and TV episodes streamed from Netflix to your TV. Just add shows to your Netflix Instant Queue, and start watching. (See page 40 for instructions on how to register with Netflix.)

Pandora

Pandora on your TV lets you choose exactly the music you want to hear and creates personal Internet radio stations that play it for you. Just enter a song title or band name that represents the kind of music you want to hear, and Pandora will start a unique "Pandora station" that plays music similar to it. Add variety by entering other titles and bands to your station, and even more variety by creating multiple Pandora stations (up to 100!). (See page 41 for instructions on how to register with Pandora.)

Napster

Listen to what you want, when you want with Napster, the ultimate online jukebox. Access instantly your choice of over 11 million songs—anytime, anywhere. Kick back with ad-free radio stations, recommendations, and Billboard® charts back to 1955. Create your own playlists for a customized listening experience.

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Installing the stand or wall-mount bracket

To set your TV on a cabinet or other flat surface, you must install the stand.

To mount your TV on a wall or other vertical surface, you must remove the stand.

Warning
Make sure that you unplug the power cord before you install or remove the stand.

Warning
Read these instructions carefully before you try to install the stand or a wall-mount bracket.
If you are not sure you can install the stand or wall-mount bracket, consult a professional installer or service personnel. Your warranty does not cover damages or injuries that happen due to mishandling or incorrect assembly.
When installing the stand or wall-mount bracket, make sure that you place your TV on a soft cushion or covering to prevent scratching or damage to your TV's finish or screen.

Installing the stand

To install the stand:

1   Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.

2   Attach the stand neck to the base and secure it with four M4 × L17 mm screws (provided).
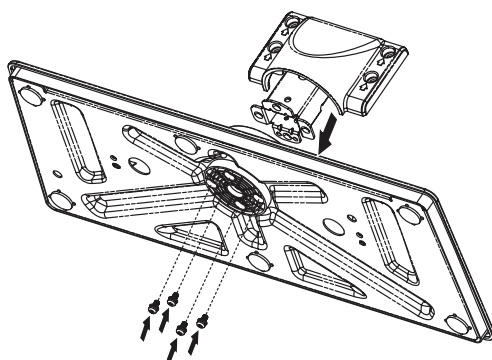
3   Align the stand on the TV base, then insert the metal tabs on the stand into the designated slots on the TV base.

4   Secure the stand with four M4 × L17 mm screws (provided).
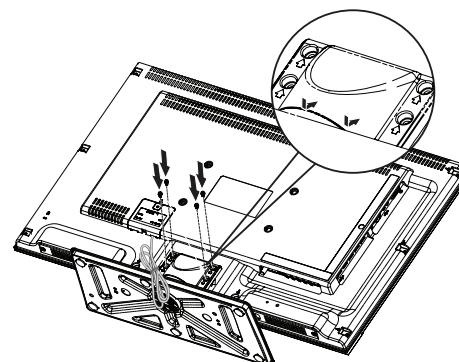
Caution
Make sure that you use all the screws provided for the stand assembly.

Installing a wall-mount bracket

To install a wall-mount bracket:

1   Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.

2   Secure the wall mount bracket to the TV using these four screws or those provided with the bracket.
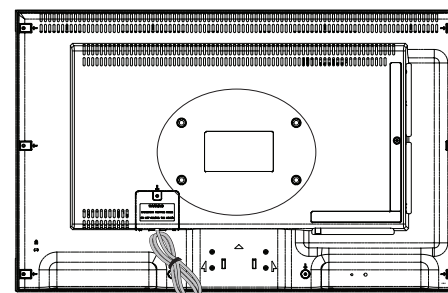
Model	Vesa mount pattern (H x V)
NS-32E859A11	200 x 100 mm
NS-42E859A11	200 x 200 mm

Did you know?

Init Products offer quality stands and mounts, perfect for your new TV.
Visit the Best Buy store nearest you to see a wide assortment of television accessories.

INSIĠNIA™

Installing a Kensington lock

A Kensington lock (not provided) is a device used to physically secure your TV when it is used in a public place.

To install a Kensington lock:

1 Insert the locking device into the Kensington slot on the TV.

2 Turn the device in the locking direction.
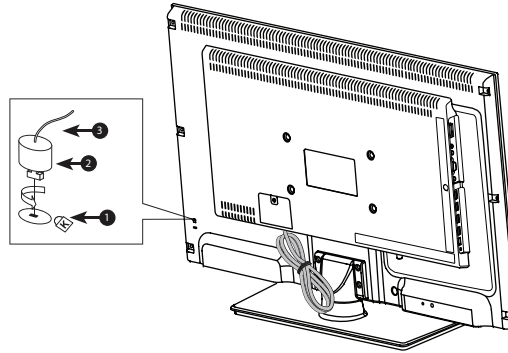
3 Connect the Kensington lock cable.

4 Secure the Kensington lock to a desk or a heavy stationary object.

Caution
The appearance of the lock and the locking direction may vary depending on the lock manufacturer. See the documentation that came with the lock.

TV components

Accessories

Make sure that the following accessories are provided in the packaging:

- TV stand with screws
- Universal remote control with AA batteries (2)
- Component video cable
- Audio cable
- Cleaning cloth
- *Quick Setup Guide*

Note
The cleaning cloth is for cleaning the TV screen only. Do not use the cleaning cloth to clean any other part of your TV.

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Front

Side
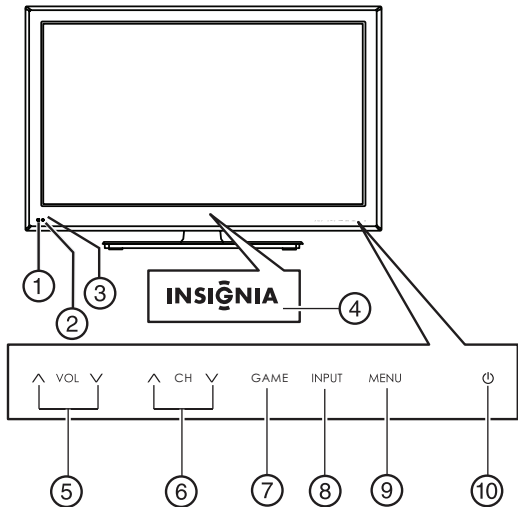
#	Button	Description
1	Remote control sensor	Receives signals from the remote control. Do not block.
2	Ambient light sensor	Detects the ambient light conditions to optimize the picture brightness for optimum viewing and provides energy savings.
3	Power indicator	Lights blue when your TV is turned on. Depending on the TV power on mode you select, lights red or purple when your TV is in standby mode. For more information, see "Setting the TV power on mode" on page 93.
4	INSIGNIA logo	Lights when the logo feature is turned on. For more information, see "Adjusting the INSIGNIA logo brightness" on page 92.
5	VOL ∨/VOL ∧	Press to decrease or increase the volume.
6	CH ∨/CH ∧	Press to go to the previous or next channel. For more information, see "Selecting a channel" on page 37.
7	GAME	Press to use the Game mode feature for optimal performance while playing games.
8	INPUT	Press to open input source list. For more information, see "Selecting the video input source" on page 35.
9	MENU	Press to open the on-screen menu. Press again to close the menu.
10	⏻ (power)	Press to turn on your TV. Press again to put your TV in standby mode. When your TV is in standby mode, power still flows through it. To completely disconnect power, unplug the power cord.
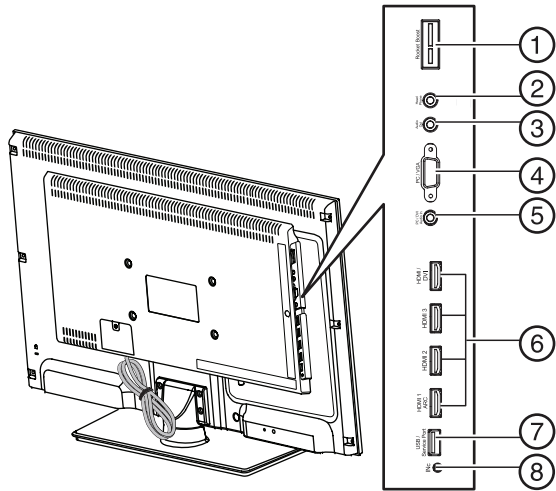
#	Jack	Description
1	Rocketboost	Insert a Rocketboost Wireless card (RF-RBCARD, sold seperately) to wirelessly connect Rocketboost audio products to your TV. For more information, see "Setting up Rocketboost™" on page 51.
2	Headphone	Connect headphones to this jack. For more information, see "Connecting headphones" on page 25.
3	Audio Out	Connect an analog sound system to this jack to send the TV audio through the sound system. See "Connecting an analog audio receiver" on page 26.
4	PC/VGA	Connect the video for a computer to this jack. For more information, see "Connecting a computer" on page 24.
5	PC/DVI Audio In	Connect the audio for a computer or DVI device to this jack. For more information, see "Connecting a computer" on page 24 or "Connecting a DVI device" on page 21.
6	HDMI jacks	Connect HDMI devices to these jacks. An HDMI cable carries both video and sound. You do not need to make an audio connection for an HDMI device. For more information, see "Connecting an HDMI device" on page 20.
7	USB/Service Port	For service only. Do not use.
8	INc	Connect a device that has RS232 controls, such as a connected soundbar. By doing this your TV remote control will be able to control the soundbar's volume.

Back

#	Jack	Description
①	ANT/CABLE IN	Connect an antenna, cable TV (without a cable box), or a satellite TV box to this jack. For more information, see "Connecting an antenna or cable TV without a cable box" on page 18.
②	ETHERNET	Connect an Ethernet cable to this jack to connect your TV to the Internet. For more information, see "Connecting your TV to your home network" on page 26.
③	COMPONENT/AV-IN	Connect the video for a component video device to these jacks, or connect the video for a composite video device to the **Y/Video** jack. For more information, see "Connecting a component video device" on page 22, "Connecting a composite video device" on page 23, or "Connecting a camcorder, game, or VCR" on page 23.
④	L/R (audio in)	Connect the audio for a component video device connected to the **Y/Video/P$_B$/P$_R$** jacks or a composite video device connected to the **Y/Video** jack. For more information, see "Connecting a component video device" on page 22, "Connecting a composite video device" on page 23, or "Connecting a camcorder, game, or VCR" on page 23.
⑤	SPDIF	Connect a digital sound system to this jack to send the TV audio through the sound system. For more information, see "Connecting a digital audio receiver" on page 25.

Remote control

#	Button	Description
1	⏻ (power)	Press to turn your TV on or off.
2	DVD	Press to control a DVD player. You must program the remote control before this button works. For more information, see "Programming your universal Insignia remote control" on page 29.
3	TV	Press to put the remote in TV mode.
4	APPS	Press to open the *Apps* bar.
5	TiVo	Press to open the *Home* menu.
6	GUIDE	Press to open the program guide. For more information, see "Displaying additional information" on page 37.
7	SELECT	Press to confirm selections or changes.
8	▲ ▼ ◄ ►	Press to move left, right, up, or down in on-screen menus.
9	ZOOM	Press to select the aspect ratio. For more information, see "Adjusting the video settings" on page 42.
10	EXIT	Press to close the on-screen menu.
11	☞ (thumbs down)	Press to decrease the thumbs rating by 1 thumb. In the channel list, press to remove a highlighted channel from the favorite list. In the on-screen keyboard, press to switch to lowercase letters.
12	VOL+/VOL−	Press to increase or decrease the volume.
13	FAV	Press to open the favorite channel list. For more information, see "Setting up the channel and favorite channel lists" on page 68 and "Viewing a favorite channel" on page 69.
14	MUTE	Press to mute the sound. Press again to restore the sound.
15	▶/SLOW	Press to enter slow motion playback in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29. Press to turn the video window on or off. For more information, see "Turning the video window on or off" on page 45.
16	↺ (replay)	Press to jump back eight seconds in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.

#	Button	Description
17	▌▌ (pause)	Press to pause playback in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.
18	◄◄ (fast-reverse)	Press to fast-reverse in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.
19	■ (stop)	Press to stop playback in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information,see "Programming your universal Insignia remote control" on page 29.
20	► (play)	Press to start playback in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.
21	CLEAR	Press to clear character input in the on-screen keyboard.
22	AUDIO	Press to adjust the audio settings for **Audyssey Dynamic Volume**, **SRS TruSurround HD**, **Audio Only**, **Audio Return Channel (ARC)**, **Treble**, **Bass**, or **Balance**. For more information, see "Manually adjusting audio settings" on page 46.
23	PICT	Press to adjust the video settings. For more information, see "Adjusting the video settings" on page 42.
24	STB	Press to control a set-top box. You must program the remote control before this button works. For more information, see "Programming your universal Insignia remote control" on page 29.
25	AUX	Press to control auxiliary devices, such as amplifiers or receivers. You must program the remote control before this button works. For more information, see "Programming your universal Insignia remote control" on page 29.
26	INPUT	Press to open the input source list, then press ▲ or ▼ to cycle through the available input sources. For more information, see "Selecting the video input source" on page 35.
27	LIVE	In menu mode, press to return to full-screen video TV mode.
28	INFO	Press to display TV status information, such as the channel number, channel name (if available), or signal source. For more information, see "Displaying additional information" on page 37. In the channel list, press to rename the highlighted channel. For more information, see "Setting up the channel and favorite channel lists" on page 68.
29	MENU	Press to open the on-screen menu.
30	👍 (thumbs up)	Press to increase the thumbs rating by 1 thumb. In the channel list, press to add a highlighted channel to the favorite list. In the on-screen keyboard, press to switch to uppercase letters.

#	Button	Description
31	VOD	Press to access the VOD (video on demand) on-screen menu to watch video services offered through your connected TV, such as Netflix, CinemaNow, etc.
32	CH▲/CH▼	Press to change channels. For more information, see "Selecting a channel" on page 37.
33	LIST/DVR	Press to see the list of all the recorded programs in a DVR/STB that is set up with your remote control. You must program the remote control before this button works. For more information, see "Programming your universal Insignia remote control" on page 29.
34	LAST	Press to go to the last viewed channel in TV mode.
35	►►▌ (advance)	Press to jump forward to the next segment in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.
36	►► (fast-forward)	Press to fast-forward in TV VOD mode (watching Netflix and CinemaNow) or when using a DVD player or Blu-ray player. For more information, see "Programming your universal Insignia remote control" on page 29.
37	● (record)	Press to record a program. You need to program the remote control to work with your DVR. You must program the remote control before this button works. For more information, see "Programming your universal Insignia remote control" on page 29.
38	A B C D	Provides an enhanced interface for attached device (such as a DVR), Internet applications, and TiVo search features.
39	Numbers	Press to enter channel numbers, the parental control password, or characters. When programming the remote control, press to enter device and programming codes.
40	SLEEP/—	Press to enter a digital sub-channel number in Live TV mode. Press to set the sleep timer. You can select **Cancel**, **5**, **10**, **15**, **30**, **60**, **90** minutes and **2**, **3**, **4** hours. For more information, see "Setting the sleep timer" on page 81.
41	ENTER	Press to confirm selections or changes.
42	CC	Press to turn closed captioning on or off. For more information, see "Turning closed captioning on or off" on page 76.

Using the remote control

Making connections

Installing the remote control batteries

Connecting the power

To install the remote control batteries:

1 While pressing the release button on the battery compartment cover on the back of the remote, lift the cover off the remote.

To connect the power:
- Plug the power cord on back of your TV into a power outlet.
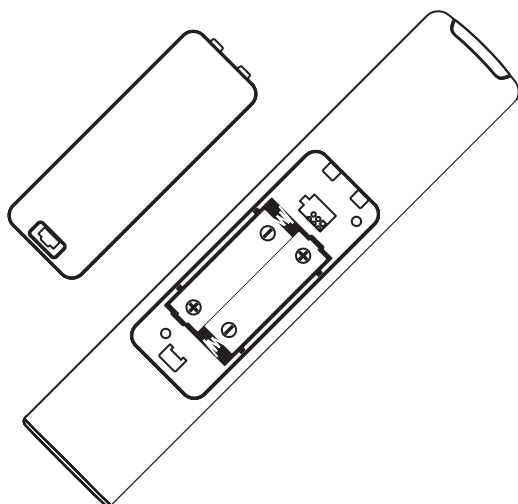
2 Insert two AA batteries into the battery compartment. Make sure that you match the + and – symbols on the batteries with the + and – symbols in the battery compartment.

3 Replace the battery cover.
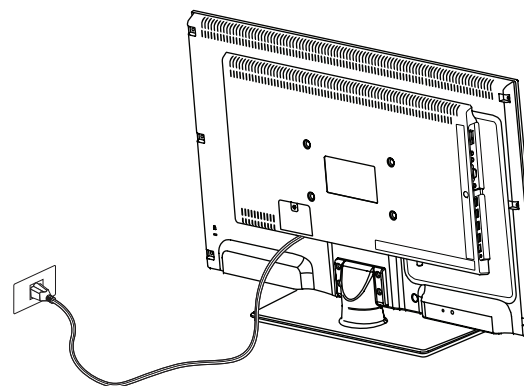
Cautions
• Make sure that you use the correct type of power. See the label on your TV. • If you do not intend to use your TV for an extended period of time, unplug the power cord from the power outlet.

Cautions
• Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire. • Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately. • Make sure that batteries are disposed of correctly. Do not burn or incinerate.

Did you know?
Insignia, Dynex, and Rocketfish offers a wide variety of cords and cables for connecting just about type of device to your new TV. Stop in a store nearest you or visit www.bestbuy.com

Connecting an antenna or cable TV without a cable box

To connect an antenna or cable TV without a cable box:

• Connect a coaxial cable (not provided) to the **ANT/CABLE IN** jack on the back of your TV and to the antenna or cable TV wall jack.
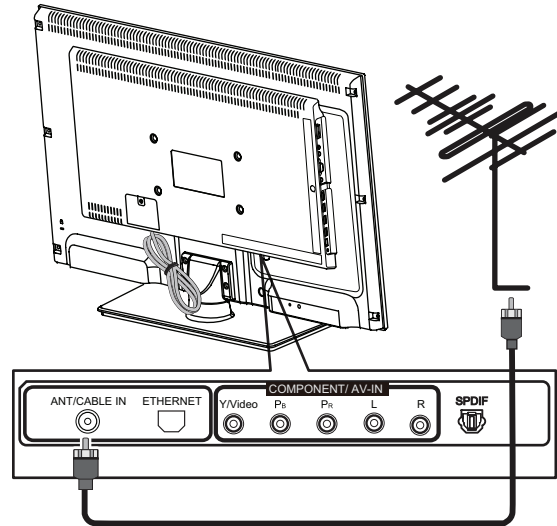
Cautions
• Use a 75 ohm cable to eliminate interference and noise from radio waves.   • Do not bundle the 75 ohm cable with the power cord or other cables.   • If the antenna is not installed correctly, contact qualified service personnel to correct the problem.

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Connecting a cable or satellite box

Many cable or satellite TV boxes have more than one connection type. To get the best video, you should use the best connection type available.

Connection type	Video quality
HDMI	Best
Component	Better than composite
Composite	Better than coaxial
Coaxial	Good

To connect a cable TV or satellite TV box:

1 Connect the incoming cable or satellite from the wall jack to the cable-in or satellite-in jack on the cable box or satellite box.

2 Depending on the jacks available on the cable or satellite TV box, connect a cable from the outgoing jacks on the cable or satellite TV box to the corresponding jacks on the back of your TV. The connection can be to an **HDMI** jack or the **COMPONENT/AV-IN (Y/PB/PR)** jacks.
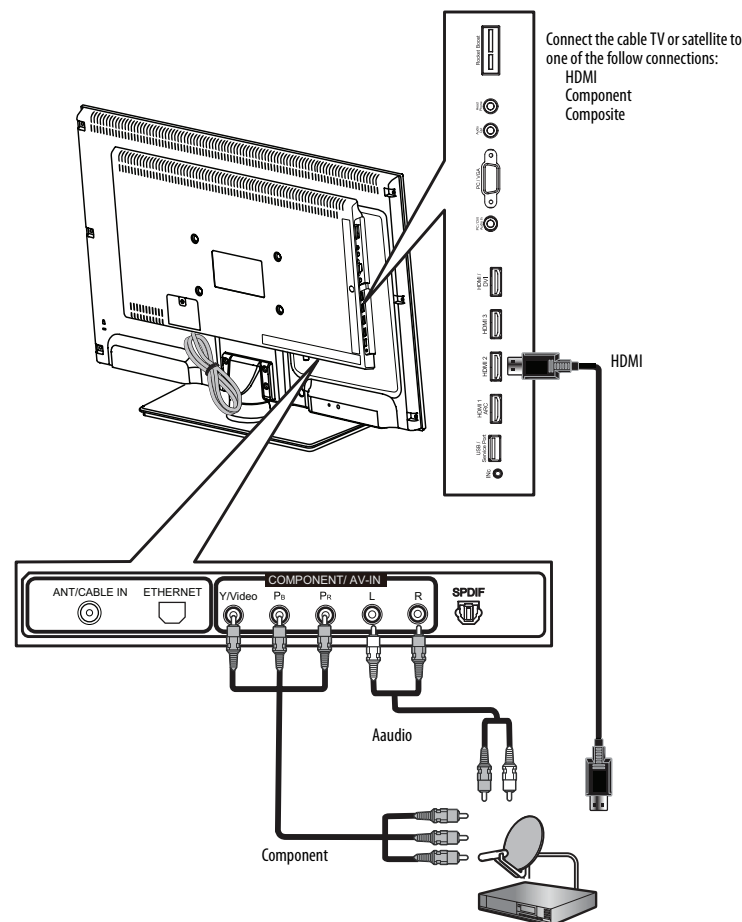
3 If you use the **COMPONENT/AV-IN (Y/P$_B$/P$_R$)** jacks, connect an audio cable (provided) to the **L** and **R** (audio in) jacks on the back of your TV.

4 Connect the other end of the audio cable to the audio out jack(s) on the cable or satellite box.

Note
• If the cable or satellite box does not have an HDMI or component connection, you can connect the cable or satellite to the composite jacks on the back of your TV. See "Connecting a composite video device" on page 23. • If the cable or satellite box does not have an HDMI, component, or composite connection, connect the box to the **ANT/CABLE IN** jack on the back of your TV. See "Connecting an antenna or cable TV without a cable box" on page 18.

Connecting an HDMI device

If your device has an HDMI connection, we recommend that you use the HDMI connection to get the best quality possible.

To connect an HDMI device:

1 Make sure that your TV's power cord is unplugged and the HDMI device is turned off.

2 Connect an HDMI cable (not provided) to the **HDMI 1**, **HDMI 2**, **HDMI 3**, or **HDMI/DVI** jack on the side of your TV and to the **HDMI OUT** jack on the HDMI device.

Side of TV
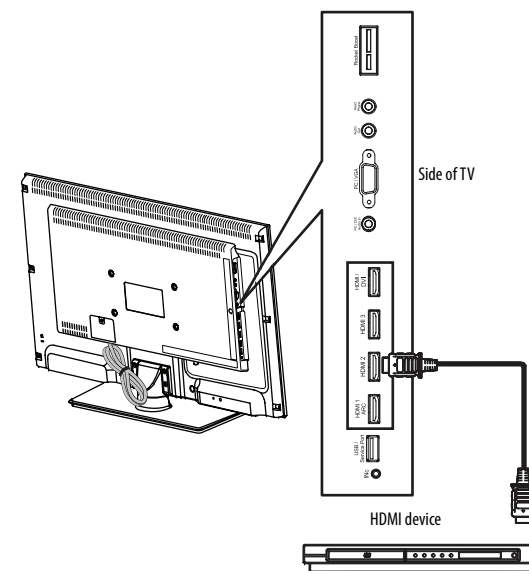
HDMI device

To play from an HDMI device:

1 Turn on your TV.

2 Turn on the HDMI device, then set it to the correct output mode. See the documentation that came with the device for more information.

3 Press **INPUT** to open the input source list.

4 Press ▲ or ▼ to highlight **HDMI 1**, **HDMI 2**, **HDMI 3**, or **HDMI 4**, then press **SELECT**.

Note
If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95.

Connecting a DVI device

> **Note**
>
> A DVI device must be connected to the **HDMI/DVI** jack. If you connect a DVI device to another HDMI jack, you will not hear audio.

To connect a DVI device:

1 Make sure that your TV's power cord is unplugged and the DVI device is turned off.

2 Connect an HDMI-DVI adapter (not provided) to one end of an HDMI cable (not provided), then connect the adapter to the **DVI OUT** jack on the DVI device.

DVI device

Side of TV

3 Connect the other end of the HDMI cable to the **HDMI/DVI** jack on the side of your TV.

4 Connect an audio cable to the **PC/DVI Audio In** jack on the side of your TV and to the **AUDIO OUT** jack on the DVI device.

To play from a DVI device:

1 Turn on your TV.

2 Turn on the DVI device, then set it to the correct output mode. See the documentation that came with the device for more information.

3 Press **INPUT** to open the input source list.

4 Press ▲ or ▼ to highlight **HDMI 4**, then press **SELECT**.

> **Note**
>
> If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95.

Connecting a component video device

To connect a component video device:

1 Make sure that your TV's power cord is unplugged and the component video device is turned off.

2 Connect a component video cable (provided) to the **COMPONENT/AV-IN** (**Y/PB/PR**) jacks on the back of your TV and to the **COMPONENT OUT** jacks on the component video device.
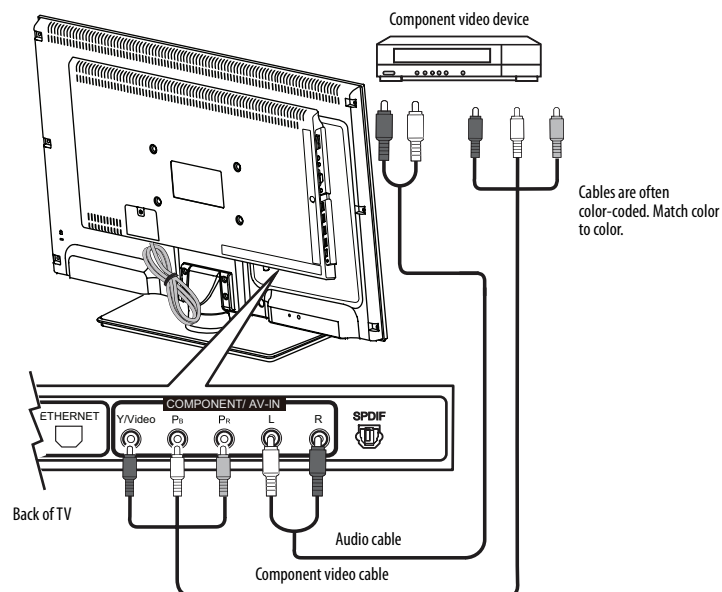
Component video device

Cables are often color-coded. Match color to color.

Back of TV

Audio cable

Component video cable

3 Connect an audio cable (provided) to the **L** and **R** (audio in) jacks on the back of your TV and to the **L** and **R AUDIO OUT** jacks on the component video device.

To play from the component video device:

1 Turn on your TV.

2 Turn on the component video device, then set it to the correct output mode. See the documentation that came with the device for more information.

3 Press **INPUT** to open the input source list.

4 Press ▲ or ▼ to highlight **Component/Composite**, then press **SELECT**.

Note
If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95.

Connecting a composite video device

To connect a composite video device:

1 Make sure that your TV's power cord is unplugged and the composite video device is turned off.

2 Connect an AV cable (not provided) to the **Y/Video** and **L** and **R** (audio in) jacks on the back of your TV and to the **AV OUT** jacks on the composite video device.

Composite video device

Cables are often color-coded. Match color to color.

AV cable
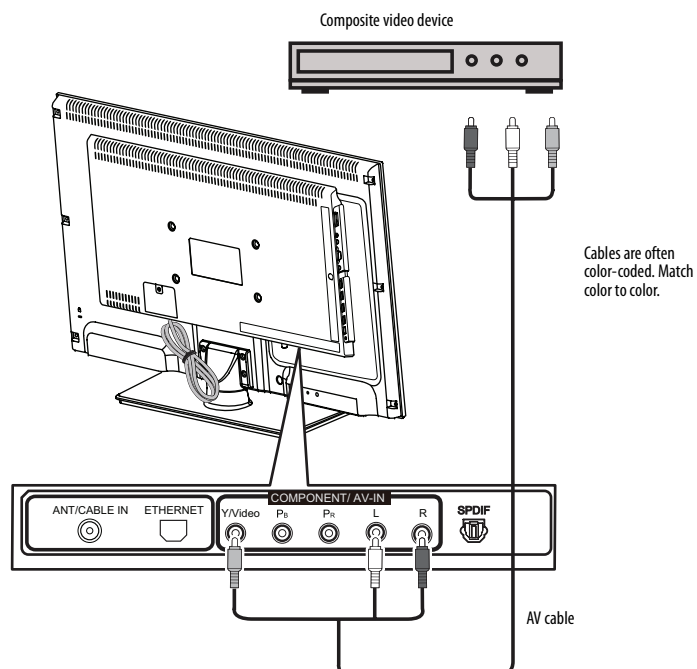
To play from the composite video device:

1 Turn on your TV.

2 Turn on the composite video device, then set it to the correct output mode. See the documentation that came with the device for more information.

3 Press **INPUT** to open the input source list.

4 Press ▲ or ▼ to highlight **Component/Composite**, then press **SELECT**.

Connecting a camcorder, game, or VCR

> **Note**
>
> If your camcorder or game console has an HDMI or component connection, we recommend that you use the HDMI or component connection to get the best picture quality.

To connect a camcorder, game, or VCR:

1 Make sure that your TV's power cord is unplugged and the camcorder or game console is turned off.

2 Connect an AV cable (not provided) to the **Y/Video** and **L** and **R** (audio in) jacks on the back of your TV and to the **AV OUT** jacks on the camcorder, game console, or VCR.

External device

AV cable
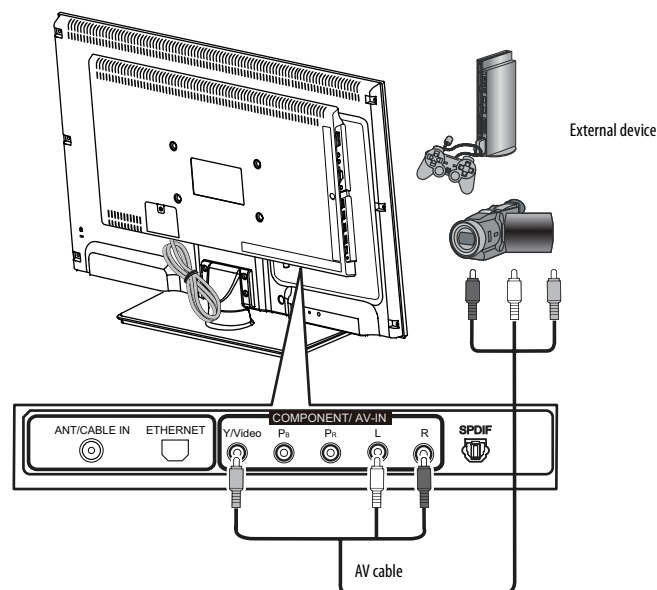
> **Note**
>
> The composite video jack **Y/Video** is also one of the component video jacks. When making connection with an AV (composite) cable, connect the yellow plug to the green/yellow (Y/Video) jack on the back of your TV.

To play from the camcorder or game console:

1   Turn on your TV, then turn on the device.

2   Press **INPUT** to open the input source list.

3   Press ▲ or ▼ to highlight **Component/Composite**, then press **SELECT**.

4   If you connected a VCR, insert a videotape, then press **PLAY** on the VCR.

Note
If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95.

Connecting a computer

Note
If the computer has an HDMI jack, you can connect it to one of the HDMI jacks on your TV.

To connect a computer:

1   Make sure that your TV's power cord is unplugged and the computer is turned off.

2   Connect a VGA cable (not provided) to the **PC/VGA** jack on the side of your TV and to the **VGA** jack on the computer.

Audio cable

VGA cable
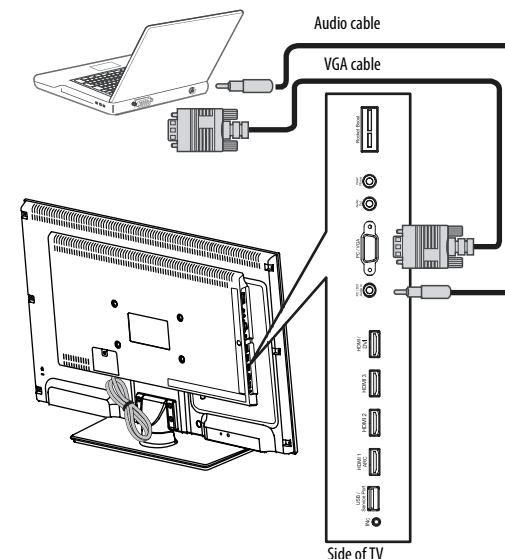
Side of TV

3   Connect an audio cable with a stereo mini plug to the **PC/DVI Audio In** jack on the side of your TV and to the **LINE OUT** or **AUDIO OUT** jack on the computer.

To play video from the computer:

1   Turn on your TV, then turn on the computer.

2   Press **INPUT** to open the input source list.

3   Press ▲ or ▼ to highlight **VGA**, then press **SELECT**.

4   On the computer, adjust the display properties, if necessary.

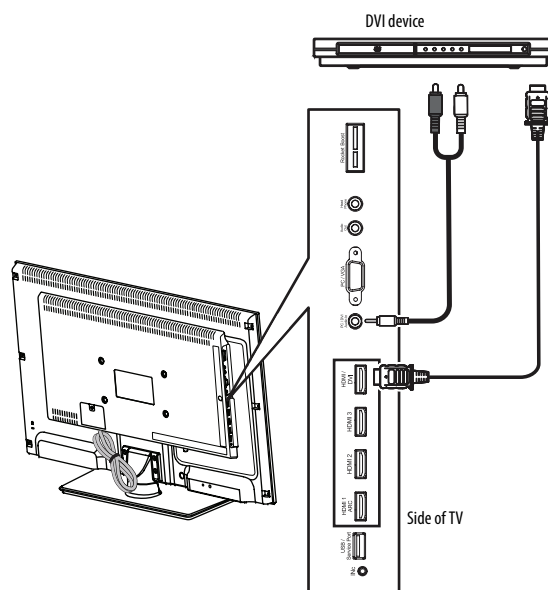| Note |
|------|
| If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95. |

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Connecting headphones

To connect headphones:

• Connect headphones to the **Headphone** jack on the side of your TV.

Side of TV
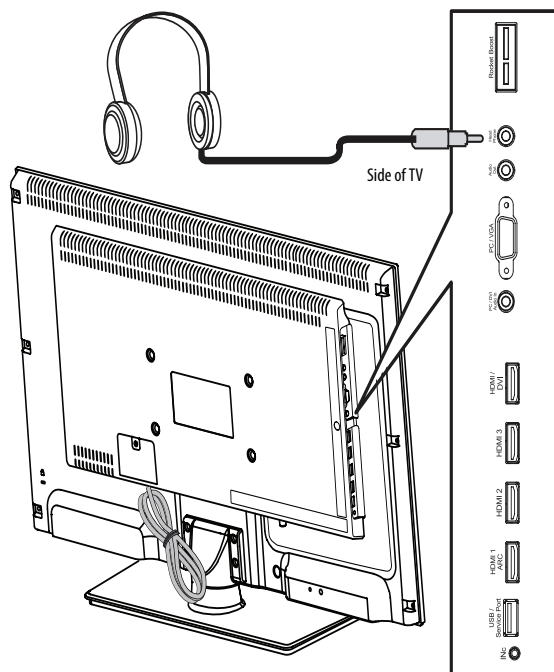
Note

When headphones are plugged in, the sound from your TV's speakers is muted.

Connecting a digital audio receiver

To connect a digital audio receiver:

1 Make sure that your TV's power cord is unplugged and the digital audio receiver is turned off.

2 Connect a digital optical audio cable (not included) to the **SPDIF** jack on the back of your TV and to the digital optical audio jack on the digital audio receiver.
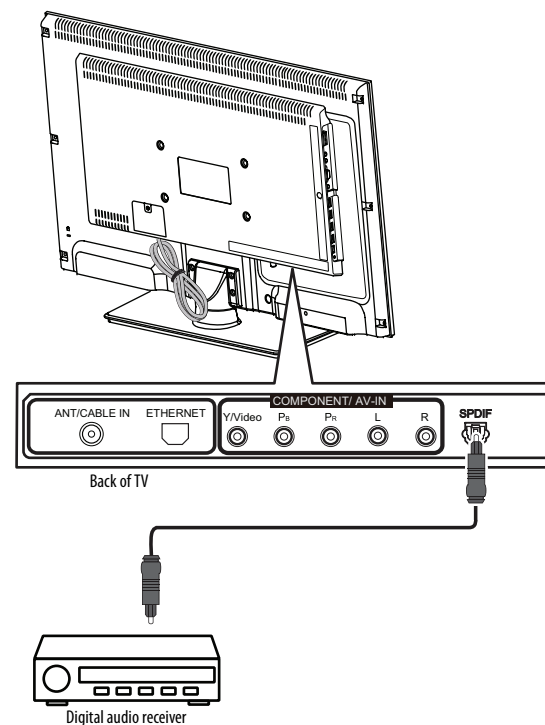
Back of TV

Digital audio receiver

Note

To hear sound only from the receiver, turn off the TV speakers. For more information, see "Turning your TV speakers on or off" on page 50.

Connecting an analog audio receiver

To connect an analog audio receiver:

1   Make sure that your TV's power cord is unplugged and the analog audio receiver is turned off.

2   Connect an audio cable (not provided) to the **Audio Out** jack on the side of your TV and to the **AUDIO IN** jacks on the analog audio receiver.
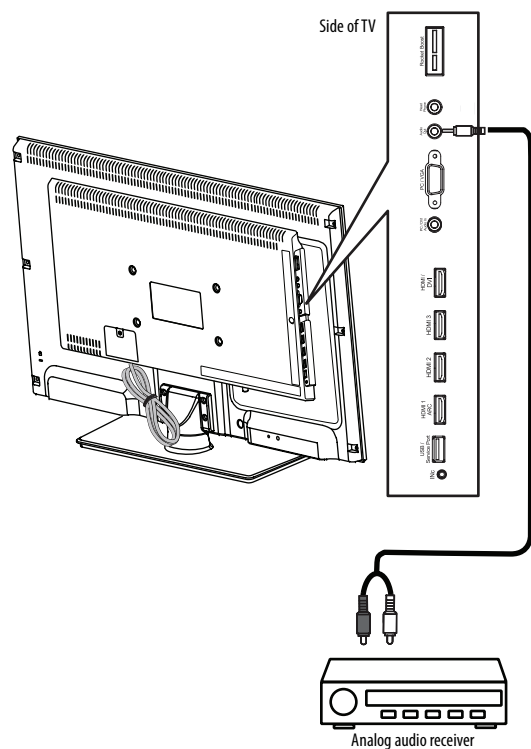
Side of TV

Analog audio receiver

Note

To hear sound only from the receiver, turn off the TV speakers. For more information, see "Turning your TV speakers on or off" on page 50.

