



INSIGNIA NS-DXA3 Digital to Analog Converter Box User Guide

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User Guide

INSIGNIA™



INSIGNIA NS-DXA3 Digital to Analog Converter Box

Before using your new product, please read these instructions to prevent any damage.

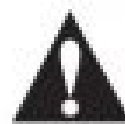
Welcome

Congratulations on your purchase of a high-quality Insignia product. Your NS-DXA3 represents the state of the art in digital to analog converter box design and is designed for reliable and trouble-free performance.

Safety information



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within a triangle is intended to alert you to the presence of uninsulated dangerous voltage within your converter box's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



The exclamation point within a triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying your converter box.

WARNING: To prevent fire or electric shock hazard, do not expose your converter box to rain or moisture.

WARNING: Do not install your converter box in a confined space such as a bookcase or similar unit.

WARNING: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of your converter box and to protect it from overheating.

The openings should never be blocked by placing your converter box on a bed, sofa, rug, or other similar surface. Your converter box should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

CAUTION: Your converter box should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on it.

POWER ADAPTER WARNING: The manufacturers of most appliances recommend that their appliance be placed on a dedicated circuit—a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits.

Overloaded power outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the power adapter of your converter box, and if its appearance indicates damage or deterioration, unplug it, discontinue use of your converter box, and have the power adapter replaced with an exact replacement part by an authorized service personnel.

Protect the power adapter from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the power adapter cord exits your converter box.

To disconnect the main power from your converter box, unplug the power adapter from the power outlet. When installing your converter box, make sure that the plug is easily accessible.

IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use your converter box near water.
6. Clean only with a 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 produces heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits from the apparatus.
10. Only use attachments or accessories specified by the manufacturer.
11. Unplug your converter box during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when your converter box has been damaged in any way, such as when the power cord or plug is damaged, liquid has been spilled or objects have fallen into your converter box, your converter box has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

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 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.

Servicing

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

CAUTION

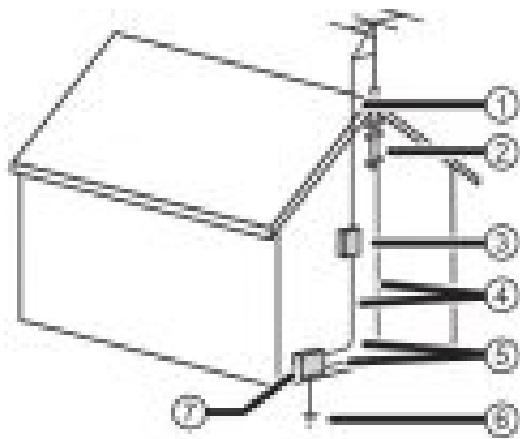
Damage requiring service

Unplug this converter box 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 converter box.
- If your converter box has been exposed to rain or water.
- If your converter box 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 converter box to its normal operation.
- If your converter box has been dropped or damaged in any way.
- When your converter box exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your converter box, 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 design
3	Antenna discharge unit
4	Grounding conductors
5	Ground clamps
6	Power service grounding electrode system
7	Electronic service equipment

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. www.insigniaproducts.com

Features

PACKAGE CONTENTS

- 1. Converter box
- 2. Remote control and batteries (2 AA)
- 3. AC adapter
- 4. Coaxial cable
- 5. Quick Setup Guide



