



Cisco Smart+Connected Remote 250 Reference Guide

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Introduction

The Cisco Smart+Connected Remote 250 (SCH-REMOTE-250) allows residents to control automation features and manage their personal audio and video equipment from anywhere in the residence. The Cisco Remote 250 is used with an on-screen navigator (such as a television) and includes an LED display for complete residential control using only the remote.

The Cisco Remote 250 provides wireless connectivity of any intelligent device from anywhere in the residence. Line of sight is not required—the remote does not have to be pointed at the TV or Cisco Controller.

Figure 1 *Cisco Remote 250*



The Cisco Remote 250 offers:

- Bi-directional communication — Two-way communication with the Cisco Controller to provide status information as well as control of any connected device.
- Ease of use — High-visibility screen and backlit keys for easy use in any lighting conditions. Complete control in a small package that fits perfectly in your hand.
- Anything control — Control an entire residential automation system with this compact remote. No additional remote controls are needed in the residence.
- Quick access control — Residents can press a single button to turn on their audio-video gear and play their favorite movies or music.
- Ready to use worldwide with international icons on buttons providing a simplified and intuitive user experience for all remote control activities.
- Recommended for use with the Cisco Controller 250 and Cisco Controller 800.

Install and Maintain the Disposable the Batteries

Install the Batteries

Install the four (4) AA batteries (included) into the back of the Cisco Remote 250. Insert them according to the diagram provided in the battery compartment (with the + and - terminals aligned correctly).

Battery Use and Care Tips

- Keep the battery contacts and compartment clean.
- Remove the batteries from the product if it is not going to be used for several months.
- Extreme temperatures reduce battery performance. Avoid putting the Cisco Remote 250 in very warm places.

Battery Replacement and Safety Rules



Caution

To prevent a battery short, leakage or rupture:

- Use typical AAA Alkaline batteries only.
- Do not mix battery types, such as Alkaline and rechargeable NiMH batteries.
- Do not attempt to recharge a battery unless the battery is specifically marked “rechargeable.”
- Never dispose of batteries in a fire.

ATTENTION! Pour empêcher court-circuiter, fuite ou rupture de batterie:

- Utilisez les accumulateurs alcalins typiques d’AAA seulement.
- Ne mélangez pas les types de batterie, tels que les batteries alcalines et rechargeables de NiMH.
- N’essayez pas de recharger une batterie à moins que la batterie soit spécifiquement marquée « rechargeable ».
- Ne vous débarrassez jamais des batteries dans un feu.
- Ne vous débarrassez jamais des batteries dans un feu.

VORSICHT! Das Batteriekurzschluß, -durchsickern oder -abbruch verhindern:

- Benutzen Sie AAA alkalische Batterien nur im Schalter.
- Mischen Sie nicht Batteriearten, wie alkalische und nachladbare NiMH Batterien.
- Versuchen Sie nicht, eine Batterie neuzuladen, es sei denn die Batterie ist spezifisch gekennzeichnetes „nachladbares.“
- Entledigen Sie nie sich Batterien in einem Feuer.

Install and Use the Optional Recharging Kit

An optional Cisco Remote Charging Station with a rechargeable battery is available to ensure a fully charged battery at all times. If the battery level drops, simply place the remote in the station until the remote is fully charged and ready to use again. These items are purchased separately.

See the following for more information:

- [Ordering Information, page 5](#)
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- [Installing the Remote Charging Kit, page 5](#)
- [Recharging Station Lights, page 10](#)
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Figure 2 *Cisco Smart+Connected Remote Charging Station*

**Note**

A lithium polymer rechargeable battery is used in this product. See the “[Specifications](#)” section on [page 14](#) for more information.

**Note**

We recommend that you keep the remote on the recharging station when not in use.

Ordering Information

Table 1 *Cisco Smart+Connected Remote 150 Recharging Kit*

Product Name	Part Number
Cisco Smart+Connected Remote 250 Recharging Kit	SCH-REMOTE-250-CHK
Note The Recharging Kit includes a charging station, rechargeable battery and new back cover plate for the remote.	
Cisco Smart+Connected Remote 250 Rechargeable Battery and Cover only	SCH-REMOTE-250-BPK

What's in the Box?