Connecting your TV to your home network

Wireless connection

Your TV has a built-in wireless WiFi device that lets you access the Internet through your home network. With this feature, you can easily connect to a wireless network and enjoy the benefits of networking in a cable-free environment.

To connect to a wireless network:
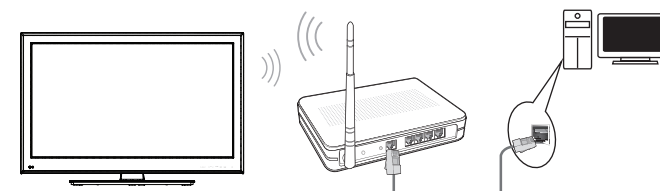
For step-by-step instructions to set up a wireless Internet connection, see "Configuring a wireless connection" on page 81.

Wired connection

Depending on how your Internet connection is setup, you can connect your TV to:

- An Internet jack
- A modem
- A router

To connect your TV to your home network:

- Connect an Ethernet cable (not provided) to the **ETHERNET** jack on the back of your TV and to your home network.

Back of TV

COMPONENT / AV-IN

ANT/CABLE IN ETHERNET Y/Video P_B P_R L R SPDIF

OR

Internet jack Modem Router
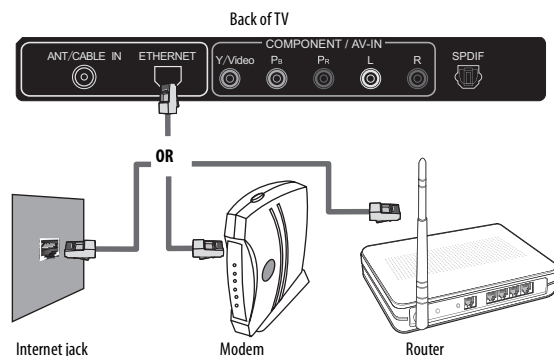
For step-by-step instructions to set up a wired Internet connection, see "Configuring a wired connection" on page 86.

Turning on your TV for the first time

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

The first time you turn on your TV, the Setup Wizard opens. The Setup Wizard guides you through setting up basic settings. You can skip these settings or press **EXIT**, **MENU**, **TiVo**, or **LIVE** on your remote control to exit the wizard (except when a software update is in progress).

To set up your TV:

1 Make sure that you have:

- Installed the remote control batteries. (See page 17 for details).
- Connected an antenna, cable TV, or satellite TV. (See page 18 for details.)
- Connected to your home network, if available. (See page 26 for details).
- Connected the power cord. (See page 17 for details.)

2 Press ⏻ (power) to turn on your TV.

3 The *Welcome* screen opens. Press ▲ or ▼ to highlight **Set up this TV (typical)**, then press **SELECT**.

INSIGNIA™ **Welcome**

You are about to begin Guided Setup,which prepares the Insignia HD TV for your use. This typically takes less than 45 minutes.

(If you skip Guided Setup now, you can set it up later by pressing TIVO and choosing Settings > Help > Reset this TV > Repeat Guided Setup.)

Set up this TV(typical)
Set up in retail mode
Skip for now
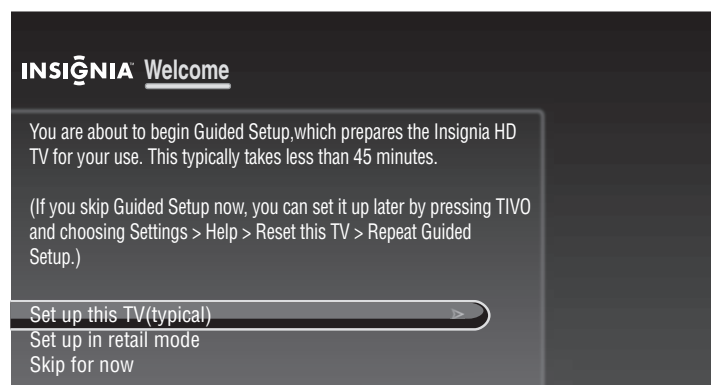
Note

If you are setting up your TV for in-store display, highlight **Set up in retail mode**, then press **SELECT**. The *Retail Mode Energy Usage* screen opens. Highlight **Continue with retail mode**, then press **SELECT**. The *Retail Mode Activated* screen opens. Press **SELECT** to select **Continue**.

4 The *Remote Control Connection* screen opens. Press 👍 and 👎 on your remote control to pair the remote control. Press **SELECT** when the *RF Connection Successful* screen opens.

INSIGNIA™ Remote Control Connection

To set up your remote control to use RF (radio frequency) to communicate with your TV, hold down the THUMBS UP and THUMBS DOWN buttons at the same time for 5 seconds. This will mean you won't need to point the remote control directly at the TV.

Hold down THUMBS UP and THUMBS DOWN for 5 seconds

Cancel (use IR instead)
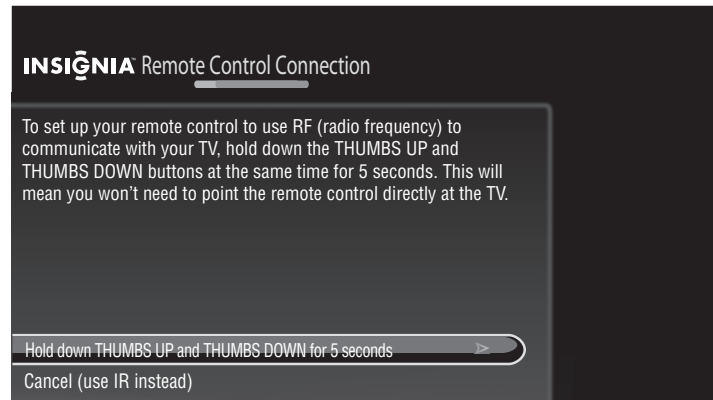
5 The *Network Setup* screen opens. Press ▲ or ▼ to highlight your network connection type, then press **SELECT** and follow the on-screen instructions to set up your network and run the network speed test.

INSIGNIA™ Network Setup

You are about to set up this TV to use your home network.

If you have a wired network, please plug an Ethernet cable into the TV.

If you have a wireless network, DO NOT plug an Ethernet cable into the TV.

◁   Set up wireless network   ▷

Use wired Ethernet instead

Skip this step, I don't have a network
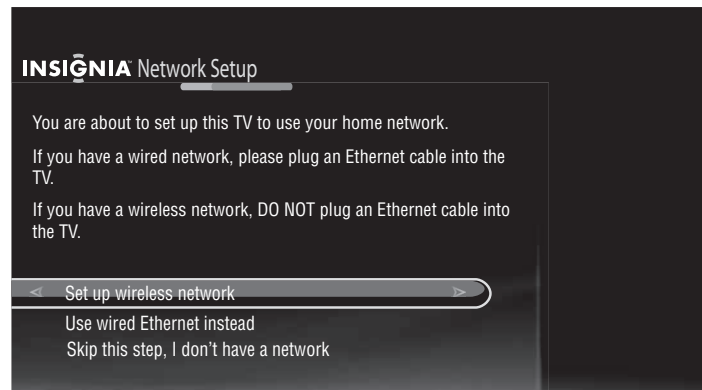
6 The *Set Up Channels* screen opens. Press ▲ or ▼ to highlight your signal type, then press **SELECT** to start the channel scan. If you use a cable or satellite TV box, you do not need to scan for channels.

INSIGNIA™ Set Up Channels

Your TV works with either cable or antenna channels. Select the TV signal you have connected to this TV. The TV will then begin scanning for channels, which may take up to 30 minutes.
Note: You only need to scan for channels for cable if you are NOT using a cable box. If you have a cable box (or satellite box), that box already has information about your channels, and you can skip this step.

Antenna   ▷

Cable (without a box)

Skip this step, don't scan for channels

7 If you connected to a network in Step 5 and a software update is available, the *Update in Progress* screen opens. Follow the on-screen instructions to install the software update.

INSIGNIA™ Update In Progress

✓ Preparing   (Done)
✓ Connecting   (Done)
✓ Getting info   (Done)
✓ Disconnecting   (Done)
   Loading info   (38% complete)

Please wait...   ▷

28
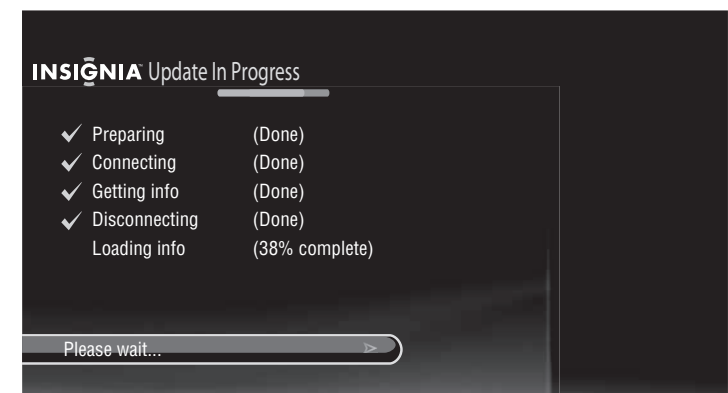
8   The *Date and Time Setup* screen opens. Press ▲ or ▼ to highlight **Use this date and time**, then press **SELECT**.

OR

Press ▲ or ▼ to highlight **Set date and time manually**, then press **SELECT** and follow the on-screen instructions to set your time zone, daylight saving option, and date and time.

INSIGNIA™ Date and Time Setup

If the date and time are not correct, you may manually set them.

The current date and time are:

12/12/2010 at 10:00 PM Eastern Standard Time

Use this date and time

Set date and time manually
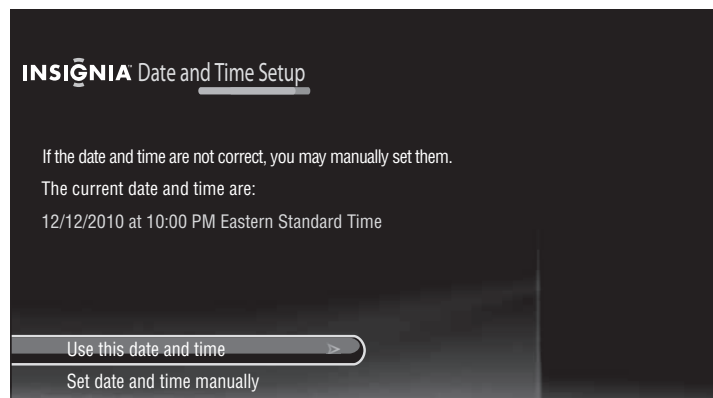
9   The *Congratulations* screen opens. Press **TiVo** to enjoy your new TV.

INSIGNIA™ Congratulations!

You TV is now set up.

Press TIVO at any time to access the TV's menu and On Demand shows. Press LIVE at any time to watch television.

Enjoy your new TV!

Press TIVO to continue
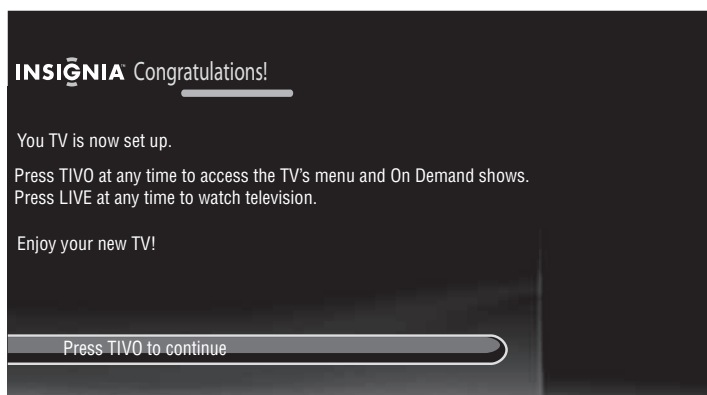
10   If you skipped the channel scan in Step 6 because you are using a cable or satellite TV box, your TV switches to the active input source that you connected the cable or satellite box to before displaying the *Home* menu.

Programming your universal Insignia remote control

Note
To use the on-screen setup for your remote control, the remote control must be in RF mode. If the remote control is not in RF mode, the *RF Remote Control Required* screen opens when you try to enter the *Remote control setup* menu. Follow the on-screen instructions to switch your remote control to RF mode.

Programming the mode buttons

You can program the mode buttons on your TV remote control (**DVD**, **STB**, or **AUX**) to control the corresponding device using your TV remote control.

To program the mode buttons:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN. 10:00pm

Settings   Settings
Connect to the Internet   Parental Controls
                                  Check for updates
                                  Account & system info
                                  Help
                                  Sleep timer

3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance	INlink HDMI control	TiVo DESIGN… 10:00 PM
Audio	Source sensor	
Channels & providers	Remote control setup	
Devices ▶	TV power on	
Network	Reset device settings	
Recommendations		
Video		
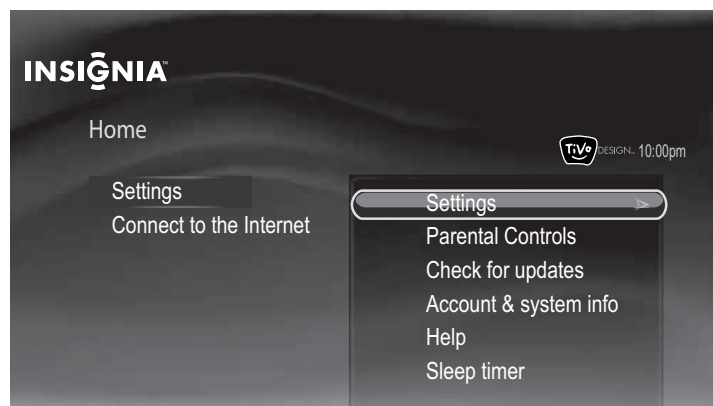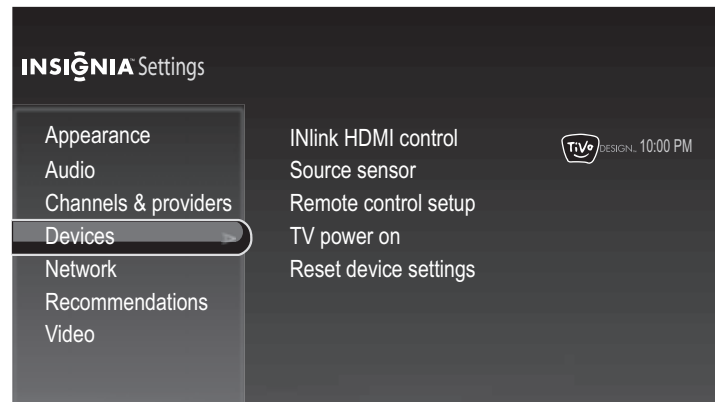
4 Press ▲ or ▼ to highlight **Remote control setup**, then press ▶ or **SELECT**. If your remote control is not in RF mode, follow the on-screen instructions to switch to RF mode.

INSIGNIA™ Settings

Appearance	INlink HDMI control	TiVo DESIGN… 10:00 PM
Audio	Source sensor	
Channels & providers	Remote control setup ▶	Set up the remote control to control the devices that you use with this TV, like your cable box, DVR, or DVD player.
Devices	TV power on	
Network	Reset device settings	
Recommendations		
Video		
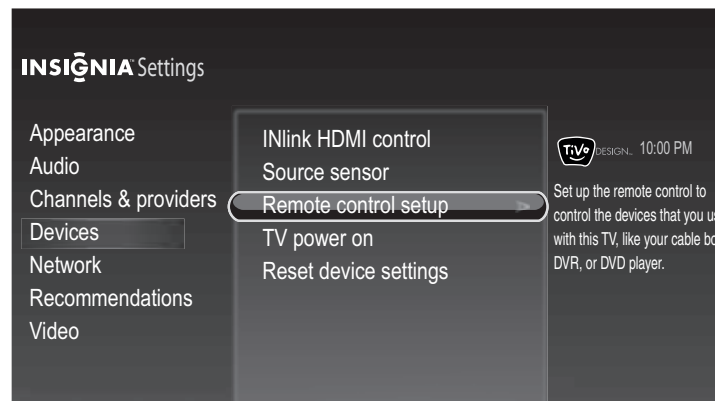
5 Press ▲ or ▼ to highlight the mode button on your remote control that you want to program (**DVD**, **STB**, or **AUX**), then press ▶ or **SELECT**.

INSIGNIA™ Remote Control Setup

◀ DVD button ▶	TiVo DESIGN… 10:00 PM
STB button	
AUX button	Set up the DVD button on your remote to control your device.
Power button in TV mode	
Volume button	
Backlight	
Reset all remote settings	
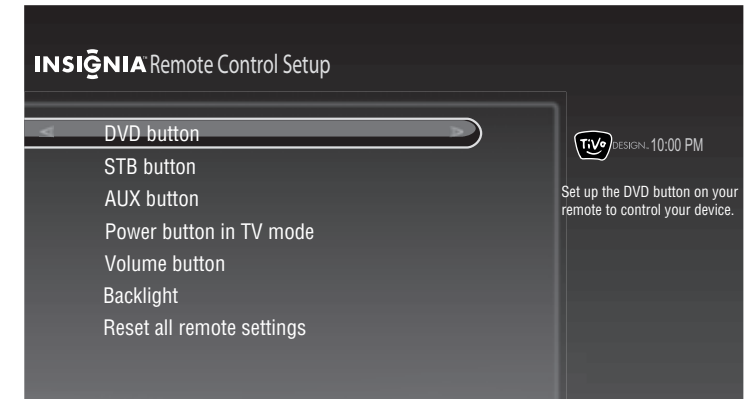
6 Press ▲ or ▼ to highlight the device you want to control with the button you are programming, then press ▶ or **SELECT** and follow the on-screen instructions.

INSIGNIA™ Step 1: Select Device
Remote Control Setup (DVD button)

Select the device you would like to control when you press the DVD button on the remote control.   TiVo DESIGN… 10:00pm

◀ DVD ▶

VCR
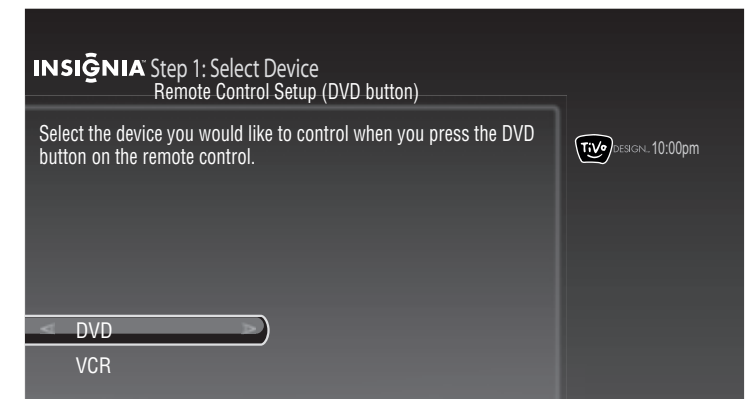
7 Repeatedly press ▶ to highlight the list of brands, press ▲ or ▼ to highlight the brand of your device, then press **SELECT**.

Note
You can narrow down the brand or model number list by entering the first one or two letters or numbers of your device brand and model number using the on-screen keyboard.

8 Repeatedly press ▶ to highlight the list of models, press ▲ or ▼ to highlight the model number of your device, then press **SELECT**.

9 Follow the on-screen instruction to test the remote control on the device.

INSIGNIA Step 4: Test Setup
Remote Control Setup (DVD button)

Now we will test to see if the remote can control your DVD (or other device).

1. Turn ON the DVD (or other device).
2. Point the remote at the DVD or other device).
3. The remote will try to turn the device OFF.

◄   Start test   ►

10 Press ▲ or ▼ to highlight **Yes, continue**, then press **SELECT**.

INSIGNIA Step 4: Test Setup
Remote Control Setup (DVD button)

Did the device turn OFF ?

To confirm that the remote fully controls the DVD (or other device), turn ON the device and then try the following buttons on the remote control:

1. Play
2. Stop

Does the remote reliably control the device?

◄   Yes, continue   ►

No
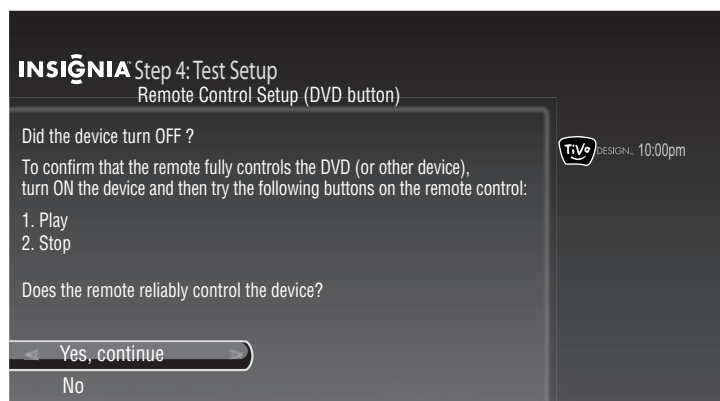
11 Press ▲ or ▼ to highlight the input jack you want to assign to this button, then press **SELECT**. When you press the mode button, your TV switches to the input source you selected for the device.

If you do not want to switch to the input source you selected for the device when you press the mode button, select **I don't want to automatically switch inputs**, then press **SELECT**.

INSIGNIA Step 5: Select Input
Remote Control Setup (DVD button)

If the DVD (or other device) is connected to one of the inputs of this TV, the TV will automatically change to that input when you press the DVD button on the remote control.

◄   HDMI 1 (no device)   ►
HDMI 2 (no device)
HDMI 3 (no device)
HDMI 4 (no device)
Component/Composite (no device)
VGA (no device)

I don't want to automatically switch inputs

12 Press ▲ or ▼ to highlight the device you want to turn on and off when you press the power button in this mode, then press **SELECT**. A check mark appears next to the selected device. Press ▲ or ▼ to highlight **Use these settings**, then press **SELECT**.

INSIGNIA Step 6: Power Button in DVD Mode
Remote Control Setup (DVD button)

Choose all of the devices you want to turn on and off when you press the power button on the remote control while it is in DVD mode.

◄   Use these settings   ►

☑ TV
☑ Set-top box
☑ AUX

13 Press **SELECT** to select **OK** and return to the remote control setup menu.

INSIGNIA™ Setup Complete!
Remote Control Setup (DVD button)

TiVo DESIGN™ 10:00pm

The DVD button on your remote is now successfully set up to control the DVD (or other device) connected to HDMI 1 [HDMI 1] on this TV.
You may want to perform two more steps:

- If you want the volume button to control the DVD player's volume, choose "Volume button" on the Remote Control Setup screen.

- If you want the DVD player to power off with the TV while the remote is in TV mode, choose "Power button in TV mode" on the Remote Control Setup screen.

◄   OK   ►

Programming the button lock

You can set the power button to turn selected devices on and off with the TV while in TV mode.

You can set the volume button to control a selected device, regardless of what mode you are in. For example, if you lock the volume to your DVD player, then go to TV mode, when you press the volume button on your Insignia remote control, the volume will change on your DVD player and not on your TV.

Note
Before you program the button lock, you need to program the mode buttons. For more information, see "Programming the mode buttons" on page 29.

To program the button lock:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN™ 10:00pm

Settings   Settings   ▷
Connect to the Internet   Parental Controls
                                  Check for updates
                                  Account & system info
                                  Help
                                  Sleep timer

3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   INlink HDMI control   TiVo DESIGN™ 10:00 PM
Audio   Source sensor
Channels & providers   Remote control setup
Devices   ▷   TV power on
Network   Reset device settings
Recommendations
Video

4 Press ▲ or ▼ to highlight **Remote control setup**, then press ► or **SELECT**.

INSIGNIA Settings

Appearance	INlink HDMI control	TiVo DESIGN 10:00 PM
Audio	Source sensor	
Channels & providers	Remote control setup	Set up the remote control to
Devices	TV power on	control the devices that you use
Network	Reset device settings	with this TV, like your cable box,
Recommendations		DVR, or DVD player.
Video		

5 Press ▲ or ▼ to highlight the button on your remote control that you want to lock (power or volume), then press ► or **SELECT**.

INSIGNIA Remote control setup

DVD button	TiVo DESIGN 10:00 PM
STB button	
AUX button	Set up the power button on the
Power button in TV mode	remote to control your devices while in TV mode.
Volume button	Current Settings:
Backlight	AUX, DVD
Reset all remote settings	
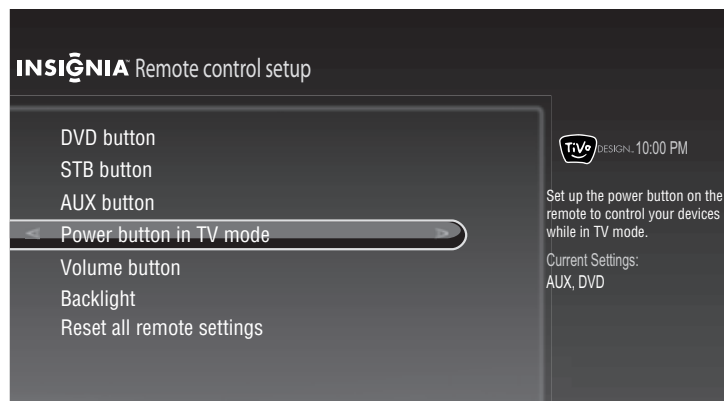
6 Press ▲ or ▼ to highlight the device you want the locked button to control, then press ► or **SELECT** to return to the *Remote Control Setup* menu.

> **Note**
>
> You can assign more than one device for the power button to control while in TV mode. Highlight **Use these settings**, then press **SELECT** after adding the devices.

INSIGNIA Set up Power Button in TV Mode
Remote Control Setup

Choose all of the devices you want to turn on and off when you press the power button on the remote control while it is in TV mode.   TiVo DESIGN 10:00pm

◄   Use these settings   ►
☑ AUX
☐ DVD
☑ Set-top box
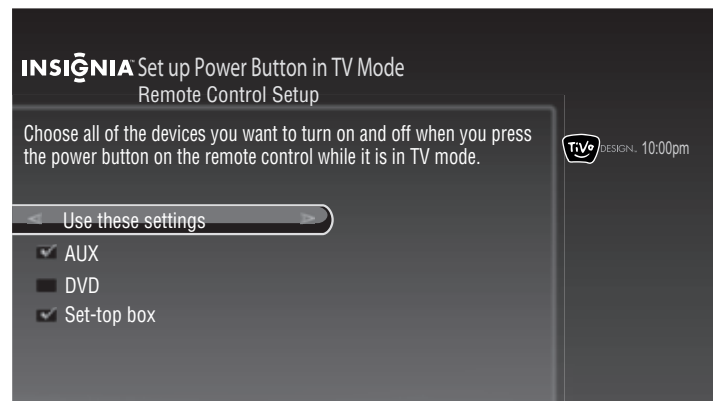
Resetting all the remote settings

You can reset the remote control to the factory defaults. This will clear all the programming and button lock settings.

To reset all the remote settings:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ► or **SELECT**.

Did you know?
Insignia has a variety of high-quality speaker systems for your new TV.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home

Settings
Connect to the Internet

DESIGN™ 10:00pm

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

INlink HDMI control
Source sensor
Remote control setup
TV power on
Reset device settings

DESIGN™ 10:00 PM

4 Press ▲ or ▼ to highlight **Remote control setup**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

INlink HDMI control
Source sensor
Remote control setup
TV power on
Reset device settings

DESIGN™ 10:00 PM

Set up the remote control to control the devices that you use with this TV, like your cable box, DVR, or DVD player.

5 Press ▲ or ▼ to highlight **Reset all remote settings**, then press ▶ or **SELECT**.

INSIGNIA™ Remote Control Setup

DVD button
STB button
AUX button
Power button in TV mode
Volume button
Backlight
Reset all remote settings

DESIGN™ 10:00 PM

Resets the entire remote settings to factory defaults.

6 Press ▲ or ▼ to highlight **Yes, reset all remote settings**, then press **SELECT**.

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Understanding the basics

Turning your TV on or off

To turn your TV on and off:

1   Make sure that the power cord is already connected to a power outlet.

2   Press ⏻ (power) to turn on your TV. The power indicator LED turns blue.

3   Press ⏻ (power) again to turn off your TV. Your TV enters Standby mode and the power indicator turns red or purple, depending on the TV power on mode you select. For more information, see "Setting the TV power on mode" on page 93.

Warning
When your TV is off, power still flows into it. To disconnect power, unplug the power cord.

Note
If your TV does not detect a signal and you do not press any buttons for several minutes, your TV goes into Standby mode automatically.

Selecting the video input source

Note
If the source sensor is turned on, the inputs that do not have devices connected are grayed in the input source list. When you press **INPUT**, your TV moves between the inputs that have devices connected. You can select a grayed input by pressing ▲ or ▼. For more information, see "Turning the source sensor on or off" on page 95.

To select the video input source:

1   Turn on your TV, then press **INPUT** on the remote control. The input source list opens.

```
TV                        ▶
HDMI 1
HDMI 2
HDMI 3
HDMI 4
Component/Composite
VGA
```

2   Press ▲ or ▼ to highlight a video input source, then press **SELECT**. You can select:

- **TV**
- **HDMI 1**
- **HDMI 2**
- **HDMI 3**
- **HDMI 4**
- **Component/Composite** (to select a component or composite device)
- **VGA**

Navigating menus and using the on-screen keyboard

Navigating the menus

Press to open the menu.

Press ▶ to move the cursor on the screen, adjust a selected item, or enter a setting.
Press ◀ to move the cursor on the screen, adjust a selected item, or return to the previous screen.

Press to select menu items.

Press to confirm your selections or enter a sub-menu.

Press to return to the previous screen.

Press to close the menu.
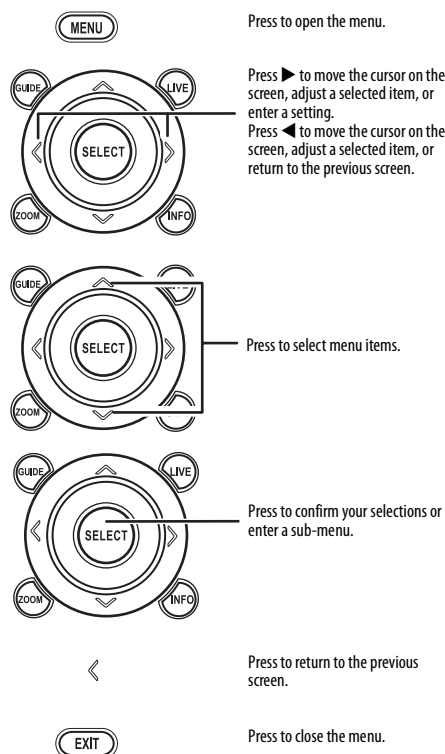
Using the on-screen keyboard

The keyboard screen lets you create custom labels (names) for input sources or channels.
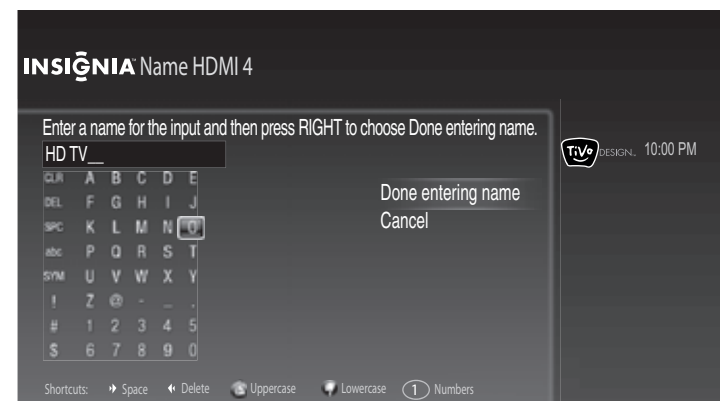
To use the on-screen keyboard:

- Press ▲▼◀ or ▶ to highlight a character, then press **SELECT** to enter the character in the text entry area.
- Highlight **CLR**, then press **SELECT** to clear the text entry area.
- Highlight **DEL**, then press **SELECT** to delete one character to the left of the cursor in the text entry area.
- Highlight **SPC**, then press **SELECT** to add one space to the right of the cursor in the text entry area.
- Highlight **ABC**, then press **SELECT** to change all keyboard characters to uppercase. The **ABC** key changes to **abc**.
- Highlight **abc**, then press **SELECT** to change all keyboard characters to lowercase.The **abc** key changes to **ABC**.
- Highlight **SYM**, then press **SELECT** to replace the characters with symbols. The **SYM** key changes to **ABC** or **abc**, depending on the character mode you were in before you entered symbol mode.

To use the remote control shortcuts:

- Press ▶▶ on your remote control to add one space to the right of the cursor in the text entry area.
- Press ◀◀ on your remote control to delete one character to the left of the cursor in the text entry area.
- Press 👍 on your remote control to switch to ABC mode.
- Press 👎 on your remote control to switch to abc mode.
- Press number buttons on your remote control to enter numbers in the text entry area.

Selecting a channel

To select a channel:

- Press **CH▲** or **CH▼** to go to the next higher or lower channel in the channel list.
- Press the number buttons to enter the channel number you want, then wait for the channel to change or press **SELECT** to immediately change the channel.
- To select a digital sub-channel, press the number buttons to select the main digital channel, press — (dash), then press the number button for the sub-channel. Wait for the channel to change, or press **SELECT** to immediately change the channel. For example, to tune to channel 5-1, press 5, — (dash), then 1.
- Press **LAST** to go to the last viewed channel.
- Press **FAV** to open the favorite channel list, press ▲ or ▼ to highlight a channel, then press **SELECT**.

Note
If a list has more than one page, press ▲ or ▼ to scroll through the pages.

Adjusting the volume

To adjust the volume:

- Press **VOL+** or **VOL–** to increase or decrease the volume.
- Press **MUTE** to turn off the sound. Press **MUTE** again to turn the sound back on.

Displaying additional information

To view channel information:

- Press **INFO** to view an information banner. The information banner shows the current program information such as channel number, video input source, and resolution.
  - **Digital channel information**—Displays the channel number, station name, channel label, broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.
  - **Analog channel information**—Displays channel number, channel label (if available), signal type, audio information, and resolution.
- Press **GUIDE** to show the digital program guide, which may list available programs, program times, and program summaries, depending on the information provided by the broadcaster.

www.insigniaproducts.com

INSIGNIA™

Using Your TV

Using the applications offered on your TV

Enjoy all your TV has to offer! Access Internet content through the Internet applications that came with your TV. New and exciting applications are continually being added to the TV. Be sure to watch for those to come.

To enjoy the online content you need high speed Internet access, such as cable or DSL, hooked up through a wireless or wired Internet connection.

Note
Your TV does not have a full web browser. To access Internet content use the applications provided on the TV.

BEST BUY CinemaNow

Watching movies with CinemaNow

With CinemaNow on TV, you can rent some of your favorite movies from the comfort of your couch. All you need is your Insignia remote control. Once you have a CinemaNow account from CinemaNow.com, grab some popcorn and enjoy the show.

To watch movies with CinemaNow:

1   First set up your CinemaNow account through your PC. Go to www.cinemanow.com/activate to get an activation PIN.

2   Click **Activate a New Device**, then sign in again with your user name and password.

3   Enter any name in the **Name Your Device** section, then click **Continue**.

    You now have been provided with a valid activation number to enter into the activation field within the CinemaNow application on your TV.

4   Once you have successfully established an Internet connection on your TV, select the CinemaNow application on your TV using your remote control.

5   Select the **Settings** tab at the bottom of the screen.

6   Select **Activate** and enter your activation code. You can now rent movies using CinemaNow.

NETFLIX

Watching movies with Netflix

With Netflix on TV and a Netflix unlimited plan, you can instantly watch thousands movies and TV episodes streamed from Netflix to your TV.   Just add shows to your Netflix Instant Queue and start watching.

To watch movies with Netflix you must first activate your TV for Netflix.

To activate your TV:

1   Select the Netflix application.

2   If you do not have a Netflix account, select **no-start my FREE trial**. Go to your computer and sign up at www.netflix.com/Insignia, then come back to your TV and select **I'm now a member**. An activation code will be displayed on your TV.

    OR

    If you do have an existing Netflix account, select **yes-activate instant streaming from Netflix**. Enter your e-mail address and password to log into your account. An activation code will be displayed on your TV.

3   Go to your computer and go to www.netflix.com/activate.

4   Enter the activation code that is displayed on your TV.

To watch movies with Netflix:

1   Activate your account following the previous steps.

2   Select the Netflix application using your remote control.

3   Add movies to your Instant Queue from either your TV or from the Netflix Web site.

4   Select and play movies or TV episodes.

5   Use your Insignia remote control to control playback of movies or TV episodes.

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6 For questions regarding the Netflix service please visit:
www.netflix.com/help or call 1-866-579-7113.

PANDORA®

Listening to music with Pandora

Pandora on TV lets you choose exactly the music you want to hear and creates personal Internet radio stations that play it for you. Just enter a song title or band name that represents the kind of music you want to hear, and Pandora will start a unique "Pandora station" that plays similar music. Add variety by entering other titles and bands to your station, and even more variety by creating multiple Pandora stations (up to 100!). Check us out today.

For existing Pandora customers:
1 Select the **Pandora** application.
2 Select **I have a Pandora account** from the options, then sign in with your account information.

For new Pandora customers:
1 Select the **Pandora** application.
2 Select **I am new to Pandora** from the options. You will receive an activation code.
3 On your PC, go to www.pandora.com and enter the activation code from Step 2, then click **Activate**.
4 Click **Create a Pandora Account** and follow the on-screen instructions.
5 Select a previously created station or create a new station by entering a favorite song or artist using the on-screen keyboard. The music begins playing and information about the song is displayed. You can also create stations on the Pandora Web site.
6 Use your Insignia remote control when listening to a song to control the playback.

To create a new Pandora account using a PC:
• Go to http://www.pandora.com/ to create a new account.

TiVo Search

You can search for specific shows by title or actor name, or you can discover new shows recommended for you.

Finding content you want to watch using TiVo Search

To find content you want to watch using TiVo search:
1 Press **TiVo**. The *Home* screen opens.
2 Select **TV & movies on demand**, then select **Search**.
3 Use the letter grid to spell out the title, person, or word you're looking for. Press the arrow buttons to move around, then press **SELECT** on each letter you want. As you select letters, a list of possible matches sorted by popularity appears on the right. For example, if you enter the letters **HOW**, you might see matches for the show "How I Met Your Mother," the video on demand movie "How To Lose A Guy In Ten Days," and the director Ron Howard.

Results are sorted by popularity, with better matches higher in the list.
4 Keep selecting letters until you see what you're searching for. If you make a mistake, you can press **CLEAR** to erase everything, or ◀◀ to erase one letter at a time. Insert a space by pressing ▶▶.

Insignia is constantly working to find all of your favorite entertainment for you. Connecting to your high-speed Internet connection opens up a whole new world of home entertainment. With a broadband connection and video on demand, your TV is the hub for movies, music, and TV shows from a host of video providers, including Insignia video on demand!