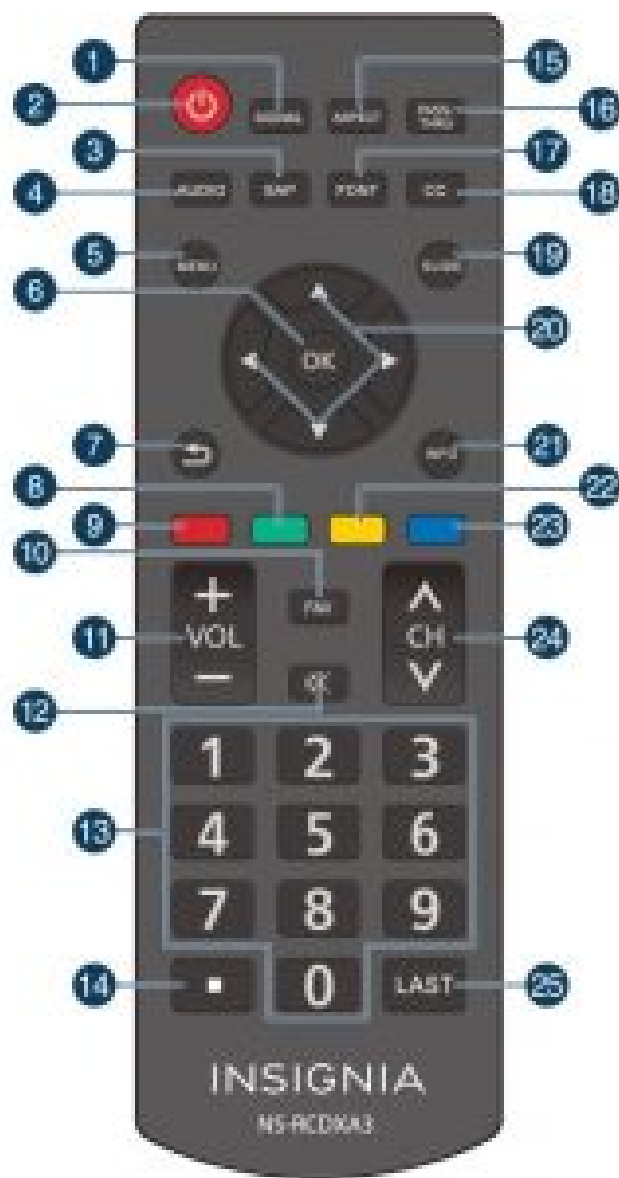
No.	Component	Description
1	Power indicator	Lights when your converter box has power. Red—Standby mode Green—On mode
2	CH-/CH+	Press to scan through memorized channels.
3	⏻ (power)	Turn the converter box on or off.



BACK





No. Component Description		
1	RF IN	Connect this jack to your antenna.
2	RF OUT	If your TV does not have HDMI or A/V jacks, connect this jack to the Antenna IN jack on your TV.
3	VIDEO OUT	Connect a yellow A/V cable from this jack to the AV IN jack (yellow) on your TV. Note: If your TV does not have A/V jacks, connect your TV to the HDMI OUT (best) or RF OUT (good) jack.
4	AUDIO OUT L/R	Connect these jacks to the corresponding AUDIO IN L/R (red/white) jacks on your TV. Note: If your TV does not have A/V jacks, connect your TV to the HDMI OUT (best) or RF OUT (good) jack.
5	HDMI OUT	Connect an HDMI cable from this port to an HDMI IN port on your TV.
6	DC IN	Connect the AC power adapter to this jack.

REMOTE CONTROL



No.	Button	Description
1	SIGNAL	Display your antenna signal strength for the current channel.
2	 (power)	Turn the converter box on or off.
3	SAP	Turn on second audio program and listen to English-language programming in other languages.
4	AUDIO	Open text-to-speech settings.
5	MENU	Open the on-screen menu.
6	OK	Select a highlighted menu item.
7		Go back one level in the on-screen menu.
8	Green button	Switch to the <i>System</i> options in the on-screen menu.
9	Red button	Switch to RRT (Rating Region Table).

No.	Button	Description
10	FAV	Switch to a favorite channel through the Program Guide in the on-screen menu.
11	VOL +/-	Increase or decrease the volume.
12	 (mute)	Turn off the sound. Press again to restore the sound.
13	Numbers	Enter a channel number or parental control password.
14	 (sub-channel)	Enter a sub-channel number. For example, to enter sub-channel 2.1, press 2, press this button, then press 1.
15	ASPECT	Adjust the aspect ratio of the video output.
16	PASS-THRU	By-pass the converter box so that your TV will function as it did without the converter box (receiving analog channels only).

