

## IMPORTANT SAFETY INSTRUCTIONS

### Notice to 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 820-93 and Article 820-100 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: 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.

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- 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 is 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 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.
- 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 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.

#### 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



**WARNING: Avoid electric shock and fire hazard! 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.**

#### Outdoor Grounding System

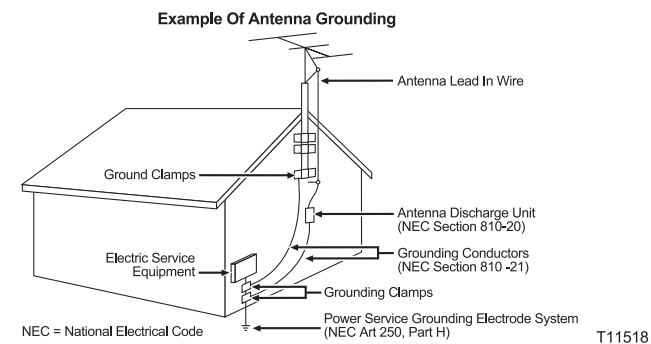
If this product connects to an outdoor antenna or cable system, be sure the antenna or cable system is grounded (earthed). This provides some protection against voltage surges and built-up static charges.

Article 810 of the National Electric Code (NEC) ANSI/NFPA No. 70-1990, provides the following information:

- Grounding of the mast and supporting structure
- Grounding the lead-in wire to an antenna discharge unit
- Size of the grounding conductors
- Location of the antenna-discharge unit
- Connection to grounding electrodes
- Requirements for the grounding electrodes (see the following antenna grounding diagram as recommended by NEC ANSI/NFPA 70)



**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

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.

#### Eliminate AC Mains Overloads



**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.**

#### Provide Ventilation and Select a Location

- Remove all packaging material before applying power to the product.
- 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 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.
- Do not block ventilation openings.

#### Protect from Exposure to Moisture and Foreign Objects



**WARNING: Avoid electric shock and fire hazard! Do not expose this product to liquids, rain, or moisture. Do not expose this product to dripping or splashing liquids, rain, or moisture. Objects filled with liquids, such as vases, should not be placed on this apparatus.**



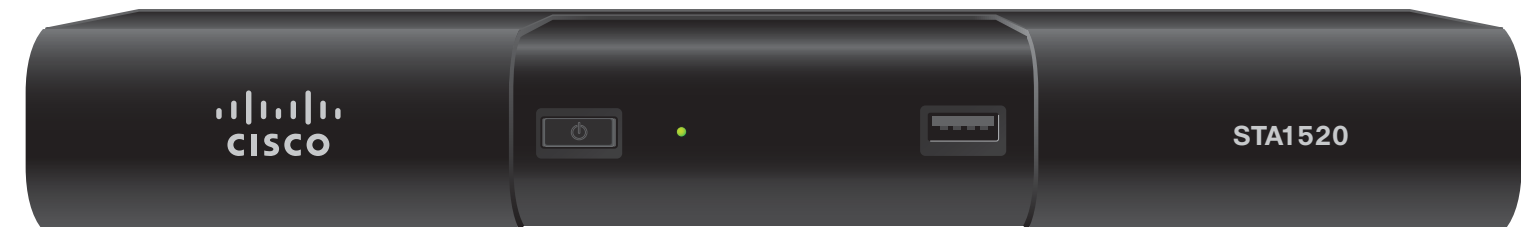
**WARNING: Avoid electric shock and fire hazard! Unplug this product before cleaning. Do not use a liquid cleaner or an aerosol cleaner. Do not use a magnetic/static cleaning device (dust remover) to clean this product.**



**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.**



## Cisco STA1520 Tuning Adapter



#### 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.**

#### 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.

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#### Disclaimer

Cisco Systems, Inc. assumes no responsibility for errors or omissions that may appear in this guide. We reserve the right to change this guide at any time without notice.

#### United States FCC Compliance

This device 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 such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it 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 service provider or an experienced radio/television technician for help.

Any changes or modifications not expressly approved by Cisco Systems, Inc., could void the user's authority to operate the equipment.

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device. *The phone numbers listed are for FCC-related questions only and not intended for questions regarding the connection or operation for this device. Please contact your service provider for any questions you may have regarding the operation or installation of this device.*



#### Declaration of Conformity

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation.

Cisco STA1520 Tuning Adapter  
Model: STA1520  
Manufactured by: Cisco Systems, Inc.  
5030 Sugarloaf Parkway  
Lawrenceville, Georgia 30044 USA  
Telephone: 678 277-1120

#### Canada EMI Regulation

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

20081121 FCC Standard



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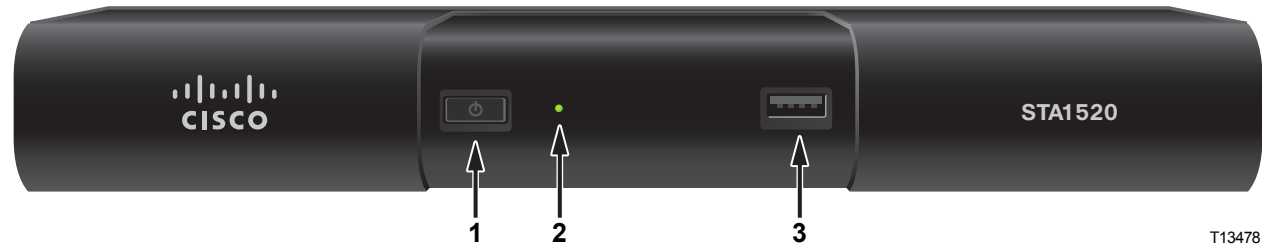
Part Number 78-4024567-07 Rev D

## Welcome

The Cisco® STA1520 Tuning Adapter, when connected to a Unidirectional Digital Cable Product (UDCP), enables access to switched digital broadcasts from your service provider. A UDCP can be a TV or a digital video recorder (DVR) that contains a CableCARD™ module. Contact your service provider for information about these and other available services. Use the instructions in this guide to install the STA1520 and to access your program services.