Want to stream a whole season of your favorite show? Give Netflix a try. Would you rather rent or buy a new released movie, go to CinemaNow? Do it all, with your Insignia TV.

Adjusting the video

Adjusting the video settings

Notes
• You can press **PICT**, then ◄ or ► to select the **Profile** setting. If you want to manually adjust the video settings, select **Custom**, then press **SELECT** to access the video settings menu. • Different video inputs have different setting options.

To adjust video settings:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ► or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ► or **SELECT**.
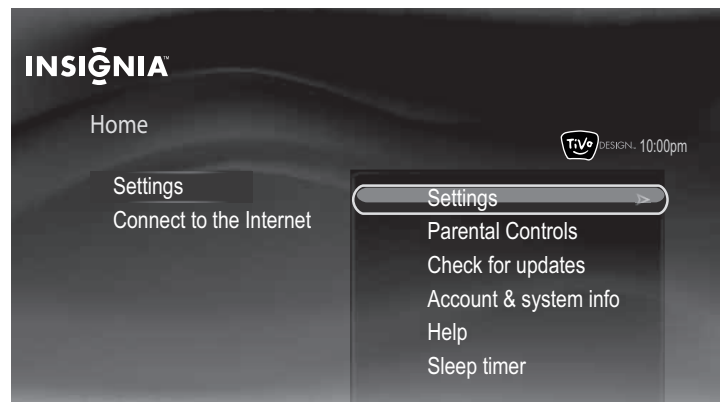
3   Press ▲ or ▼ to highlight **Video**, then press ► or **SELECT**.
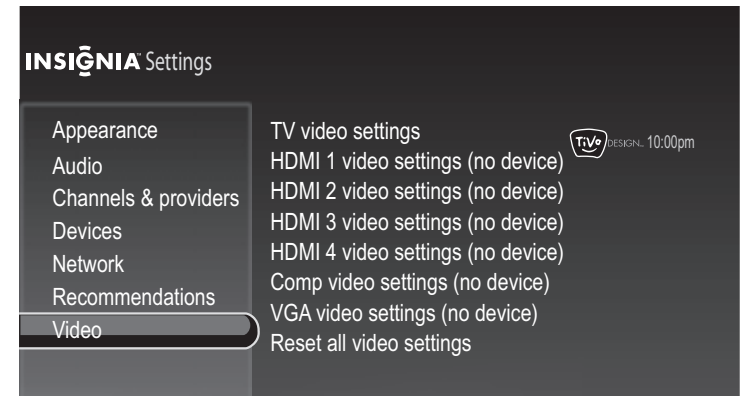
4   Press ▲ or ▼ to highlight an active video input, then press **SELECT**.
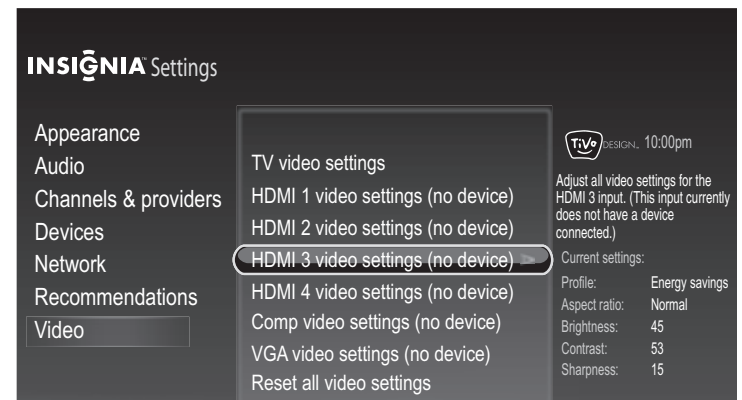
5   Press ▲ or ▼ to highlight an option, then press ◄ or ► to adjust a setting or change a value. You can select:

• **Profile**—Selects the video mode.
  • **Vivid**—Provides bright and dynamic video.
  • **Standard**—Provides standard video.
  • **Energy savings**—Decreases the backlight brightness for energy savings.
  • **Theater**—Provides finely detailed cinema-like viewing.

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- **Sports**—Provides a sharp, high contrast picture.
- **Game**—Provides optimal performance for playing games.
- **PC**—For use with a computer.
- **Custom**—Lets you manually adjust video settings.

> **Note**
>
> The **Vivid**, **Energy savings**, **Theater**, and **Sports** options are not available in VGA mode.

- **Aspect ratio**—Selects the picture aspect ratio.
  - **Normal**—Preserves the 4:3 aspect ratio. Black bars are shown on edges.
  - **Zoom**—Enlarges the picture but may crop the top and bottom.
  - **Wide**—Stretches the 4:3 content to eliminate left and right bars.
  - **Cinema**—Stretches the picture at the edges, but maintains a good aspect ratio at the center of the screen.

> **Note**
>
> You can also press **ZOOM** to select the aspect ratio.

- **Brightness**—Adjusts the brightness of dark areas of the video.
- **Contrast**—Adjusts the white level of the picture.
- **Sharpness**—Adjusts the sharpness of the picture.
- **Dynamic backlight**—Automatically adjusts the overall brightness of the picture. When any option other than **Off** is selected, the **Backlight** option cannot be adjusted.
- **Backlight**—Controls the overall brightness of the picture.
- **Color saturation**—Adjusts color intensity.
- **Color tint**—Adjusts the picture hue (red, green).
- **Color temperature**—Selects the color temperature.
  - **Cool**—Produces a gentle, blue-hued image.
  - **Normal**—Produces a vivid image.
  - **Warm**—Produces a red-hued image.
- **Advanced contrast**—Dynamically adjusts picture detail and brightness. You can select **On** or **Off**.

- **Insignia motion**—Selects the Insignia motion mode to enhance video detail and motion smoothness. You can select **Low** (reduce ghosting or halo), **Middle**, **High**, **24p film mode** (which provides smooth and clear motion for film-based videos), or **Off**.
- **Noise reduction**—Selects the noise reduction mode to reduce video noise (snow). You can select **Low**, **Middle**, **High**, or **Off**.
- **Overscan**—Adjusts the picture's display range. You can select **On** or **Off**.
- **Clock adjust**—Minimizes vertical stripes.
- **Auto power**—Puts your TV into sleep mode after 15 minutes of inactivity in VGA mode. You can select **On** or **Off**.
- **Phase adjust**—Minimizes horizontal stripes.
- **Adjust picture position**—Adjusts the horizontal and vertical picture position.
- **Use these settings**—Uses the current settings. Press **SELECT** to return to the previous screen.
- **Reset <input> video settings**—Resets the video settings of the selected input to the factory defaults.
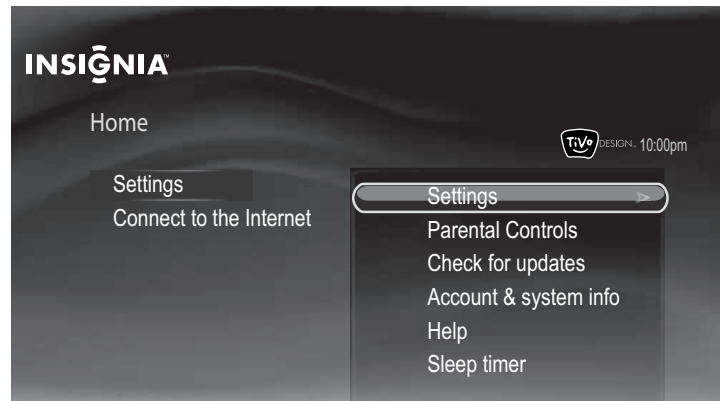
> **Notes**
>
> - The **Sharpness**, **Color saturation**, **Color tint**, **Advanced contrast**, **Noise reduction**, and **Overscan** settings are not available in VGA mode.
> - **Clock adjust**, **Auto Power**, **Phase adjust**, and **Adjust picture position** settings are only available in VGA mode.

6 Press **SELECT** to save your settings and return to the previous screen.

Resetting all video settings

To reset all video settings:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

Home

TiVo® DESIGN™ 10:00pm

Settings
Connect to the Internet

Settings   ▷
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Video**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

TV video settings   TiVo® DESIGN™ 10:00pm
HDMI 1 video settings (no device)
HDMI 2 video settings (no device)
HDMI 3 video settings (no device)
HDMI 4 video settings (no device)
Comp video settings (no device)
VGA video settings (no device)
Reset all video settings
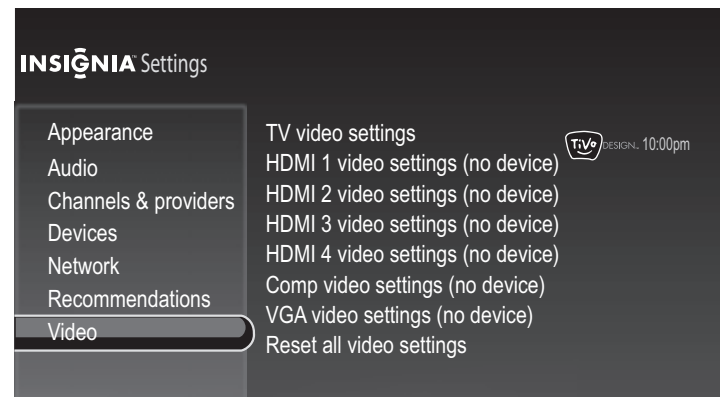
4   Press ▲ or ▼ to highlight **Reset all video settings**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   TiVo® DESIGN™ 10:00pm
Audio   TV video settings
Channels & providers   HDMI 1 video settings (no device)   Restore all video settings for all
Devices   HDMI 2 video settings (no device)   inputs to the state they were in
Network   HDMI 3 video settings (no device)   when the TV was first purchased.
Recommendations   HDMI 4 video settings (no device)
Video   Comp video settings (no device)
                         VGA video settings
                         Reset all video settings

5   Press ▲ or ▼ to highlight **Yes, reset all video settings**, then press **SELECT**. The video settings are reset to factory defaults.

Turning the video window on or off

Your TV can display a video window on the top right corner of the screen so you can continue watching your show while using the menu.

**To turn the video window on or off:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN. 10:00pm

Settings   Settings
Connect to the Internet   Parental Controls
                                Check for updates
                                Account & system info
                                Help
                                Sleep timer

3 Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Time   TiVo DESIGN. 10:00 PM
Audio   Logo brightness
Channels & providers   Input labels
Devices   Closed captioning
Network   Video window
Recommendations   Reset all appearance settings
Video
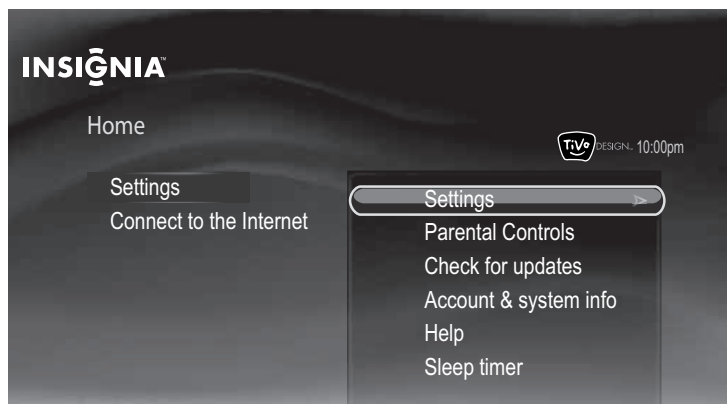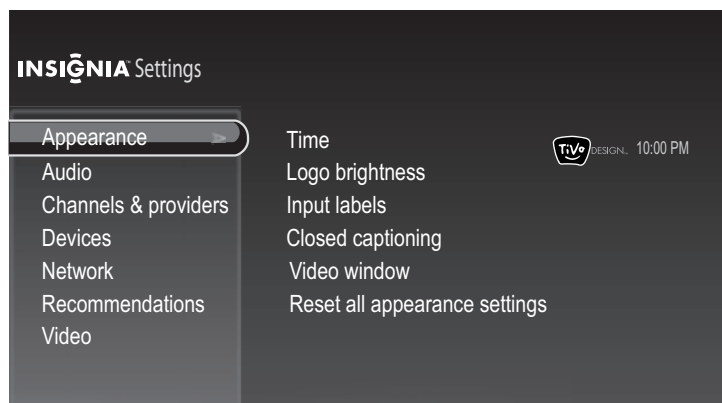
4 Press ▲ or ▼ to highlight **Video window**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Time   TiVo DESIGN. 10:00 PM
Audio   Logo brightness
Channels & providers   Input labels   Turn on or off the video window
Devices   Closed captioning   displayed in the upper right corner.
Network   Video window
Recommendations   Reset all appearance settings   Current setting:
Video   On

5 Press ▲ or ▼ to highlight **On** or **Off**, then press **SELECT** to save your setting and return to the previous screen.

Note
You can temporarily turn the video window on or off by pressing ▶/**SLOW** regardless of whether this option is turned on or off.

Adjusting audio settings

Manually adjusting audio settings

To manually adjust audio settings:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
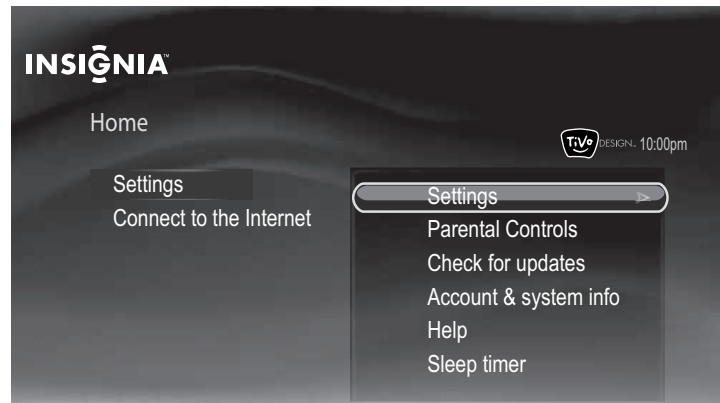
3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.
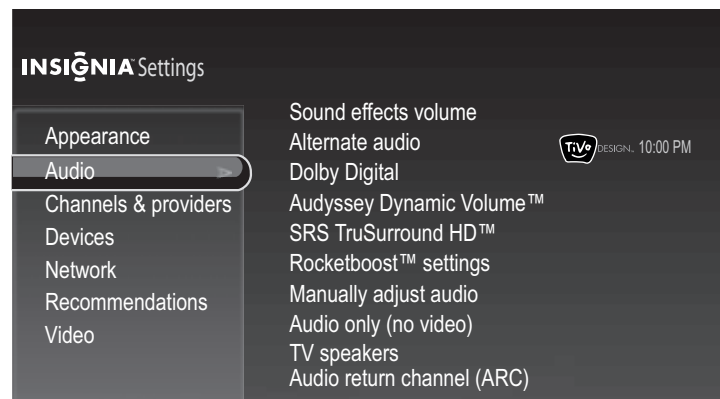
4   Press ▲ or ▼ to highlight **Manually adjust audio**, then press ▶ or **SELECT**.
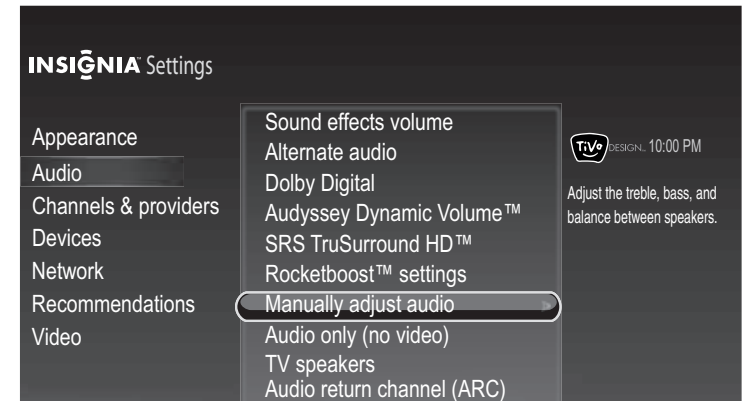
5   Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to adjust its setting. You can adjust:

•   **Treble**—Adjusts the high sounds.

•   **Bass**—Adjusts the low sounds.

•   **Balance**—Adjusts the balance between the left and right audio channels.

Note
If **SRS TruSurround HD™** is set to **On**, **Treble** and **Bass** are dimmed and cannot be adjusted.

6   Press **SELECT** to highlight **Use these settings**, then press **SELECT** again to save your settings and return to the previous screen.

Selecting the Dolby digital output

You can select the format for your digital audio output If you have connected an amplifier or receiver to the **SPDIF** jack on your TV.

To select the Dolby digital output:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
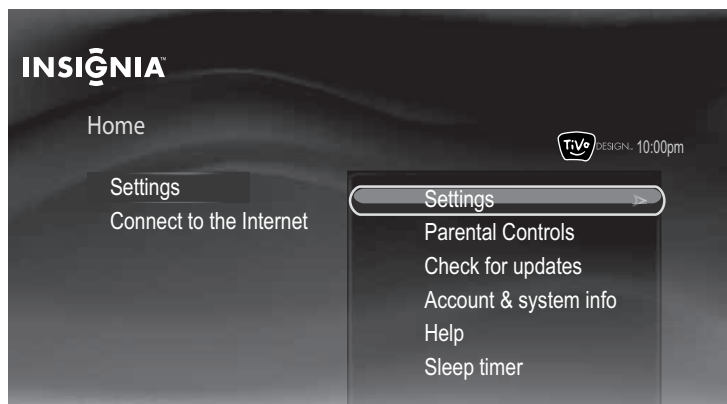
3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.
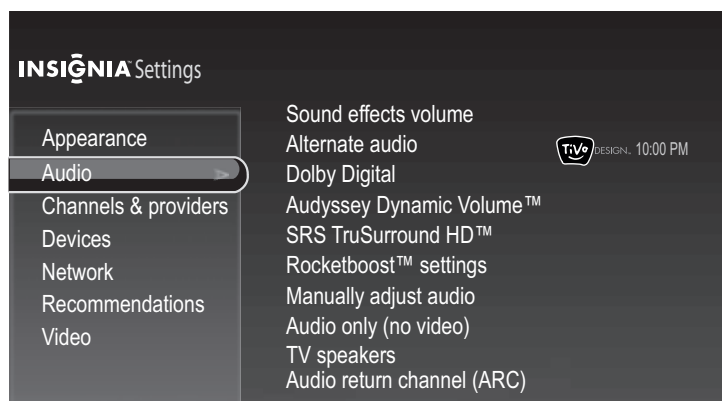
4   Press ▲ or ▼ to highlight **Dolby Digital**, then press ▶ or **SELECT**.
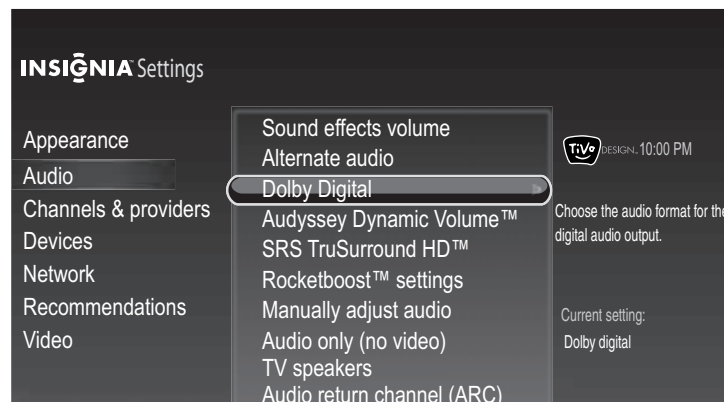
5   Press ▲ or ▼ to highlight an option. You can select:
   • **Dolby Digital (preferred)**—Outputs audio in Dolby Digital format if your amplifier or receiver has a Dolby Digital decoder.
   • **Dolby Digital to PCM**—Outputs audio in 2-channel stereo.
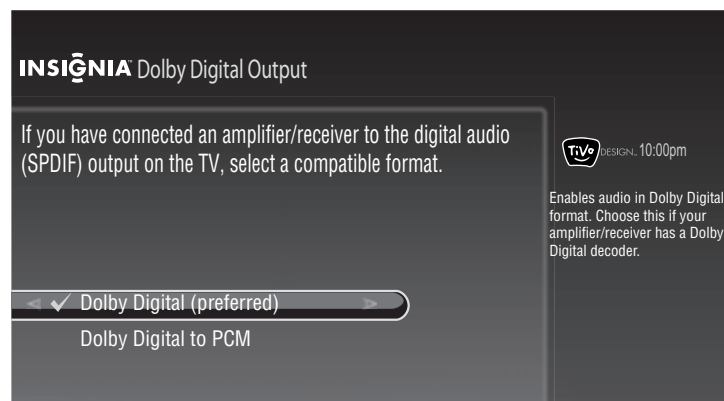
6   Press **SELECT** to save your setting and return to the previous menu.

Setting the Audyssey Dynamic Volume control

Audyssey Dynamic Volume control adjusts the volume so that commercials and loud scenes in a program are more consistent with the rest of the scenes.

To set the Audyssey Dynamic Volume control:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
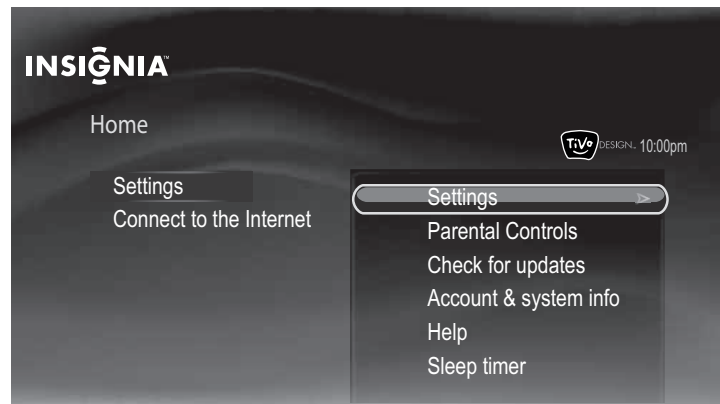
3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.
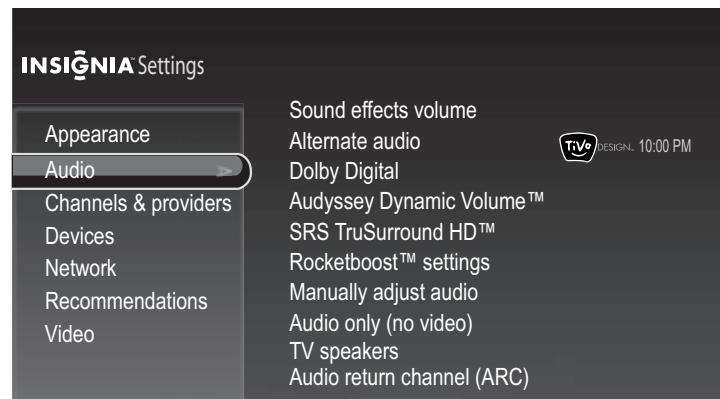
4   Press ▲ or ▼ to highlight **Audyssey Dynamic Volume™**, then press ▶ or **SELECT**.
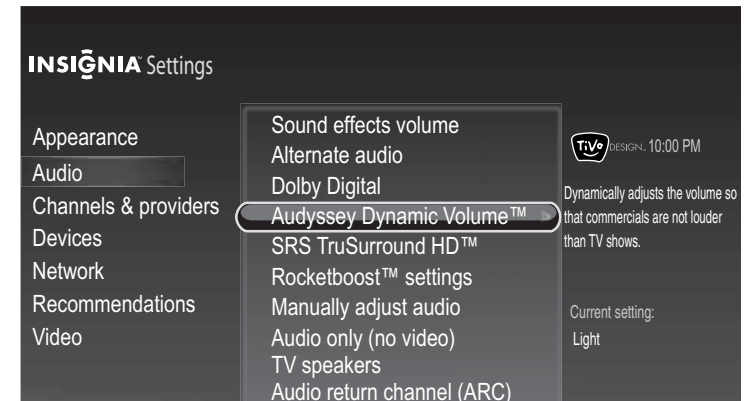
5   Press ▲ or ▼ to highlight an option. You can select:
    • **Off**—Turns off the **Audyssey Dynamic Volume™** control.
    • **Light**—Adjusts the volume level slightly.
    • **Medium**—Adjusts the volume level moderately.
    • **Heavy**—Adjusts the volume level heavily.

6   Press **SELECT** to save your setting and return to the previous screen.

Note

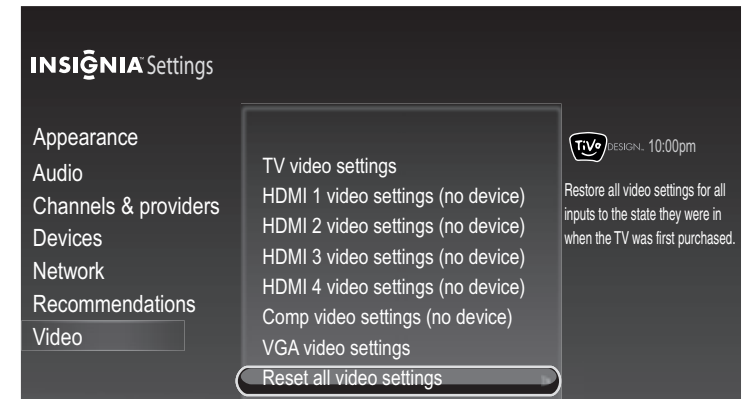If the **Audyssey Dynamic Volume™** control is set to **Light**, **Medium**, or **Heavy**, the **SRS TruSurroundHD™** feature is automatically set to **Off**.

INSIGNIA™

Setting the SRS TruSurround HD mode

The SRS TruSurround HD simulates surround sound through TV speakers.

To set the SRS TruSurround HD mode:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

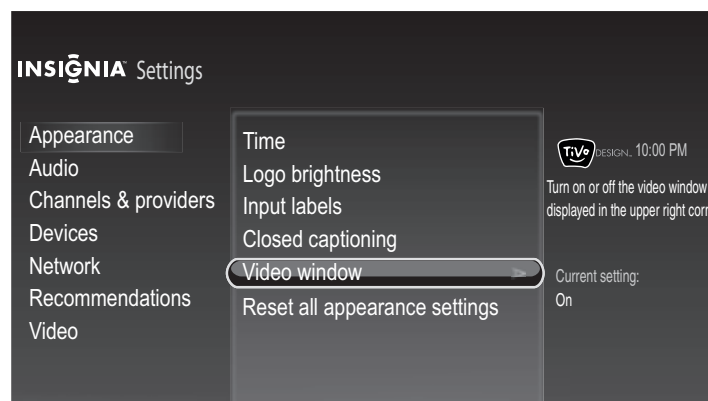2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN. 10:00pm

Settings
Connect to the Internet

Settings   ▷
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio   ▷
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio   TiVo DESIGN. 10:00 PM
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)
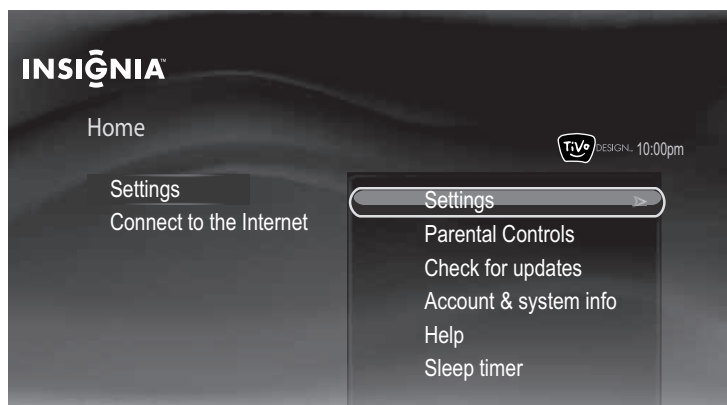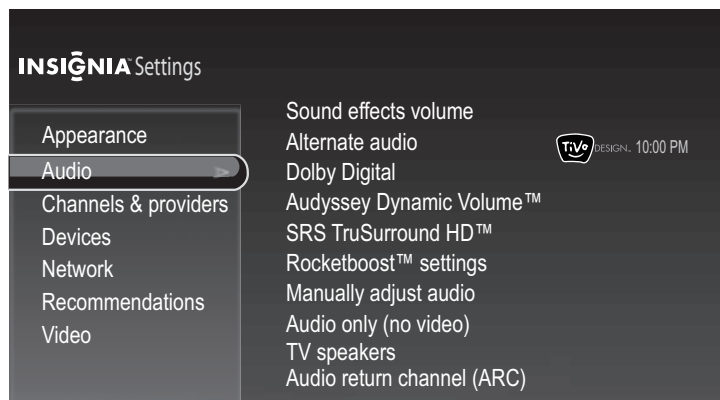
4 Press ▲ or ▼ to highlight **SRS TruSurround HD™**, then press ▶ or **SELECT**.
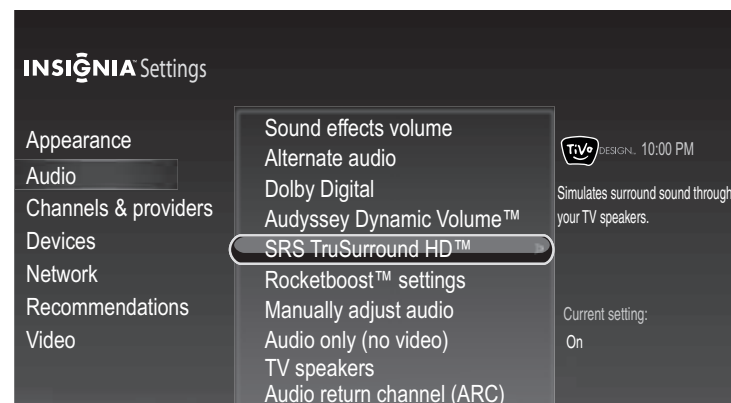
INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio   TiVo DESIGN. 10:00 PM
Dolby Digital
Audyssey Dynamic Volume™   Simulates surround sound through
SRS TruSurround HD™   your TV speakers.
Rocketboost™ settings
Manually adjust audio   Current setting:
Audio only (no video)
TV speakers   On
Audio return channel (ARC)

5 Press ▲ or ▼ to highlight **On** or **Off**, then press **SELECT** to save your setting and return to the previous screen.

Note
If the **SRS TruSurround HD™** is set to **On**, the Audyssey Dynamic Volume feature is automatically set to **Off**.

Turning your TV speakers on or off

To turn your TV speakers on or off:

**1**   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home

Settings
Connect to the Internet

TiVo DESIGN™ 10:00pm

Settings   ▷
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio   ▷
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

TiVo DESIGN™ 10:00 PM
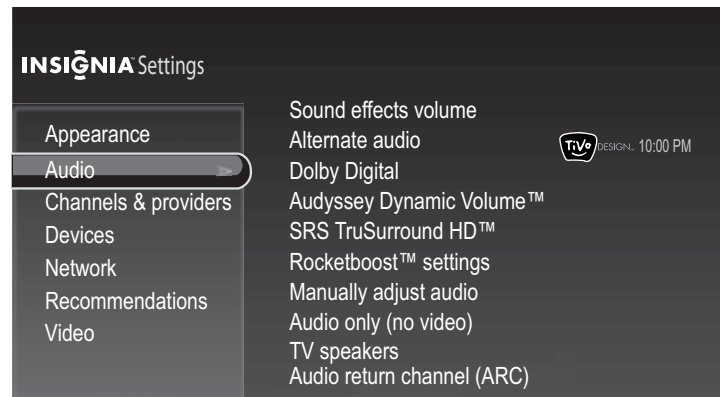
4   Press ▲ or ▼ to highlight **TV speakers**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

TiVo DESIGN™ 10:00 PM

Choose to turn the speakers in your TV on or off.

Current setting:
On

5   Press ▲ or ▼ to highlight **On** or **Off**, then press ▶ or **SELECT**.

INSIGNIA™ TV speakers

If you turn your TV speakers off you will only hear sound through other speakers connected to your entertainment center.

TiVo DESIGN™ 10:00pm

◀ ✓ On   ▶
      Off

Setting up Rocketboost™

Congratulations on your purchase of this Rocketboost™ Ready TV.

Rocketboost uses state of the art 2.4 GHz wireless audio technology. When used with other Rocketboost products, you can enjoy your music or other audio throughout your house without the limitations of cables.

How does Rocketboost work?

Rocketboost technology can connect all audio devices throughout your home to form a home audio network. Rocketboost products include "Senders," which send or transmit audio streams, and "Receivers," which receive the audio. This lets you listen to music from your Sender in other rooms using your Receiver. Your Rocketboost Ready TV can be used as both a sender and receiver.

As a sender you can listen to your TV audio using any other Rocketboost receiver. As a receiver you can listen to the audio from any other Rocketboost sender.

Rocketboost is expandable. Each Rocketboost Receiver can select the audio from any Sender in your Rocketboost audio network. The following shows an example Rocketboost network. You can set up your network to meet your specific needs.
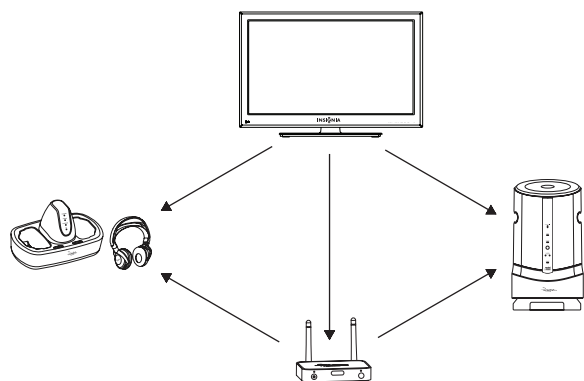
We hope you enjoy your new Rocketboost system. Remember that it's designed to grow with your home entertainment needs and that it's easy to add a new device to the network as you expand your system.

For more information on Rocketboost products, go to www.rocketboost.com.

Establishing communication

Rocketboost products form an audio network and each Rocketboost receiver can select the audio from any Rocketboost sender in the network.

Note
Every Rocketboost network must contain one hub or manager device, which helps devices join the network. The network can have only one hub, which you can enable using the hub switch on Rocketboost senders and sender/receivers.

If this is your first Rocketboost product, you should make the TV the hub or manager. If you already have a working Rocketboost network, then one of your other devices is already the hub or manager.

Note
Hub devices must always have power for your network to operate. The hub device can be in standby (power saving) mode, but must stay plugged in.

Is this your first Rocketboost product?

YES—If this is your first Rocketboost enabled product, follow the steps under "Setting up Rocketboost with your TV as the hub or manager" on page 52.

NO—If this is not your first Rocketboost enabled product and you already have a working Rocketboost network, go to "Setting up Rocketboost with another device as the hub or manager" on page 53.

Setting up Rocketboost with your TV as the hub or manager

To set up Rocketboost with your TV as the hub or manager:

1   Insert a Rocketboost Wireless Card (RF-RBCARD, sold separately) in the Rocketboost slot on the side of your TV. The card connector is keyed so it can only be installed one way. When inserting the card, make sure that it is oriented so the Rocketboost logo on the card is facing you.

2   Make sure that the the hub switches (if available) on your other Rocketboost devices are set to **DISABLE** because your TV is acting as manager. Refer to the documentation that came with your other Rocketboost devices to set up the audio system.

3   Press ▲ or ▼ to highlight **Yes, set up Rocketboost now**, then press **SELECT**.

> Rocketboost™ Card Detected
>
> To use Rocketboost, you first need to set this TV up on a Rocketboost network.
>
> If you have already set up Rocketboost, choose "Skip for now."
>
> You can set it up later by pressing TIVO and choose Settings > Settings > Audio > Rocketboost settings.
>
> ◁   Yes, set up Rocketboost now   ▷
>
> Skip for now

4   Press ▲ or ▼ to highlight **No**, then press **SELECT**.

> INSIGNIA Rocketboost™ Setup
>
> Do you have other Rocketboost products working in your home?   TiVo DESIGN™ 10:00pm
>
> Choose this option if you have not set any other Rocketboost devices as the Rocketboost manager (i.e., have a hub state set to Enable). Make sure your other devices have the hub state set to Disable.
>
> Yes
>
> ◁   No   ▷

5   Press ▲ or ▼ to highlight **Continue**, then press **SELECT**.

> INSIGNIA Rocketboost™ Setup
>
> Make sure that your other Rocketboost device that you want to join to the TV is turned on and then choose "Continue".   TiVo DESIGN™ 10:00pm
>
> To set up Rocketboost later, press TIVO and choose Settings > Settings > Audio > Rocketboost settings.
>
> ◁   Continue   ▷
>
> Skip for now

6   Press and hold the power button of the Rocketboost device.

> Press the Device's Power Button
> Go to the other Rocketboost device and press and hold the POWER button for 3 seconds. The button's blue LED will flash and then turn solid when the TV has located the device
>
> LEFT or CLEAR to stop

7   When your TV finds the device, press ▲ or ▼ to highlight **OK**, then press **SELECT** to exit the setup.

   OR

Press ▲ or ▼ to highlight **Add another Rocketboost device**, then press **SELECT** to add another Rocketboost device to the network.

Rocketboost Setup Complete

The TV has successfully located the Rocketboost device named iPod.

To listen to Rocketboost devices other than the TV, press AUDIO and choose "Change Rocketboost sound source".

◄   OK   ►

Add another Rocketboost device
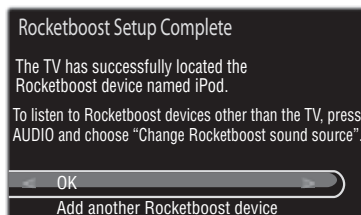
Note

You can add up to eight devices to the Rocketboost network, but only five devices (sources) can be transmitting audio at a time.

Setting up Rocketboost with another device as the hub or manager

To set up Rocketboost with another device as the hub or manager:

1 Refer to the documentation that came with your Rocketboost device to set up the Rocketboost network with one of your Rocketboost devices as manager (hub status set to **ENABLE**).

2 Insert a Rocketboost™ Wireless Card (RF-RBCARD, sold separately) into the Rocketboost slot on the side of your TV.

3 Press ▲ or ▼ to highlight **Yes, set up Rocketboost now**, then press **SELECT**.

Rocketboost™ Card Detected

To use Rocketboost, you first need to set this TV up on a Rocketboost network.

If you have already set up Rocketboost, choose "Skip for now."

You can set it up later by pressing TIVO and choose Settings > Settings > Audio > Rocketboost settings.

◄   Yes, set up Rocketboost now   ►

Skip for now

4 Press ▲ or ▼ to highlight **Yes**, then press **SELECT**.

INSIGNIA Rocketboost™ Setup

Do you have other Rocketboost products working in your home?

TiVo DESIGN. 10:00pm

Choose this option if you already have a Rocketboost network set up and you want to add the TV to the network.

◄   Yes   ►

No

5 Press ▲ or ▼ to highlight **Continue**, then press **SELECT**.

INSIGNIA Rocketboost™ Setup

Make sure that your other Rocketboost device that you want to join to the TV is turned on and then choose "Continue".