The recharging station is sold and shipped in a separate box (it is not included in the Cisco Remote box). Make sure the following items are in the box:

- Recharging Station Cradle
- Power Supply
- Rechargeable Battery (Lithium Polymer)
- Battery Cover
- Warranty Card

Installing the Remote Charging Kit



Note

IMPORTANT! The remote must be used in a project running release 2.5.0 or later to properly indicate the battery level; otherwise, a “Low Battery Warning” alert will appear (if an alert is configured) or in the Cisco Remote 250 window.

Procedure

- Step 1** Remove the old batteries from your new or existing remote.
- Turn the remote upside down. On the bottom of the remote, pull the battery cover toward you with your thumb and lift it off of the remote ([Figure 3](#)).

Figure 3 *Remove the Battery Cover*



- With your fingertip, pull out the old batteries ([Figure 4](#)).

Figure 4 *Remove the Old Batteries*



Step 2 Insert the rechargeable battery into your new or existing remote.

- a. On the bottom of the remote (with the cover off and the old batteries taken out), insert the rechargeable battery by sliding the small end into the slot first (Figure 3). Note the orientation of + and - symbols for proper battery insertion (Figure 5).

Figure 5 *Rechargeable Battery*



- b. Seat the battery securely into the slot and push down (Figure 6).

Figure 6 *Battery Installed*



Step 3 Place the new cover on your existing remote.

If you've purchased a new remote with your recharging station, follow Step 2; otherwise, follow both steps.



Note

If you are using an existing remote with the new battery cover, it will appear that the paint color and texturing may be different. With normal usage, the new battery cover color and texture will blend to match the remote control. You should expect this to occur over a period of 1-2 months.

- a. Insert the remote's new battery cover into the remote. Notice the two metal plates on the cover; that's how you can differentiate the old cover from the new one (Figure 7).

Figure 7 *Replace the Cover*



- b. Slide the battery cover into the slot and then push down until the cover is horizontal. Slide the cover into the slot until it snaps into place.

Step 4 Attach the power supply to your recharging station

This section applies to recharging stations for existing or new remotes.

- a. Insert the small end of the USB cable into the back of the recharging station (inside the indentation) and thread the power cord through the indentation in the station ([Figure 8](#)).



Note You can thread the cord straight out or wind it around to the opposite end of the recharging station.

Figure 8 *Insert Power Cordthe Cover*



- b. Attach the USB cable to the power supply.
 - Remove the plastic shield from the power supply.
 - Attach the correct power plug adapter to the power supply by sliding it into the power supply's slot until it clicks into place.
 - (Optional) To remove the power plug adapter, press the Push button and slide the plug out.

- c. Insert the power plug into a power outlet to begin recharging.
- d. For convenience, place the recharging station close to where you use your remote.

Step 5 Set the charging indicator on your recharging station

This section applies to recharging stations for existing or new remotes.

- a. Turn the recharging station over.
- b. Notice the Charging Indicator button labeled 'High, Off, and Low' (Figure 9).

Figure 9 Charging Indicator Button



- c. Move the button to the desired light level.
 - High—Sets to the highest light level.
 - Off—Sets the light to off.
 - Low—Sets the light to low.
- d. Turn the recharging station over to its upright position.

Step 6 Place the Remote on Your Recharging Station

This section applies to recharging stations for existing or new remotes.

- a. If you purchased a recharging station *without* a remote, ensure that you've replaced your old batteries with the new rechargeable batteries and new cover.
- b. While holding the remote in a horizontal position, place it onto the charging station.
- c. Ensure that it is properly seated. The two metal plates on the back of the remote must touch the metal pins in the recharging station (Figure 10). Depending on your light setting an indicator light may come on at the bottom of the recharging station. ()

Figure 10 *Ensure Proper Installation*



Recharging Station Lights

This section applies to recharging stations for existing or new remotes.

Depending on the Charging Indicator brightness you select, the indicator light will be High or Low brightness or Black/Off. When your recharging station is on, you may see the following lights.

- Red—The remote is recharging, and is not fully charged yet.
- Green—The remote is fully charged.
- Black—The light is off. Either the Charging Indicator is turned off, or the remote is not seated properly in the recharging station.

