

CIS2000 IP Set-Top



Notice for Installers

The servicing instructions in this notice 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.

Note to System Installer

For this apparatus, the coaxial cable shield/screen shall be grounded as close as practical to the point of entry of the cable into the building. For products sold in the US and Canada, this reminder is provided to call the system installer's attention to Article 800-93 and Article 800-100 of the NEC (or Canadian Electrical Code Part 1), which provides guidelines for proper grounding of the coaxial cable shield.



This symbol is intended to alert you that uninsulated voltage within this product may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this product.

Ce symbole a pour but d'alerter toute personne qu'un contact avec une pièce interne de ce produit, sous tension et non isolée, pourrait être suffisant pour provoquer un choc électrique. Il est donc dangereux d'être en contact avec toute pièce interne de ce produit.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS

RISQUE DE CHOC ÉLECTRIQUE
NE PAS OUVRIR

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

WARNING
TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



This symbol is intended to alert you of the presence of important operating and maintenance (servicing) instructions in the literature accompanying this product.

Ce symbole a pour but de vous avertir qu'une documentation importante sur le fonctionnement et l'entretien accompagne ce produit.

20070131 SysInstaller 800 US/Canada/Intl

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IMPORTANT SAFETY INSTRUCTIONS

Read These Instructions Keep These Instructions Heed All Warnings Follow All Instructions Power Source Warning

A label on this product indicates the correct power source for this product. Operate this product only from an electrical outlet with the voltage and frequency indicated on the product label. If you are uncertain of the type of power supply to your home or business, consult your service provider or your local power company.

The AC inlet on the unit must remain accessible and operable at all times.

Ground the Product

If this product connects to coaxial cable wiring, be sure the cable system is grounded (earthed). Grounding provides some protection against voltage surges and built-up static charges.

This product may contain a tuner capable of receiving off-the-air broadcasts.



WARNING:

Avoid electric shock and fire hazard! Do not locate an outside antenna system in the vicinity of overhead power lines or power circuits. Touching power lines or circuits might be fatal.

Protect the Product from Lightning

For added protection, unplug this apparatus during lightning storms or when unused for long periods of time. In addition to disconnecting the AC power from the wall outlet, disconnect the signal inputs.

Verify the Power Source from the On/Off Power Light

When the on/off power light is not illuminated, the apparatus may still be connected to the power source. The light may go out when the apparatus is turned off, regardless of whether it is still plugged into an AC power source.



WARNING:

Avoid electric shock and fire hazard! Do not overload AC mains, outlets, extension cords, or integral convenience receptacles. For products that require battery power or other power sources to operate them, refer to the operating instructions for those products.

Prevent Power Cord Damage

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

Provide Ventilation and Select a Location

- Remove all packaging material before applying power to the product.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not place this apparatus on a bed, sofa, rug, or similar surface.
- Do not place this apparatus on an unstable surface.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not install this apparatus in an enclosure, such as a bookcase or rack, unless the installation provides proper ventilation.
- Do not place entertainment devices (such as VCRs or DVDs), lamps, books, vases with liquids, or other objects on top of this product.

Protect from Exposure to Moisture and Foreign Objects

Do not use this apparatus near water.



WARNING:

Avoid electric shock and fire hazard! Do not expose this product to liquids, rain, or moisture.



WARNING:

Avoid electric shock and fire hazard! Unplug this product before cleaning. Clean only with a dry cloth. Do not use a liquid cleaner or an aerosol cleaner. Do not use a magnetic/static cleaning device (dust remover) to clean this product.



WARNING:

Avoid electric shock and fire hazard! Never push objects through the openings in this product. Foreign objects can cause electrical shorts that can result in electric shock or fire.

IMPORTANT SAFETY INSTRUCTIONS, continued

Accessories Warning



WARNING:

Avoid electric shock and fire hazard! Only use attachments/ accessories specified by your service provider or the manufacturer.

Service Warnings



WARNING:

Avoid electric shock! Do not open the cover of this product. Opening or removing the cover may expose you to dangerous voltages. If you open the cover, your warranty will be void. This product contains no user-serviceable parts. Refer all servicing to qualified service personnel.

Servicing is required when the apparatus has been damaged in any way, such as a 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.

Check Product Safety

Upon completion of any service or repairs to this product, the service technician must perform safety checks to determine that this product is in proper operating condition.

Protect the Product when Moving It

Always disconnect the power source when moving the apparatus or connecting or disconnecting cables.



WARNING:

Avoid personal injury and damage to this product! Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

20080402 Set-Top Cable International

Safety First

Before using the set-top, read the Important Safety Instructions section of this guide.

Identify Your Set-Top

Your service provider may ask for the serial number or the MAC address of the set-top if your system requires troubleshooting in the future.