TiVo DESIGN. 10:00pm

To set up Rocketboost later, press TIVO and choose Settings > Settings > Audio > Rocketboost settings.

◄   Continue   ►

Skip for now

6 Press and hold the power button of the Rocketboost manager.

Press the Manager's Power Button

Go to the Rocketboost manager device and press and hold the POWER button for 3 seconds. The manager's green LED will flash and then turn solid when the TV has located the manager.

LEFT or CLEAR to stop

7 Press **SELECT** to exit the setup.

Rocketboost Setup Complete

The TV has successfully located the Rocketboost manager.

To listen to Rocketboost devices other than the TV, press AUDIO and choose "Change Rocketboost sound source".

◄ OK ►

Note

To add another Rocketboost device to the network, refer to the device's documentation for more information.

Adding another Rocketboost device

Note

If one of your other Rocketboost devices is the hub or manager, refer to that device's documentation for how to add additional Rocketboost devices to the network.

To add another Rocketboost device with your TV as the hub or manager:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA

Home   TiVo DESIGN. 10:00pm

Settings   Settings ▷
Connect to the Internet   Parental Controls
                            Check for updates
                            Account & system info
                            Help
                            Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA Settings

Appearance   Sound effects volume
Audio ▷   Alternate audio   TiVo DESIGN. 10:00 PM
Channels & providers   Dolby Digital
Devices   Audyssey Dynamic Volume™
Network   SRS TruSurround HD™
Recommendations   Rocketboost™ settings
Video   Manually adjust audio
                        Audio only (no video)
                        TV speakers
                        Audio return channel (ARC)
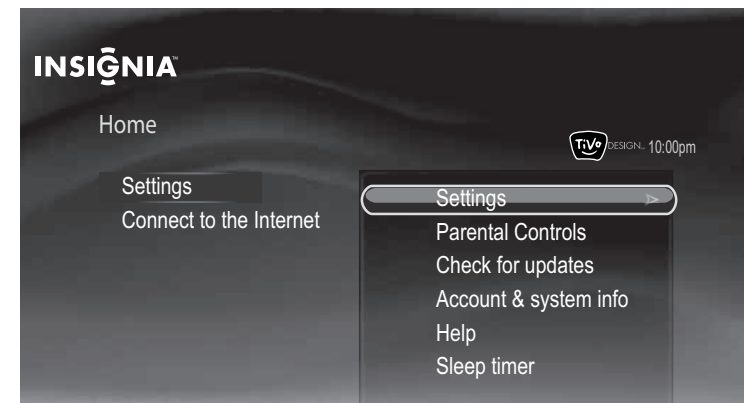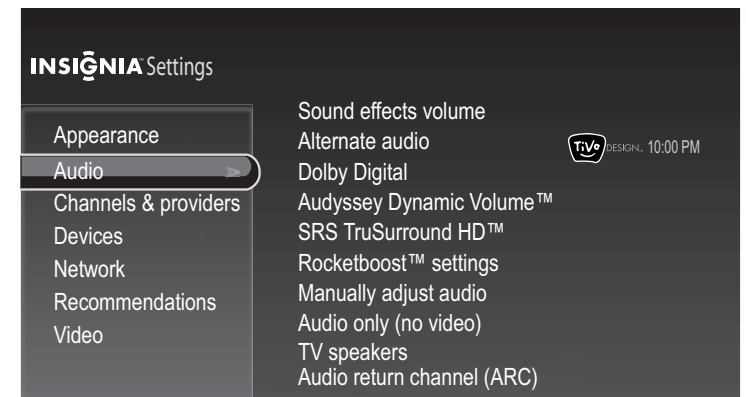
4 Press ▲ or ▼ to highlight **Rocketboost™ settings**, then press ▶ or **SELECT**.
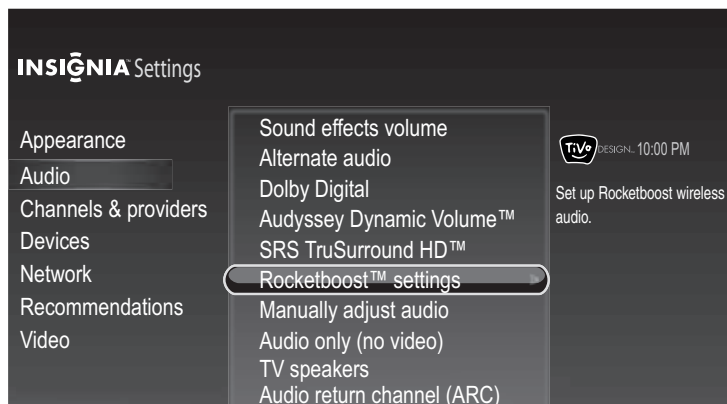
5 Press ▲ or ▼ to highlight **Add another Rocketboost device**, then press ▶ or **SELECT**.

6 Press and hold the power button of the Rocketboost device.

7 Press ▲ or ▼ to highlight **OK**, then press ▶ or **SELECT** to return to the previous screen.

OR

Press ▲ or ▼ to highlight **Add another Rocketboost device**, then press ▶ or **SELECT** to add another device.

Changing the Rocketboost sound source

You can select the Rocketboost sound source that you want to hear through the TV speakers.

Note
This can only be done when a Rocketboost card has been inserted into your TV and the Rocketboost network has been setup.

To change the Rocketboost sound source:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

Home

DESIGN™ 10:00pm

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

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4   Press ▲ or ▼ to highlight **Rocketboost™ settings**, then press ▶ or **SELECT**.

Settings

Appearance
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Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

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Set up Rocketboost wireless audio.

5   Press ▲ or ▼ to highlight **Change Rocketboost sound source**, then press ▶ or **SELECT**.

Rocketboost™ settings

Change Rocketboost sound source

Add another Rocketboost device
Start sending TV audio over Rocketboost
Repeat Rocketboost set up

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Choose which Rocketboost device should play sound through the TV's speakers.

6 If multiple devices are listed, press ▲ or ▼ to highlight the device, then press **SELECT**.

INSIGNIA Rocketboost™ settings

Rocketboost Source

Press SELECT on the source you want to listen to.

◁ TV (HDMI 1) ▷

Source 1
Source 2
Source 3
Source 4

Choose which Rocketboost device should play sound through the TV's speakers.

Warning

You can have up to five Rocketboost sound sources (transmitting audio simultaneous) in the network. This includes the TV transmit sound source if you are sending the TV audio over Rocketboost. If you want to display five other sources in the list, do not send TV audio over Rocketboost. For more information, see "Listening to TV audio through other Rocketboost devices" on page 58.

Using a different Rocketboost manager

When you are using the Rocketboost network with another device as the manager, you can switch to use a different Rocketboost network configured with a different manager. This may be useful if you want to limit the available sound sources to specific Rocketboost networks.

You can also use the following steps if you change your Rocketboost hub or manager to a different Rocketboost device.

Note

To add other Rocketboost device to the network with another device as the manager, refer to the devices' documentation for more information.

To use a different Rocketboost manager:

**1** Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

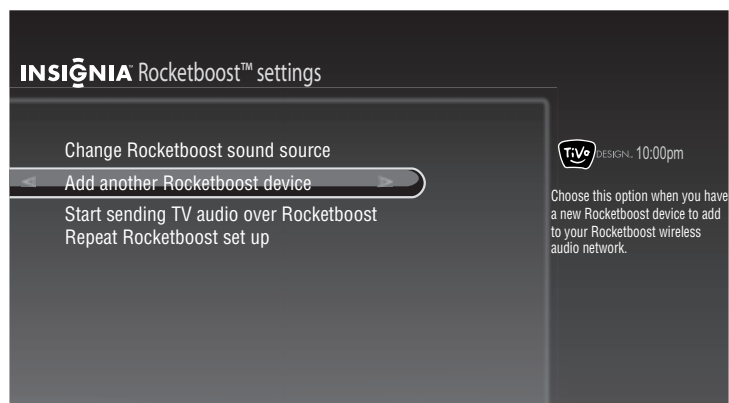**2** Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA

Home

Settings
Connect to the Internet

Settings
Parental Controls
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Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA Settings

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Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

4 Press ▲ or ▼ to highlight **Rocketboost™ settings**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance	Sound effects volume	ⓉⓘⓋⓞ DESIGN™ 10:00 PM
Audio	Alternate audio	
Channels & providers	Dolby Digital	Set up Rocketboost wireless audio.
Devices	Audyssey Dynamic Volume™	
Network	SRS TruSurround HD™	
Recommendations	Rocketboost™ settings	
Video	Manually adjust audio	
	Audio only (no video)	
	TV speakers	
	Audio return channel (ARC)	

5 Press ▲ or ▼ to highlight **Use a different Rocketboost manager**, then press ▶ or **SELECT**.

INSIGNIA™ Rocketboost™ settings

ⓉⓘⓋⓞ DESIGN™ 10:00pm

Change Rocketboost sound source
Use a different Rocketboost manager
Start sending TV audio over Rocketboost
Repeat Rocketboost set up

Choose this option if you have changed which Rocketboost device is the manager(hub mode is enabled on another device). To use the TV as the manager, choose "Repeat Rocketboost set up."

6 Press and hold the power button of the Rocketboost manager.

Press the Manager's Power Button

Go to the Rocketboost manager device and press and hold the POWER button for 3 seconds. The manager's green LED will flash and then turn solid when the TV has located the manager.

⭘

LEFT or CLEAR to stop

7 Press **SELECT** to return to the previous screen.

Rocketboost Setup Complete

The TV has successfully located the Rocketboost manager.
To listen to Rocketboost devices other than the TV, press AUDIO and choose "Change Rocketboost sound source".

◄   OK   ►

Listening to TV audio through other Rocketboost devices

You can listen to your TV audio through other Rocketboost devices. For example, you can listen to TV audio around your house using Rocketboost enabled headphones (RF-RBWHP01) or the Rocketboost indoor/outdoor speaker (RF-RBWS02).

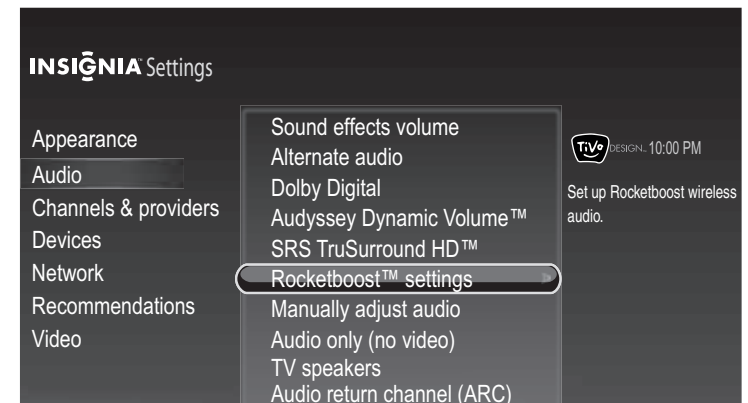| Note |
|---|
| This can only be done when a Rocketboost card has been inserted into your TV and the Rocketboost network has been setup. |

To listen to TV audio through other Rocketboost devices:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

www.insigniaproducts.com

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
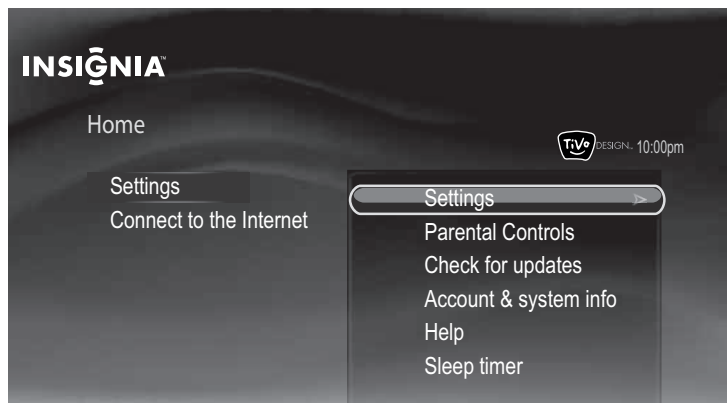
3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.
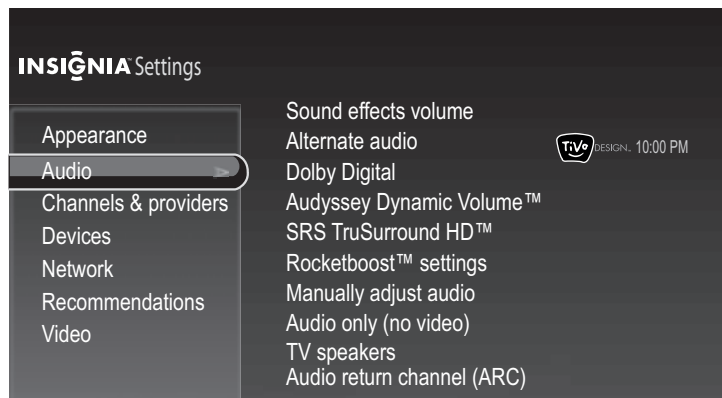
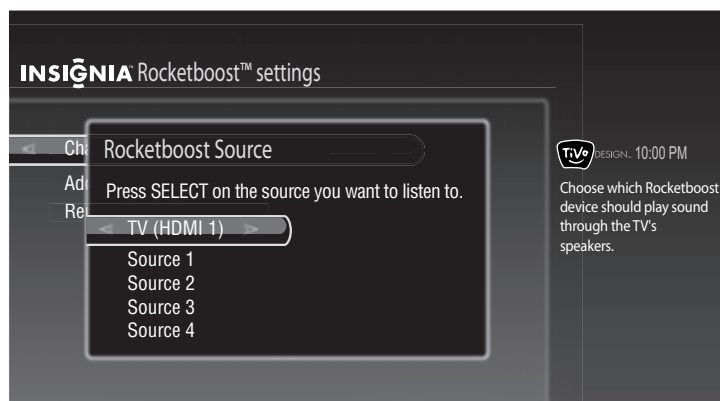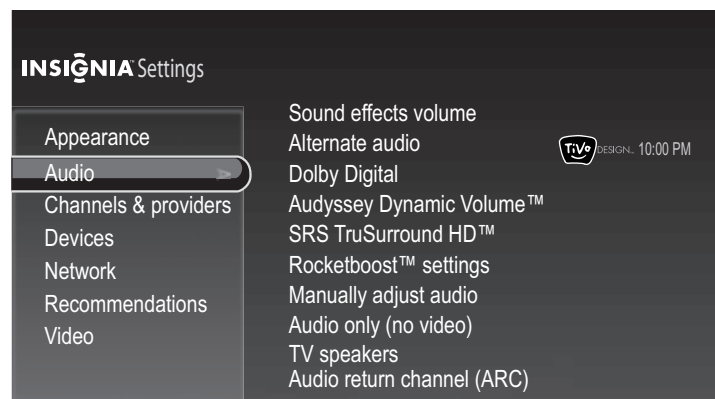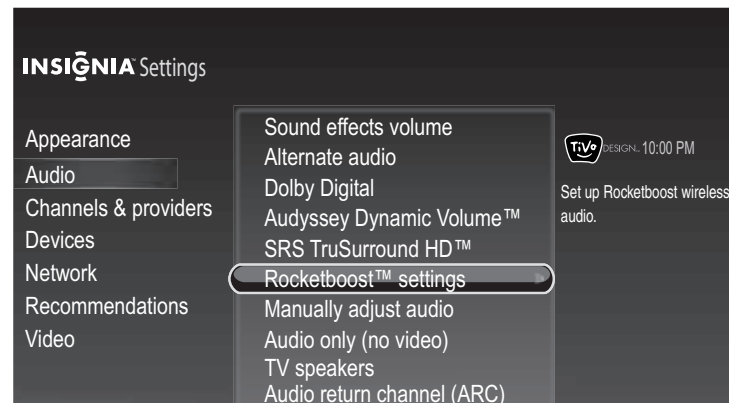**4** Press ▲ or ▼ to highlight **Rocketboost™ settings**, then press ▶ or **SELECT**.
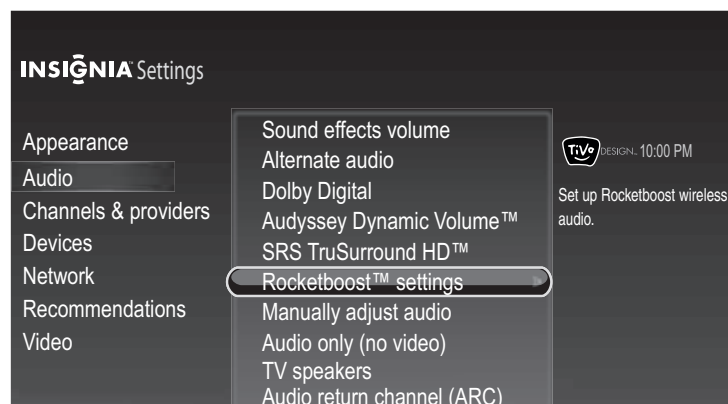
5 Press ▲ or ▼ to highlight **Start sending TV audio over Rocketboost**, then press ▶ or **SELECT**.

6 Press ▲ or ▼ to highlight **Yes, start sending TV audio to Rocketboost**, then press ▶ or **SELECT**.

Note
You can have up to five simultaneous Rocketboost sound sources (transmitting audio) in your network.
If your network already has five Rocketboost sound sources, you will have to turn off one of the other sound sources if you want to enable the TV audio on the Rocketboost network.

Repeating the Rocketboost set up

To repeat the Rocketboost set up:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

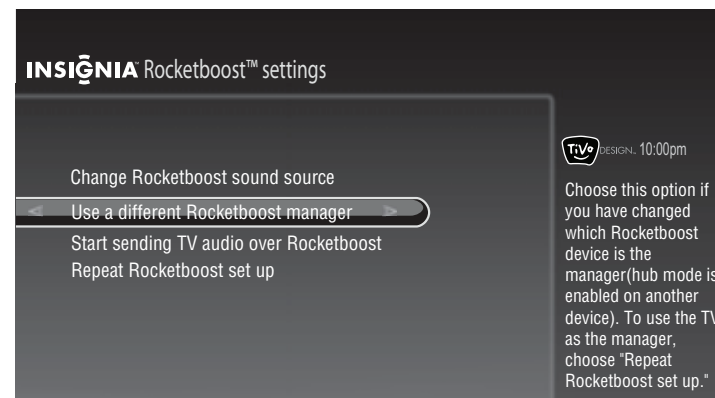2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

Home

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
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Sleep timer

3   Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

Settings

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Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

4   Press ▲ or ▼ to highlight **Rocketboost™ settings**, then press ▶ or **SELECT**.

Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

Set up Rocketboost wireless audio.

5   Press ▲ or ▼ to highlight **Repeat Rocketboost set up**, then press ▶ or **SELECT**. For instructions, see "Setting up Rocketboost™" on page 51.

Rocketboost™ settings

Change Rocketboost sound source
Add another Rocketboost device
Start sending TV audio over Rocketboost
Repeat Rocketboost set up

Start Rocketboost setup from the beginning. Redo set up if you want to change which Rocketboost device is the manager.

Expanding your Rocketboost System

Rocketboost technology is expandable. Each Rocketboost Receiver can select the audio from any Sender in your Rocketboost audio network.

You can set up your network to meet your specific needs. The following highlight some of the Rocketboost products you may want to use with your Rocketboost enabled TV:

• RF-RBWHP01, Rocketboost Wireless Headphones, include a Sender device and wireless headphones. You can listen to audio sources connected to the Sender or directly from your TV using the wireless headphones.

• RF-RBWS02, Rocketboost Wireless Indoor/Outdoor Speaker, includes a wireless speaker and the RF-RBAUX wireless sender/receiver. You can listen to audio sources connected to the sender/receiver or audio from your TV using the wireless speaker.

• RF-RBAUX, Rocketboost Wireless Sender/Receiver can be used as both a Sender and Receiver. As a Sender, you can connect it to your other audio source devices (like a home theater or mp3 player) and receive that audio using your TV or any other Rocketboost Receiver. As a Receiver you can connect it to your stereo system or amplified speakers and listen to the audio from your TV or any other Rocketboost sender.

• RF-RBREC, Rocketboost Amplified Audio Receiver, is an amplified Receiver. You connect speakers to this and listen to audio from your TV or any of your Rocketboost Sender devices. This is a great way to expand your Rocketboost system to listen to your music anywhere in the house.

• RF-RBKIT, Rocketboost Wireless HD Starter Kit, includes a Sender device and the RF-RBREC, amplified Receiver. This product can be used for home theater wireless surround sound for multi-room audio.

For more information, and to see what other Rocketboost products are available, visit www.rocketboost.com.

Rocketboost Network Capabilities

The maximum number of Rocketboost devices in a Rocketboost Network is nine. If you already have nine devices and attempt to join another one, the joining will fail for the new device.

> **Note**
>
> If you want to remove a device from your Rocketboost network you need to rejoin it to a different hub device (this basically creates a second Rocketboost network).

The maximum number of audio streams that can be sent simultaneously on the Rocketboost network is one of the following:

• 5 stereo CD quality
• 1 stereo HD quality + 3 CD quality
• 2 stereo HD quality + 2 stereo CD quality
• 3 stereo HD quality

> **Note**
>
> HD streams are available if using the RF-RBKIT sender. If your system is in a maximum audio stream state, the TX indicator will not light on the Sender devices that have exceeded the maximum. To use those devices' audio streams, you need to turn off one of your other senders.

Playing TV audio only

You can turn off the picture on your TV and listen to the program audio only.

To play TV audio only:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

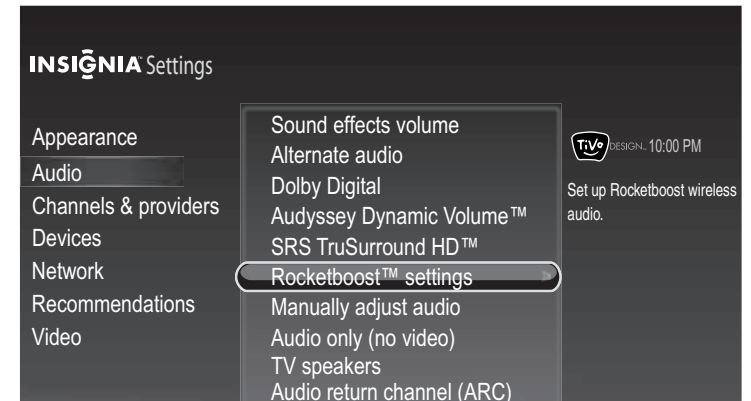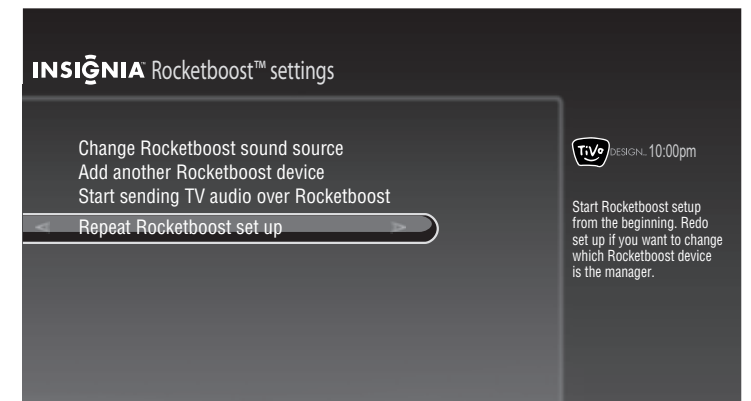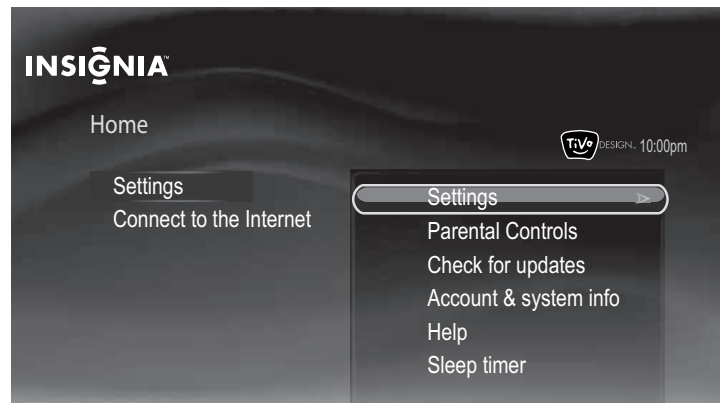**Home**   TiVo DESIGN™ 10:00pm

Settings   Settings ▷
Connect to the Internet   Parental Controls
                                  Check for updates
                                  Account & system info
                                  Help
                                  Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Sound effects volume
Audio ▷   Alternate audio   TiVo DESIGN™ 10:00 PM
Channels & providers   Dolby Digital
Devices   Audyssey Dynamic Volume™
Network   SRS TruSurround HD™
Recommendations   Rocketboost™ settings
Video   Manually adjust audio
                        Audio only (no video)
                        TV speakers
                        Audio return channel (ARC)
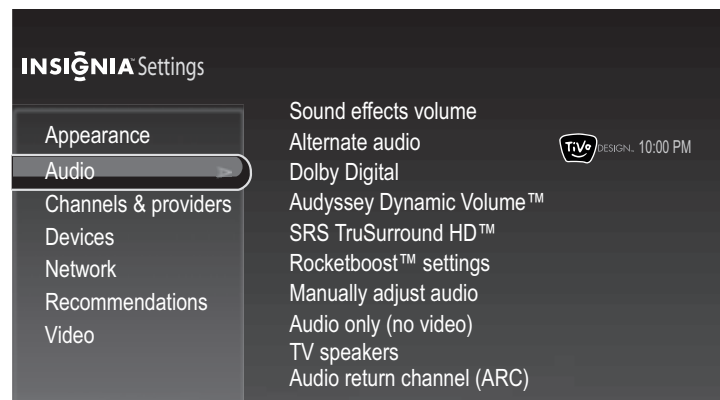
4 Press ▲ or ▼ to highlight **Audio only (no video)**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Sound effects volume
                        Alternate audio   TiVo DESIGN™ 10:00 PM
Audio   Dolby Digital
Channels & providers   Audyssey Dynamic Volume™   Turns off video but leaves on the
Devices   SRS TruSurround HD™   audio for the show that you are
Network   Rocketboost™ settings   watching.
Recommendations   Manually adjust audio
Video   Audio only (no video)   ▷
                        TV speakers
                        Audio return channel (ARC)

5 Press ▲ or ▼ to highlight **Yes, play audio and turn off video**, then press **SELECT** to save your setting and return to the previous screen.

Notes
• **Audio Only** works only when the input source is TV and your TV is receiving a broadcast signal.   • To exit audio only mode, press any button on your remote control to display the video again.

Setting the button sound effects volume

You can set the volume level of the sound you hear when pressing the buttons on the remote control.

To set the button sound effects volume:
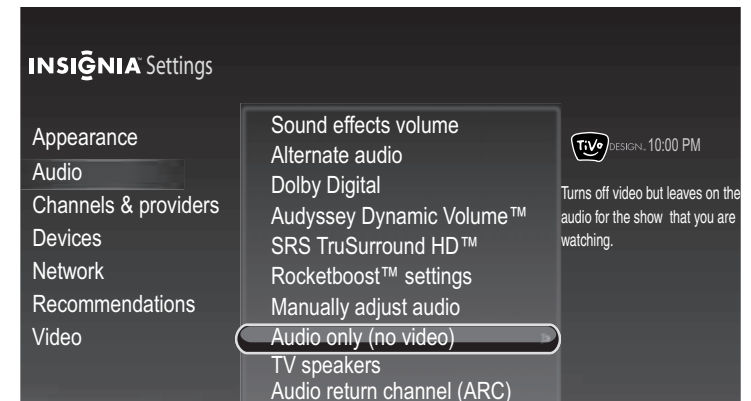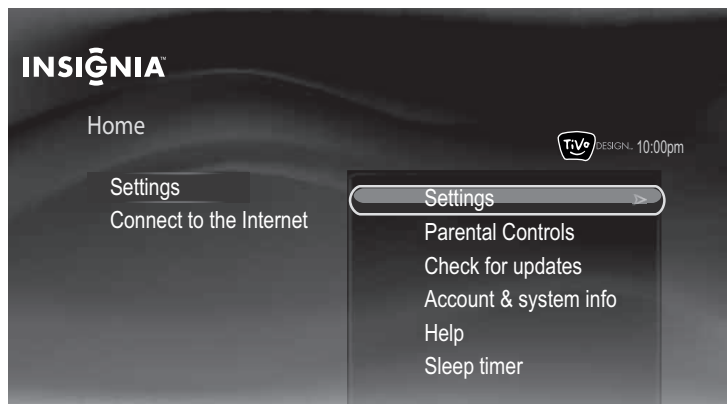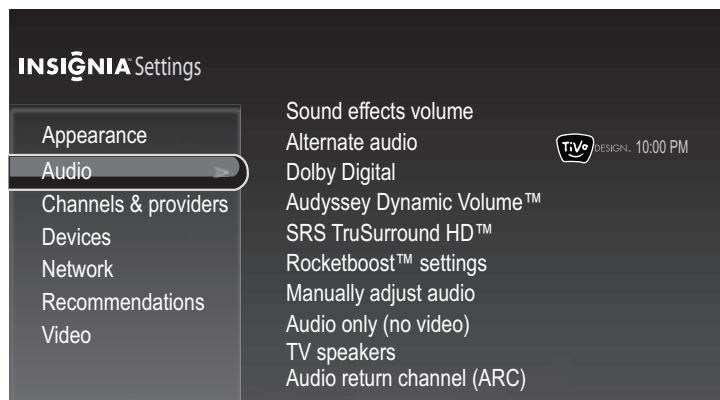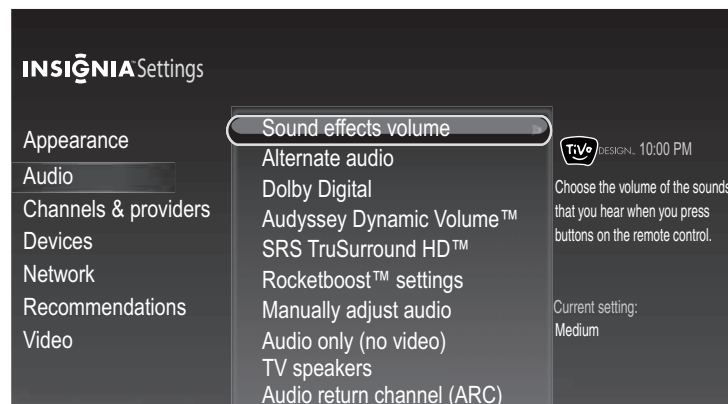
1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN. 10:00pm

Settings   Settings
Connect to the Internet Parental Controls
                        Check for updates
                        Account & system info
                        Help
                        Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA Settings

Appearance   Sound effects volume
Audio   Alternate audio   TiVo DESIGN. 10:00 PM
Channels & providers Dolby Digital
Devices   Audyssey Dynamic Volume™
Network   SRS TruSurround HD™
Recommendations   Rocketboost™ settings
Video   Manually adjust audio
                      Audio only (no video)
                      TV speakers
                      Audio return channel (ARC)

4 Press ▲ or ▼ to highlight **Sound effects volume**, then press ▶ or **SELECT**.

INSIGNIA Settings

Appearance   Sound effects volume
                Alternate audio   TiVo DESIGN. 10:00 PM
Audio   Dolby Digital
Channels & providers Audyssey Dynamic Volume™   Choose the volume of the sounds
Devices   SRS TruSurround HD™   that you hear when you press
Network   Rocketboost™ settings   buttons on the remote control.
Recommendations Manually adjust audio
Video   Audio only (no video)   Current setting:
                TV speakers   Medium
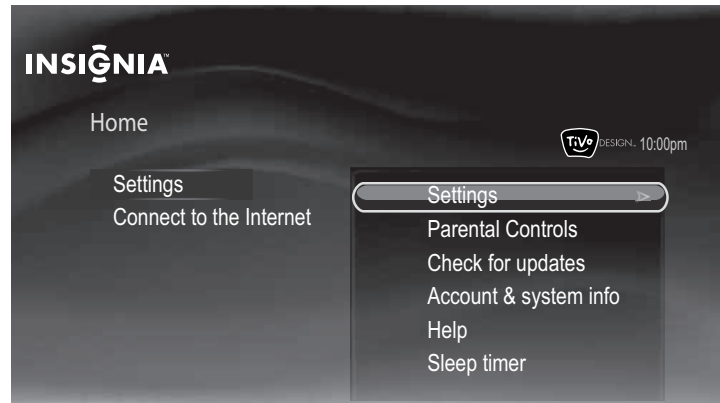   Audio return channel (ARC)

5 Press ▲ or ▼ to highlight **Off**, **Low**, **Medium**, or **High**, then press **SELECT** to save your setting and return to the previous screen.
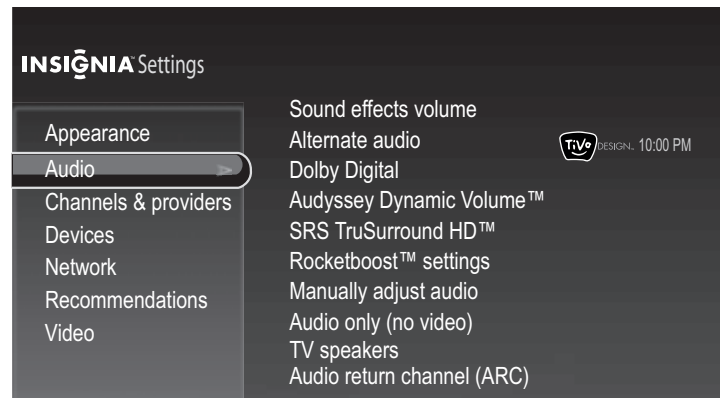
Selecting the language for a TV program

You can select the default audio language and audio program for upcoming shows that have multiple language tracks.
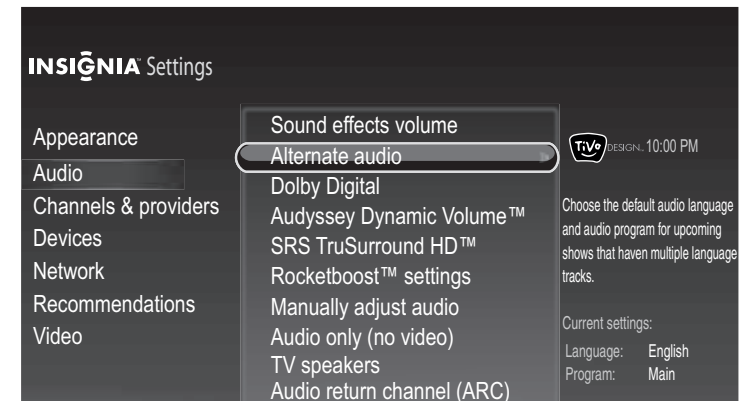
To select the language for a TV program:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home
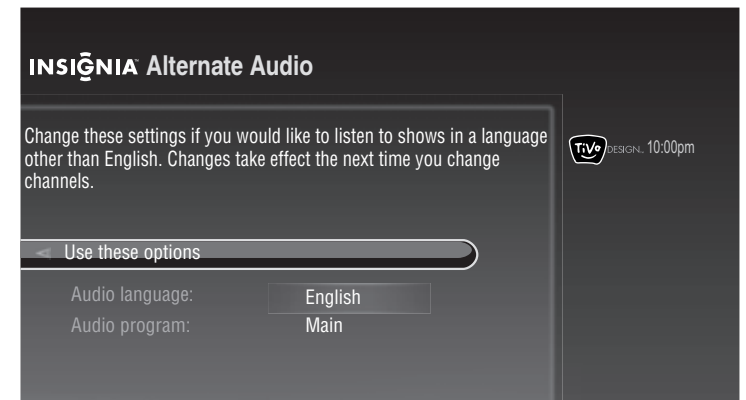
DESIGN™ 10:00pm

Settings
Connect to the Internet

Settings   ▷
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio   ▷
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio   DESIGN™ 10:00 PM
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

4 Press ▲ or ▼ to highlight **Alternate audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio   DESIGN™ 10:00 PM
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

Choose the default audio language and audio program for upcoming shows that haven multiple language tracks.

Current settings:
Language: English
Program: Main

5 Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to select a setting. You can select:

• **Audio language**—Selects the default audio language for shows that have multiple language tracks. Options are **English**, **Español** (Spanish), and **Français** (French).

• **Audio program**–Select **Main** to listen to standard audio for all shows, or select **Secondary (SAP)** to listen to a secondary audio program, if available.

INSIGNIA™ **Alternate Audio**

Change these settings if you would like to listen to shows in a language other than English. Changes take effect the next time you change channels.

DESIGN™ 10:00pm

◀ Use these options

Audio language: English
Audio program: Main

6 Press **SELECT** to highlight **Use these options**, then press **SELECT** again to save the setting and return to the previous screen.
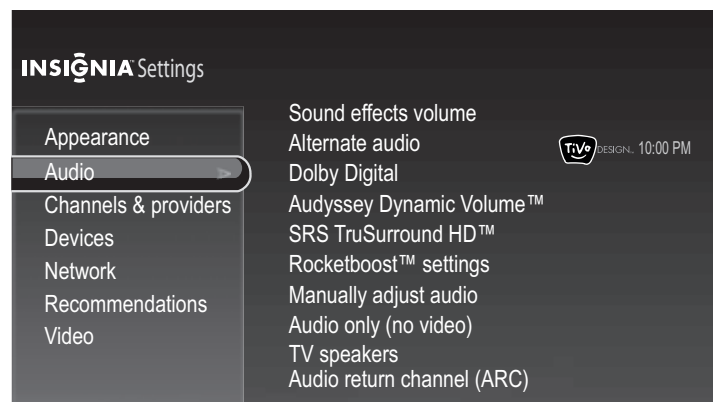
Using Audio Return Channel (ARC)

The Audio Return Channel feature sends the TV audio signal to the A/V receiver or amplifier through the HDMI cable. You do not need to connect a cable from the audio output of your TV to the audio input of the A/V receiver or amplifier.

To use Audio Return Channel:

1 Connect an ARC-enabled device to the **HDMI 1 ARC** jack on the side of your TV, and make sure that the ARC feature on the connected device is turned on.