Set Up Your Existing Remote for the Recharging Station

You must update your remote to recognize the new rechargeable battery.

(Optional) You can check **Enable Recharge Station** in Composer Pro (SR-150 or SR-250 remote Properties page) to acknowledge the battery. This view also shows you the percent battery level.

Cisco Remote 250 (Online)

If you have a Cisco Remote 250 that is online, follow these steps:

1. On the remote, press List.
2. Press Info.
3. Press Config.
4. Select Recharge Station.
5. Press Yes.

Cisco Remote 250 (Offline)

If you have a Cisco Remote 250 that is offline, follow these steps:

1. On the remote, press List.
2. Press Config.
3. Select Recharge Station.

Press Yes.

Configure the Remote Control

-
- Step 1** Start Control4 Composer Pro and connect to a Director.
- Step 2** In the **System Design** view, (selected by default), select the room where the Cisco Remote will reside.
- Step 3** In the **My Drivers** tab, locate the **SR-250** under the **User Interface** section.
- Step 4** Double-click **SR-250** to add the device to the project tree.
- Step 5** Identify the Cisco Remote 250:
- a. In the **Connections** view, click the **Network** tab.
 - b. Select **System Remote Control SR-250** in the center pane.
 - c. Click **Identify** (or right-click and choose **Identify**).
 - d. When prompted to do so, press the center button four (4) times to have the device identify to the system.
 - e. When the MAC address appears in the window, click **Close**.
- Step 6** View or change the Cisco Remote properties as needed in Composer Pro. In the **System Design** view's project tree, select the **System Remote Control SR-250** object to display the device's properties.
- The properties include:
- **Display Brightness**—Set the light level (brightness) of the screen backlight. Choose a percentage from 0 (Off) to 100 (full brightness).
 - **Keypad Brightness**—Set the light level (brightness) of the keypad backlight. Choose a percentage from 0 (Off) to 100 (full brightness).
 - **Sleep Mode**—Set how long the Cisco Remote stays awake after no activity. The default setting is 15 seconds, but can be extended up to 60 seconds or can be reduced down to 0 to conserve battery life. Select wake on movement to wake the remote when picked up.
 - **Battery Level**—Displays the current strength of the batteries.
 - **Channel**—Displays the ZigBee channel set for the SR-250, which should match the ZigBee channel for the Cisco Controller.
 - **Gateway**—Displays the MAC address of the ZigBee Server (usually your Cisco Controller unless you specify differently).
 - **Network:**
 - **MAC**—Displays the Cisco Remote MAC address.
 - **Firmware Version**—Displays the current firmware version.

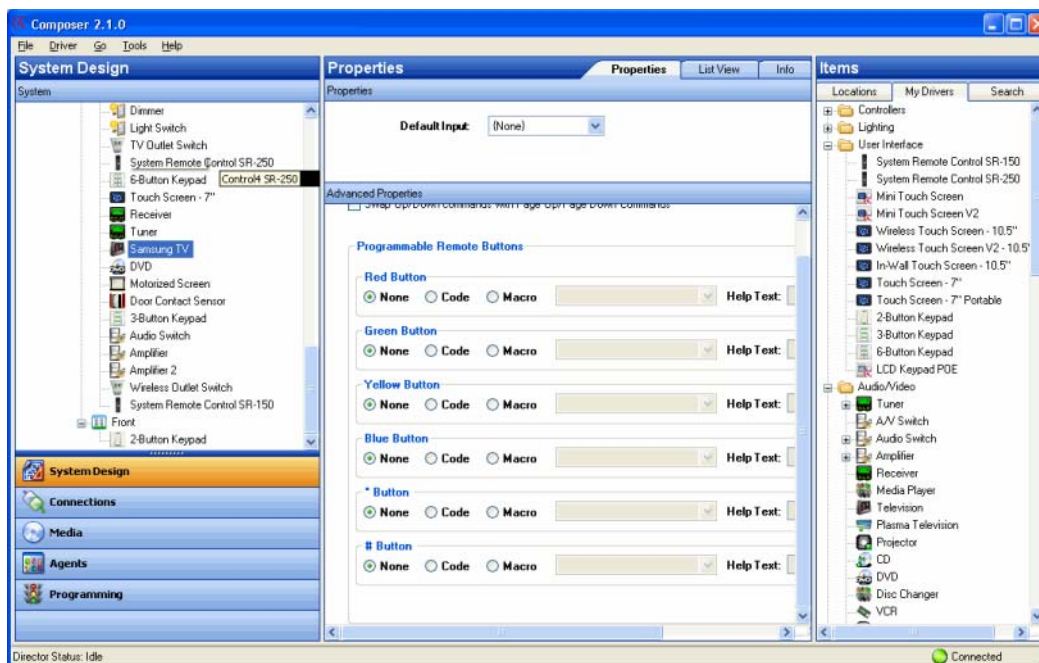
- **Watch/Listen Button Behavior**—Select to start the most recently-used device.

