

Reference Guide

FIND IT.
WATCH IT.
SHARE IT.
LOVE IT.

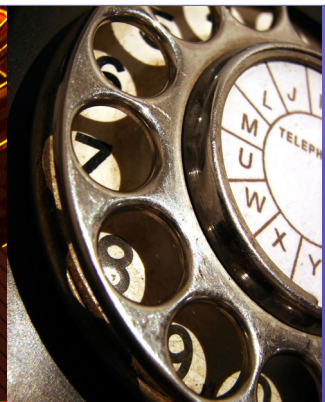
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Important Safety Instructions

- 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 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 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.

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This device is operation in 5.15 – 5.25GHz frequency range, then restricted in indoor use only.

The availability of some specific channels and / or operational frequency bands are country dependent and are firmware programmed at factory to match the intended destination. The firmware setting is not accessible by the end user.

This device is Master equipment, the transmission is disabled in the 5600-5650MHz band.

GETTING STARTED

Power through simplicity. Designed to make it easy to stay connected, ROSsm brings it all together – from Internet TV & RadioTime radio, viewing pictures and video, playing personal music, to sharing your digital stuff with your friends and family. ROSsm brings peace of mind as well, allowing you access to your media, files, home monitoring features, and wireless camera feeds from any PC connected to the Internet using the same security most banks use.

Set up your Home Center. The brains of your ROSsm services, the Home Center, is a router, manages your voice and media services, and contains a hard drive to store your files. Your Home Center connects all of your devices to your home network and the Internet. For more about installing your hardware, see the installation posters that came with your equipment.



Set up home monitoring netcam. The ROSsm service is compatible with the Axis 207 W network cameras (netcams), and the list continues to grow. See the install sheet that came with your equipment.



Setup voice service for phone and PC application. Your ROSsm comes with a robust, fully featured voice service. See the phone installation sheet that came with your equipment and page 14 for information on setting up the X-Lite PC voice application.



Setup your Wireless network. The Home Center provides Wi-Fi access to the Internet for your computers and other network enabled devices. See the Reference Sheet that came with your service equipment for your Wi-Fi network name and password.



Install your TV Extender. Your TV Extender, is a fully featured high definition media delivery system allowing you to access Video on Demand movies, YouTube videos, RadioTime Internet radio, your personal media, and more from your TV. See the installation posters that came with your equipment.

Install the Sharing Manager. Your ROSsm service includes a Windows PC application, Sharing Manager, so you can easily integrate your personal media (movies, music, and photos) with your ROSsm service. See page 10 for Sharing Manager installation and setup information.



Important: Install your equipment in a clean, well-ventilated, indoor environment. Do not install your equipment in your attic or garage unless they are fully air conditioned. We strongly recommend that you use a surge protector with your service equipment.

HOME CENTER DESCRIPTION

What is the Home Center? The brains of your ROSsm services, the ROSsm Home Center, or Home Center, is a router, manages your voice and media services, and contains a hard drive to store your files. Your Home Center connects all of your devices to your home network and the Internet, both wirelessly and using Ethernet cabling, delivering your ROSsm services and home media to all connected and enabled computers and devices.

RESET

Press for 5 seconds to restart and 20 seconds to reset to factory settings.

INTERNET port
Plug in Internet connection from service (modem).

PRESS TO CONNECT

Press to connect your Home Center via wireless protected setup (WPS) to the TV Extender or other WPS enabled devices.



Power port
Plug the included AC power cord into an outlet.

USB port
Connect a supported USB device. For a list of supported devices, see the customer portal.

ETHERNET ports
Plug your network enabled computers and devices into any port 1 through 4. Port 4 supports Gigabit Ethernet.

eSATA
Connect an eSATA hard drive for external storage.