2 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

3 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
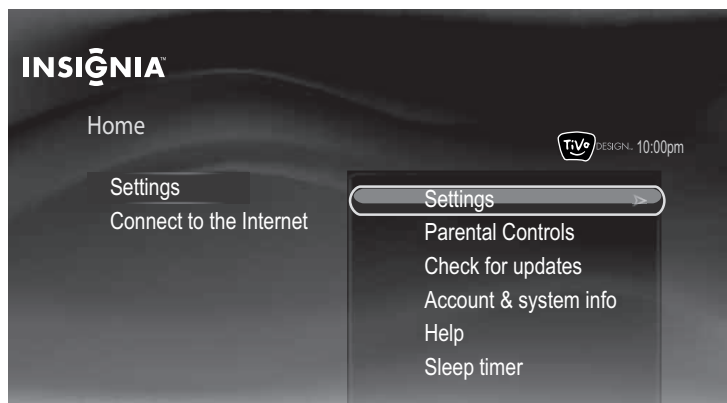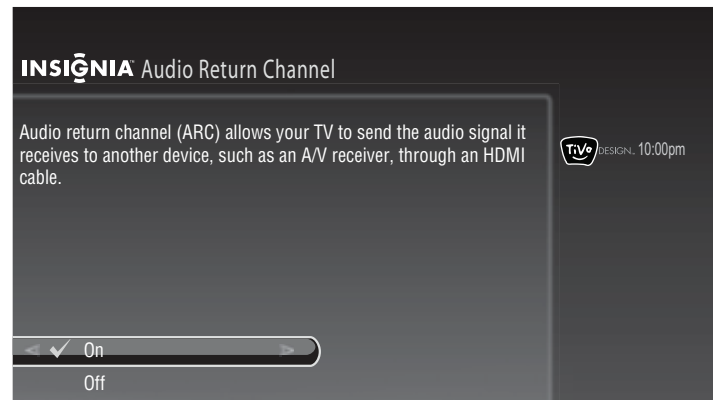

4 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

5 Press ▲ or ▼ to highlight **Audio return channel (ARC)**, then press ▶ or **SELECT**.
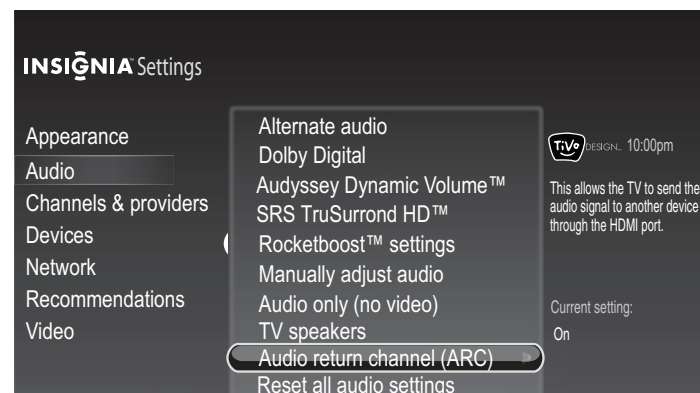
6 Press ▲ or ▼ to highlight **On** or **Off**, then press **SELECT** to save the setting and return to the previous screen.
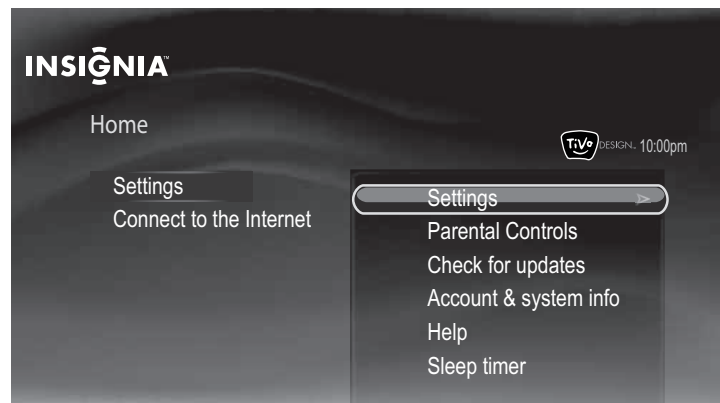
INSIGNIA™ Audio Return Channel

Audio return channel (ARC) allows your TV to send the audio signal it receives to another device, such as an A/V receiver, through an HDMI cable.

Ti:Vo DESIGN™ 10:00pm

✓ On

Off

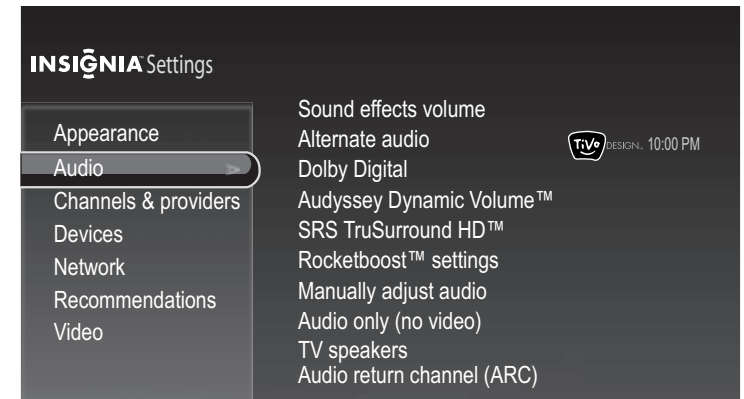## Resetting all Audio menu settings

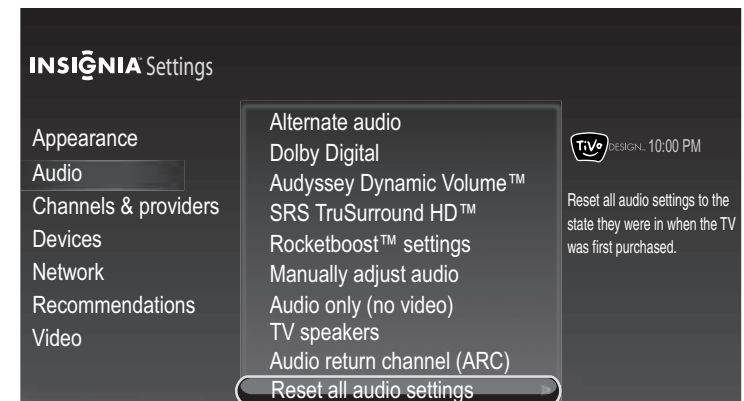| Note |
| --- |
| The audio settings will be reset to the factory defaults. |

To reset all Audio menu settings:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home

Ti:Vo DESIGN™ 10:00pm

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Audio**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Sound effects volume
Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)

Ti:Vo DESIGN™ 10:00 PM

4 Press ▲ or ▼ to highlight **Reset all audio settings**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Alternate audio
Dolby Digital
Audyssey Dynamic Volume™
SRS TruSurround HD™
Rocketboost™ settings
Manually adjust audio
Audio only (no video)
TV speakers
Audio return channel (ARC)
Reset all audio settings

Ti:Vo DESIGN™ 10:00 PM

Reset all audio settings to the state they were in when the TV was first purchased.

5 Press ▲ or ▼ to highlight **Yes, reset all audio settings**, then press **SELECT**. The audio settings are reset to factory defaults.

Changing channel settings

Automatically scanning for channels

When you scan for channels, your TV searches for channels with signals and stores the channel information in the channel list. When you press **CH▲** or **CH▼**, your TV goes to the next or previous channel in the channel list.

If the TV signal source changes, for example you change from an outdoor antenna to cable TV (no box), you need to scan for channels.
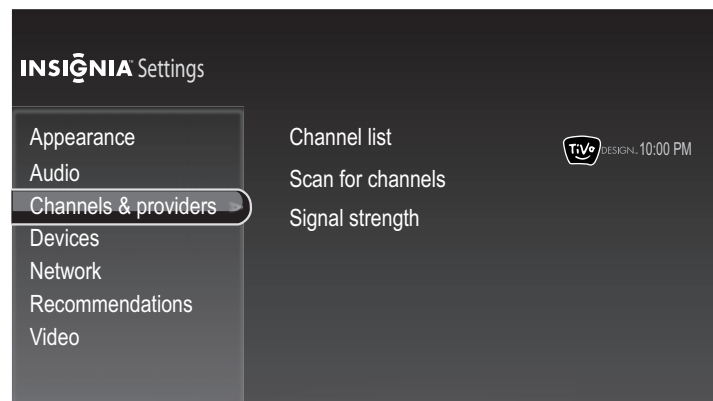
Note
If you are using a cable box or satellite TV box, you do not have to scan for channels.

To automatically scan for channels:

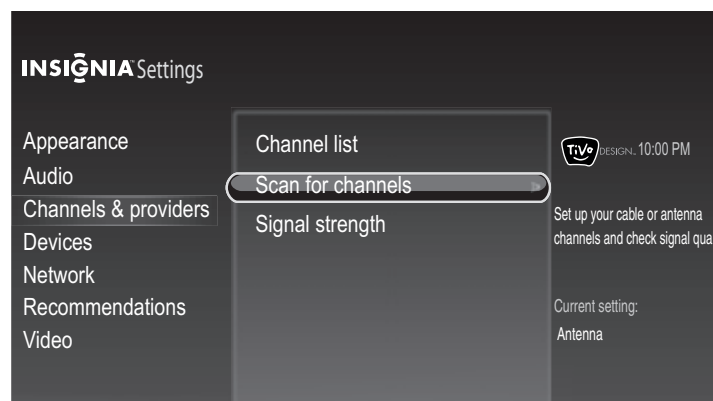**1** Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
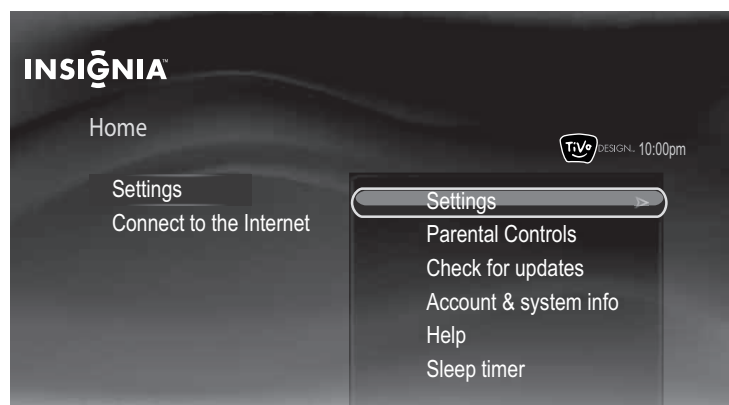
3 Press ▲ or ▼ to highlight **Channels & providers**, then press ▶ or **SELECT**.

4 Press ▲ or ▼ to highlight **Scan for channels**, then press ▶ or **SELECT**.

5 Press ▲ or ▼ to highlight **Cable (without a box)** or **Antenna**, then press **SELECT**. The Channel Scan starts.

- If you are using an antenna for a standard or HDTV signal, select **Antenna**.
- If your cable is connected directly to the TV (using no cable box), select **Cable (without a box)**.
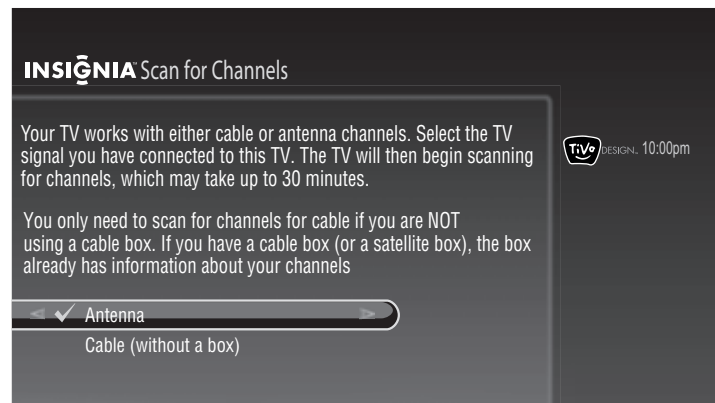
If your cable or satellite TV is connected to your TV through a cable or satellite box, the channel search is not necessary because the cable or satellite box already has the channel information needed to communicate with your TV.

Note
You can press **CLEAR**, **MENU**, or **EXIT** to stop the channel scan, but you will need to run the channel scan again to create a channel list.

Setting up the channel and favorite channel lists

You can add, hide, or mark favorite channels in the channel list.

To set up the channel and favorite channel lists:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

**2** Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

3 Press ▲ or ▼ to highlight **Channels & providers**, then press ▶ or **SELECT**.

68
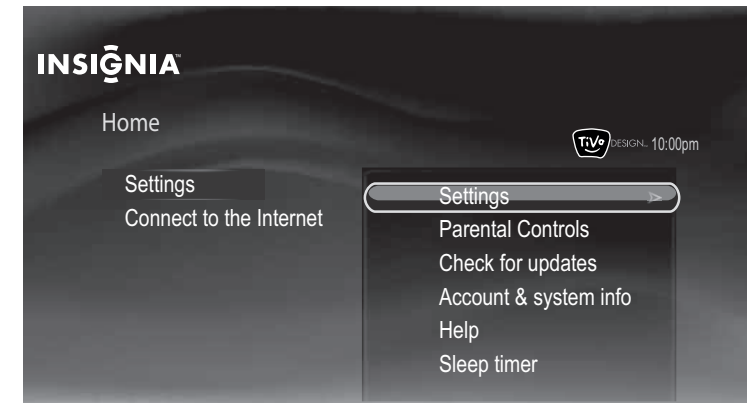
4 Press ▲ or ▼ to highlight **Channel list**, then press ▶ or **SELECT**.

INSIGNIA Settings

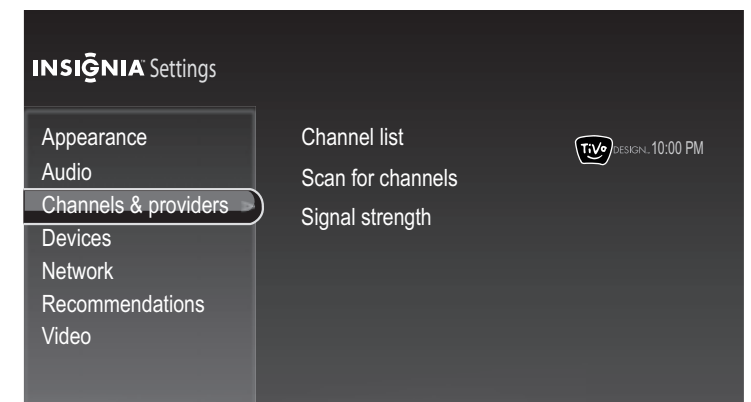|		
Appearance	Channel list	TiVo DESIGN. 10:00 PM
Audio		
Channels & providers	Scan for channels	Select the channels you want
Devices	Signal strength	displayed in Live TV.
Network		Set up your favorite channels.
Recommendations		
Video		

5 Press ▲ or ▼ to highlight a channel, then press:

- **SELECT:**
  - If the channel is selected, unselects the channel, then highlights the next channel in the list.
  - If the channel is unselected, selects the channel, then highlights the next channel in the list.

- 👍 to add the channel to the favorite list or press 👎 to remove the channel from the favorite list.

- **INFO** to rename a channel. Use the on-screen keyboard to enter a new name and assign it to the channel. For more information, see "Using the on-screen keyboard" on page 36.

INSIGNIA Channel List

Use number buttons to jump to a specific channel. Press SELECT to mark channels you receive , orTHUMBS UP to mark favorite.

TiVo DESIGN. 10:00pm

KTVU

Press INFO to rename

2	KTVU	Fox Affiliate
3	KNTV	
4	HBOP	Home Box Office (Pacific)
5	KPIX	CBS Affiliate
6	KICU	Independent
7	KGO	ABC Affiliate
8	KTSF	Independent
9	KOED	PBS Independent

6 Press ◄ to go to the previous screen or press **EXIT** to close the menu.

Viewing a favorite channel

To view a favorite channel:

1 Press **FAV**. The favorite channel list opens.

2 Press ▲ or ▼ to highlight a favorite channel, then press **SELECT**.

Checking the signal strength

You can check the signal strength to determine if you need to adjust your antenna or cable input. The higher the signal strength, the less likely you are to experience picture degradation.
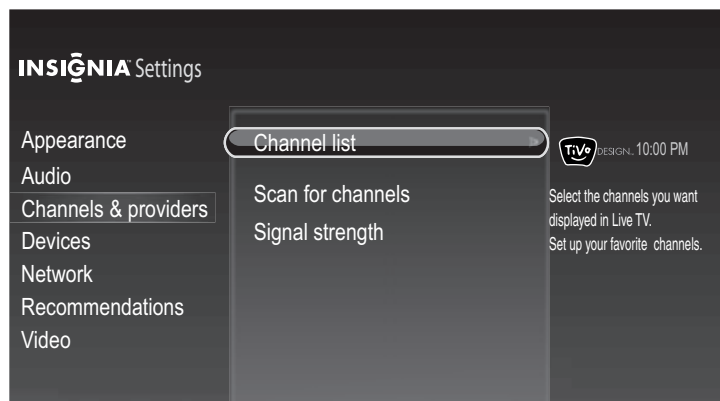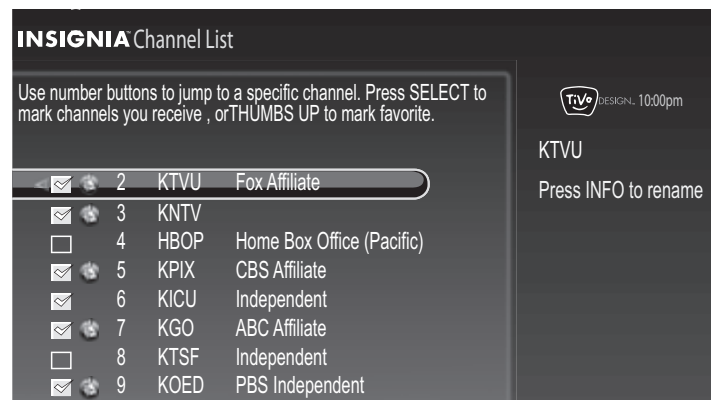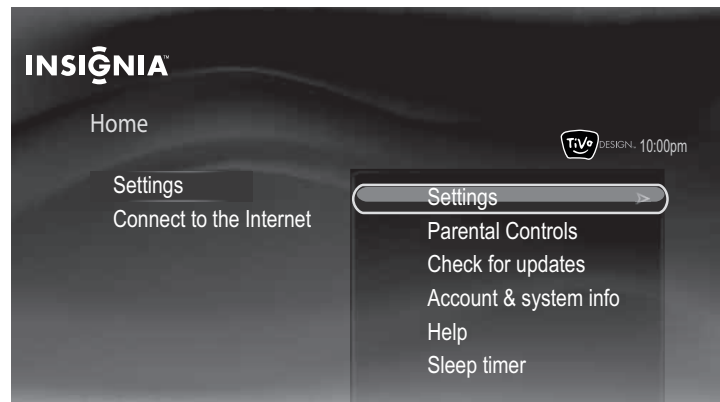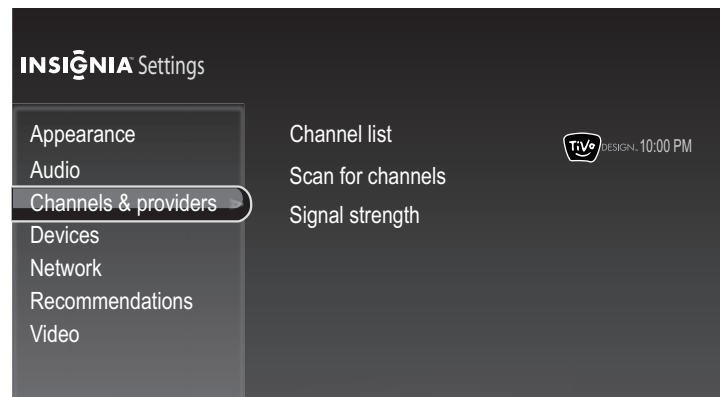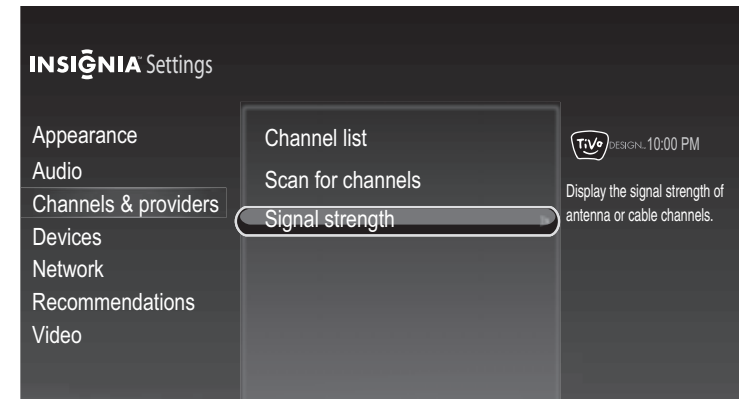
To check the signal strength:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN™ 10:00pm

Settings   Settings
Connect to the Internet   Parental Controls
                            Check for updates
                            Account & system info
                            Help
                            Sleep timer

3 Press ▲ or ▼ to highlight **Channels & providers**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Channel list   TiVo DESIGN™ 10:00 PM
Audio   Scan for channels
Channels & providers   Signal strength
Devices
Network
Recommendations
Video

4 Press ▲ or ▼ to highlight **Signal strength**, then press ▶ or **SELECT**. The *Signal Strength* screen opens showing the signal strength meter for the last watched channel.

INSIGNIA™ Settings

Appearance   Channel list   TiVo DESIGN™ 10:00 PM
Audio   Scan for channels
Channels & providers   Signal strength   Display the signal strength of
Devices   antenna or cable channels.
Network
Recommendations
Video

5 Press **CH▲** or **CH▼** to change channels, or press **CLEAR** or **EXIT** to close the *Signal Strength* screen and return to full screen video.

Signal Strength

Channel 2 KTVUDT
|||||||||||||||||||||||||||||||||| 48   Peak: 62
Signal acquired

CHAN UP/DOWN or 0-9 to change channels, CLEAR to exit.
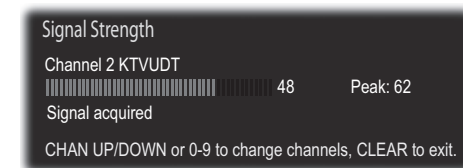
Setting parental controls

Parental controls let you control what your children watch on TV. When set, parental controls read the rating of the program (with some exceptions, such as news and sports) and deny access to programs that exceed the rating level you select. To watch programs that exceed the selected rating, you must enter your PIN (password).

Setting the PIN (password)

To set PIN (password):

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.

Home
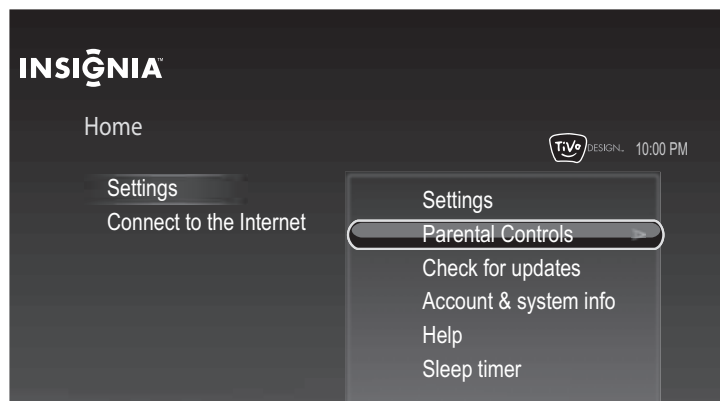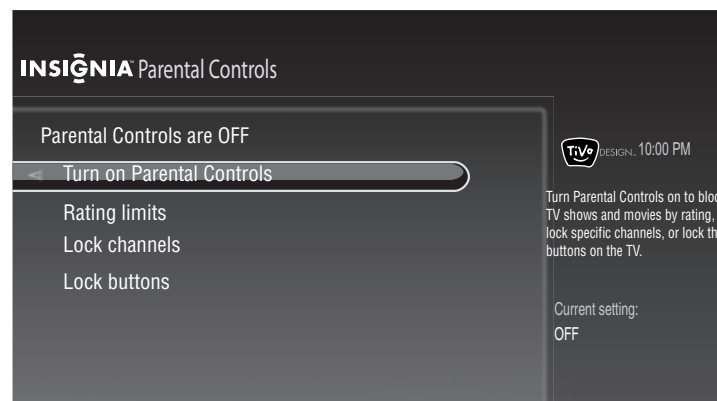
TiVo DESIGN. 10:00 PM

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight any *Parental Controls* option, then press ▶ or **SELECT**. The *Set PIN* screen opens.

Parental Controls

Parental Controls are OFF

◄   Turn on Parental Controls

Rating limits
Lock channels
Lock buttons

TiVo DESIGN. 10:00 PM

Turn Parental Controls on to block TV shows and movies by rating, lock specific channels, or lock the buttons on the TV.

Current setting:
OFF

4   Press the number buttons to enter your personal four-digit PIN. The *Confirm PIN* screen opens. Enter the PIN again.
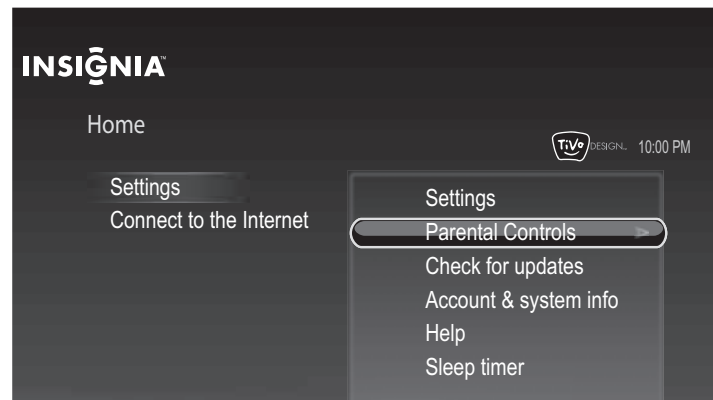
Changing the PIN (password)

Note
You can only change the PIN if you have set a PIN and turned on Parental Controls.

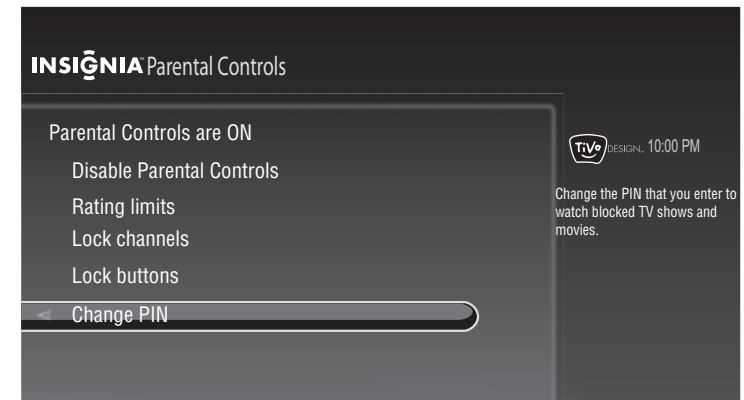**To change the PIN:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.

INSIGNIA™

Home

TiVo DESIGN. 10:00 PM

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press the number buttons to enter your four-digit PIN. The *Parental Controls* screen opens.

4 Press ▲ or ▼ to highlight **Change PIN**, then press ▶ or **SELECT**. The *Current PIN* screen opens.

INSIGNIA™ Parental Controls

Parental Controls are ON

Disable Parental Controls
Rating limits
Lock channels
Lock buttons
Change PIN

TiVo DESIGN. 10:00 PM

Change the PIN that you enter to watch blocked TV shows and movies.

5 Press the number buttons to enter the current four-digit PIN. If you forgot your PIN, enter **9999**. The *New PIN* screen opens.

6 Press the number buttons to enter the new four-digit PIN. The *Confirm PIN* screen opens.

7 Press the number buttons to enter the new four-digit PIN again. The *Parental Controls* screen opens.

INSIGNIA

Turning Parental Controls on or off

Tuning Parental Controls on or off:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.
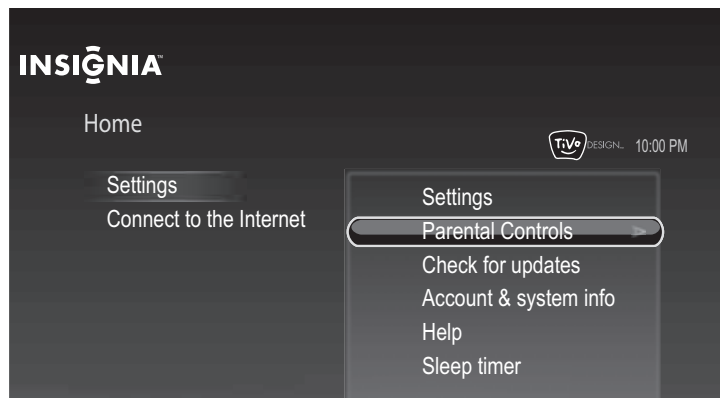
Note

If Parental Controls is set to **On**, you have to enter your PIN to access the *Parental Controls* menu.

3   Press ▲ or ▼ to highlight **Turn on Parental Controls** or **Disable Parental Controls**, then press **SELECT**.

Note

If you select **Disable Parental Controls**, you have to enter your PIN.

Setting Parental Control levels

To set Parental Control levels:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN... 10:00 PM

Settings   Settings
Connect to the Internet   Parental Controls   ▶
                                  Check for updates
                                  Account & system info
                                  Help
                                  Sleep timer

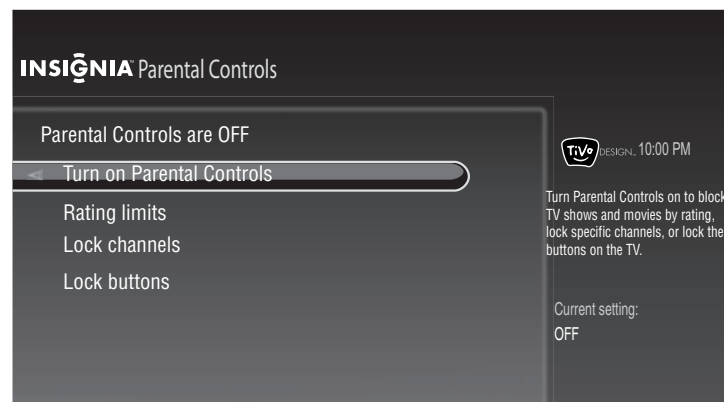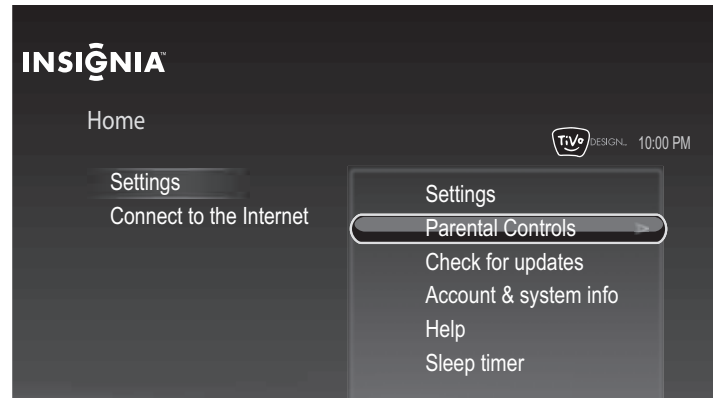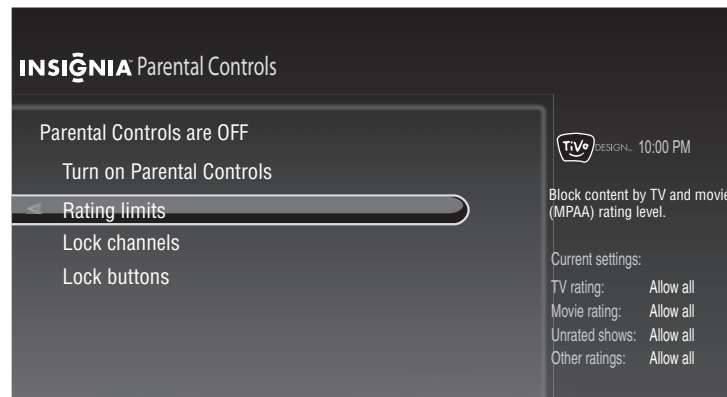**Note**

If **Parental Controls** is set to on, you have to enter your PIN to access the *Parental controls* menu.

3 Press ▲ or ▼ to highlight **Rating limits**, then press ▶ or **SELECT**.

INSIGNIA™ Parental Controls

Parental Controls are OFF   TiVo DESIGN... 10:00 PM

   Turn on Parental Controls
◀ Rating limits   Block content by TV and movie
   Lock channels   (MPAA) rating level.
   Lock buttons
                                   Current settings:

                                   TV rating: Allow all
                                   Movie rating: Allow all
                                   Unrated shows: Allow all
                                   Other ratings: Allow all

4 Press ▲ or ▼ to highlight a rating option, then press ◀ or ▶ to select a rating level.

5 After setting all the options, press **SELECT** to highlight **Use these settings**, then press **SELECT** again to save your settings and return to the previous screen.

Note

You can watch a program that exceeds the rating limits you set by entering your PIN to turn off Parental Controls temporarily. To turn on Parental Controls again, turn your TV off, then on again

U.S. TV ratings

Rating	Description
Not rated	NONE
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

U.S. movie (MPAA) ratings

Rating	Description
None	Movie not rated
G	General audiences
PG	Parental guidance suggested
PG-13	Suitable for children 13 and older
R	Parental guidance suggested for children under 17
NC-17	Not suitable for children under 17
AO (Adult Only)	Adults only

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Setting channel locks

You can lock specific channels. To view a locked channel, you have to enter your PIN.

To set channel locks:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN.   10:00 PM

Settings
Connect to the Internet   Settings
                                     Parental Controls
                                     Check for updates
                                     Account & system info
                                     Help
                                     Sleep timer
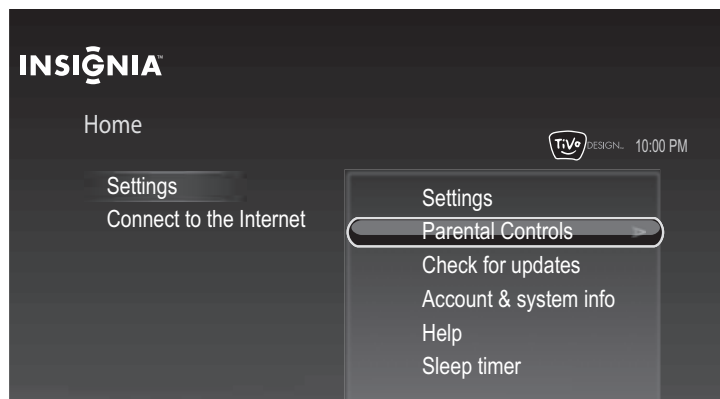
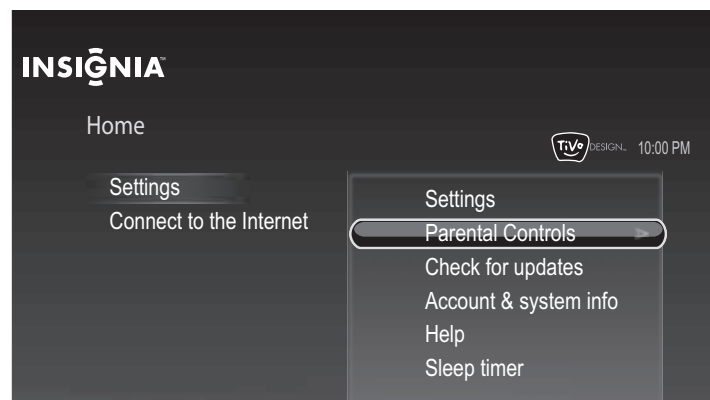| Note |
| --- |
| If **Parental Controls** is set to on, you have to enter your PIN to access the *Parental control*s menu. |

3 Press ▲ or ▼ to highlight **Lock channels**, then press **SELECT**.

4 Press ▲ or ▼ to select a specific channel.

5 Press **SELECT** to lock or unlock the channel. A locked channel is displayed with a 🔒.

6 Press ▲ or ▼ to select **Use these settings**, then press **SELECT** to save your settings and return to the previous screen.

Locking control buttons

You can lock the buttons on the front of your TV to prevent children from accidentally changing your TV settings. When the buttons are locked, you can only operate your TV using the remote control.

To lock control buttons:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Parental Controls**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN.   10:00 PM

Settings
Connect to the Internet   Settings
                                     Parental Controls
                                     Check for updates
                                     Account & system info
                                     Help
                                     Sleep timer

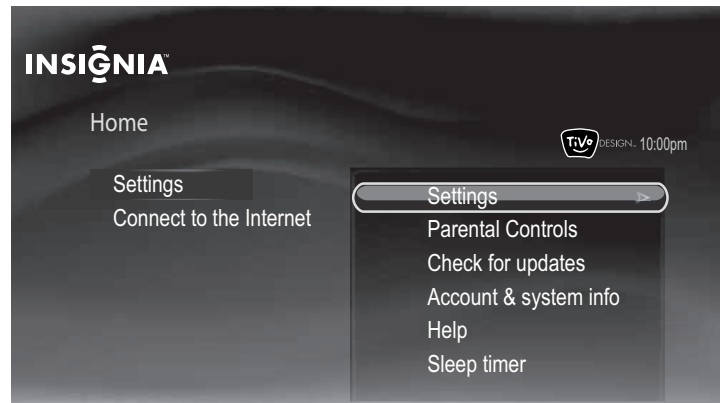| Note |
| --- |
| If **Parental Controls** is set to on, you have to enter your PIN to access the *Parental controls* menu. |

3 Press ▲ or ▼ to highlight **Lock buttons**, then press **SELECT**.

4 Press ▲ or ▼ to highlight **Lock TV buttons**, then press **SELECT** to save your setting and return to the previous screen.
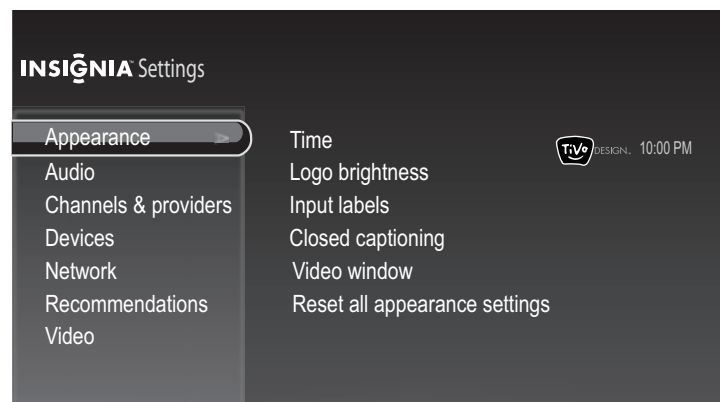
Using closed captioning

Turning closed captioning on or off
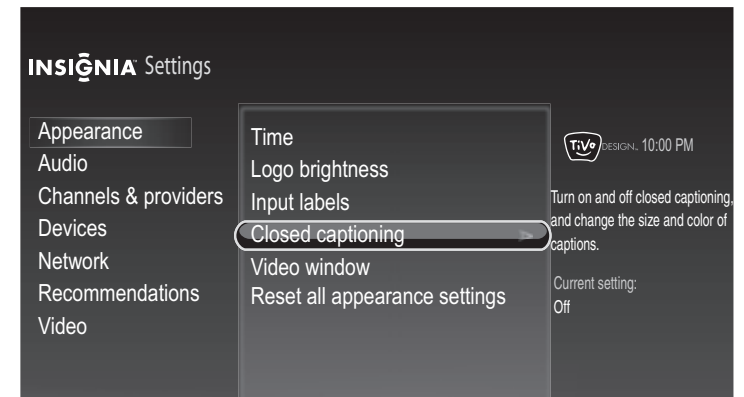
To turn closed captioning on or off:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

Home

DESIGN. 10:00pm

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

Settings

DESIGN. 10:00 PM

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

4   Press ▲ or ▼ to highlight **Closed captioning**, then press ▶ or **SELECT**.

Settings

DESIGN. 10:00 PM

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

Turn on and off closed captioning, and change the size and color of captions.