The consumer support website provides news and information about this product. For more information, please refer to <http://www.cisco.com/web/consumer/support/index.html>

## Front Panel



- 1 **Power Button** Applies power to the set-top
- 2 **Power LED** Illuminates when the set-top is powered on. The LED is green
- 3 **USB 2.0 Port** Reserved for future use

**Note:** This illustration may vary from the actual product.

### Safety and Performance Tip

Keep the top of the device free of all objects and electronic devices, including your TV.

## Back Panel



- 1 **DC Power Inlet** Connects to the external power supply for the device. Use only the power supply adapter that came with your set-top
- 2 **USB** Connects to a UDCP approved by your service provider
- 3 **Cable Out** Connects to a coaxial cable that passes audio and video signals to a UDCP
- 4 **Cable In** Connects to a coaxial cable that delivers the signal from your service provider

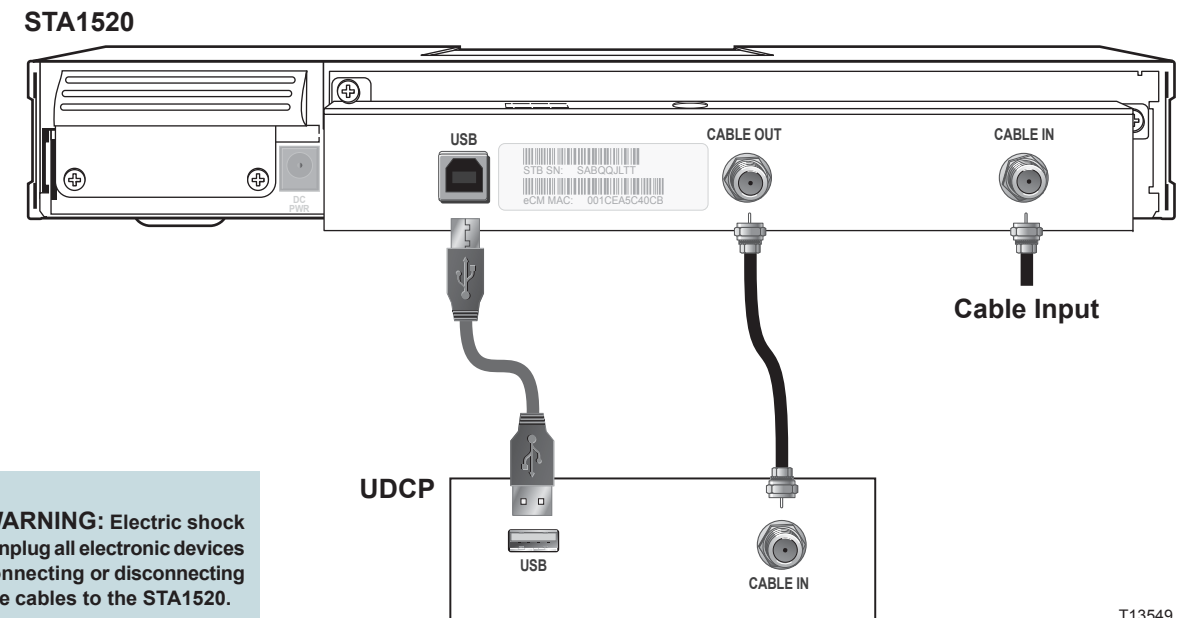
**Note:** This illustration may vary from the actual product.

**Warning**  
Must only use Power Supply Part Number 4019611 (12V DC input power)

## Installing the STA1520

1. Unplug all electronic devices before connecting the STA1520.
2. Connect the STA1520 to the coaxial cable coming in from the wall.
3. Connect the CABLE OUT port to the CABLE IN port on the UDCP.
4. Connect the USB port to the USB port on the UDCP.
5. Plug the STA1520's external power supply and UDCP device into an AC power source.
6. Plug the DC cord from the external power supply into the STA1520.
7. If the POWER LED on the STA1520 does not illuminate automatically, press the POWER button on the front panel of the STA1520.
8. Power on the UDCP.

**Note:** The connections shown here are required.



**Warning**  
Electric shock hazard! Unplug all electronic devices before connecting or disconnecting any device cables to the STA1520.

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## Performance Tips

If the STA1520 does not perform as expected, the following tips may help.

- Verify that the power to your TV and UDCP is turned on.
- If your STA1520 or UDCP is plugged into a wall switch, verify that the switch is in the ON position.  
**Note:** Avoid plugging the STA1520 or the UDCP into an outlet that is controlled by a wall switch.
- Verify that all cables are properly connected as described in the **Installing the STA1520** section.
- Verify that your STA1520 is powered on and that the Power LED is lit, but not blinking.  
**Note:** If the LED is not lit, try pressing the POWER button on the front panel of the STA1520 once again.
- If the LED continues blinking over an extended period of time and you are not receiving services, contact your service provider for further assistance.
- Restart the STA1520 by removing and reinserting the power cable.
- Restart the UDCP.

## Automatic Software Updates

The UDCP displays a message on the TV screen when the STA1520 is receiving a software update.