17	FONT	Access the CC FONT (closed captioning font) menu.
18	CC	Turn on closed captioning.
19	GUIDE	Open the Program Guide.
20	▲ ▼ ◀ ▶	Navigate through the on-screen menus.
21	INFO	Display information about the current program.
22	Yellow button	Switch to the <i>User</i> options in the on-screen menu.
23	Blue button	Change the PIN in the <i>Lock</i> settings of the on-screen menu.
24	CH ▲ / ▼	Change channels.
25	LAST	Return to the last channel.

Installing the remote control batteries

1. Press the tab on the battery cover, then remove the cover.
2. Insert two AA batteries (included). Make sure that the direction of the + and – symbols on the batteries match the + and – symbols in the battery compartment.
3. Replace the battery cover.

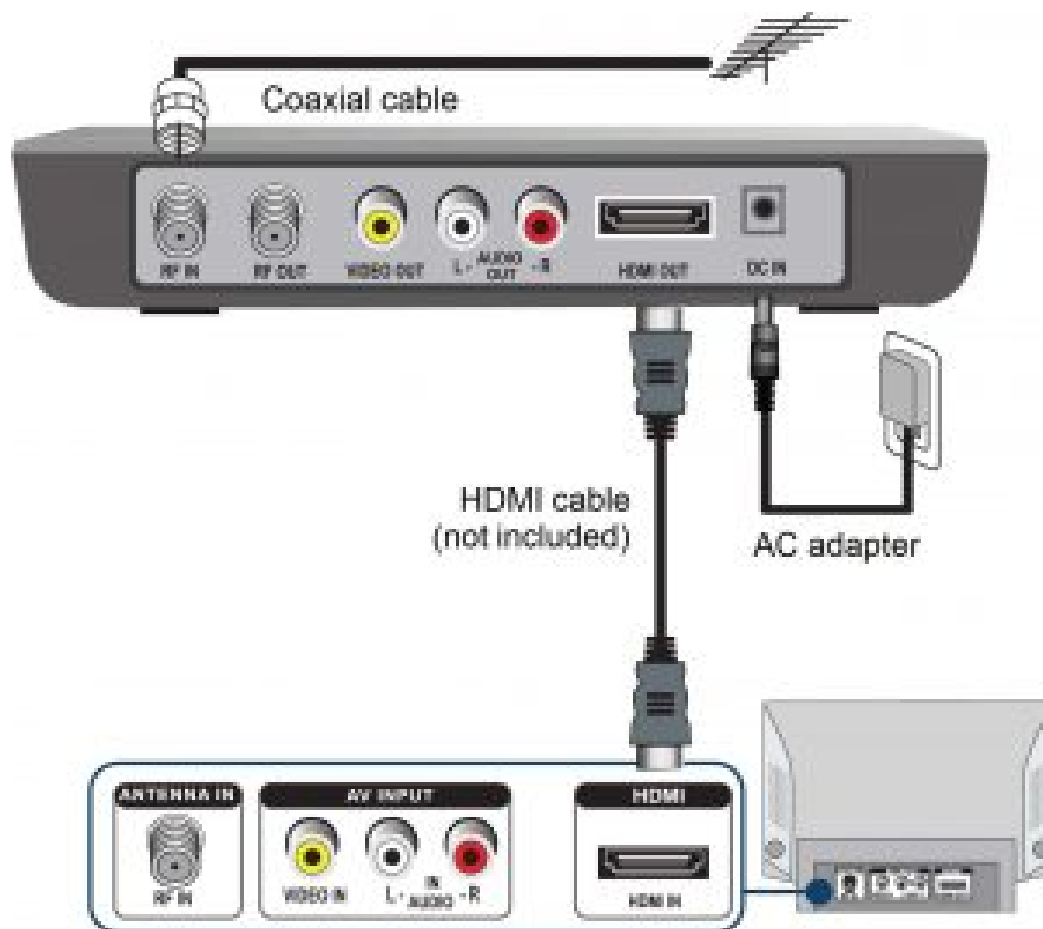
Setting up your converter box

You can connect your converter box with HDMI (not included), AV (not included), or coaxial (included) cables. You must connect an antenna to your converter box.