Current setting:
Off

5   Press ▲ or ▼ to highlight **Closed captioning**, then press ◀ or ▶ to select **On** or **Off**, or **On when mute**.

Notes
- You can also press **CC** to turn closed captioning on or off.
- If **Closed captioning** is set to **Off**, other closed captioning options are grayed out and are not available.
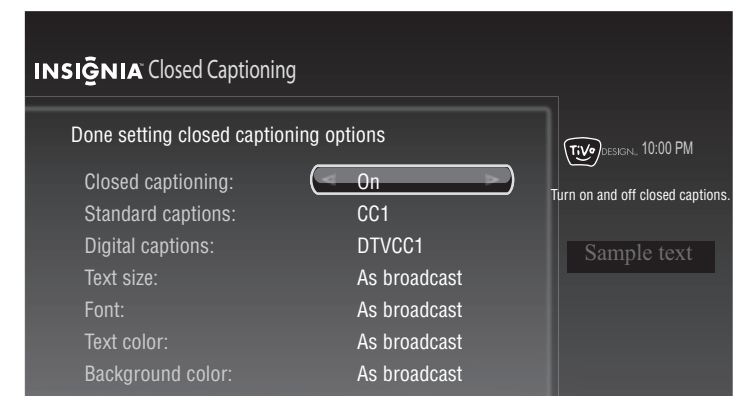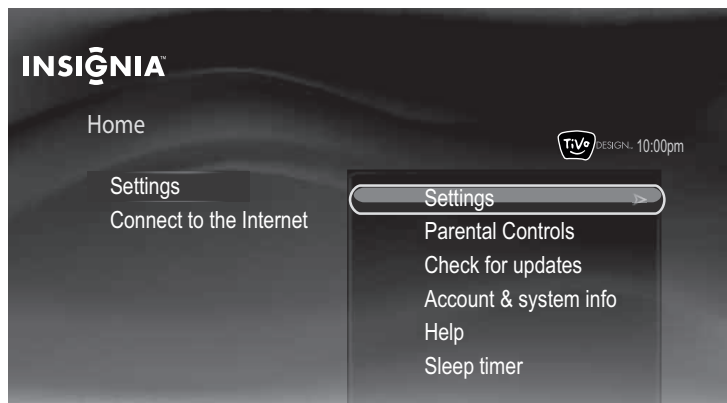
Closed Captioning

DESIGN. 10:00 PM

Done setting closed captioning options

Closed captioning:	On
Standard captions:	CC1
Digital captions:	DTVCC1
Text size:	As broadcast
Font:	As broadcast
Text color:	As broadcast
Background color:	As broadcast

Turn on and off closed captions.

Sample text

6   Press **SELECT** to highlight **Done setting closed captioning options**, then press **SELECT** again to save your setting and return to the previous screen.
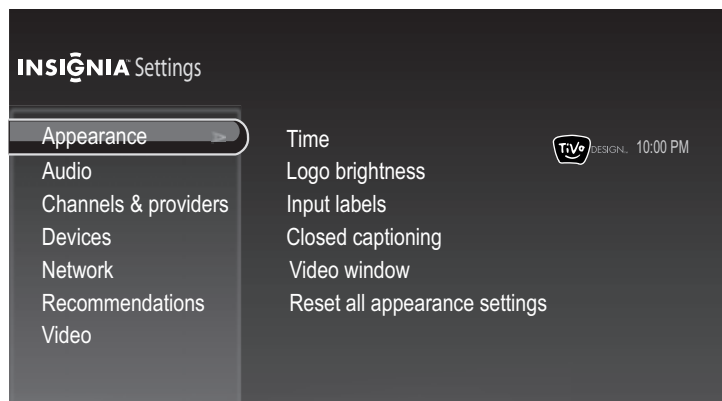
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Selecting the analog closed captioning mode

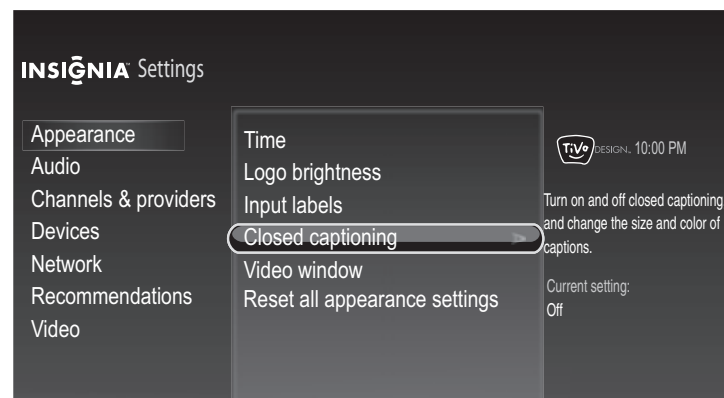**To select the analog closed captioning mode:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

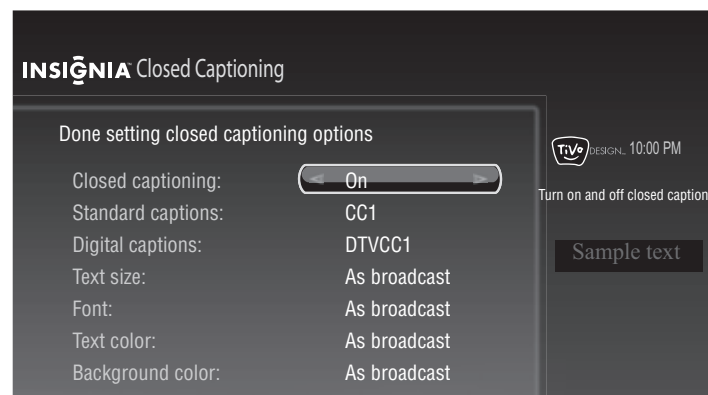Home   10:00pm

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3 Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

10:00 PM

4 Press ▲ or ▼ to highlight **Closed captioning**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

10:00 PM

Turn on and off closed captioning, and change the size and color of captions.

Current setting:
Off

5 Press ▲ or ▼ to highlight **Closed captioning**, then press ◄ or ▶ to select **On**.

INSIGNIA™ Closed Captioning

Done setting closed captioning options   10:00 PM

Closed captioning: On
Standard captions: CC1
Digital captions: DTVCC1
Text size: As broadcast
Font: As broadcast
Text color: As broadcast
Background color: As broadcast

Turn on and off closed captions.

Sample text

6 Press ▲ or ▼ to highlight **Standard captions**.

INSIGNIA™ Closed Captioning

Done setting closed captioning options

		TiVo DESIGN... 10:00 PM
Closed captioning:	On	
Standard captions:	◄ CC1 ►	CC1 is English caption. CC3 is often used for Spanish captions. (Each channel is different.)
Digital captions:	DTVCC1	
Text size:	As broadcast	Sample text
Font:	As broadcast	
Text color:	As broadcast	
Background color:	As broadcast	
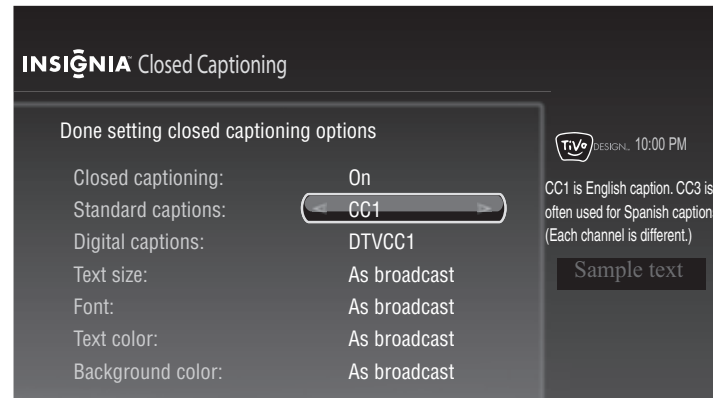
7 Press ◄ or ► to select an analog closed captioning setting. You can select **CC1** through **CC4**. Closed captioning appears in a small banner across the bottom of the screen. **CC1** is usually the "printed" version of the audio. **CC2** through **CC4** display content provided by the broadcaster.

8 Press **SELECT** to highlight **Done setting closed captioning options**, then press **SELECT** again to save your setting and return to the previous screen.
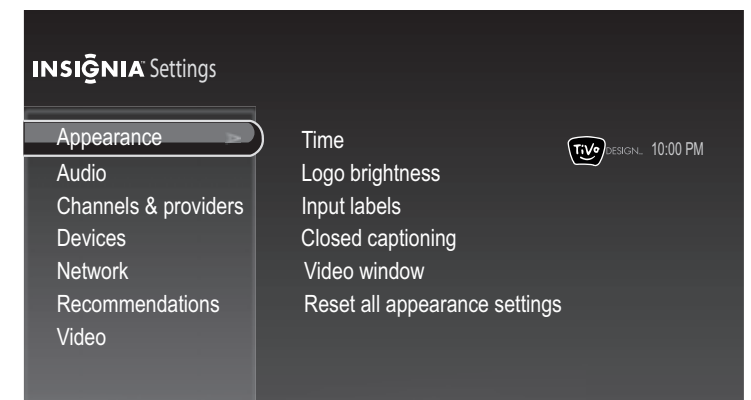
Customizing digital closed captioning
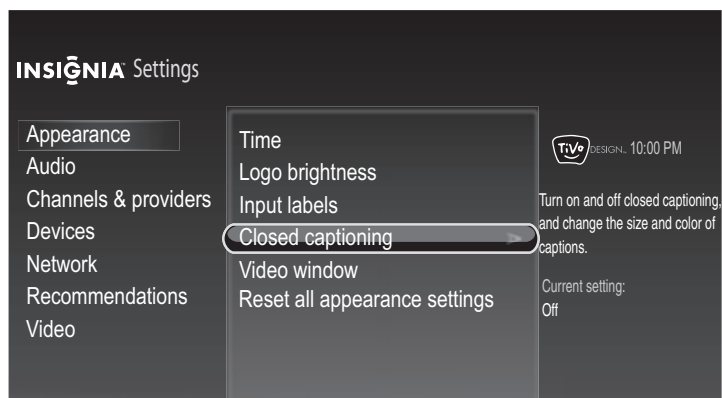
To customize digital closed captioning:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ► or **SELECT**.

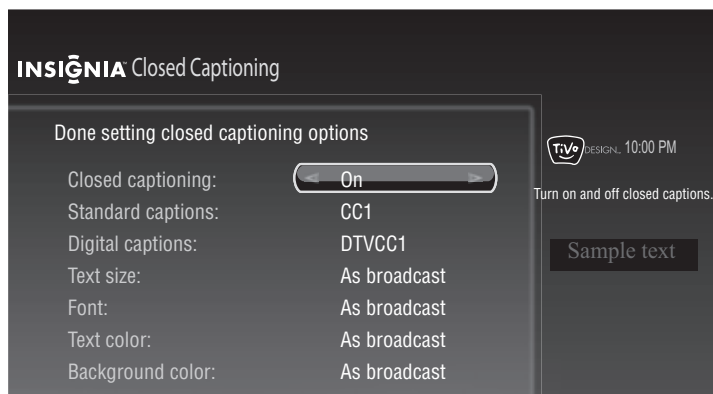**2** Press ▲ or ▼ to highlight **Settings**, then press ► or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN... 10:00pm

Settings
Connect to the Internet   Settings ►
                                Parental Controls
                                Check for updates
                                Account & system info
                                Help
                                Sleep timer

3 Press ▲ or ▼ to highlight **Appearance**, then press ► or **SELECT**.

INSIGNIA™ Settings

Appearance ►	Time	TiVo DESIGN... 10:00 PM
Audio	Logo brightness	
Channels & providers	Input labels	
Devices	Closed captioning	
Network	Video window	
Recommendations	Reset all appearance settings	
Video		

4 Press ▲ or ▼ to highlight **Closed captioning**, then press ▶ or **SELECT**.

INSIGNIA Settings

Appearance	Time	TiVo DESIGN™ 10:00 PM
Audio	Logo brightness	
Channels & providers	Input labels	Turn on and off closed captioning,
Devices	Closed captioning	and change the size and color of
Network	Video window	captions.
Recommendations	Reset all appearance settings	Current setting:
Video		Off

5 Press ▲ or ▼ to highlight **Closed captioning**, then press ◀ or ▶ to select **On**.

INSIGNIA Closed Captioning

Done setting closed captioning options

Closed captioning:	On	TiVo DESIGN™ 10:00 PM
Standard captions:	CC1	Turn on and off closed captions.
Digital captions:	DTVCC1	
Text size:	As broadcast	Sample text
Font:	As broadcast	
Text color:	As broadcast	
Background color:	As broadcast	

6 Press ▲ or ▼ to highlight a digital closed captioning option, then press ◀ or ▶ to select a digital closed caption setting. You can select:

- **Digital captions**—Selects the digital captioning setting. You can select **DTVCC1** through **DTVCC6**.
- **Text size**—Selects the font size.
- **Font**—Selects the font style.
- **Text color**—Selects the color for the words.
- **Background color**—Selects the color for the background.

INSIGNIA Closed Captioning

Done setting closed captioning options

Closed captioning:	On	TiVo DESIGN™ 10:00 PM
Standard captions:	CC1	DTVCC1 is English caption.
Digital captions:	DTVCC1	DTVCC3 is often used for Spanish
Text size:	As broadcast	captions. (Each channel is
Font:	As broadcast	different.)
Text color:	As broadcast	Sample text
Background color:	As broadcast	

7 Press **SELECT** to highlight **Done setting closed captioning options**, then press **SELECT** again to save your setting and return to the previous screen.
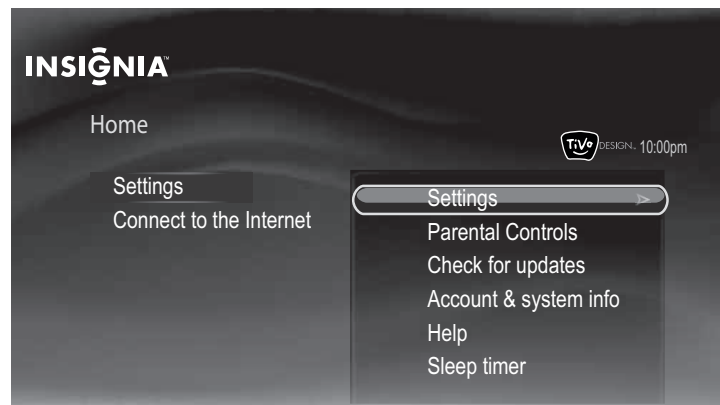
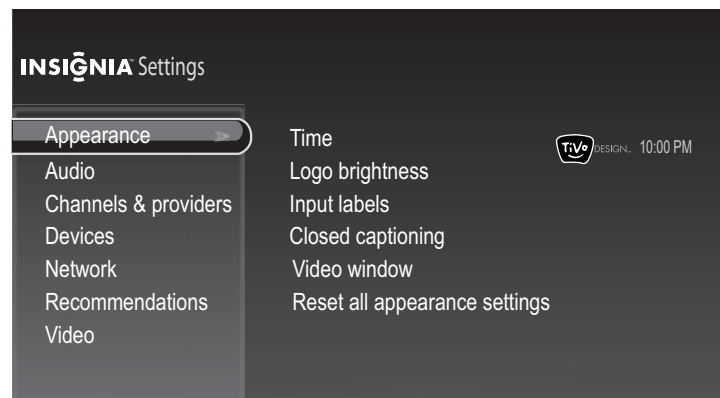# Adjusting time settings

Setting the date and time

You can set the date and time setting shown in the on-screen preview pane.
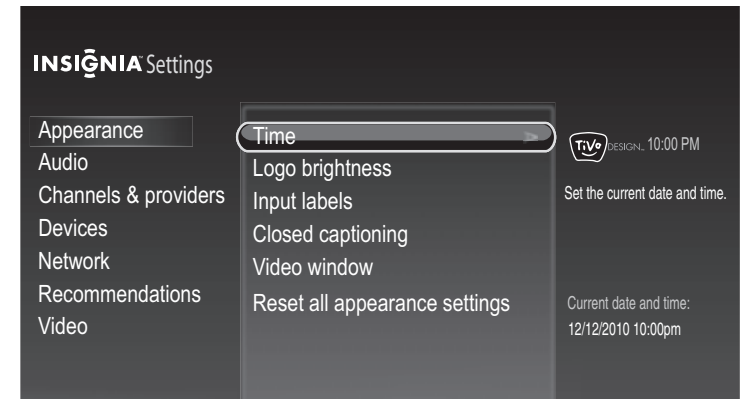
To set the date and time:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

Home

DESIGN. 10:00pm
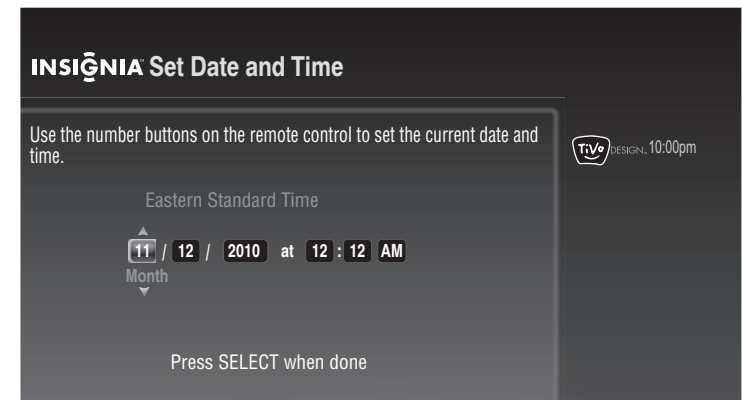
Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

DESIGN. 10:00 PM

4   Press ▲ or ▼ to highlight **Time**, then press ▶ or **SELECT**.

Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

DESIGN. 10:00 PM

Set the current date and time.

Current date and time:
12/12/2010 10:00pm

5   Press ▲ or ▼ to highlight your time zone, then press ▶ or **SELECT**.

6   Press ▲ or ▼ to select the daylight saving setting, then press ▶ or **SELECT**.

7   Follow the on-screen instructions to set the date and time values.

Set Date and Time

Use the number buttons on the remote control to set the current date and time.

DESIGN. 10:00pm

Eastern Standard Time

11 / 12 / 2010 at 12 : 12 AM
Month

Press SELECT when done

8   Press **SELECT** to save your settings and return to the previous screen.
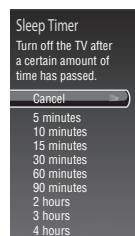
Setting the sleep timer

You can specify the amount of time you want your TV to wait before it automatically turns off.

To set the sleep timer:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Sleep timer**, then press ▶ or **SELECT**.

INSIGNIA™

Home
                                                    TiVo DESIGN. 10:00 PM

Settings   Settings
Connect to the Internet   Parental Controls
                                  Check for updates
                                  Account & system info
                                  Help
                                  Sleep timer
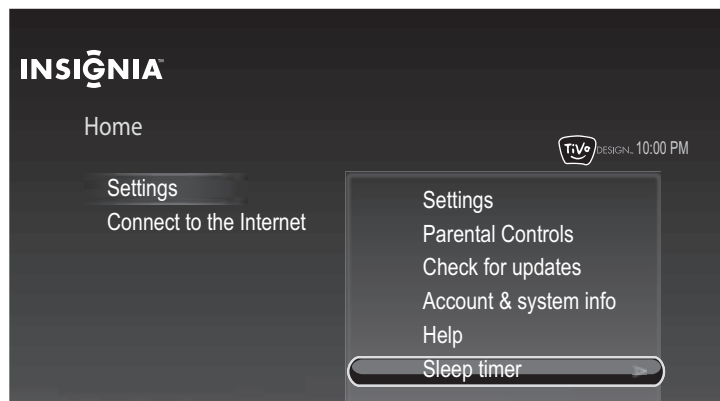
3 Press ▲ or ▼ to select the amount of time you want your TV to wait before it turns off automatically. To turn off the sleep timer, select **Cancel**.

Sleep Timer
Turn off the TV after
a certain amount of
time has passed.

Cancel
5 minutes
10 minutes
15 minutes
30 minutes
60 minutes
90 minutes
2 hours
3 hours
4 hours

4 Press **SELECT** to save your setting and close the *Sleep Timer* screen.

Note

You can also press **SLEEP** to set the sleep timer.

Adjusting Internet settings

Your TV can be connected to your wired network using the Ethernet port on the back of your TV or using a wireless network.

Using a wired network provides the best performance, because the attached devices connect directly to the network and are not subject to radio frequency interference.

Configuring a wireless connection

Regular wireless (not WPS)

You will need your network password if your router is set up to use one.

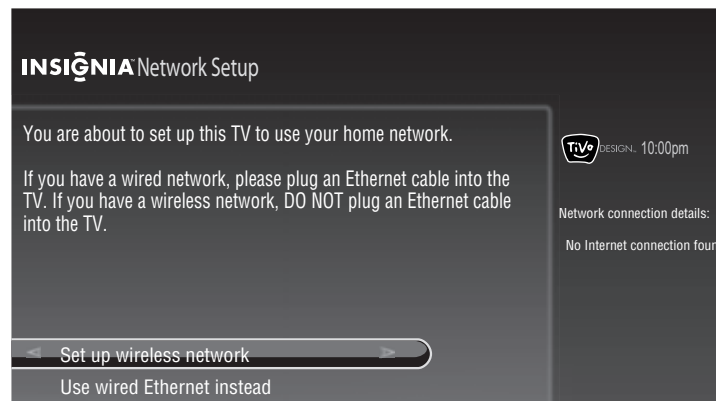**To connect the wireless network without WPS:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to highlight **Connect to the Internet**, then press ▶ or **SELECT**.

INSIGNIA™

Home
                                                    TiVo DESIGN. 10:00pm
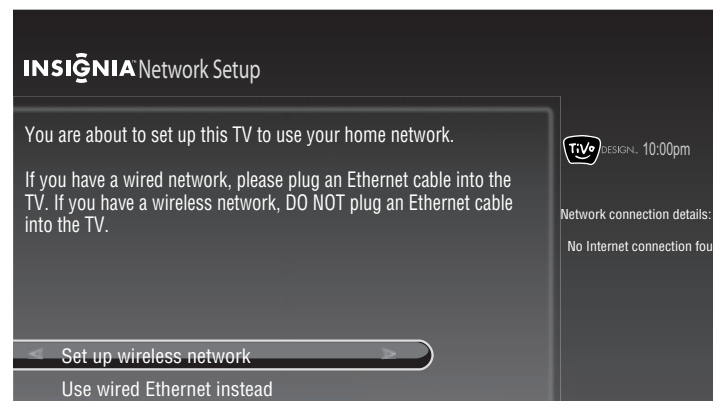
Settings   Connect this TV to your home network and
Connect to the Internet   Internet connection in order to access TV and
                            movies on demand and play web videos.
                            Simply plug an Ethernet cable into the back of
                            the TV or configure it to work with your
                            wireless network.

                            Go to Network Settings

2 When **Go to network settings** is highlighted, press **SELECT**.

Home

DESIGN. 10:00 PM

Settings
Connect to the Internet

Connect this TV to your home network and Internet connection in order to access TV and movies on demand and play web videos. Simply plug an Ethernet cable into the back of the TV or configure it to work with your wireless network.

◄ Go to network settings ►

3 Press ▲ or ▼ to highlight **Set up wireless network**, then press ► or **SELECT**.

Network Setup

DESIGN. 10:00pm

You are about to set up this TV to use your home network.

If you have a wired network, please plug an Ethernet cable into the TV. If you have a wireless network, DO NOT plug an Ethernet cable into the TV.

Network connection details:

No Internet connection found

◄ Set up wireless network ►

Use wired Ethernet instead

4 Press ▲ or ▼ to highlight **No**, then press **SELECT**. Your TV starts scanning for wireless networks.

Use WPS?

DESIGN. 10:00 PM

You are about to connect your TV to your wireless home network. Does your wireless router support WPS? Look for the WPS label on your router.

Choose this option to search for wireless networks in your home.

You will need to know your network password if your router is set up to use one.

Yes, I have a WPS button
Yes, I have WPS and use a PIN

◄ No ►

5 Press ▲ or ▼ to highlight **Choose wireless network**, then press **SELECT** to access the wireless network list.

Set up Network

DESIGN. 10:00 PM

◄ Choose wireless network ►

Enter wireless network name
Use wired Ethernet instead

elephant
babylon
california
daphne
Scan for wireless networks again

SELECT the name of your network. If your network is not visible, you can try scanning for wireless networks again, or enter your wireless network name.

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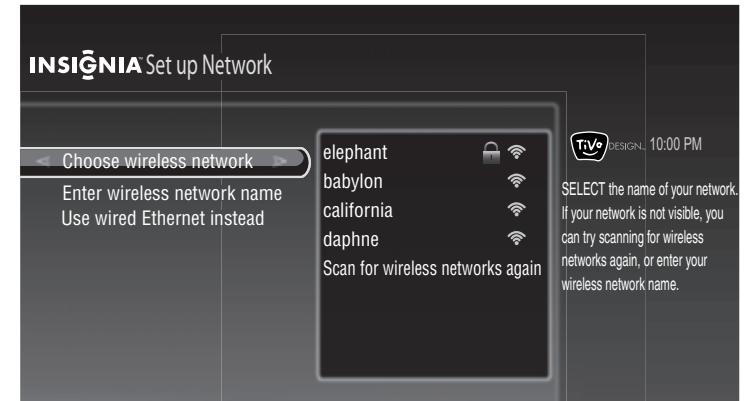
6 Press ▲ or ▼ to highlight the network you want, then press **SELECT**. If your network has a password, enter the password.

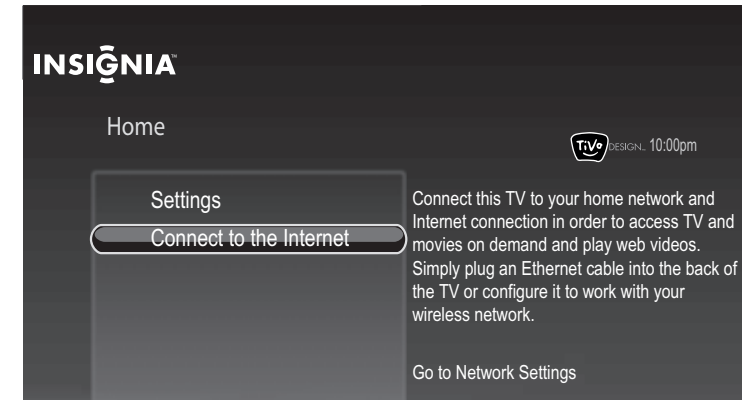| Note |
| --- |
| If your router is set to keep your network name hidden, select **Enter wireless network name** to manually enter the name and the password. |

When the connection is successful, the *Network settings* screen opens.

If this is the first time you have set up the Internet, the *Network Speed Test* screen opens. Follow the on-screen instructions to complete the network setup.

Using WPS with a router that has a WPS button

To configure a wireless connection using WPS:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to highlight **Connect to the Internet**, then press ▶ or **SELECT**.
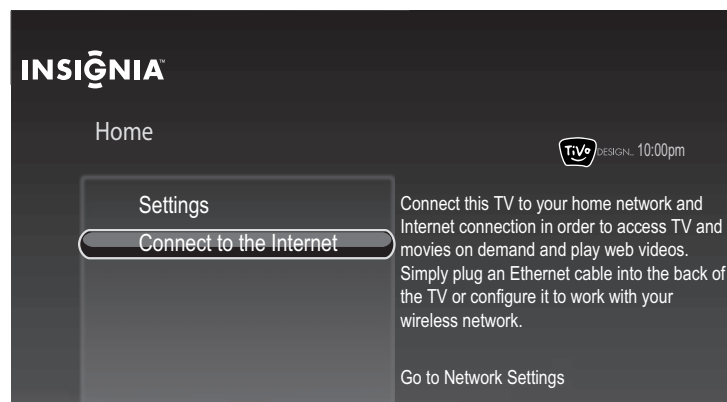
2 When **Go to network settings** is highlighted, press **SELECT**.
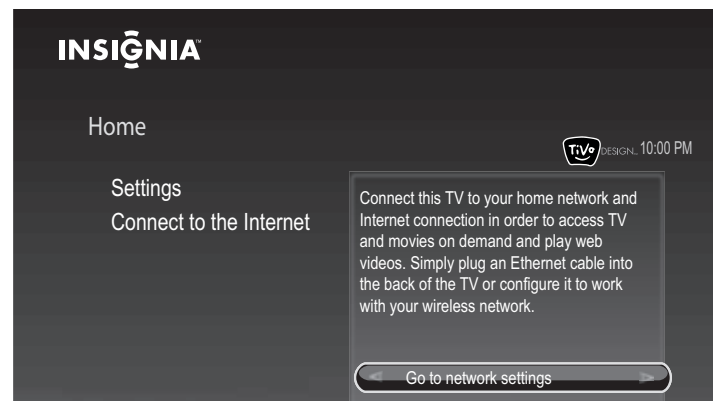
3 Press ▲ or ▼ to highlight **Set up wireless network**, then press ▶ or **SELECT**.

4 Press ▲ or ▼ to highlight **Yes, I have a WPS button**, then press **SELECT**.

INSIGNIA™ Use WPS?

You are about to connect your TV to your wireless home network. Does your wireless router support WPS? Look for the WPS label on your router.

DESIGN... 10:00 pm

Choose this option if you have a WPS button on your wireless router.

◁ Yes, I have a WPS button ▷

Yes, I have WPS and use a PIN

No

5 Press the WPS button on your router.
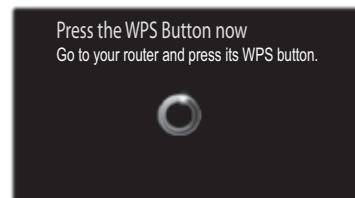
Press the WPS Button now
Go to your router and press its WPS button.

When the connection is successful, the *Network settings* screen opens.

If this is the first time you have set up the Internet, the *Network Speed Test* screen opens. Follow the on-screen instructions to complete the network setup.

Using WPS and a PIN

To connect the wireless network using WPS and a PIN:

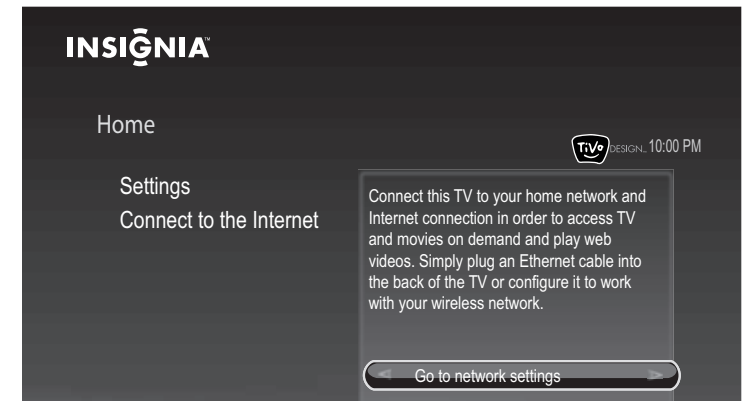**1** Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to highlight **Connect to the Internet**, then press ▶ or **SELECT**.

INSIGNIA™
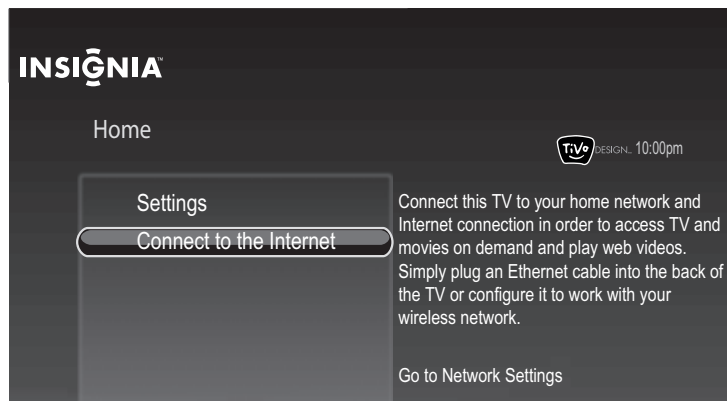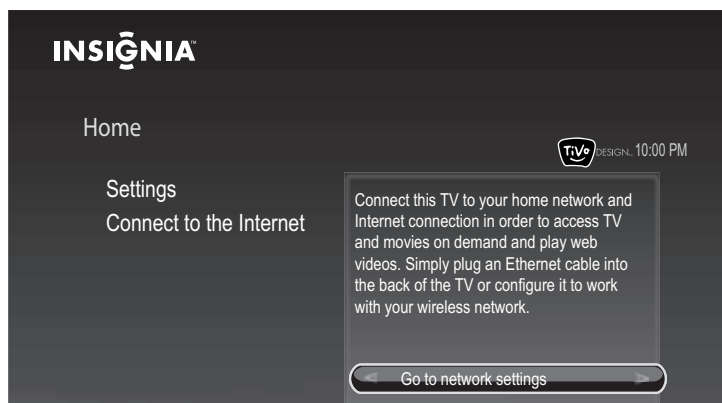
Home

DESIGN... 10:00pm

Settings

Connect to the Internet

Connect this TV to your home network and Internet connection in order to access TV and movies on demand and play web videos. Simply plug an Ethernet cable into the back of the TV or configure it to work with your wireless network.

Go to Network Settings

2 When **Go to network settings** is highlighted, press **SELECT**.

INSIGNIA™

Home

DESIGN... 10:00 PM

Settings

Connect to the Internet

Connect this TV to your home network and Internet connection in order to access TV and movies on demand and play web videos. Simply plug an Ethernet cable into the back of the TV or configure it to work with your wireless network.

◁ Go to network settings ▷

3 Press ▲ or ▼ to highlight **Set up wireless network**, then press ▶ or **SELECT**.

INSIGNIA Network Setup

You are about to set up this TV to use your home network.

If you have a wired network, please plug an Ethernet cable into the TV. If you have a wireless network, DO NOT plug an Ethernet cable into the TV.

TiVo DESIGN. 10:00pm

Network connection details:

No Internet connection found

◄ Set up wireless network ►

Use wired Ethernet instead

4 Press ▲ or ▼ to highlight **Yes, I have WPS and use a PIN**, then press **SELECT**. Your TV starts scanning for wireless networks.

INSIGNIA Use WPS?

You are about to connect your TV to your wireless home network.

Does your wireless router support WPS? Look for the WPS label on your router.

TiVo DESIGN. 10:00 PM

Choose this option if your wireless router requires the use of a numerical PIN. (Often printed on the bottom of the router)

Yes, I have a WPS button

◄ Yes, I have WPS and use a PIN ►

No

5 Press ▲ or ▼ to highlight the network you want, then press **SELECT**.

6 Use the number buttons on the remote control to enter the 4 or 8 digit PIN, then press ▲ or ▼ to highlight **OK** and press **SELECT**.

OR

If you do not know your PIN, highlight **I can't find a PIN on my router**, then press **SELECT**.

INSIGNIA Enter WPS PIN

Use the numbers on your remote control to enter your PIN. You can find the 4 or 8 digit PIN on the bottom of your router.

TiVo DESIGN. 10:00 PM

_

◄ OK ►

I can't find a PIN on my router
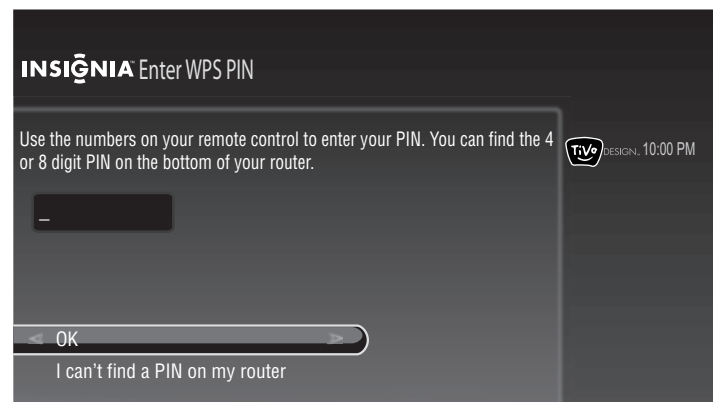
7 Submit the displayed PIN on the website provided by your Internet service provider, then press **SELECT**.
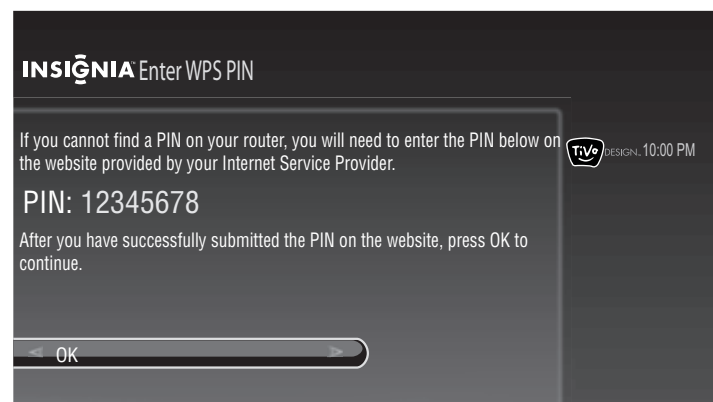
INSIGNIA Enter WPS PIN

If you cannot find a PIN on your router, you will need to enter the PIN below on the website provided by your Internet Service Provider.

TiVo DESIGN. 10:00 PM

PIN: 12345678

After you have successfully submitted the PIN on the website, press OK to continue.

◄ OK ►

When the connection is successful, the *Network settings* screen opens.

If this is the first time you have set up the Internet, the *Network Speed Test* screen opens. Follow the on-screen instructions to complete the network setup.
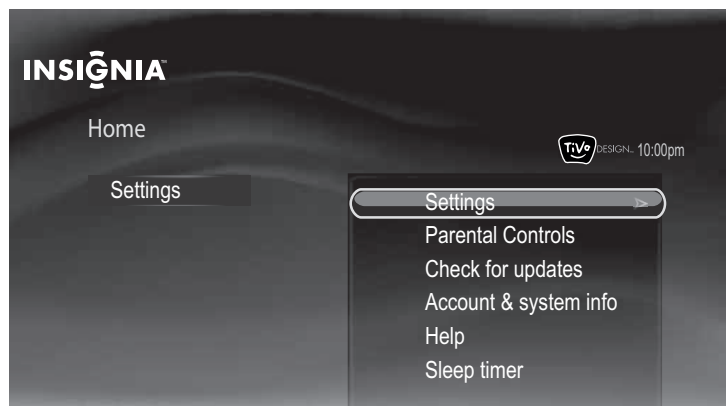
Configuring a wired connection

Automatically using DHCP

One of the most common ways to configure a wired connection is using Dynamic Host Configuration Protocol (DHCP). When you use DHCP, your Internet provider automatically assigns an IP address, subnet mask, gateway, and DNS.