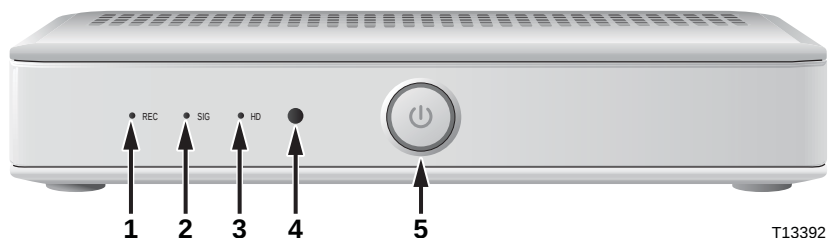
Look for the serial number and the MAC address on the bottom of the set-top.

Write the serial number here: _____

Write the MAC address here: _____

Front Panel Features

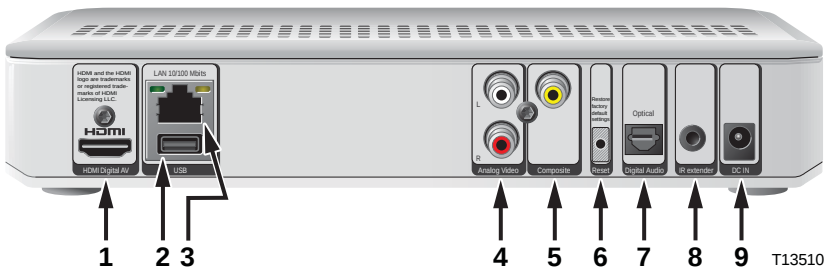
Note: The CIS2000 IP set-top comes in either a black or a white chassis. The functionality and connectors are identical for either chassis.



- | | |
|---------------------|--|
| 1 REC | Indicates that a recording is in progress in multi-room network mode. The LED is red |
| 2 SIG | Indicates that a network signal is being received. The LED is yellow |
| 3 HD | Indicates that a high-definition (HD) program is in progress. The LED is blue |
| 4 IR Sensor | Receives the infrared signal from the remote control |
| 5 On/Standby | Switches between On and Standby modes. The power status includes a dual-colored ring. The ring is green when power is on; the ring is red when in standby mode |

Back Panel Connectors

Note: The CIS2000 IP set-top comes in either a black or a white chassis. The functionality and connectors are identical for either chassis.



- | | |
|----------------------------------|--|
| 1 HDMI™ connector | Connects to your HD-capable TV, monitor, or home theater receiver |
| 2 USB port | Connects to compatible USB devices (functionality determined by software) |
| 3 Ethernet connector | Connects to a router or an integrated access device (IAD) |
| 4 Audio Out (L/R) | Connects with RCA cables to send analog audio to a TV, VCR, or stereo receiver |
| 5 Composite Video output | Connects to a TV, VCR, or monitor with composite video input |
| 6 Reset button | Restarts the IP set-top |
| 7 Digital Audio connector | Connects with an optical cable to send a digital audio signal to a surround-sound receiver or other digital audio device |
| 8 IR Extender output | Connects to an IR extender |
| 9 Power supply input | Connects with the supplied external power supply to the wall |

Preparation and Installation Overview

Check the contents of the package

This package should contain the following components:

- CIS2000 IP Set-Top
- External power adapter
- User manual

If any of these components are missing or damaged, please contact your provider's Technical Customer Services department.

Note: The package you receive may contain additional cables or devices.

Installation and location

The CIS2000 is designed for operation in closed, dry rooms with a temperature range from 5° to 40°C. Each set-top should have at least 2 inches of open space above it and on each of its sides.



Caution:

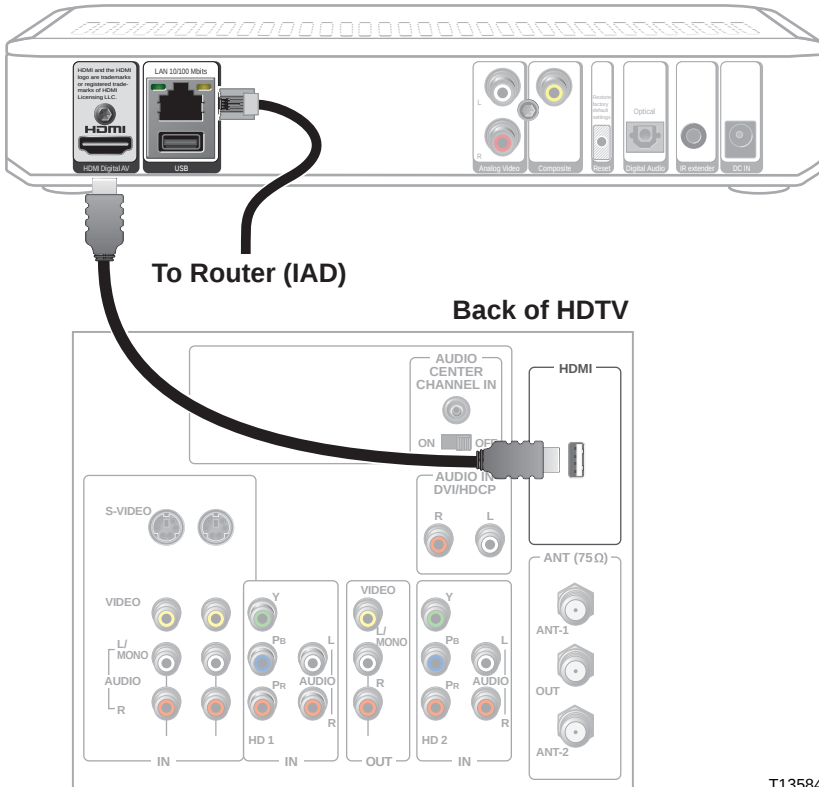
Never expose the equipment to sources of heat or the direct impact of sunlight. Protect the equipment against humidity, dust, aggressive fluids and vapours.