HOME CENTER LED DESCRIPTION

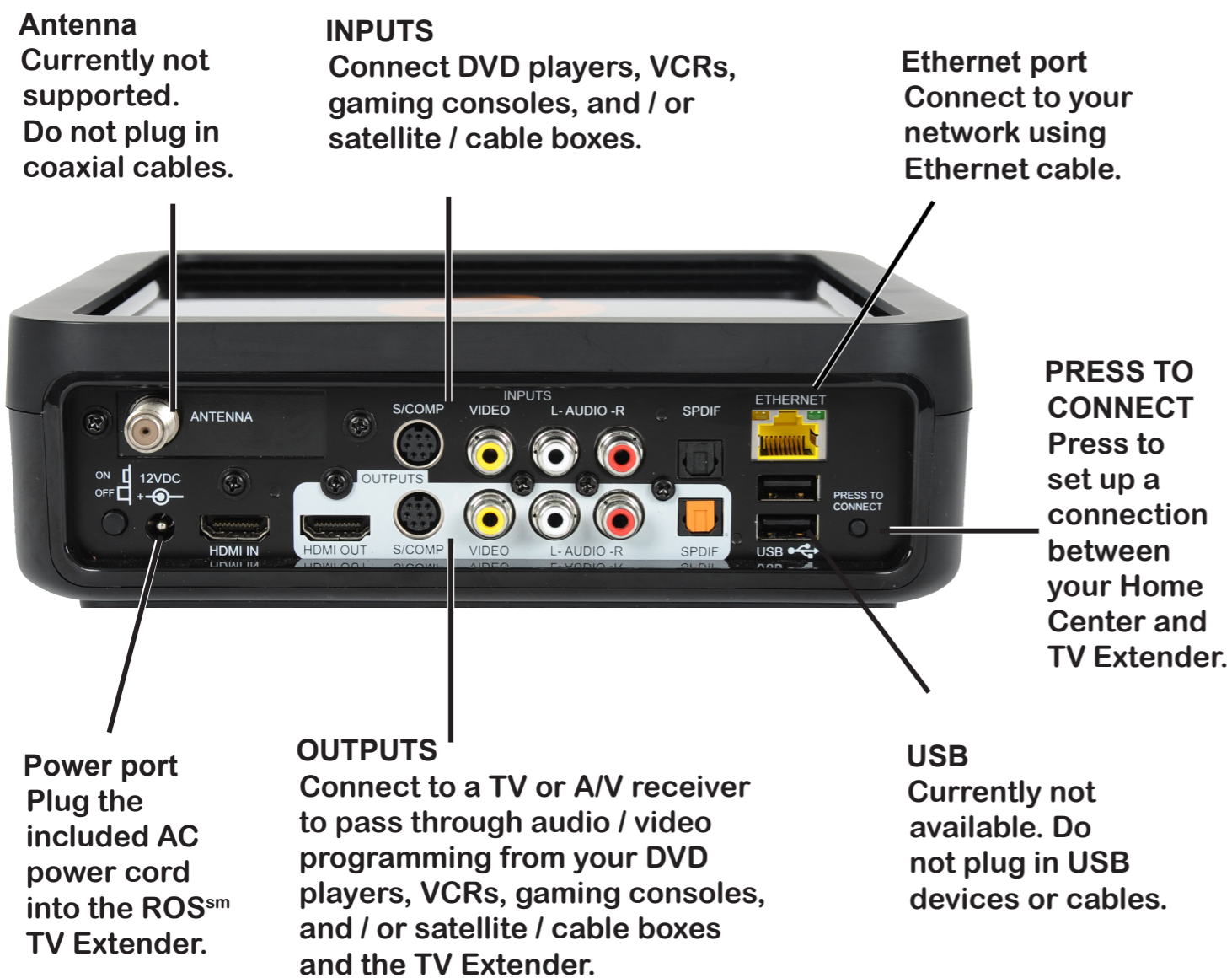


The Home Center and TV Extender have status indication lights to let you know at a glance the status of your service during set up, activation, and usage.

LED Color	Description
Red (solid)	When first powered on, the LED is red during startup. If the LED is red after activation, check your Ethernet cabling.
Red (flashing)	Indicates there is no Internet connection.
Amber (flashing)	Indicates that the Home Center is attempting activation.
Amber (solid)	Indicates service activation failed or that the Press to Connect button was pressed.
Green (flashing)	Indicates the Home Center is activating.
Green (solid)	Indicates the Home Center is activated and operational.

TV EXTENDER DESCRIPTION

What is the TV Extender? The ROSsm Digital Media Adapter, or TV Extender, is a fully featured high definition media delivery system providing the TV interface for all ROSsm services and features. Designed to be video set top box (STB) independent, the ROSsm service displays on your TV on top of your current cable or satellite programming. The TV Extender supports HDMI and analog video inputs including a wide range of High Definition video resolutions: 480, 720, and 1080.