CONNECTING WITH AN HDMI CABLE (BEST)

An HDMI connection provides the best video and audio quality.

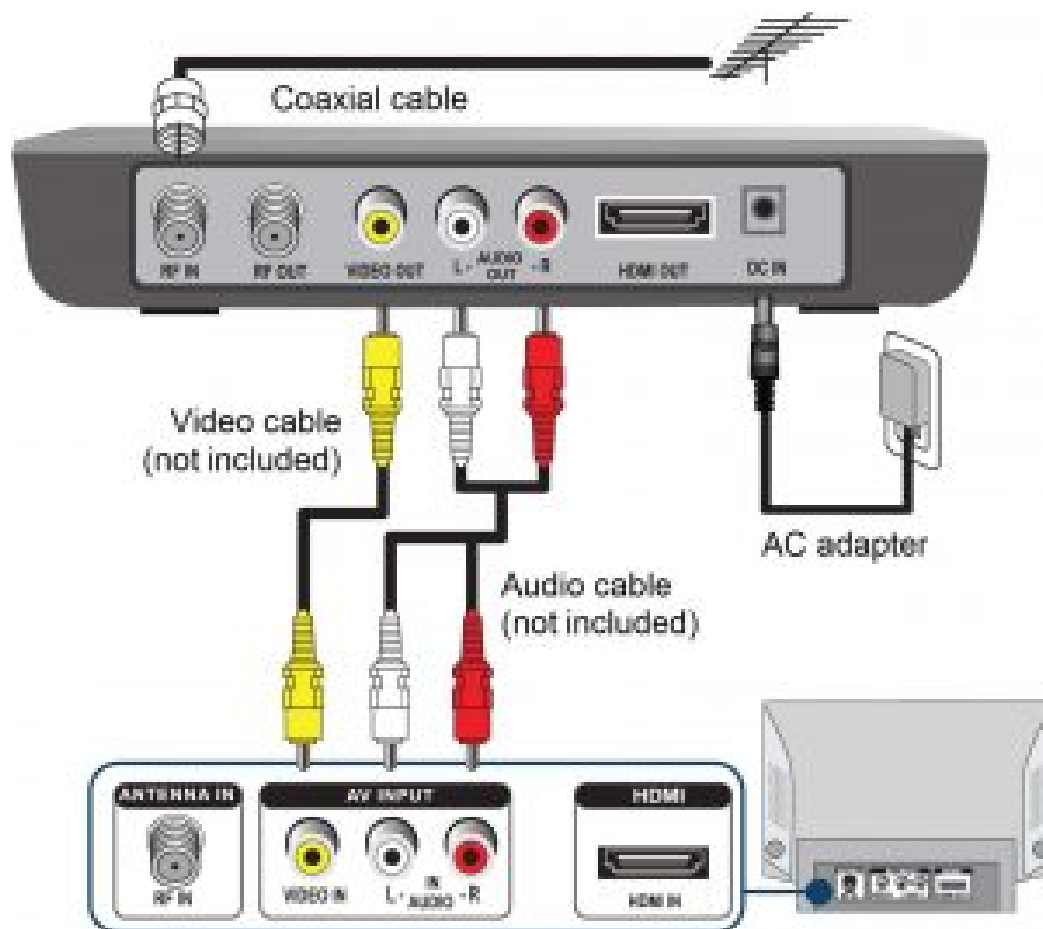
1. Connect your existing antenna cable to the RF IN jack on the converter box. You may need to remove the antenna cable from the back of your TV and connect it to the converter box.
2. Connect an HDMI cable (not included) from the converter box's HDMI OUT port to your TV's HDMI IN port.
3. Connect the AC adapter from the DC IN jack to a power outlet.
4. See Setting initial setup options (on page 12) to finish setting up your converter.



CONNECTING WITH AN AV CABLE (BETTER)

You can use this option if your TV has Video (yellow) and Audio Left/Right (white/red) AV ports.