Program the Programmable Buttons

On the Cisco Remote 250, you can program six (6) soft buttons (Red, Green, Yellow, Blue, *, and #) to perform programmed activities. These buttons can be programmed to execute any of the A/V device's macros or IR codes. Program these options using the A/V device Properties page.

- Step 1** Start Composer Pro and connect to a Director.
- Step 2** Ensure the **System Design** view is selected.
- Step 3** Ensure that you have the following devices in your project:
 - Cisco Controller
 - System Remote Control SR-250
 - An A/V device to be controlled
- Step 4** Select the **Connections** view.
- Step 5** On the **Network** tab, ensure the **Controller** and the **System Remote Control** are both network identified (have a network address).
- Step 6** Program the programmable buttons (Red, Green, Yellow, Blue, *, or #) either based on the selected A/V device or the selected room.

Figure 1-11 Programmable Buttons



Based on A/V Device

- Select the **System Design** view.
- Select an A/V device to display the device's **Properties** page.
- On the device's Properties page, choose **Code** or **Macro** for the button you want to program, and then choose a code or macro from the drop-down list, edit the **Help** text as needed, and then choose **Set**.



Note

Help text describes custom programming to end-users under the **House** option in any of the Navigators.

For example:

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- Step 1** In **System Design** view, select **Disc Changer**.
 - Step 2** Under **Red** button, choose **Code**.
 - Step 3** From the drop-down list, choose **Subtitle**.
 - Step 4** Choose the **Set** button to create a **Subtitle** button.
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Based on Room

- Select the **Programming** view.
- Select a room in the **Device Events** pane.
- Select the **Commands** radio button in the **[Room] Events** pane.
- Use the drop-down menu to select a command or button (such as **"Blue Button"**).
- Build the script using items from the **Actions** pane to program the actions desired in the selected room when you select the command or button.

Program Remote Paging

You can configure the Beep paging feature of the Cisco Remote 250 through programming. This feature can be used to page a lost Cisco Remote. A keypad or custom button can be programmed to cause the Cisco Remote to beep when pressed. This lets the user find the lost Cisco Remote.

To program the paging feature for this Cisco Remote:

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- Step 1** Start Composer Pro and connect to a Director.
 - Step 2** Select the Programming view.
 - Step 3** Select the Event that you want to use to start the page. For example, to select a keypad button press, first select the keypad under the Device Event section (on the left), and then select the button under Events.
 - Step 4** In the Actions list (on the right), select System Remote Control SR-250.
 - Step 5** In the Commands list, choose an action for the System Remote Control, and then double-click the green arrow to add the action to the Script pane.

Figure 1-12 *Paging*

System Remote Control SR-250 Actions

Activate the beep until button pressed on System Remote Control SR-250

Commands Conditionals Loops

☒ Beep until button press

☐ Beep for 30 seconds (< 254)

☐ Stop Beep

- **Beep until button press**—The Cisco Remote beeps until you press one of its buttons.
- **Beep for X seconds (<254)**—The Cisco Remote beeps until X seconds have elapsed, or you press one of its buttons.
- **Stop Beep**—The Cisco Remote stops beeping.

Resetting the Device to Factory Settings

To reset all settings to the factory defaults and leave the ZigBee network:

Press **Room Off, #, *, 1, 3, 4, 1, 3**.