TV EXTENDER LED DESCRIPTION



The Home Center and TV Extender have status indication lights to let you know at a glance the status of your service during set up, activation, and usage. Note that the TV Extender lights flash when you press the remote buttons.

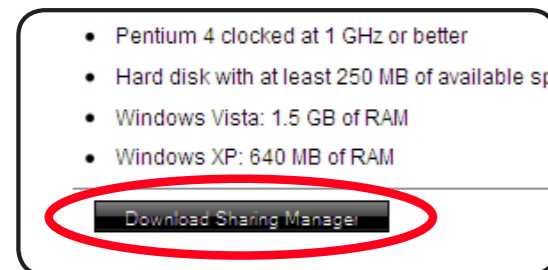
LED Color	Description
Red (solid)	The TV Extender LED is red during start up; if it remains red, there is a service connectivity issue.
Amber (flashing)	TV Extender is connected to the Home Center, but there is a service problem.
Amber (solid)	Attempting Wi-Fi Protected Setup (WPS).
Green (flashing)	TV Extender is connecting to the Home Center.
Green (solid)	TV Extender is connected to the Home Center and service is available.
Green (quick flashing)	Ready to press Press to Connect button on TV Extender and Home Center to connect for service.

INSTALL SHARING MANAGER

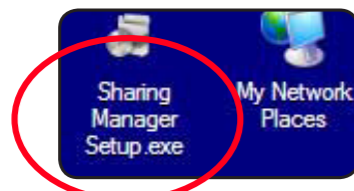
To take advantage of your Home Center media features including playing your music and viewing photos from your TV, you must first install the Sharing Manager application on your PC. The Sharing Manager automatically adds media to your Home Center so you can access media from anywhere in and out of your home using your TV Extender, PC, or other compatible device. Complete the following to install the Sharing Manager on your PC:



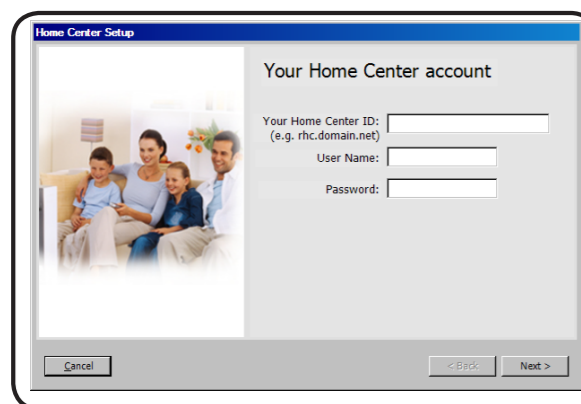
SHM Figure 1: ROSsm Login



SHM Figure 2: Sharing Manager download.