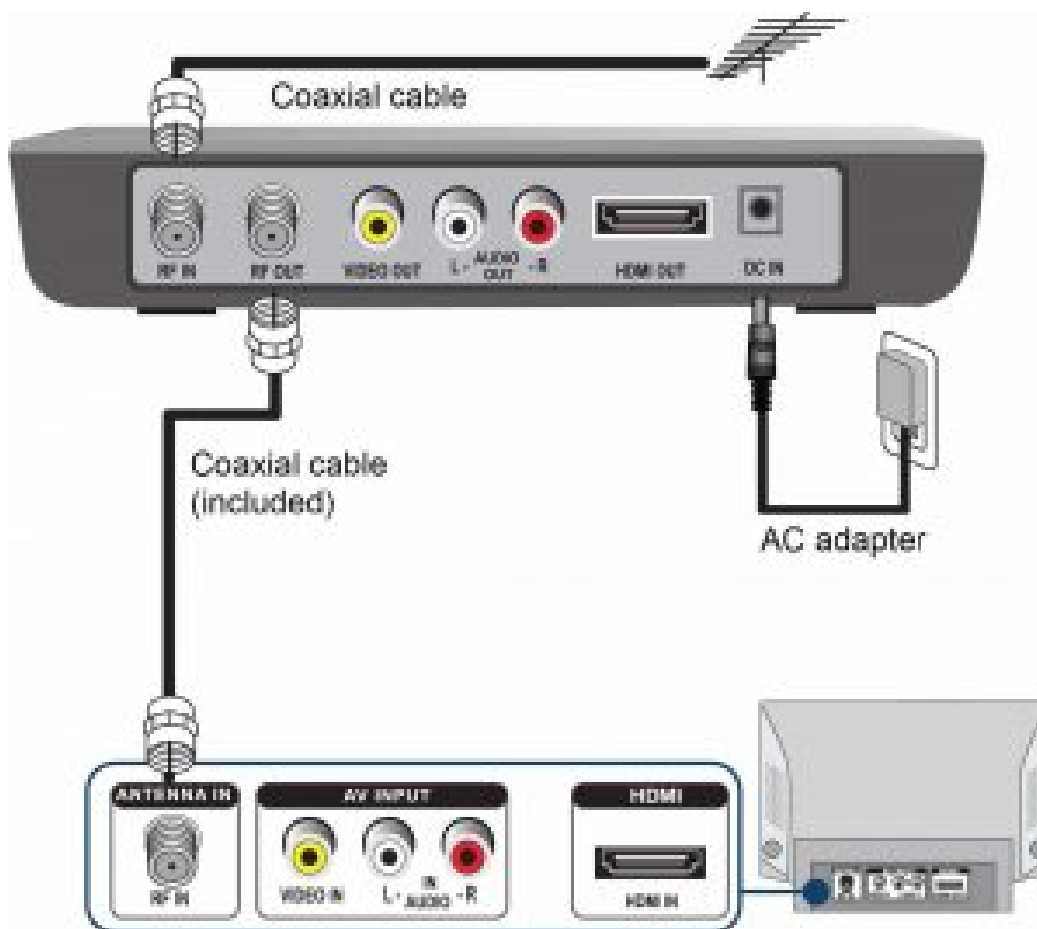
1. Connect your existing antenna cable to the RF IN jack on the converter box. You may need to remove the antenna cable from the back of your TV and connect it to the converter box.
2. Connect a yellow video cable (not included) from the converter box's VIDEO OUT jack to your TV's VIDEO IN jack.
3. Connect a red and white audio cable (not included) from the converter box's AUDIO OUT L/R jacks to your TV's AUDIO IN L/R jacks.
4. Connect the AC adapter from the DC IN jack to a power outlet.
5. See Setting initial setup options (on page 12) to finish setting up your converter.



CONNECTING WITH AN RF (COAXIAL) CABLE (GOOD)

The resolution of the video signal output is 480i for both RF and AV connections, but AV gives better sound and signal quality. You will need an additional coaxial cable if you use this setup option.