To configure a wired connection automatically using DHCP:

1 Press **TiVo**. The *Home* screen opens. press ▲ or ▼ to highlight **Connect to the Internet**, then press ▶ or **SELECT**.

2 When **Go to network settings** is highlighted, press **SELECT**.
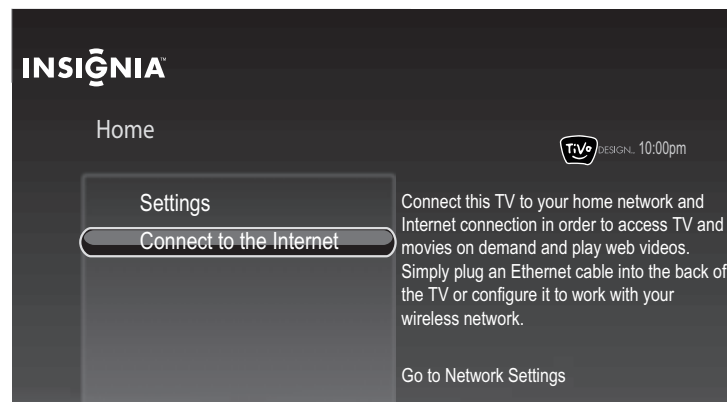
3 Press ▲ or ▼ to highlight **Continue**, then press **SELECT** to keep the current setting and start the auto setup.
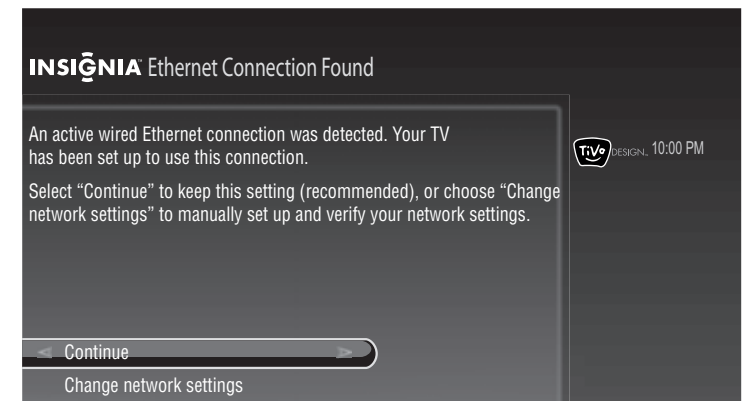
When the connection is successful, the *Network settings* screen opens.

If this is the first time you have set up the Internet, the *Network Speed Test* screen opens. Follow the on-screen instructions to complete the network setup.
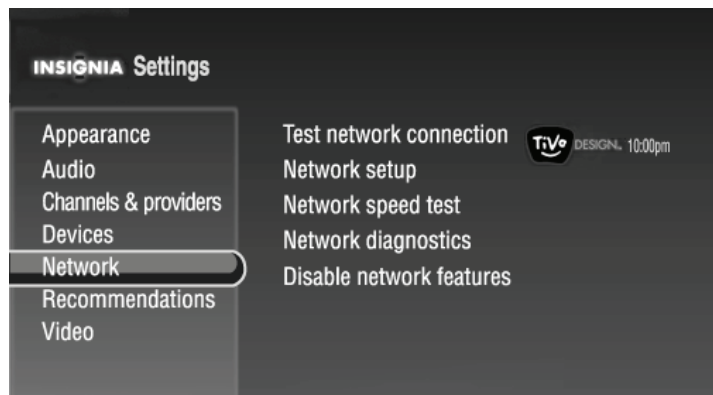
Manually

To set up the wired connection manually:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to highlight **Connect to the Internet**, then press ▶ or **SELECT**.

2 When **Go to network settings** is highlighted, press **SELECT**.

3 Press ▲ or ▼ to highlight **Change network settings**, then press **SELECT**.
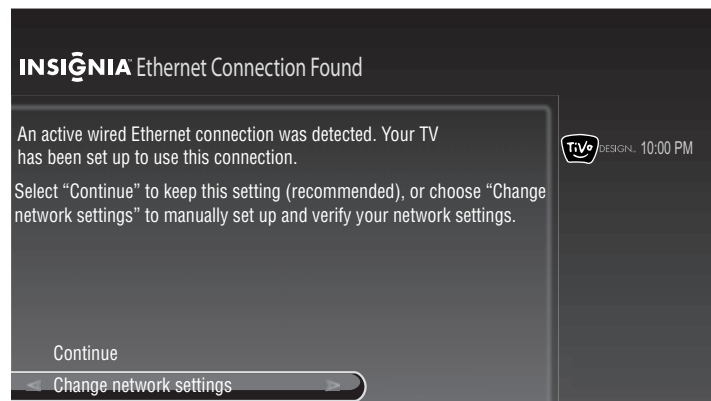
4 Press ▲ or ▼ to highlight **Get automatically from a DHCP server (typical)**, then press **SELECT**.
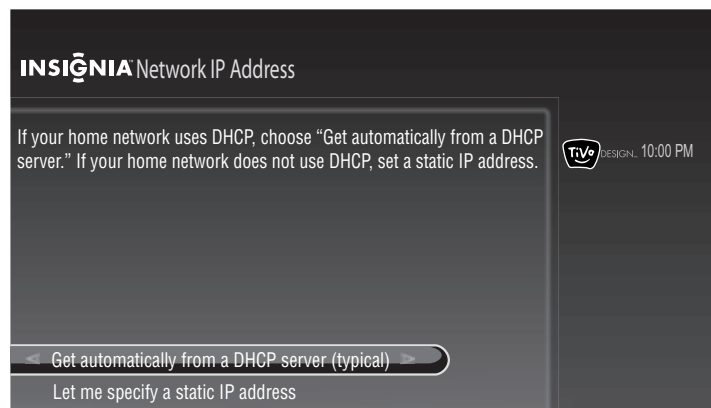
OR

If your home network does not use DHCP, select **Let me specify a static IP address**, then press **SELECT**. The following screen opens. Complete Steps 5 through 8 to complete the setup.

INSIGNIA Static IP Setup

In this next part, you'll specify a static IP address. To complete this process, you will need to know the following:

- IP address
- Subnet mask
- Gateway (router) address
- DNS (name server) address

DESIGN. 10:00 PM

< Continue >
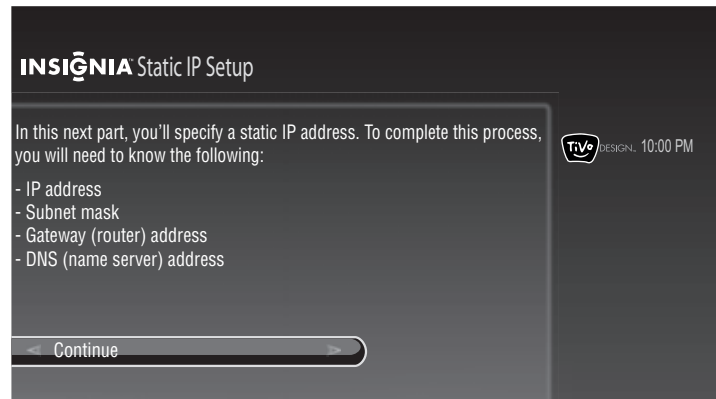
5 Press **SELECT**. The *Enter IP Address* screen opens.

6 Use the number buttons on the remote control to enter your IP address, then press **SELECT**.

INSIGNIA Enter IP address

Use the number buttons on the remote control to enter your IP address.

DESIGN. 10:00 PM

25 . [ ] . [ ] . [ ]

Press SELECT when done

7 If the displayed IP information is correct, press ▲ or ▼ to highlight **Yes, these are correct**, then press **SELECT**.

OR

If the displayed IP information is not correct, press ▲ or ▼ to highlight **No, let me enter specific address**, then press **SELECT**. Enter your subnet mask, gateway (router) address, and DNS address.
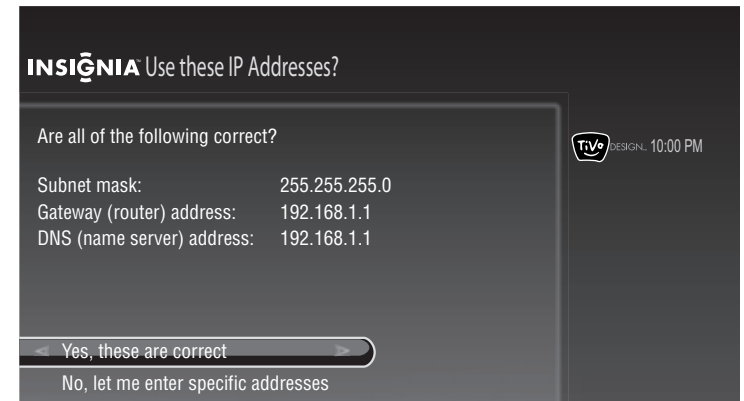
INSIGNIA Use these IP Addresses?

Are all of the following correct?

DESIGN. 10:00 PM

Subnet mask: 255.255.255.0
Gateway (router) address: 192.168.1.1
DNS (name server) address: 192.168.1.1

< Yes, these are correct >
   No, let me enter specific addresses

When the connection is successful, the *Network settings* screen opens.

If this is the first time you have set up the Internet, the *Network Speed Test* screen opens. Follow the on-screen instructions to complete the network setup.
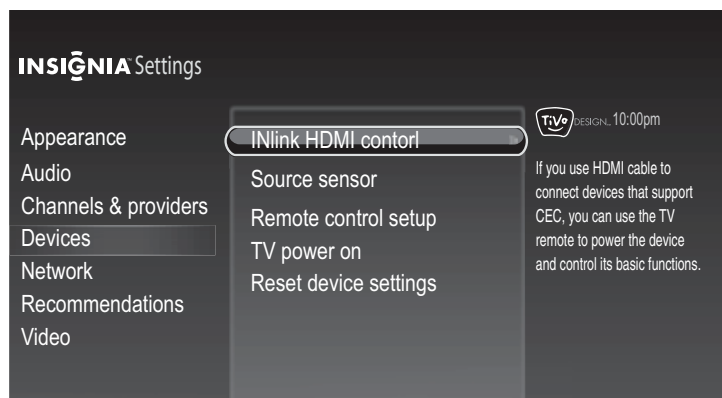
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Testing the network

To test the network:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN₊ 10:00pm

Settings   Settings   ▷
                            Parental Controls
                            Check for updates
                            Account & system info
                            Help
                            Sleep timer

3 Press ▲ or ▼ to highlight **Network**, then press ▶ or **SELECT**.

INSIGNIA Settings

Appearance   Test network connection   TiVo DESIGN₊ 10:00pm
Audio   Network setup
Channels & providers Network speed test
Devices   Network diagnostics
Network   Disable network features
Recommendations
Video

4 Press ▲ or ▼ to highlight a network option, then press ▶ or **SELECT**. You can select:

- **Test network connection**—Tests the network connection automatically. You can view your network connection details in the right preview pane.
- **Network setup**—Changes the network settings or the type of connection.
- **Network speed test**—Helps determine the kinds of On-Demand TV shows and movies that will play best on your TV based on the connection speed.
- **Network diagnostics**—Runs network diagnostics such as **DNS resolution test**, **Test network connection**, and **Network speed test**.

Disabling Internet features

You can disable all the features that use the Internet on your TV, such as Video on Demand (VOD).

To disable Internet features:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN₊ 10:00pm

Settings   Settings   ▷
                            Parental Controls
                            Check for updates
                            Account & system info
                            Help
                            Sleep timer
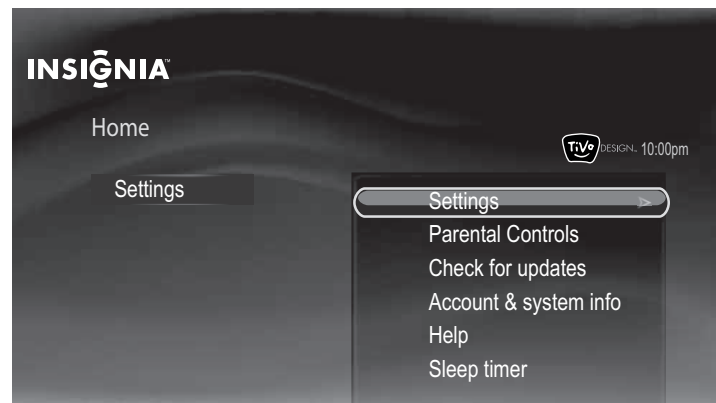
3   Press ▲ or ▼ to highlight **Network**, then press ▶ or **SELECT**.
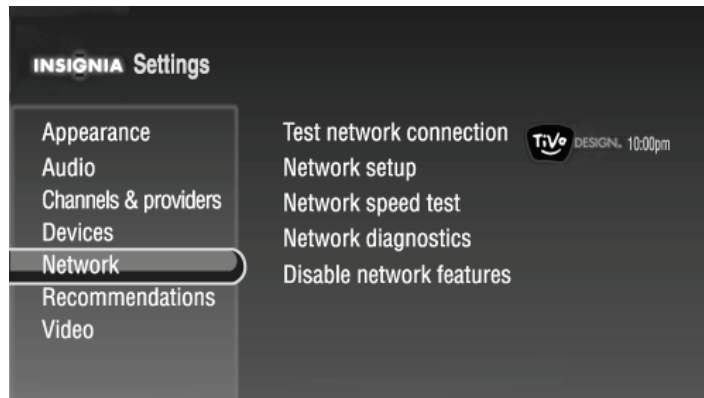
4   Press ▲ or ▼ to highlight **Disable network features**, then press **SELECT**.

5   Press ▲ or ▼ to highlight **Yes, disable all network features**, then press **SELECT** to save your setting and return to the previous screen.

Using INlink to control HDMI devices

INlink lets you use the remote control that came with your TV to turn off devices and control basic functions if you use an HDMI cable to connect devices that support CEC. For example, if you insert a disc into a DVD player and start playing the disc, your TV will automatically turn on and go to the correct input (HDMI 1, 2, 3, or 4). You can now control the DVD player with your TV's remote control.
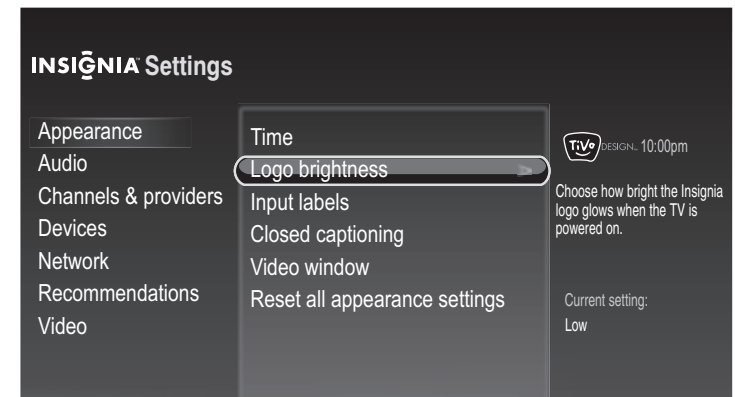
Setting up INlink HDMI control

To set up INlink HDMI control:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

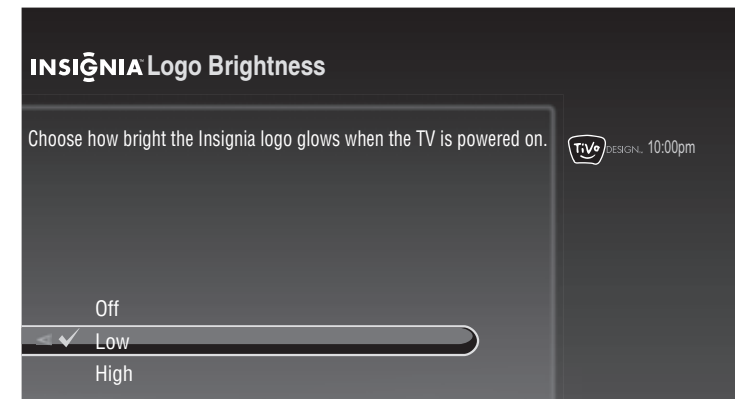2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

3   Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

www.insigniaproducts.com
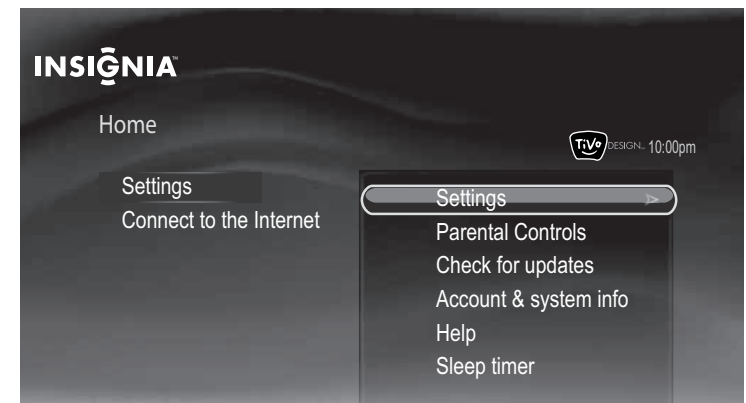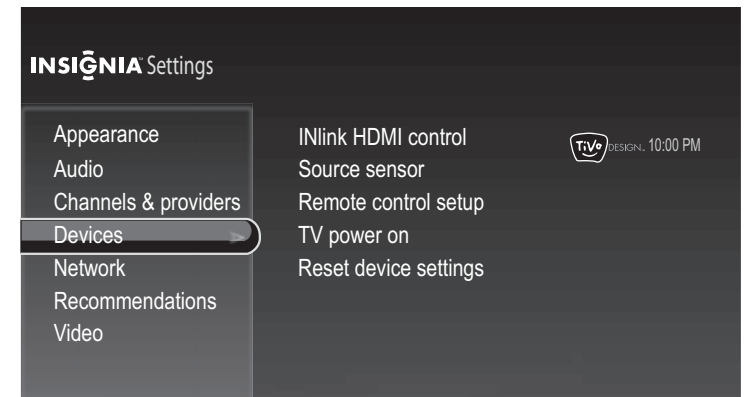
4 Press ▲ or ▼ to highlight **INlink HDMI control**, then press ▶ or **SELECT**.

Settings

Appearance	INlink HDMI contorl	TiVo DESIGN... 10:00pm
Audio	Source sensor	If you use HDMI cable to
Channels & providers	Remote control setup	connect devices that support
Devices	TV power on	CEC, you can use the TV
Network	Reset device settings	remote to power the device
Recommendations		and control its basic functions.
Video		

5 Press ▲ or ▼ to highlight an option, then press **SELECT** to turn the option on or off. You can select:

- **Turn other devices off when TV turns off**—Turns all other CEC devices off when you turn off the TV.
- **MENU button can control other devices**—The **MENU** button on the TV remote controls the menu on the currently selected input device (if it has CEC support).
- **VOLUME and MUTE buttons can control other devices**—The **VOL +**, **VOL–**, and **MUTE** buttons on the TV remote control the volume on the currently selected input device (if it has CEC support).
- **RECORD button starts and stops recordings**—Pressing **RECORD** on the TV remote tells a recording device to start a recording (if it has CEC support). Pressing **RECORD** again stops the recording.

- **Turn TV on when another device turns on**—Turns the TV on when you turn on other devices that have CEC support.

INlink HDMI Control

TV remote control:

✓ Turn other devices off when TV turns off	TiVo DESIGN... 10:00pm
✓ MENU button can control other devices	Turns all other devices with
✓ VOLUME and MUTE buttons can control other devices	CEC support off when you
✓ RECORD button starts and stops recordings	turn off the TV.

Other remote controls:

✓ Turn TV on when another device turns on
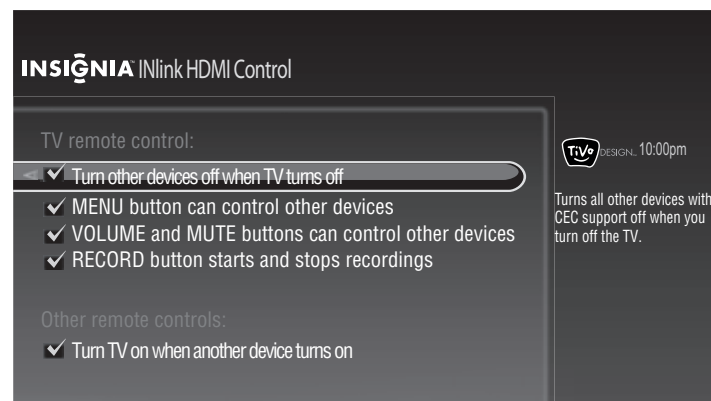
6 Press ◄ to return to the previous menu, or press **EXIT** to close the screen.

Notes

- HDMI cables must be used to connect HDMI CEC-compatible devices to your TV.
- The connected device's HDMI CEC feature must be turned on.
- If you connect an HDMI device that is not HDMI CEC-compatible, the INlink HDMI control option does not work.
- Depending on the connected HDMI device, the INlink HDMI control option may not work.

Adjusting other options

Adjusting the INSIGNIA logo brightness

The INSIGNIA logo on the front of your TV can light when your TV is turned on. You can adjust the logo brightness.

To adjust the INSIGNIA logo brightness:
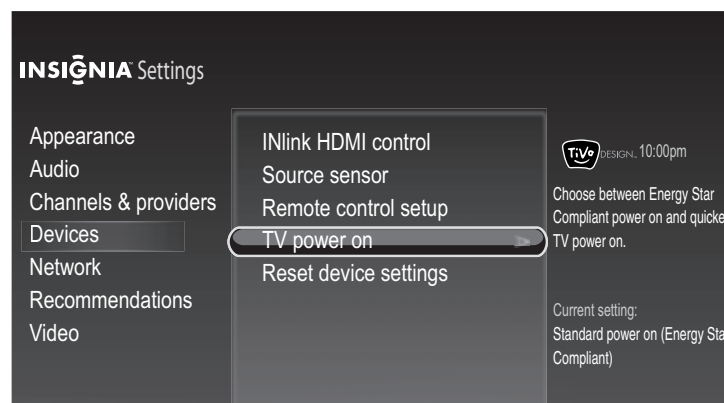
1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home

TiVo DESIGN. 10:00pm

Settings
Connect to the Internet

Settings
Parental Controls
Check for updates
Account & system info
Help
Sleep timer

3   Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

TiVo DESIGN. 10:00 PM
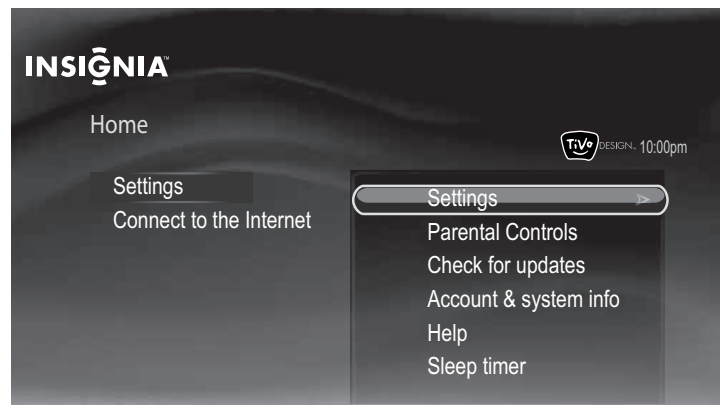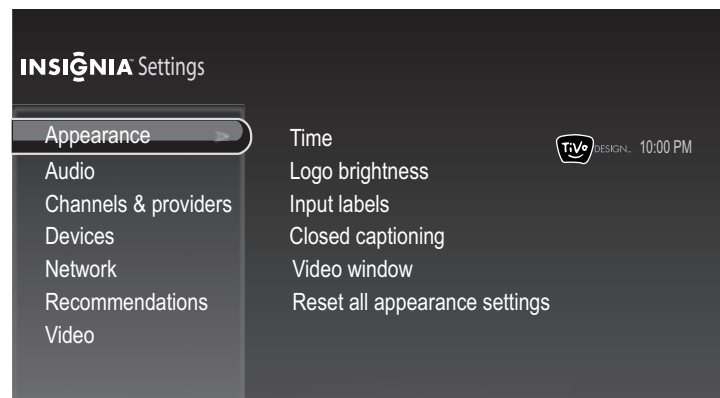
4   Press ▲ or ▼ to highlight **Logo brightness**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance
Audio
Channels & providers
Devices
Network
Recommendations
Video

Time
Logo brightness
Input labels
Closed captioning
Video window
Reset all appearance settings

TiVo DESIGN. 10:00pm

Choose how bright the Insignia logo glows when the TV is powered on.

Current setting:
Low

5   Press ▲ or ▼ to highlight an option. You can select:

• **Off**—Turns off the logo when your TV is on.
• **Low**—Sets the brightness level to low when your TV is on.
• **High**—Sets the brightness level to high when your TV is on.

INSIGNIA™ Logo Brightness

Choose how bright the Insignia logo glows when the TV is powered on.

TiVo DESIGN. 10:00pm

Off
✓ Low
High

6   Press **SELECT** to return to the previous menu.

INSIGNIA™

Setting the TV power on mode

While your TV is in standby mode, you can set the TV power on mode to maximize your energy savings (standard power on) or to minimize the time it takes to turn the power back on (power on quickly).

To set the TV power on mode:

1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2   Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
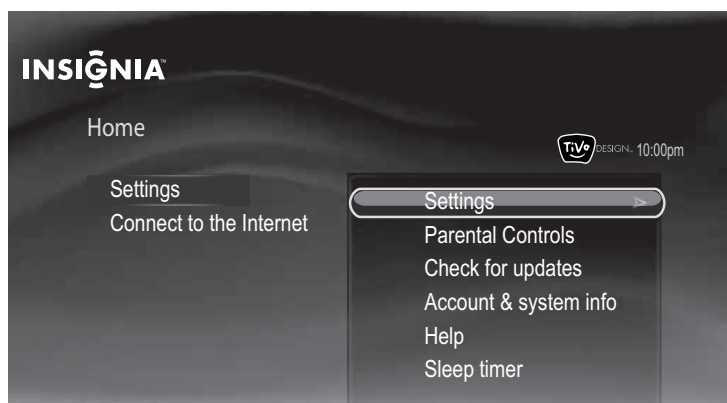
3   Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.
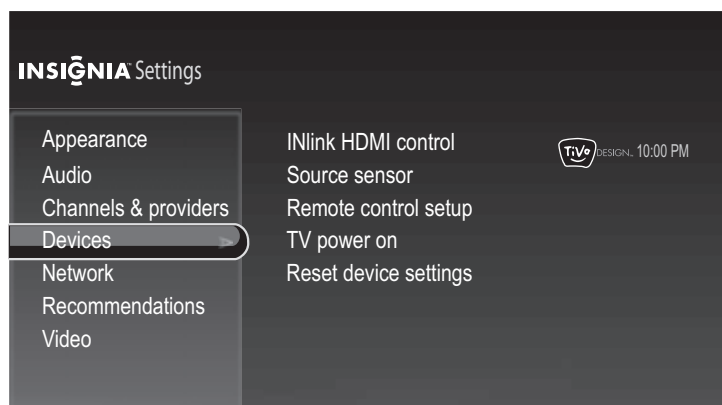
4   Press ▲ or ▼ to highlight **TV power on**, then press ▶ or **SELECT**.

5   Press ▲ or ▼ to highlight an option. You can select:
   • **Standard power on (Energy Star Compliant)**—The power indicator lights red in standby mode.
   • **Power on quickly**—The power indicator lights purple in standby mode.
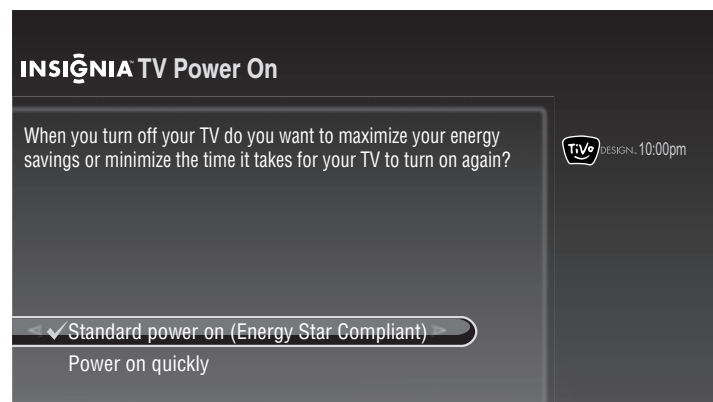
6   Press ▶ or **SELECT** to return to the previous screen. If you select **Power on quickly**, the *Power On Energy Usage* screen opens. Press **SELECT** again to save the setting and return to the previous screen.

Labeling an input source

You can label an input source to make it easier to identify.

To label an input source:
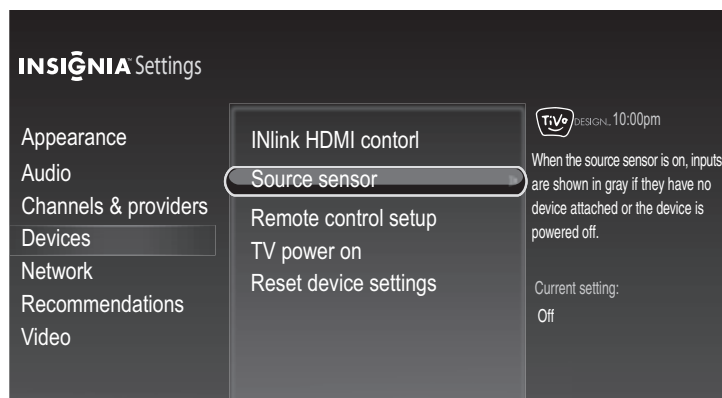
1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
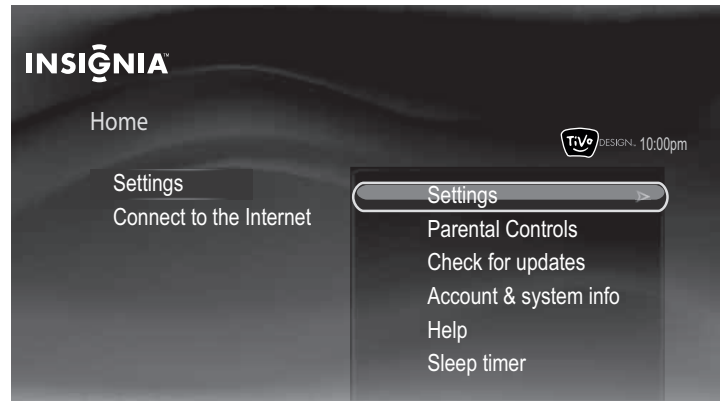
3 Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.
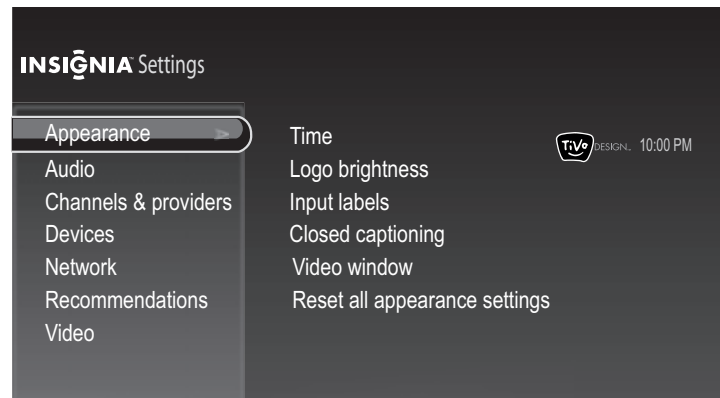
4 Press ▲ or ▼ to highlight **Input labels**, then press ▶ or **SELECT**.
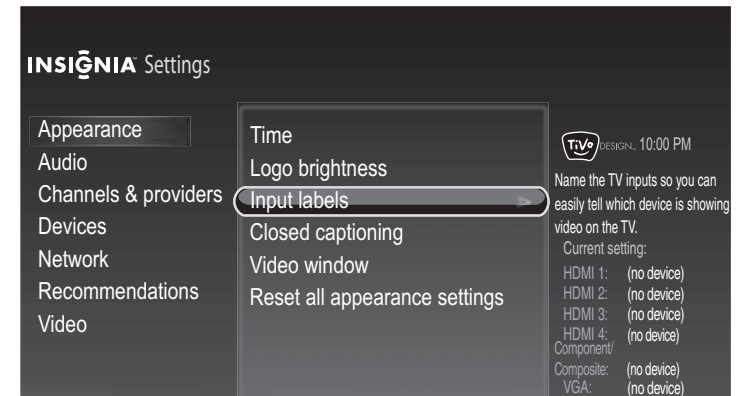
5 Press ▲ or ▼ to select the input source you want to label, then press ◀ or ▶ to select from the preset list of labels, including **DVD**, **Blu-Ray**, **Cable Box**, **Satellite**, **DVR**, **Receiver**, **Game**, **Computer**, **VCR**, or **Custom**.

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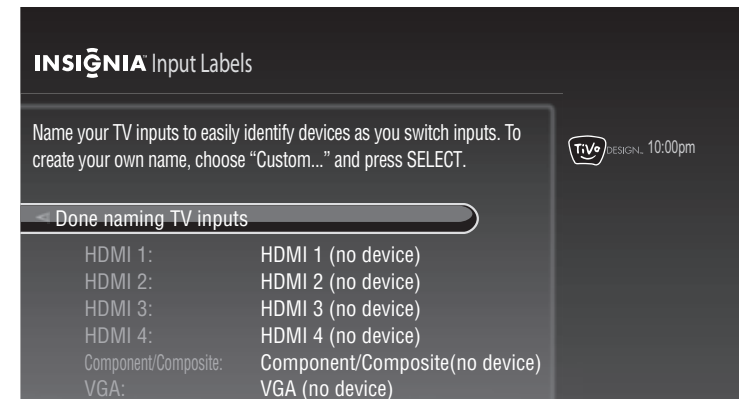
6 If you selected **Custom**, press **SELECT**, then go to "Creating a custom label" on page 95 to create your own label for the input source.

OR

If you selected a preset label, press **SELECT** to highlight **Done naming TV inputs**, then press **SELECT** again to save your setting and return to the previous screen.

Creating a custom label

To create a custom label:

1 When the on-screen keyboard opens, enter a name for the input source, then highlight **Done entering name**. For instructions for using the on-screen keyboard, see "Using the on-screen keyboard" on page 36.
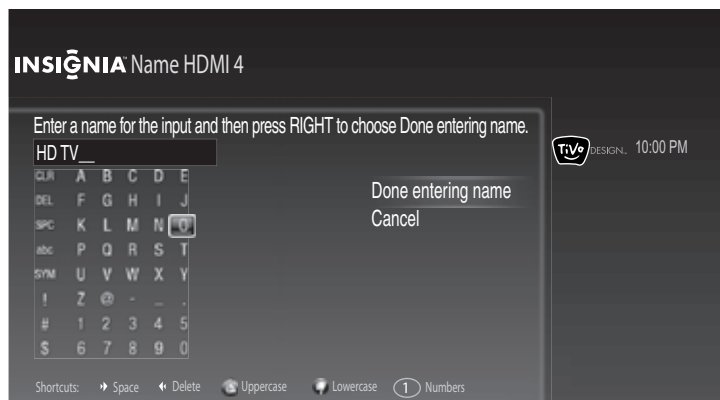
2 Press **SELECT** to save your setting and return to the previous screen.

Turning the source sensor on or off

When the source sensor feature is turned on, your TV automatically detects which video jacks have devices connected to them when the devices are turned on. Your TV uses this information to determine how the input source list looks when you press **INPUT**.

To turn the source sensor on or off:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.
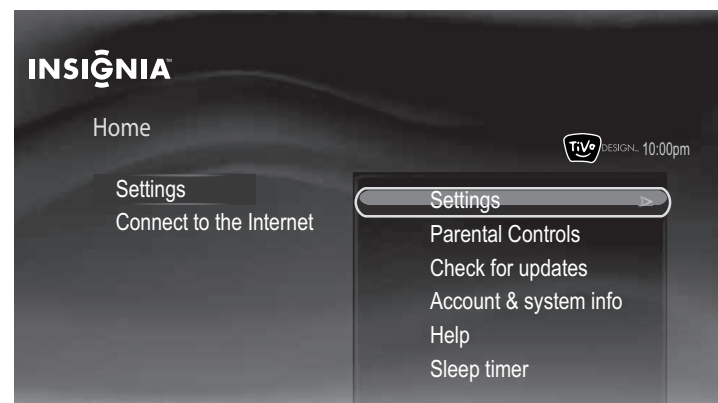
3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.
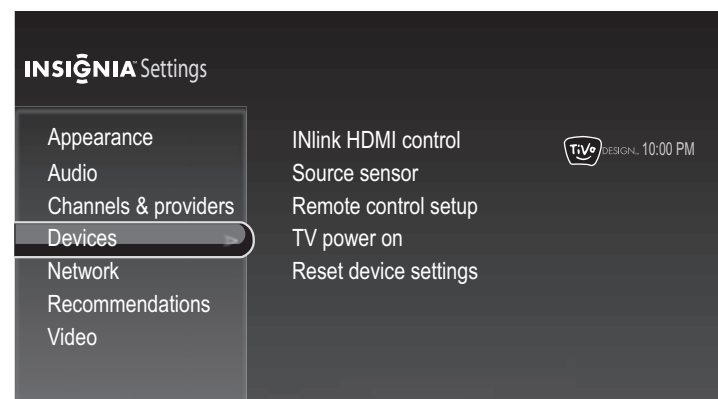
4 Press ▲ or ▼ to highlight **Source sensor**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance	INlink HDMI contorl	TiVo DESIGN™ 10:00pm
Audio	Source sensor	When the source sensor is on, inputs are shown in gray if they have no device attached or the device is powered off.
Channels & providers		
Devices	Remote control setup	
Network	TV power on	
Recommendations	Reset device settings	Current setting:
Video		Off

5 Press ▲ or ▼ to highlight **On** or **Off**, then press ▶ or **SELECT**.

Warning

When the source sensor is set to **On**, the inactive input sources will be grayed out on the input source list. Pressing **INPUT** moves between active inputs only. However, you can still move between inactive inputs by pressing ▲ or ▼.

Resetting all options on the Devices menu

Note

The device settings will be reset to the factory defaults.