SHM Figure 3: Installer

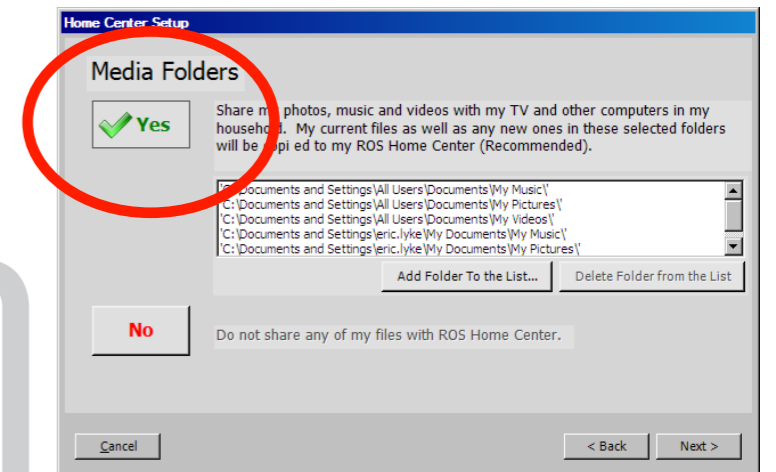


SHM Figure 4: Installation

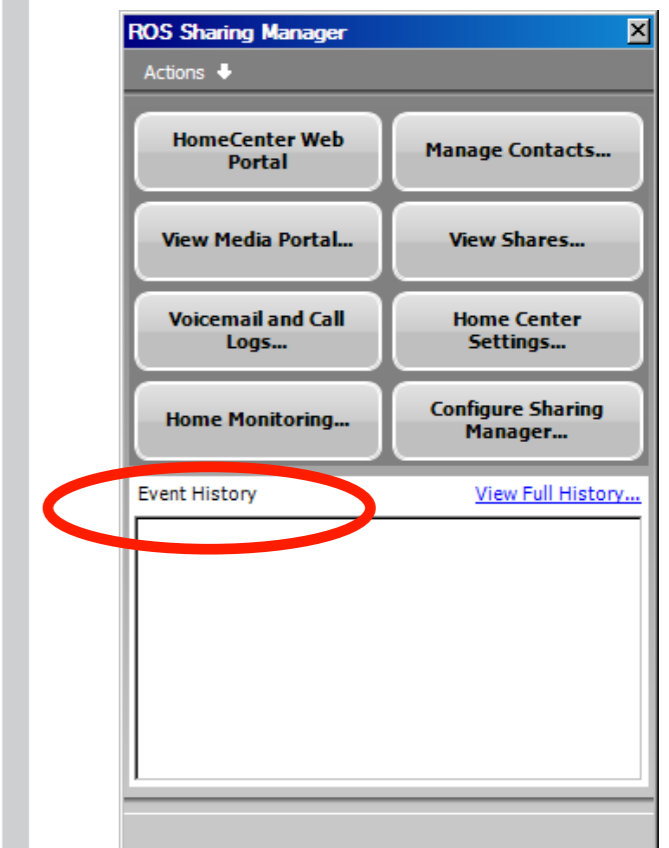
- 1 From your computer and connected directly to your ROSsm home network or LAN (not logged remotely), open an Internet browser and log into the Home Center web interface at <http://yourname.yourservice.com> (SHM Figure 1).
- 2 In **Settings > Applications**, click the **Download Sharing Manager Application** link at the bottom left corner of the page (SHM Figure 2).
- 3 In the **File Download - Security Warning** dialog box, click **Save**.
- 4 In the **Save As** window, browse to Desktop and click **Save**. The **Download Complete** dialog box displays.
- 5 Click **Close**. The Sharing Manager installer icon is now on your desktop (SHM Figure 3).
- 6 Run the Sharing Manager setup wizard by double-clicking the **SharingManagerSetup.exe** icon. If you receive a security warning dialog box, click **Run**. The **Sharing Manager** setup wizard opens (SHM Figure 4).
- 7 Enter your Home Center ID listed on your Welcome Letter in the following format **yourname.yourservice.com** with **admin** and **ros** for your user name and password.

- 8 Select the folders you'd like the Sharing Manager to watch. Whenever you place media files that the Sharing Manager recognizes in these folders, it will automatically add them to the Home Center so that you can access them from your TV using a TV Extender or with other supported devices. Note that if you delete media from your computer it will also be deleted from the Home Center.
- 9 Once you've completed the wizard and you are logged in, the ROSsm Sharing Manager will open (SHM Figure 6). You can see your media files copied to the Home Center in the Event History field as it happens. You can access other features of the Home Center using the buttons in the Sharing Manager window.

NOTE: Depending on how many files you have, it may take several minutes for the files to be copied to your Home Center.

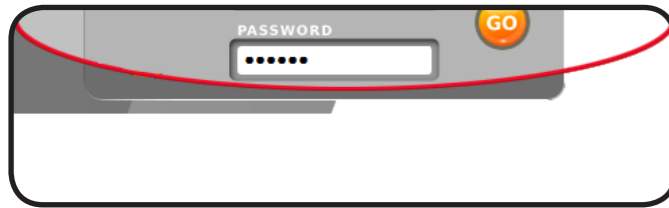


SHM Figure 5: Select your watched folders



SHM Figure 6: Log into the Sharing Manager

IMPORTANT: By default your wireless is enabled to 802.11 b/g, WPA-2 - AES+TKIP. Your Wi-Fi network name is the last 6 digits of your MAC address and the key is the serial number of your Home Center. See the Reference Card for more information on your default settings.



Wi-Fi Figure 1: ROSsm Login

NOTE: Only change your default wireless information if you know what you are doing or are instructed by technical support as any changes to your network may affect your service.