1. Connect your existing antenna cable to the RF IN jack on the converter box. You may need to remove the antenna cable from the back of your TV and connect it to the converter box.
2. Connect a coaxial cable (included) from the converter box's RF OUT jack to your TV's ANTENNA IN jack. For best performance with this connection, change the Audio Output option to Mono from Stereo (see your TV's user guide for more information).
3. Connect the AC adapter from the DC IN jack to a power outlet.
4. Turn on your TV and converter box.
5. See Setting initial setup options (on the next page) to finish setting up your converter.



SETTING INITIAL SETUP OPTIONS

1. Turn on your converter box and TV.
2. Use your TV's remote to select the correct source on your TV:
 - If you connected the converter box with an HDMI cable, select HDMI.
 - If you connected the converter box with an AV cable, select AV.
 - If you connected the converter box with a coaxial cable, tune your TV to channel 3.

Note
<p>If channel 3 is used as a broadcast station in your area, you need to switch the converter box's RF Output to channel 4 after the <i>Easy Install</i> wizard is finished. To change the RF output:</p> <ol style="list-style-type: none"> 1. Press MENU on the remote control. 2. Select the Settings menu, then select the System options. 3. Press ▲ or ▼ to select RF Output, then press ◀ or ▶ to select CH 3 or CH 4.

The Welcome screen opens.

3. Press **◀** or **▶** to select a language, then press OK or the green button on your remote. The channel scan begins.



4. Press ◀ or ▶ to select your time zone, then press OK or the green button on your remote.



5. Press ◀ or ▶ to choose the type of connection you used to connect the converter box to your TV, then press OK or the green button on your remote.



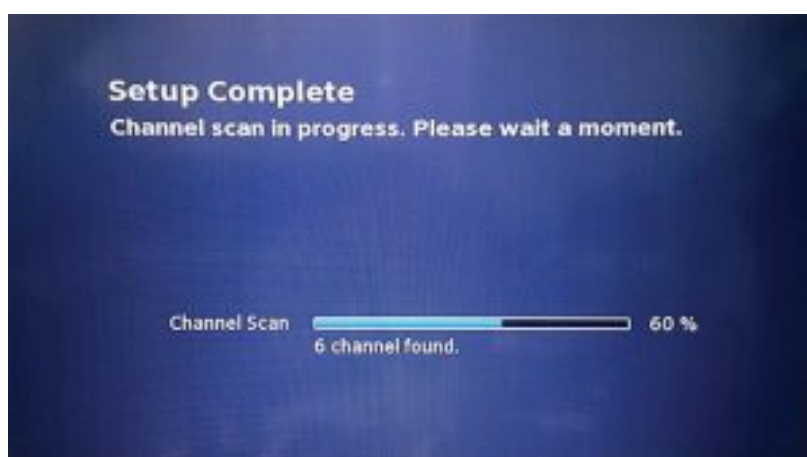
6. If you selected **HDMI** in step 5, press ◀ or ▶ to select your video resolution, then press **OK** or the green button on your remote.



7. Press ◀ or ▶ to enable Text-to-Speech, then press OK or the green button on your remote.



8. When the channel scan is finished, setup is complete. See Using your converter box (on the next page) for more information.



Tips

- The channel scan may not find all available channels. See Changing channels (on the next page) to learn how to navigate to channels that aren't in the memorized list.
- If a channel in range is not in the memorized list, you can run the channel scan again. See Running a channel scan (on page 16) for instructions.

Using your converter box

TURNING YOUR CONVERTER BOX ON OR OFF

- Press POWER to turn your converter box on or off. The power indicator lights:
Red: Standby mode
Green: On

CHANGING CHANNELS

You must use the buttons on the converter box, the remote that came with your converter box, or program a universal remote to work with your converter box.

- Press CH+ or CH– to select a channel in the memorized list.


OR

- Press the number buttons for the channel you want. To enter a digital subchannel (for example 2.1), press the main channel numbers, press **■**, then press the numbers for the sub-channel.

OPENING THE GUIDE

- Press GUIDE on your remote control.