Installation and Power On

Installation At-a-glance

The following illustration shows a typical installation scenario for a CIS2000 set-top.

Important: With copy-protected digital content, a reduced display quality can occur if the IP set-top is not directly connected to the TV. Therefore, connect your TV directly to the IP set-top and not through a DVD or video recorder.



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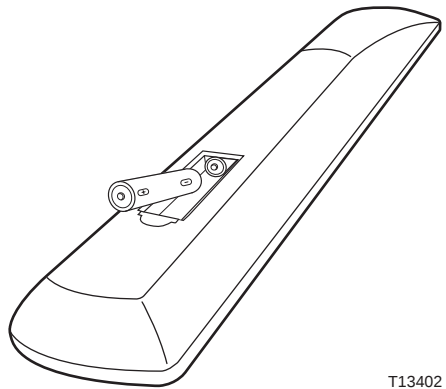
1. Connect the IP set-top to a router (IAD) with a CAT5, CAT5e, or CAT6 Ethernet cable.
2. Connect the IP set-top to a TV, monitor, or HDMI-equipped device using an HDMI-to-HDMI cable.
3. Connect the IP set-top to a power supply.

Inserting Batteries into the Remote Control

Two batteries are needed for the remote control (Type AAA 1.5 V, included)

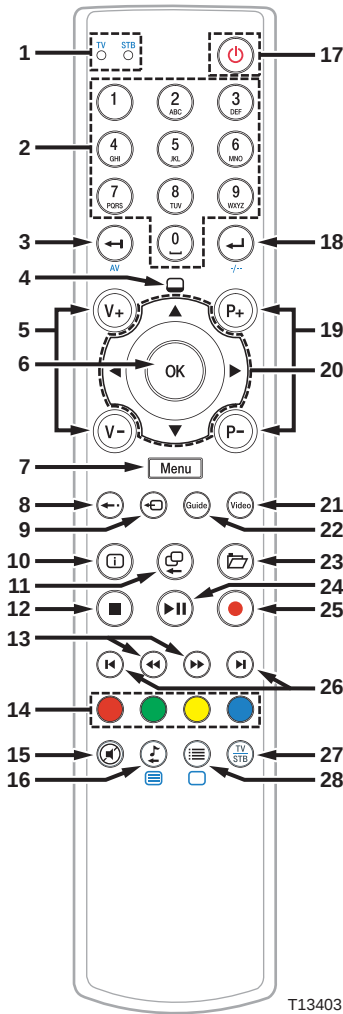
Insert the batteries into the remote control as follows:

1. From the back of the remote control, push the tab down and pull the battery cover away from the device.
2. Insert the batteries in a single row into the compartment. Pay attention to the polarity of the batteries. The correct position is indicated inside the battery compartment.
3. Insert the battery cover (edge opposite tab) and push it toward the remote control until the tab locks into place.



T13402

Remote Control Features



- 3 STB mode: Delete entry
TV mode: Switch AV-input or switch to an external device
- 4 Displays the preview window
- 5 Volume control – Adjusts sound to be louder or quieter
- 6 Confirms your selection in a menu
- 7 Displays the start menu
- 8 Returns to the last displayed page
- 9 Switches to TV picture
- 10 Shows information about the current program
- 11 Switches to previously selected channel or changes the screen display
- 12 Stops recording or playback
- 13 Fast forward or rewind spooling
- 14 Multi-function buttons
- 15 Turns the sound on and off
- 16 STB mode: Starts radio channels (for future use)
TV mode: Starts Videotext
- 17 **Power**
STB mode: Switches your set-top on and off
TV mode: Switches your TV on and off
- 18 STB mode: Confirms entry
TV mode: Allows 2-digit channel numbers to be entered
- 19 Switching the channels and programs
- 20 Navigates through menus
- 21 Tunes to video-on-demand programming
- 22 Activates the electronic program guide (EPG)
- 23 Accesses the VIDEO RECORDER menu
- 24 Pauses a video-on-demand program and (when pressed again) recommences the program display with a time delay
- 25 Records the current TV program directly; programs the current TV program for recording (not currently supported on this set-top)
- 26 Skips forward or backward
- 27 Switches from STB mode to TV mode and back
- 28 STB mode: Options – Switches to list of options
TV mode: Switches from Teletext to TV-channel

- 1 Indicates if the remote is controlling the set-top (STB) or the TV.

Operation mode display

STB: Illuminates when the IP set-top is controlled by remote

TV: Illuminates when the TV is controlled by remote

- 2 STB mode: Direct selection of channels; Text entry in input fields
TV mode: Direct selection of individual channels



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