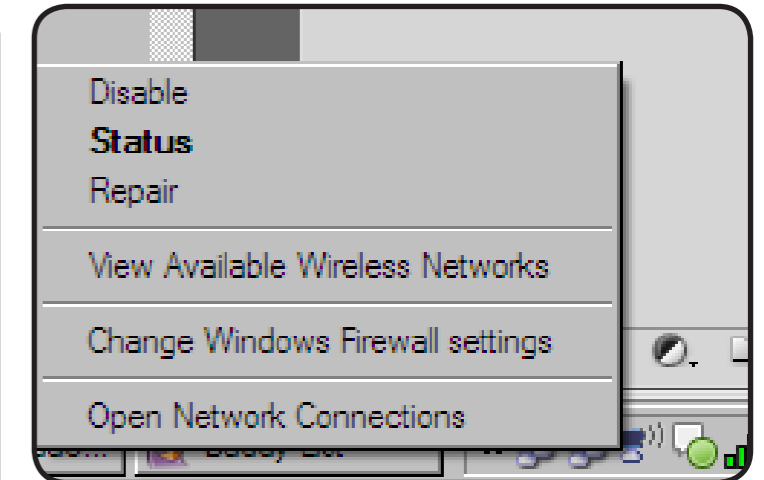
- 1 On your computer, log into the ROSsm (Wi-Fi Figure 1) and select **SETTINGS > NETWORK > WIRELESS**
- 2 Check the **Enable Wireless Connection** check box (Wi-Fi Figure 2).
- 3 In the **Enter Wireless Network Name (SSID)** field, enter a wireless network name. Use a simple name containing no personal information or special characters, for example, "BILL" (Wi-Fi Figure 2).
- 4 If you have a current security setting such as WEP, WPA PSK, or WPA2 PSK, select it. Otherwise, select a security mode from the **Select a Security Mode** drop-down list (Wi-Fi Figure 2).
- 5 Enter a password containing at least nine characters and at least one number, for example "sparekey1". Use a password that is easy to remember, but not easily guessed by others (Wi-Fi Figure 2).
- 6 Click **Save**. The ROSsm wireless service is enabled (Wi-Fi Figure 3).

TIP: If you already have a wireless network, use your current network name and security setting (WPA or WEP) and the same password for an easier transition to ROSsm routing services.

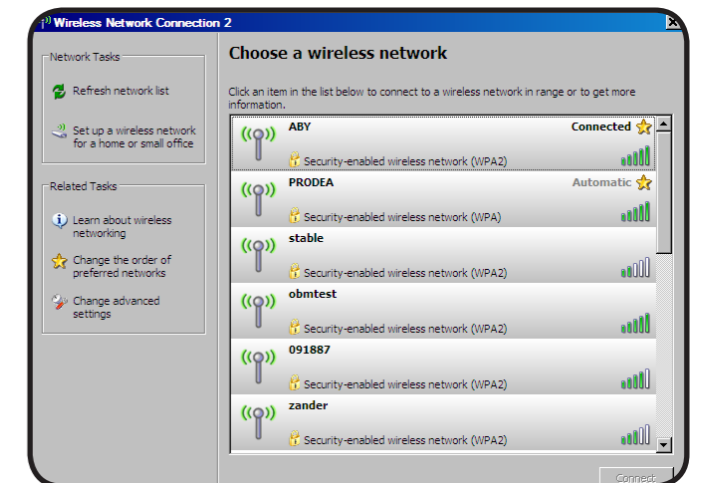
Your wireless (Wi-Fi) network is already configured. Complete the following to connect to your new wireless (Wi-Fi) network.

NOTE: Only make changes if instructed while activating your ROSsm service or by your service provider.