Specifications

Table 2 *Cisco Remote 250 Specifications*

Basic Specifications	Description
Buttons	
Total Buttons	47
Quick Access Control Buttons	2
Context Sensitive Programmable Buttons	4
Transport Control Buttons	8
Remote Display	
LED Display	Backlit OLED

Table 2 *Cisco Remote 250 Specifications (continued)*

On-screen Display	
TV Display	On-Screen
Enclosure	
High-Impact Molded Plastic	Yes
Textured Finish	Yes
Communications	
ZigBee (802.15.4)	Yes
Environmental	
Normal operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	–4°F to 149°F (–20°C to 65°C)
Power Requirements	
Batteries	4 AA
Dimensions	
L x W x D	8.3 in. x 2.1 in. x 1.1 in. (190 mm x 55 mm x 27 mm)
Weight (Including Batteries)	8.8 oz. (250 g)
Optional Recharging Station	
Recharging Cradle (L x W x D)	9 in. x 2.5 in. x 2.0 in. (229 mm x 64 mm x 51 mm)
Battery type (included with purchase of the recharging station)	Lithium Polymer
Recharging Station Lights	• Red: Remote is recharging and is not fully charged • Green: Remote is fully charged • Black: Light is off, either the charging indicator is turned off or the remote is not seated properly in the recharging station
Power supply	DC Supply 5V@1A Mini-USB Type Connector Input
Power	5VDC @ 1A Maximum
Humidity	5% - 90% Non-condensing
Storage	0°F to 100°F (–17.8°C to 37.7°C)
Operating temp	40°F to 90°F (4.4°C to 32.2°C)

Regulatory/Safety Information

To review regulatory information, go to www.cisco.com/go/smartconnectedresidential/docs.

Related Documentation

For more information about the Cisco Smart+Connected Residential products, see the following documents and websites:

Subject / Document Title	Location
General	
Product Information and Home Page	www.cisco.com/go/smartconnectedresidential
Data Sheets	http://www.cisco.com/en/US/products/ps12445/products_feature_guides_list.html
Cisco 1-Year Limited Hardware Warranty Terms	www.cisco.com/go/smartconnectedresidential/warranty
Regulatory Compliance and Safety Information for Cisco Smart+Connected Residential Products	www.cisco.com/go/smartconnectedresidential/docs
Cisco Support	www.cisco.com/cisco/web/support/
ReleaseNotes	
Release Notes for the Cisco Smart+Connected Residential Solution	www.cisco.com/go/smartconnectedresidential/docs
Installation and Configuration	
Cisco Smart+Connected Residential Installation and Configuration Guide	www.cisco.com/go/smartconnectedresidential/docs
Cisco RMS Installation and Administration	
Cisco Smart+Connected Remote Management Console Administration Guide	www.cisco.com/go/smartconnectedresidential/docs
Cisco Smart+Connected Remote Management Server Installation Guide	
Hardware Reference Guides	
Cisco Smart+Connected Controller 200 Reference Guide	www.cisco.com/go/smartconnectedresidential/docs
Cisco Smart+Connected Controller 250 Reference Guide	
Cisco Smart+Connected Controller 800 Reference Guide	
Cisco Smart+Connected 7” In-wall Display Reference Guide	
Cisco Smart+Connected Portable Tablet Reference Guide	
Cisco Smart+Connected I/O Extender Reference Guide	
Cisco Smart+Connected Universal Remote 150 Reference Guide	
Cisco Smart+Connected Universal Remote 250 Reference Guide	
Cisco Smart+Connected Video Door Station Reference Guide	
Accounts and Licensing	

Cisco Smart+Connected Residential Licensing and Registration Guide	See your Cisco representative or partner for more information.
Other	
Smart Device Compatibility and other information: Cisco Smart+Connected Smart Device License for Real Estate Developers	http://www.cisco.com/en/US/docs/building/smart_connected/residential/data_sheets/scr_ds_09_smartdevice.pdf
Composer Pro User Guide	http://www.control4.com/documentation/Composer_Pro_User_Guide/index.htm

**Note**

For information about third-party hardware and software, see the manufacturer's product documentation and/or website.

Warranty

A Cisco 1-year warranty applies. Go to the following URL for more information:

www.cisco.com/go/smartconnectedresidentialwarranty

Service and Support

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