To reset all options on the Devices menu:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home

Settings	TiVo DESIGN™ 10:00pm
Connect to the Internet	Settings
	Parental Controls
	Check for updates
	Account & system info
	Help
	Sleep timer

3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

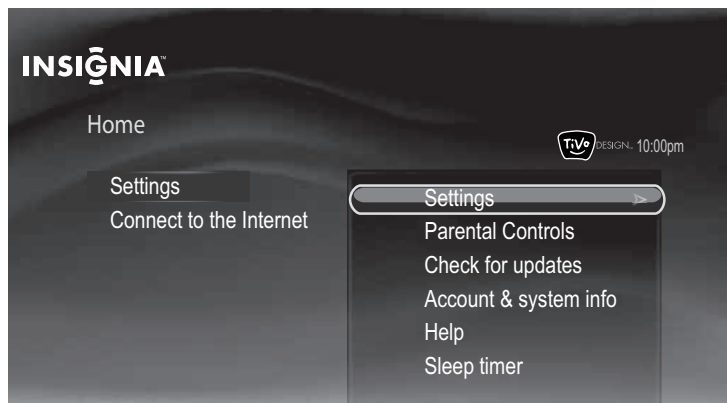| Appearance | INlink HDMI control | TiVo DESIGN™ 10:00 PM |
Audio	Source sensor	
Channels & providers	Remote control setup	
Devices	TV power on	
Network	Reset device settings	
Recommendations		
Video		
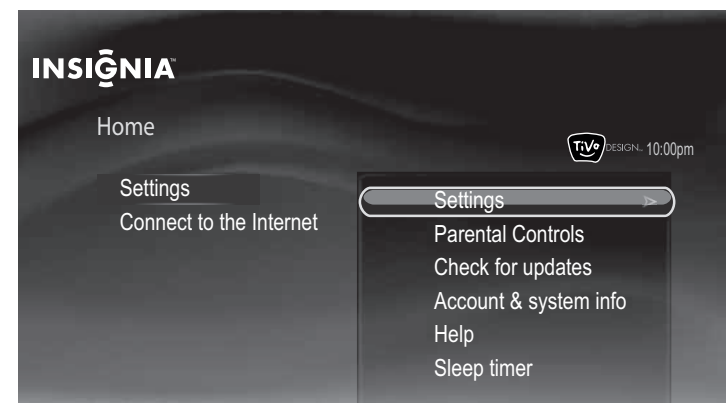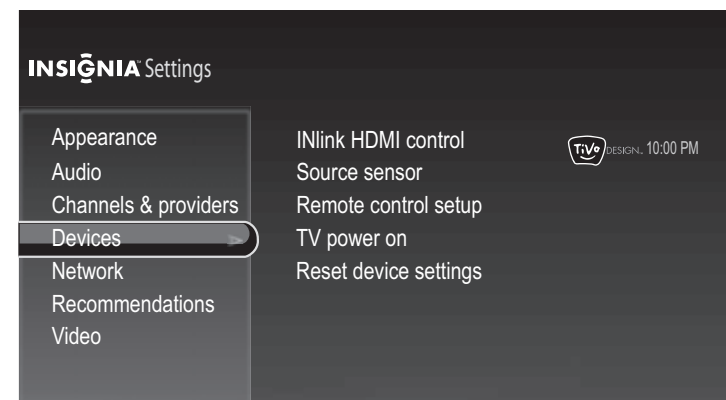
4 Press ▲ or ▼ to highlight **Reset device settings**, then press **SELECT**.

5 Press ▲ or ▼ to select **Yes, reset device settings**, then press **SELECT**. The device settings are reset to factory defaults.
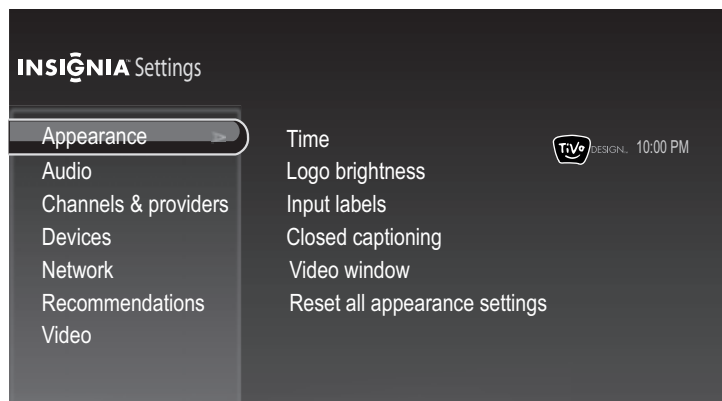
Resetting all options on the Appearance menu

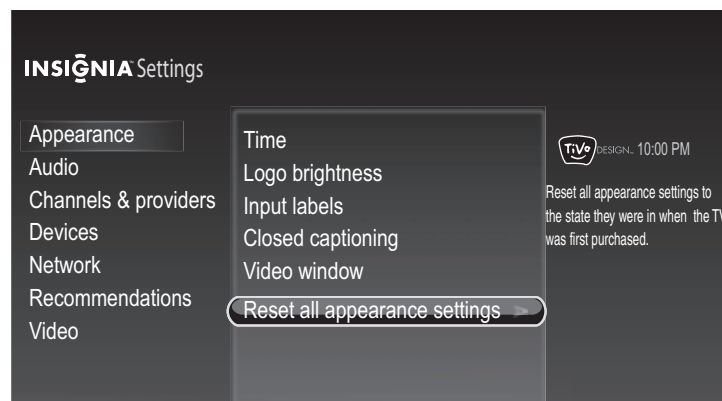**To reset all options on the Appearance menu:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

INSIGNIA™

Home   TiVo DESIGN™ 10:00pm

Settings   Settings   ▷
Connect to the Internet   Parental Controls
                            Check for updates
                            Account & system info
                            Help
                            Sleep timer

3 Press ▲ or ▼ to highlight **Appearance**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   ▷   Time   TiVo DESIGN™ 10:00 PM
Audio   Logo brightness
Channels & providers   Input labels
Devices   Closed captioning
Network   Video window
Recommendations   Reset all appearance settings
Video

4 Press ▲ or ▼ to highlight **Reset all appearance settings**, then press ▶ or **SELECT**.

INSIGNIA™ Settings

Appearance   Time   TiVo DESIGN™ 10:00 PM
Audio   Logo brightness
Channels & providers   Input labels   Reset all appearance settings to
Devices   Closed captioning   the state they were in when the TV
Network   Video window   was first purchased.
Recommendations   Reset all appearance settings
Video

5 Press ▲ or ▼ to select **Yes, reset all appearance settings**, then press **SELECT**. The appearance settings are reset to factory defaults.

INSIGNIA™

Maintaining, Troubleshooting, and Specifications

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Maintaining

> **Cautions**
> • Make sure that your TV is turned off and the power cord is disconnected from the power outlet before cleaning your TV.
> • Never spray or pour any liquid directly onto the LCD screen or the TV cabinet.
> • Never use a solvent or alcohol to clean your TV. Do not spray insecticide near your TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

Cleaning the TV cabinet

Clean the TV cabinet with a soft, dry cloth. If surfaces are extremely dirty, slightly dampen the cloth with lukewarm water.

Cleaning the LED-LCD screen

Clean the screen with a clean, soft, lint-free cloth. If additional cleaning is necessary, apply a small amount of non-ammonia, non-alcohol-based glass cleaner onto the cloth, then wipe the screen.

Updating your TV software

> **Note**
> Before you can receive system updates, you must have your TV connected to the Internet.

To update your TV software:
1   Make sure that your TV is connected to the Internet. For more information, see "Connecting your TV to your home network" on page 26 and "Adjusting Internet settings" on page 81.
2   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.
3   Press ▲ or ▼ to highlight **Check for updates**. Your TV checks for software updates.

Troubleshooting

> **Caution**
> Do not try to repair your TV yourself. Refer all servicing to qualified service personnel.

Using the on-screen help

Your TV features on-screen help that provides tips and solutions to common problems.

To use the on-screen help:
1   Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.
2   Press ▲ or ▼ to highlight **Help**, then press ▶ or **SELECT**.
3   Press ▲ or ▼ to highlight a topic, then press **SELECT**. Information that may help you solve a problem appears.

> **Note**
> If the information spans more than one page, press ▲ or ▼ to scroll line by line or press CH ▲/ CH▼ to scroll page by page.

If the on-screen help does not have the solutions you need, see the following list of problems and solutions.

Problem	Solution
Power	
No power	• Make sure that the power cord is correctly connected to a power outlet. See "Connecting the power" on page 17. • Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your TV. • Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. Once you have determined which device is causing interference, move it further from the TV to eliminate the interference.

Problem	Solution
General remote control	
The Z-Wave remote control does not work	• Make sure that the power cord is correctly connected to a power outlet. • Make sure the remote control is added to the Z-Wave network and paired with your TV. See "Setting up your Z-Wave remote control" on page 108. • Replace the batteries. Make sure that the + and – symbols on the batteries align with the + and – symbols in the battery compartment. See "Installing the remote control batteries" on page 17. • Make sure the remote control is in correct device mode. Press **TV** to control your TV.
Programmed remote control functions	
The LED does not blink when you press a button.	• Try pressing different buttons. • The batteries may already be drained. Replace the batteries.
The LED blinks when you press a button but the device does not respond	• Make sure the remote is aimed at your device and is not more than 40 feet (12.2 m) away.
The LED blinks one long blink while in program mode	• An entry error has occurred (for example, wrong button was pressed). Try entering the sequence again.
No volume on a device	• Make sure that the volume is not locked to a different mode. See "Programming the button lock" on page 32.
The device does not power on or off	• Make sure that the power button is not locked to a different mode or the power button is not assigned to another device. See "Programming the button lock" on page 32 or Step 12 in "Programming the mode buttons" on page 29.
Picture	
Picture does not fill the screen. There are black bars around the picture.	• Change the aspect ratio. An increasing amount of digital TV and movies are presented in wide screen (16:9). See "Adjusting the video settings" on page 42.

Problem	Solution
No picture	• Press ⏻ on the TV or remote control. • Make sure that the power cord is plugged in. • Try another channel. The station may be experiencing problems. • Make sure that the video cables are connected securely to the back of your TV. See "Making connections" on page 17. • Adjust the contrast and brightness. See "Adjusting the video settings" on page 42. • Make sure that the correct video source is selected. See "Selecting the video input source" on page 35. • Make sure that the incoming signal is compatible. • Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 19 or "Connecting an antenna or cable TV without a cable box" on page 18. • Check the closed caption settings. Some TEXT modes can block the screen. See "Using closed captioning" on page 76.

Problem	Solution
Dark, poor, or no picture (screen is lit), but sound is good.	• Adjust the contrast, color, and brightness settings. See "Adjusting the video settings" on page 42. • Try another channel. The station may be experiencing problems. • Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 19 or "Connecting an antenna or cable TV without a cable box" on page 18. • Make sure that the correct picture mode is selected. See "Adjusting the video settings" on page 42. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the signal strength" on page 70. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the **Audio only** option is set to **Off**. See "Playing TV audio only" on page 62. • Make sure that the video cables are connected securely to the back of your TV. See "Making connections" on page 17. • The video cable(s) you are using may be bad. Try a new set. • Adjust the color saturation. See "Adjusting the video settings" on page 42. • Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see. • If an S-VHS camera or a camcorder is connected while another connected device is turned on, the picture may be poor. Turn off one or more devices.
Only snow (noise) appears on the screen.	• Try another channel. The station may be experiencing problems. • Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 19 or "Connecting an antenna or cable TV without a cable box" on page 18. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the signal strength" on page 70. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.

Problem	Solution
Horizontal dotted line	• Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 19 or "Connecting an antenna or cable TV without a cable box" on page 18. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the signal strength" on page 70. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the video cables are connected securely to the back of your TV. • The video cable(s) you are using may be bad. Try a new set. • Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. Once you have determined which device is causing interference, move it further from the TV to eliminate the interference.
"Ghost" or double image	• Obstructions, such as high-rise building or hills, may be preventing your antenna from receiving a clear signal. Using a highly directional antenna may improve the picture quality.
Snowy picture or noise	• Make sure that the AV and antenna cables are connected securely. See "Making connections" on page 17.
VGA picture is not stable or synchronized	• Make sure that you have selected the correct VGA mode on your computer.
After image appears	• Do not display a still image, such as logo, game, or computer image, for an extended period of time. This can cause a permanent after-image to be burned into the screen. This type of damage is not covered by your warranty.
The picture has a few bright or dark spots.	• A few bright or dark spots on an LCD screen is normal. It does not affect the operation of this TV.

Problem	Solution
Audio	
Good picture but no sound	• Increase the volume. • Make sure that the sound is not muted. • Make sure that the correct audio mode is selected. See "Manually adjusting audio settings" on page 46. • Make sure that the audio cables are connected correctly and securely to the back of your TV. See "Making connections" on page 17. • Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 19 or "Connecting an antenna or cable TV without a cable box" on page 18. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the signal strength" on page 70. • The audio cable(s) you are using may be bad. Try a new set.
No output from one of the speakers	• Adjust the balance of the speakers. See "Manually adjusting audio settings" on page 46. • Make sure that the audio cables are connected correctly and securely to the back of your TV. See "Making connections" on page 17.
Audio noise	• Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. Once you have determined which device is causing interference, move it further from the TV to eliminate the interference.
Other	
The TV displays "searching for a signal on this source" and never displays a picture	• Press **INPUT** and make sure that you have selected the correct input for the device or service you are trying to use. • If you are using a cable or satellite box, use the remote that came with that box to change channels. • Make sure you have the correct input selected to view channels from the cable or satellite box.
Buttons on the front of the TV do not work	• Make sure that the **Lock buttons** option is set to **Off**. See "Locking control buttons" on page 75. • Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your TV.

Problem	Solution
INlink does not work	• Make sure that the device you want to control is HDMI CEC-compatible. • Make sure that the HDMI device's power cord is connected correctly. • Make sure that the INlink HDMI control settings are configured. See "Setting up INlink HDMI control" on page 90. • Connect an INlink device using an HDMI 1.3 cable.
Applications	• If you are having trouble with one of the applications, contact the service provider for that service.
Wired network connection	
No network connection	• Make sure your TV and modem or router is connected securely. • Make sure your network address is set up correctly.
Automatic network setup fails	• The DHCP service is not enabled on the router, or no router is present. Refer to your router's documentation for instructions on enabling DHCP. If you do not have a router, you must manually set up the network address. • Internet service is not available. Check your cable or DSL modem or contact your ISP for Internet service issues.
Manual network setup fails	• Make sure you enter correct IP address.
Network connection is unstable	• Unplug the Ethernet cables, then plug them back in.
Wireless connection	
No network connection	• Make sure your wireless access point is turned on and set up correctly.
Network connection is unstable	• Move your wireless access point closer to your TV.

Resetting your TV to the factory defaults

You can reset your TV to the factory defaults and repeat the setup process that you went through when you first turned on your TV.

To reset your TV:

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

2 Press ▲ or ▼ to highlight **Help**, then press ▶ or **SELECT**.

3 Press ▲ or ▼ to highlight **Reset this TV**, then press **SELECT**.

4 Press ▲ or ▼ to highlight **Clear and delete everything**, then press **SELECT**. If **Parental Controls** is turned on, the *Enter PIN* screen opens. Enter your four-digit PIN to continue.

5 Press ⌇ three times, then press **SELECT** to confirm this selection and start the Setup Wizard setup.

Specifications

Design specifications are subject to change without notice. Dimensions and weight specifications are approximate.

Warranty

NS-32E859A11	NS-42E859A11
Parts: 2 years	**Parts:** 2 years
Labor: 2 years	**Labor:** 2 years

Dimensions and weight

NS-32E859A11	NS-42E859A11
Without stand: 30.62 ×1.8 × 19.32 in. (777.8 × 45.8 × 490.8 mm) **With stand:** 30.62 × 7.37 × 20.94 in. (777.8 × 187.2 × 531.9 mm)	**Without stand:** 39.84 × 1.96 × 24.5 in. (1011.9 × 49.8 × 622.9 mm) **With stand:** 39.84 × 11.19 × 28.62 in. (1011.9 × 284.3 × 727.0 mm)
Without stand: 20.4 lb. (9.25 kg) **With stand:** 23.1 lb. (10.5 kg)	**Without stand:** 32.84 lb. (14.9 kg) **With stand:** 39.24 lb. (17.8 kg)

Screen

	NS-32E859A11	NS-42E859A11
Screen size measured diagonally	31.55"	42"
Display type	LCD Active matrix full high-definition TFT	LCD Active matrix full high-definition TFT
Panel 60 Hz vs.120 Hz	120Hz	120Hz
Display resolution	1080p	1080p
Panel resolution	1920 × 1080 (RGB vertical stripe)	1920 × 1080 (RGB vertical stripe)
Aspect ratio	16:9	16:9
Contrast ratio (typical)–panel	4000 : 1	4000: 1
Dynamic contrast ratio–list value	10000:1	12000:1
Brightness (center typical) cd/m2	450 nits	450 nits
Comb filter	3d y/c digital	3d y/c digital
Response time	6.5 ms	5.5 ms
Horizontal viewing angle	178°	178°
Vertical viewing angle	178°	178°

Display resolutions/VGA scan rates

	NS-32E859A11	NS-42E859A11
HDMI	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i
Component video	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i
PC/VGA	Suggested scan rates: 640 × 480/60Hz, 800 × 600/60Hz, 1024 × 768/60Hz, 1280 × 1024/60Hz, 1680 × 1050/60Hz, 1920 × 1080/60Hz	Suggested scan rates: 640 × 480/60Hz, 800 × 600/60Hz, 1024 × 768/60Hz, 1280 × 1024/60Hz, 1680 × 1050/60Hz, 1920 × 1080/60Hz

Tuner

	NS-32E859A11	NS-42E859A11
Analog	NTSC	NTSC
Digital	ATSC, 8-VSB, Clear-QAM	ATSC, 8-VSB, Clear-QAM

Inputs

	NS-32E859A11	**NS-42E859A11**
HDMI	4 (side) E-EDID-compliant HDCP-compliant	4 (side) E-EDID-compliant HDCP-compliant
Component video	1 (back)	1 (back)
Composite video	1 (back)	1 (back)
Shared audio (component and composite)	Yes	Yes
S-Video	No	No
PC/VGA	1 (side)	1 (side)
3.5mm PC audio input	1 (side)	1 (side)
DVI	1- HDMI/DVI (side)	1- HDMI/DVI (side)
USB	Compliance: USB 2.0 For service only	Compliance: USB 2.0 For service only
Antenna	F type	F type
INc	Uart	Uart
Rocketboost	PCI-e	PCI-e

Outputs

	NS-32E859A11	**NS-42E859A11**
Video	No	No
Analog audio	1 (side)	1 (side)
Digital audio	1 (back) SPDIF	1 (back) SPDIF
Headphone	1 (side)	1 (side)
WiFi	802.11n / dual band	802.11n / dual band
Ethernet	10/100 base-T/TX	10/100 base-T/TX

Audio

	NS-32E859A11	**NS-42E859A11**
Simulated Surround Sound	Yes -SRS TruSurround HD	Yes -SRS TruSurround HD
Audyssey Dynamic Volume	Yes - Audyssey DVL, ABX, EQ	Yes - Audyssey DVL, ABX, EQ
Speaker output	10 W (R) + 10 W (L)	5 W (R) + 5 W (L) + 10 W (woofer)

Power

	NS-32E859A11	**NS-42E859A11**
Power consumption	On: <77W Standby: <1W	On: <115W Standby: <1W
Power input	120V/60Hz	120V/60Hz

Miscellaneous

	NS-32E859A11	**NS-42E859A11**
OSD languages	English	English
INlink	Yes	Yes
Game Mode	Yes	Yes
ENERGY STAR qualified	Yes	Yes
Internet connectable	Yes	Yes
TV base screws	M4 type (17 mm length) (8 pcs)	M4 type (17 mm length) (8 pcs)
V-Chip (version 2.0)	Yes	Yes
Sleep timer	Yes	Yes
Channel labeling	Yes	Yes
VESA mount (mm) (horizontal × vertical)	200 × 100	200 × 200

Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

Appendix

Setting up your Z-Wave remote control

The remote control that came with your TV is different from a traditional IR remote control. Using Z-Wave technology, your remote control allows RF communication with your TV. You do not have to point the remote control toward the remote control sensor on the front of your TV.

Adding your remote control to the TV Z-Wave network

To turn on the RF communication between your TV and the remote control, you have to add the remote control to the Z-Wave network first.

Note
Your Insignia TV is configured as a AV Control Point Device, and as such does not support or control with the Basic Command Class.

To add your remote control to your TV Z-Wave network (TV as Primary Controller):

1   Press and hold **VOL**⌃ and **VOL**⌄ on the front of your TV at the same time. The *Set up a New Remote Control* screen opens.

2   Press and hold 👍 and 👎 on the remote control for about five seconds. The remote control LED blinks four times and the *Remote Control Setup Complete* screen opens.

Set up a New Remote Control

Hold down theTHUMBS UP and THUMBS DOWN buttons at the same time for 5 seconds to set up your new remote control to work with this TV.

Press any button on the TV to cancel.

3   Press **SELECT** to complete the setup. You can now use the RF communication between the remote control and your TV.

Remote Control Setup Complete

The TV now recognizes your new remote control.

◁   OK   ▷

Note
To add other Z-Wave devices to your TV Z-Wave network, perform Step 1 above, then follow the instructions in the user manual of that device to complete the setup.

Toggling between IR and RF communication

Once your remote control is added to the TV Z-Wave network, you can use Z-Wave RF communication to control your TV. However, you can also switch to IR communication, which requires you to point the remote control toward the remote control sensor when you try to control your TV.

RF communication with your TV does not require you to point the remote control toward the remote control sensor on the front of your TV. Also your remote control and TV can talk to each other which will help with setting up your Insignia Universal remote to work with other home theater devices.

To toggle between IR and RF communication:

• If you are using RF communication, press and hold 👎 and **EXIT** at the same time. The remote control switches to IR mode and the LED blinks four times.

• If you are using IR communication, press and hold 👎 and **EXIT** at the same time. The remote control switches to RF mode and the LED blinks twice.

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Removing your remote control from the TV Z-Wave network

To remove your remote control from the TV Z-Wave network (TV as Primary Controller):

1 Press and hold **VOL**∧ and **CH**∧ on the front of your TV at the same time. The *Remove a Z-Wave Device* screen opens.

Remove a Z-WAVE Device?

Go to your Z-Wave device and follow the instructions to remove it from your Z-Wave network.

Press any button on the TV to cancel.

2 Press and hold 👍 and 👎 on the remote control for about five seconds. The *Z-Wave Device Removed* screen opens. The remote control is removed from the TV Z-Wave network, and RF communication is not available. To close the screen, press **SELECT** or wait a few seconds.

Note
• To enable RF communication, you have to add the remote control to the Z-Wave network again.
• To remove other Z-Wave devices from your TV Z-Wave network, perform Step 1 above, then follow the instructions in the user manual of that device to complete the removal.

Resetting your TV Z-Wave network

To reset your TV Z-Wave network:

1 Press and hold **VOL**∧, **VOL**∨, and **CH**∧ on the front of your TV at the same time. The *Reset Z-Wave Network?* screen opens.

Reset Z-Wave Network?

Warning: this will reset your Z-Wave network, and any devices you wish to use will need to be added again.

Reset Z-Wave Network

◁ Cancel ▷
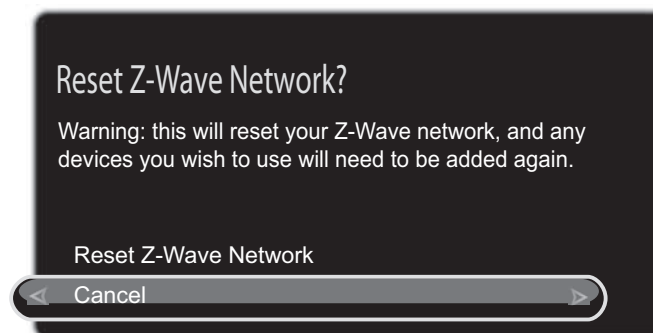
2 Press ▲ or ▼ to highlight **Reset Z-Wave Network**, then press **SELECT**.

3 Press **SELECT** to complete the reset.

> ### Z-Wave Network Reset
>
> Your Z-Wave network has been successfully reset. Any devices you wish to use on the Z-Wave network must be added again.
>
> ◁   OK   ▷

> **Note**
>
> After resetting your TV Z-Wave network, to use your remote control, you have to switch to IR communication or remove then add the remote control to the TV Z-Wave network again to enable RF communication.
>
> For more information, see "Toggling between IR and RF communication" on page 108 or "Removing your remote control from the TV Z-Wave network" on page 109 and "Adding your remote control to the TV Z-Wave network" on page 108.

Managing Z-Wave network (other device as Controller)

Your TV can be operated in another Z-Wave network with Z-Wave certified devices from other manufacturers or other applications. The different listening nodes within the network can act as repeaters regardless of vendor.

> **Note**
>
> To setup your Z-Wave network with other devices, refer to the user manual of the devices for more information.

To add your TV to other Z-Wave network:
- Refer to the user manual of the Z-Wave device (Primary Controller) for programming information.
- When the Z-Wave device is in programming (setup) mode, press **CH∧** and **CH∨** on the TV at the same time to add your TV to the Z-Wave network.

To remove your TV from other Z-Wave network:
- Refer to the user manual of the Z-Wave device (Primary Controller) for programming information.
- When the Z-Wave device is in programming (setup) mode, press **CH∧** and **CH∨** on the TV at the same time to remove your TV from the Z-Wave network.

Z-Wave Terminology

Primary Controller—This is the main device used to set up and control your Z-Wave network. There can only be one primary controller, and it must be used to add or delete devices. A primary controller can be a portable device like a hand-held remote control, a static controller (permanently installed and never moved), a Z-Wave enabled PC, or a Z-Wave enabled Ethernet router/bridge.

Secondary Controller—The Z-Wave network supports multiple controllers so you can use additional Z-Wave remotes throughout the home. If the secondary controller is the same brand and model as the primary, it will have all of the same capabilities as the primary with one exception; the secondary controller can not be used to add or delete devices.

Home Control Network—Your controllers and every Z-Wave device you have added with the primary controller are linked together into a wireless network. Each device in your network has a unique address assigned to it and cannot be activated by your neighbor's Z-Wave controller.

Node/Device—Node is the technical term used to describe a Z-Wave device in your home control network. The terms "Node" and "Device" both refer to an individual Z-Wave enabled device and are interchangeable within context of instructions.

Notes on Z-Wave network management

- Adding a node or device can also be referred to as including a node or device. Removing a node or device can also be referred to as excluding or deleting a node or device.
- Every Z-Wave enabled device acts as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-spots."

Advanced remote control programming

Programming a learned button

Your remote control includes a learning feature that lets you add functions that are unique to your home entertainment devices (such as VCR tracking up or down). However, there are some considerations to keep in mind:

- Your original remote controls must be in working order for learning to work correctly.
- Learned buttons are mode-specific, so each button can store a unique function for each mode.
- Do not use the mode buttons or **TiVo** button.
- Certain device functions are not learnable, including multi-frequency types, some high-frequency functions, and other unusual formats.
- When setting up learned buttons, avoid high levels of ambient light such as natural sunlight or energy efficient fluorescent lights.

Note
Have your original remote controls handy before programming learning.

To program a learned button:

1 Press and hold the **A** and **D** buttons at the same time until the LED blinks twice, then release.

2 Enter **9 7 5**. The LED blinks twice.

Notes
• If more than 10 seconds pass between button presses, the remote control exits programming.
• If the LED displays one long flash instead, replace the batteries. If the remote control continues to display one long flash, the remote control cannot learn a new button.

3 Press the mode button you want to learn functions on, then press the button on the Insignia remote you want to program.

4 Place your Insignia remote control head-to-head (about 2" apart) from your original remote control (the one that came with the device).

5 On the original remote, press and hold the button to be learned. Continue holding the button on the original remote until the Insignia's LED blinks twice.

6 Repeat Step 3 through 5 to program another button. After you have completed programming all the buttons you want, press and hold **SELECT** until the LED blinks twice to save all data learned.

Deleting a single learned button

This process returns the button to its original programming for the mode you select. You can also delete learned programming by teaching a different function to the button (see "Programming a learned button" on page 111).

Notes
• If more than 10 seconds pass between button presses, the remote control exits programming.
• If the LED displays one long flash instead, replace the batteries. If the remote control continues to display one long flash, the remote control cannot learn a new button.

To delete a single learned button:

1 Press and hold the **A** and **D** buttons at the same time until the LED blinks twice, then release.

2 Enter **9 7 6**. The LED blinks twice.

3 Press the mode button that you want to remove the learned button from, then press the button containing the learned function to be deleted, twice. The LED blinks twice and programming ends.

Deleting all learned buttons in a specific mode

Notes
• If more than 10 seconds pass between button presses, the remote control exits programming.
• If the LED displays one long flash instead, replace the batteries. If the remote control continues to display one long flash, the remote control cannot learn a new button.

To delete all learned buttons in a specific mode:

1 Press and hold the **A** and **D** buttons at the same time until the LED blinks twice, then release.

2 Enter **9 7 6**. The LED blinks twice.

3 Press the mode button twice (for example, **DVD**, **STB**, or **AUX**) to clear all the learned buttons for that mode. The LED blinks twice and programming ends.

Programming macros

Your can program any button (except the **TiVo** button) on your remote control with a macro function. Each button can be set up to perform a pre-programmed set of sequential button presses with the press of a single button. You can use a macro to control a home theater operation, to set a favorite channel, or for other functions you want to control with one button press. Each macro button can hold up to 32 button presses.

You can program two types of macros:

• Mode-independent—Works in any mode.

• Mode-dependent—Works in a specific mode.

Note
Programming a new macro over an existing one erases the original macro.

To program a mode-independent macro:

1 Press and hold the **A** and **D** buttons at the same time until the LED blinks twice, then release.

2 Enter **9 9 5**. The LED blinks twice.

3 Press the button you want to assign to a macro.

4 Enter the series of commands you want the macro to execute (up to 32 commands).

5 Press and hold **SELECT** until the red LED blinks twice, then release.

When you press the preset macro button, the remote sends the series of commands you have entered, regardless of what mode you are in. For example, you could program a macro button to turn on both your TV and cable box and select a particular channel.

Note
To clear the macro, repeat Steps 1 through 5, but do not enter a series of commands at Step 4.

To program a mode-dependent macro:

1 Press the device mode button (**DVD**, **STB**, or **AUX**).

2 Press and hold the **A** and **D** buttons at the same time until the LED blinks twice, then release.

3 Enter **9 7 8**. The LED blinks twice.

4 Press the button you want to assign to a macro.

5 Enter the series of commands you want the macro to execute (up to 32 commands).

6 Press and hold **SELECT** until the red LED blinks twice, then release.

When you press the macro button, the remote sends the series of commands you have entered, but only if you are in the mode you selected in Step 1. For example, you could program the macro button to turn on both your TV and cable box and select a particular channel, but only if you are in TV mode. If you are in DVD mode, this button does not execute the macro you set up in TV mode.

Note
To clear the macro, repeat Steps 1 through 6, but do not enter a series of commands at Step 4.

Controlling the remote control backlight

Your remote control has a backlight that can turn on when you press a button. You can set the amount of time your want the backlight to stay on before it automatically turns off.

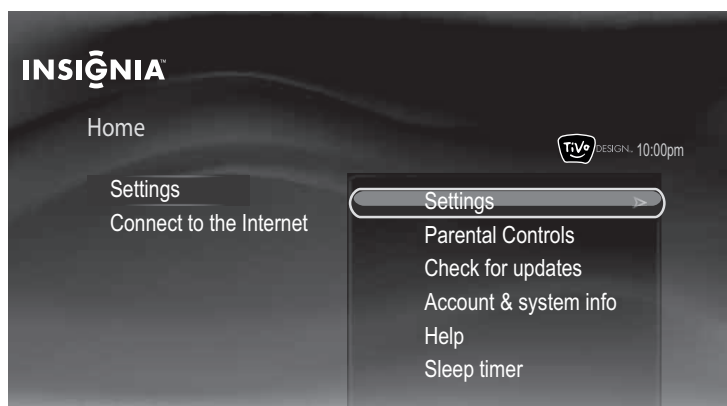## Turning the remote control backlight on or off

To turn your remote control backlight on or off:

1 Press and hold the **A** and **D** buttons at the same time until the power LED blinks twice, then release.

2 Enter **9 7 2**. If you are turning on the remote control backlight, the power LED blinks twice. If you are turning off the remote control backlight, the power LED blinks four times.

Setting the remote control backlight delay

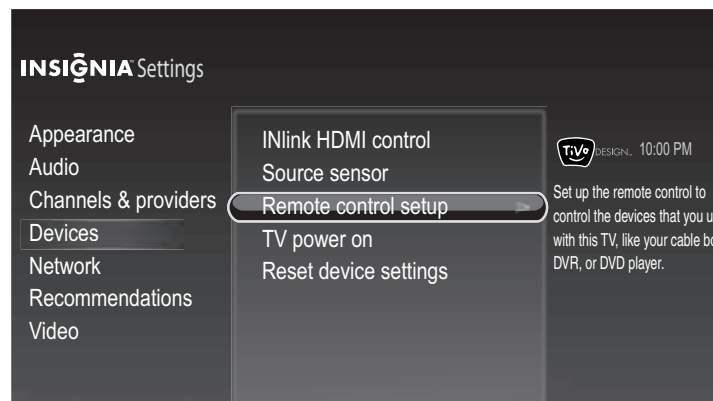**To set the remote control backlight delay:**

1 Press **TiVo**. The *Home* screen opens. Press ▲ or ▼ to select **Settings**, then press ▶ or **SELECT**.

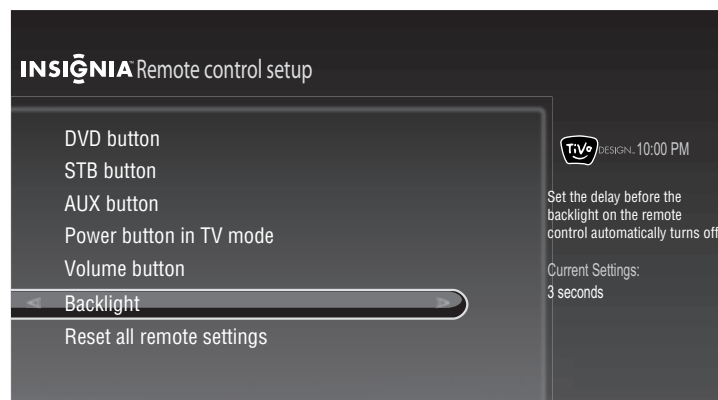**2** Press ▲ or ▼ to highlight **Settings**, then press ▶ or **SELECT**.

3 Press ▲ or ▼ to highlight **Devices**, then press ▶ or **SELECT**.

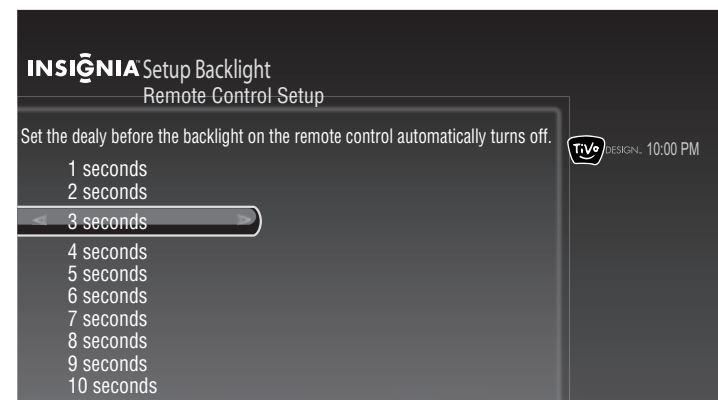**4** Press ▲ or ▼ to highlight **Remote control setup**, then press ▶ or **SELECT**.

INSIGNIA
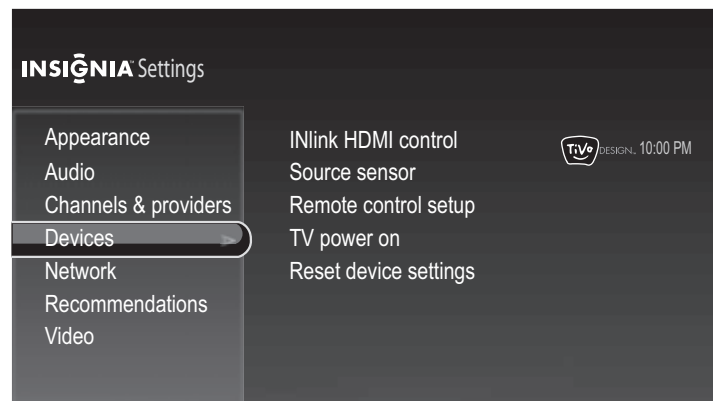
5 Press ▲ or ▼ to highlight **Backlight**, then press ▶ or **SELECT**.

INSIGNIA Remote control setup

DVD button
STB button
AUX button
Power button in TV mode
Volume button
◁   Backlight   ▷
Reset all remote settings

TiVo DESIGN. 10:00 PM

Set the delay before the backlight on the remote control automatically turns off.

Current Settings:
3 seconds

6 Press ▲ or ▼ to highlight the amount of time you want the backlight to stay on, then press ▶ or **SELECT**.

INSIGNIA Setup Backlight
          Remote Control Setup

Set the dealy before the backlight on the remote control automatically turns off.   TiVo DESIGN. 10:00 PM

1 seconds
2 seconds
◁   3 seconds   ▷
4 seconds
5 seconds
6 seconds
7 seconds
8 seconds
9 seconds
10 seconds

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INSIGNIA™

Legal Notices

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within 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 the 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID Number Remote: MG38881-R

FCC ID Number WiFi Module: NKR-DNUB-B1"

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

DHHS and FDA safety certification

- This product is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

RSS 310 statement

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

HDMI

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Audyssey

Audyssey Dynamic Volume™

Energy Star

To meet Energy Star requirements, keep TV settings at the factory default settings.

SRS TruSurround HD

is a trademark of SRS Labs, Inc. TruSurround HD technology is incorporated under license from SRS Labs, Inc. SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

Open Source Software

For OPEN SOURCE SOFTWARE informaiton please refer to the Legal section in the on-screen display (OSD)on the TV.

If you require additional information or you wish to receive the complete corresponding GPL or LGPL licensed source code, please call the Insignia support line at 1-877-467-4289. This source code is available for a period of three (3) years from the date of the distribution of this product by Insignia.

Disclaimer

This Insignia product may contain content and/or services that belong to a third party. Such third party content and/or service may only be used in compliance with the terms and conditions that govern such use. Unless expressly authorized by the applicable third party's terms of use, you may not modify, copy, republish, upload, post, transmit, translate, sell, create derivative works, exploit, or distribute in any manner or medium any third party content or service displayed through the Insignia product.

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Two-year limited warranty

Definitions:

Insignia Products ("Insignia") warrants to you, the original purchaser of this new Insignia-branded television ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of two (2) years from the date of your purchase of the Product ("Warranty Period"). For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy or Future Shop authorized dealer of Insignia brand products only that are packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 2 years (730 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy or Future Shop retail store location and your television Product has a screen size of less than 37 inches, please take your original receipt and the Product to any Best Buy or Future Shop store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy or Future Shop online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 37 inches or larger, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY for Future Shop call 1-800-663-2275. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair technician dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States and Canada at Best Buy or Future Shop branded retail stores or websites.

What does the warranty not cover?

This warranty does not cover:
- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as power surges
- Accident(s)
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289

www.insigniaproducts.com

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