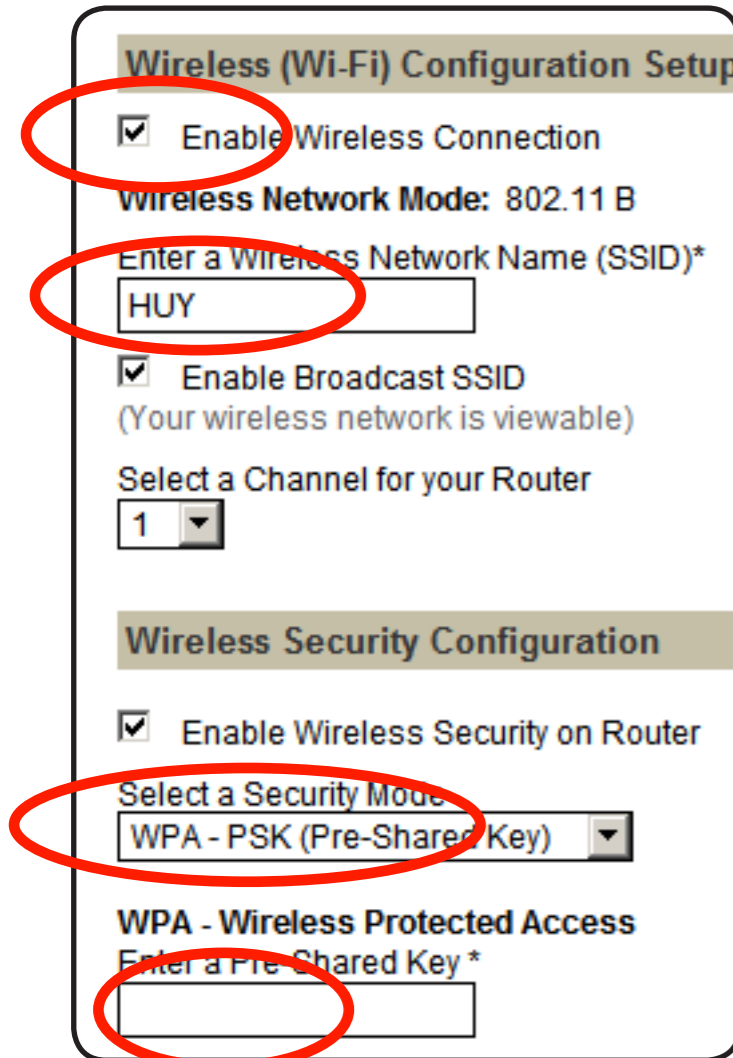
- 1 On your PC, right-click the wireless icon in your system tray (Wi-Fi figure 1) and select **View Available Networks**.
- 2 Select the wireless network listed on your Reference Card (Wi-Fi figure 2).
- 3 Enter the password listed on your reference card. You are now connected to the Home Center wireless network.