ADDING OR REMOVING A FAVORITE CHANNEL

1. Press **MENU** on the remote control.
2. Select  **Program Guide**, then press **OK**.
3. Press **▲** or **▼** to **select** the channel you want to add, then press **FAV** on your remote.
4. **Press the Yellow button** to view your Favorites list.
5. To remove a channel from your Favorites list, select it then press **FAV** on your remote.



USING ANALOG PASS-THROUGH

The pass-through function lets your TV function as it did without the converter box (receiving analog channels only).

- Press **PASS-THRU** on your remote control to enable or disable.





RUNNING A CHANNEL SCAN

If a channel that you know exists is not in the memorized lists, adjust your antenna and run the channel scan again:

1. Press **MENU**, then select  **Settings**.
2. Press **▲** or **▼** to highlight **Channel Scan**, then select **Start scan**.


Using the setup menu

1. Press **MENU** on the remote control. The Main Menu opens.

Title	Description
 Program Guide	Displays program guide information, schedule, and favorite channels you set.
 Closed Captioning	Press ▲ or ▼ to select the captions setting you want to change, then press OK or ► to select. <ul style="list-style-type: none">• Analog Service or Digital Service• FONT: Choose the size, style, color, and effects.• EDGE: Choose the color and type.
 Lock	Enter the 4-digit passcode to set up the parental controls settings including Channel, Ratings, and RRT. The default passcode is 0000.
 Settings	Includes all system and user settings for the converter box.

2. Press **▲** or **▼** to select the menu item you want to review, then press **OK** to open.

SETTINGS MENU


1. Press **MENU** on the remote control, then press **▼** to select  **Settings**.
2. Press the **Green** button to open the System options, then press **▲** or **▼** to select the option you want.
3. Press **►** to switch between available options.



Setting	Description
Text-to-Speech	Select to turn on or off text to speech.
Video	Select the aspect ratio you want: <ul style="list-style-type: none"> • Widescreen: View content in a 16:9 widescreen aspect ratio. • Fullscreen: Display a 16:9 picture in the 4:3 aspect ratio. • Zoom: Zoom in on the picture. • Stretch: Squeeze a 16:9 picture onto a 4:3 screen.
RF Output	When connected to your TV with an RF cable, you can change the output channel to 3 or 4. If channel 3 is used as a broadcast station in your area, switch the RF output to channel 4.
HDMI	When connected to your TV with an HDMI cable, use this option to select your video resolution (Auto, 480p, 720p, or 1080i).

Language	Select your converter box's language (English, Spanish, or French).
Power Saver	Set the sleep timer to turn off your TV after a specified period of time (4 hours, 8 hours, or Disabled).
Antenna	Displays your signal level and quality to help adjust your antenna.
Time Zone	Set your time and time zone.
Channel Scan	Scan for available channels.
System Setup	Reset back to factory default settings.

USER MENU

1. Press **MENU** on the remote control, then press ▼ to select  Settings.
2. Press the **Yellow** button to open the User options, then press ▲ or ▼ to select the option you want.
3. Press ► to switch between available options.



Setting	Description
Banner Timeout	Select how long a pop-up banner displays (3, 6, or 9 seconds).
Opacity Level	Set the transparency effect of the menu picture (Opaque, 90%, 80%).
Menu Style	Choose the menu alignment: <ul style="list-style-type: none"> • Top align: Four menu icons fixed on the left without displaying content. • Top align (expand): Four menu icons fixed on the left with content. • Center align: Menu icons are rotating as selected without displaying content. • Center align (expand): The menu icons are rotating as selected with content.
Banner Position	Select the position of the channel banner (bottom left or top right corner).
RRT Download	Enable to download rating region table (RRT) for content.
Standby	Set the standby mode: <ul style="list-style-type: none"> • Power off: Turns off the converter box. • Active standby: Turns off the screen, but keeps the converter box running.

Resetting your converter box

1. Unplug the AC adapter from the back of your converter box, then wait 60 seconds.
2. Plug the AC adapter back into the **DC IN** jack, then turn on your converter box.