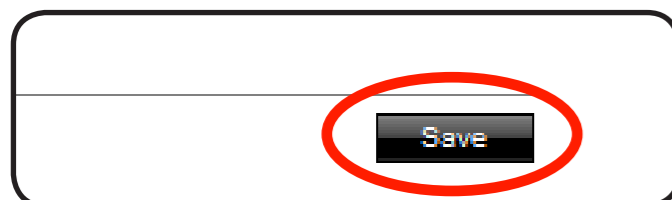
Wi-Fi figure 1



Wi-Fi figure 2



Wi-Fi Figure 2: Wireless Settings Fields



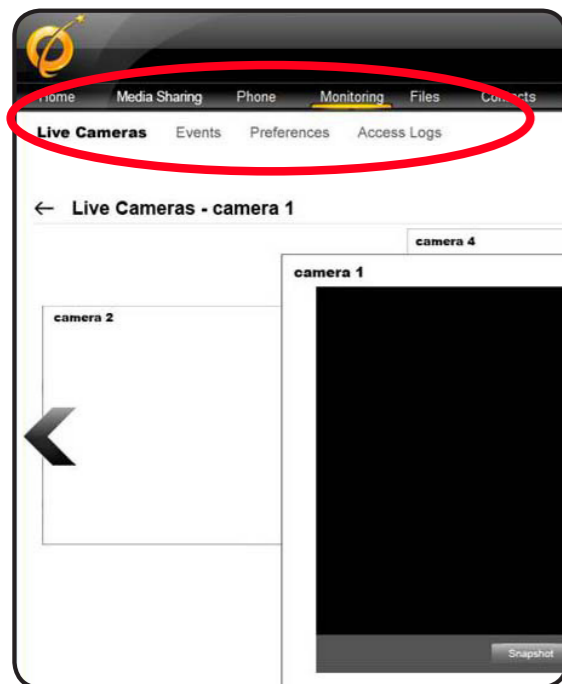
Wi-Fi Figure 3: Click Save

CONFIGURE HOME MONITORING

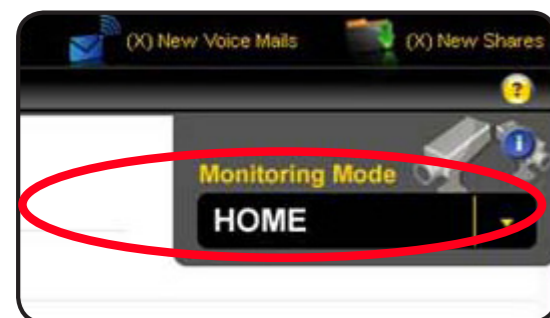
With the Home Monitoring feature, you can view live netcams of your home and property from any location with Internet access. You can securely monitor your cameras while watching TV, while at work, or from an Internet café using your PC or your mobile phone. You can also schedule notifications and video or still shots to be sent to your phone or email account.



HM Figure 1: ROSsm Login



HM Figure 2: Set your monitoring mode.



HM Figure 3: Select Monitoring Mode

NOTE: You must be a Home Monitoring subscriber to use this feature and have netcam(s) setup and configured.

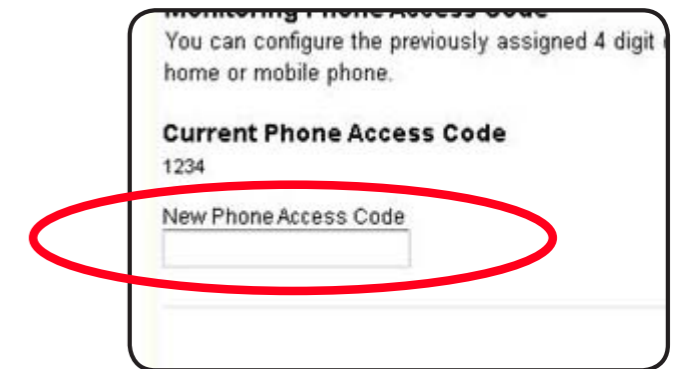
In order to activate and change your home monitoring notification settings including phone numbers and email accounts to receive video and still images, complete the following:

- 1 Log into the Home Center and click Monitoring > Settings. (HM Figure 1).
- 2 In the System tab, set your Home Monitoring Mode, either Away or Home and select the cameras to be monitored under each mode, and then click Save. (HM Figure 3).
- 3 In the Passcode tab, set your 4 digit numeric passcode and click Save (HM Figure 4).
- 4 In the Phone Access tab, click **Phone/SMS/MMS** and enter your phone information and notification settings.
- 5 Click Email and enter in the email account to receive notifications.
- 6 Click **Save**.

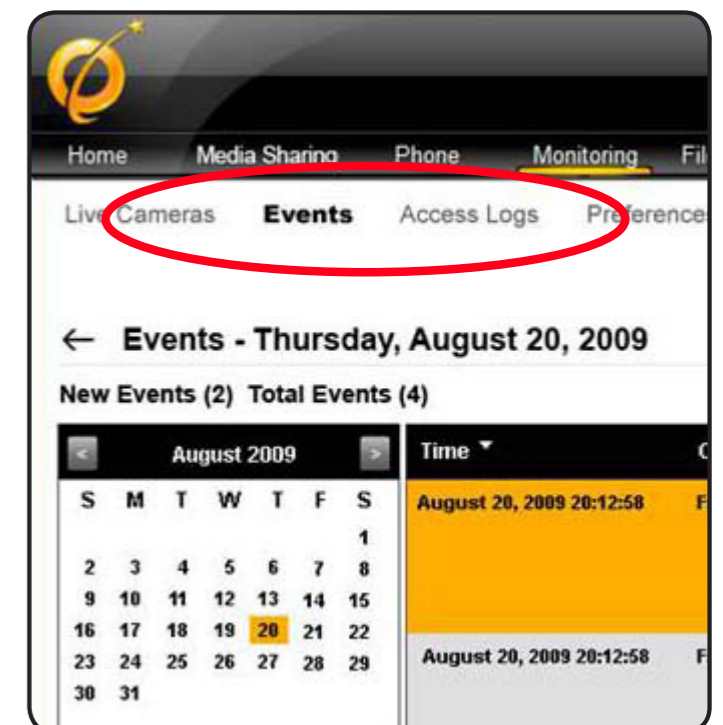
7 To view Home Monitoring events, log into the Home Center and click Monitoring > Events.

8 In Events, you can scroll to view activity, used the calendar to select a day, or enter a search term to find a specific event (HM Figure 5).