Troubleshooting

Problem	Solution
Converter box won't turn on.	<ul style="list-style-type: none"> • Make sure that the AC adapter is correctly inserted into a working power outlet. • Press the (power) button on the front panel to see if the green light (power indicator) is on.
Poor picture quality.	<ul style="list-style-type: none"> • Make sure that the antenna is pointing in the correct direction. Scan for available channels after moving the antenna. Press MENU, select Settings, then select Channel Scan. • Do not bundle the coaxial cable with the power cord or other cables. • If you use a UHF/VHF amplifier to boost the signal level, make sure that it is operating correctly. • If the picture quality is good on some channels and poor on others, the problem may be caused by a poor or weak signal from the broadcaster or cable TV provider. • If you connect to cable TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable TV provider about upgrading to a set-top box. • Many high-definition (HD) channels upscale standard-definition (SD) content. The picture displayed on your TV is still displayed as SD, thus the picture quality will not be as clear or crisp as it would be if the content was originally recorded in HD.
No audio.	<ul style="list-style-type: none"> • Make sure that your TV's volume is turned up and not muted. • Make sure that the cables are connected correctly and securely. • Check with local TV stations to see if they are testing new services.

Problem	Solution
No video.	<ul style="list-style-type: none"> • If your TV is connected to the converter box with an HDMI cable, make sure that the TV's input (source) is set to HDMI. • If your TV is connected to the converter box with an AV cable, make sure that the TV's input (source) is set to the correct video input (for example, AV or Video 1). • If your TV is connected to the converter box with a coaxial cable, make sure that the TV is set to the correct channel (3 or 4). • Make sure that the video cable between the TV and the converter box is connected correctly. • Scan for available channels. Press MENU, select Settings, then select Channel Scan.
Some channels are not available after running an Auto Scan.	<ul style="list-style-type: none"> • Adjust your antenna and scan for available channels. See Running a channel scan (on page 16). • Make sure that you have the correct antenna type. To determine which antenna you need for your area, visit www.antennaweb.org. Type in your address and zip code to find an antenna that will continue giving you free local broadcast programming.
No closed caption displayed.	<ul style="list-style-type: none"> • Make sure that the channel you are watching carries closed caption information. • Press the CC button on the remote control to check for closed caption data output.
Cannot use the converter box with my cable box.	<ul style="list-style-type: none"> • The converter box works only with over-the-air broadcast television signals, not cable or satellite service.

Specifications

RF Input	
Demodulation	8VSB
Frequency Range	54 - 860 MHz
Connector Type	F-Type × 1
RF Output	
Signal Type	NTSC
Connector Type	F-Type × 1
Video Output	
Signal Type	NTSC
Impedance	75 Ohms
Output Level	1Vp-p
Connector	RCA × 1
HDMI Output	
Connector Type	Type A × 1
Impedance	100 Ohms ± 15%

Audio Output	
Output	Left and Right channel
Impedance	600 Ohms (min.)
Output Level	2Vrms±10%@0dBFS
Connector	RCA × 2
Front Panel	IR Receiver, 3 Key Function Control, Status LED (power and standby)
Power Consumption (Product)	
Operation	120VAC, 60Hz, 8W (max.)
Standby	<0.8W
AC Adapter Specification	
Input	100~240VAC, 50~60Hz
Output	5VDC/2.0A/10W
Dimension (W × D × H)	6.9 × 5.3 × 1.3 in. (175 × 135 × 33 mm)
Weight	8.8 oz. (250 g)

Legal Notices

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation 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 with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a

residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with 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 warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

OPEN SOURCE SOFTWARE NOTICE

This product includes the following:

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Warranty

Definitions:

The Distributor* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of 90 days 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 branded retail store or online at www.bestbuy.com and www.bestbuy.ca and is packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 90 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 retail store location, please take your original receipt and the Product to any Best Buy 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 online web site (www.bestbuy.com or www.bestbuy.ca), 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 warranty service, in the United States call 1-888-BESTBUY and in Canada call 1-866-BESTBUY. Call agents may diagnose and correct the issue over the phone.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the county where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- 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
- 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
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)

- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

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