NOTE: In order to view Home Monitoring events on your phone, your phone must have a web browser and an Internet connection.



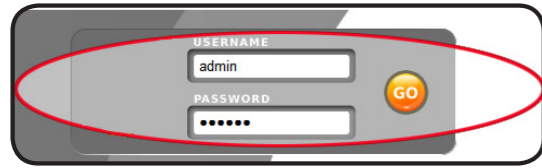
HM Figure 4: Set your passcode



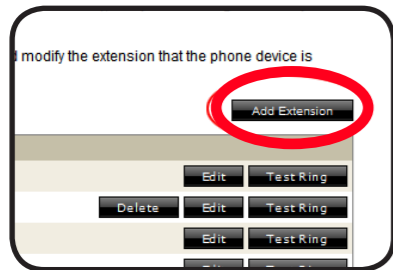
HM Figure 5: View Events

SET UP X-LITE SOFT PHONE

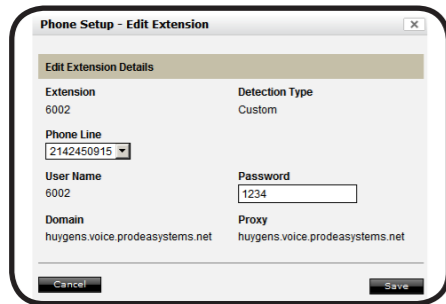
Use your voice services from your PC, whether in your home or on the road. All you need is a computer with an Internet connection and a microphone and speaker or headset.



Softphone Figure 1: ROSsm Login



Softphone Figure 2: Add Extension



Softphone Figure 3: Edit Extension

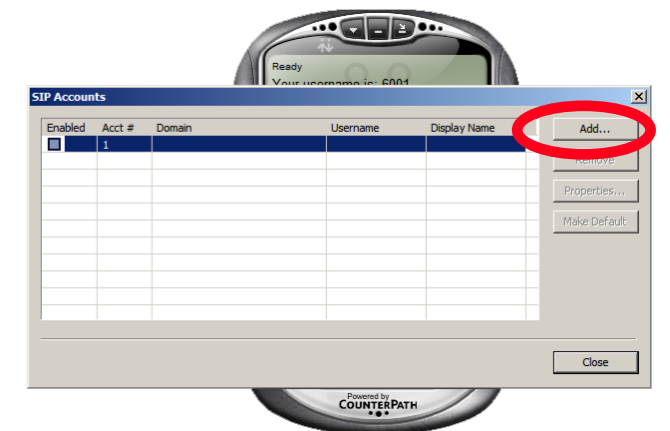


Softphone Figure 4: Configure X-Lite

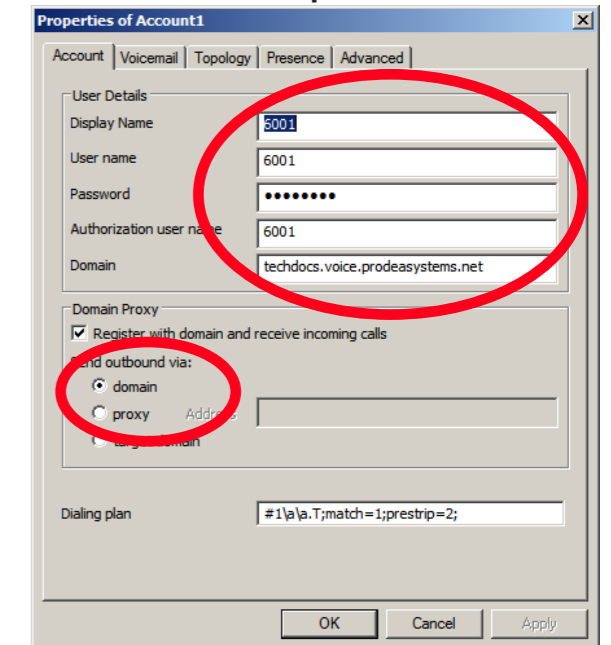
Your ROSsm service must be activated and your computer connected to your home Home Center network to complete the following configuration.

- 1 On your PC, download the X-Lite client from http://www.counterpath.com/xlite_download.html for Windows, accepting all the defaults, and install on your PC. The application window appears.
- 2 Log into the Home Center web interface with your user name and password (Softphone Figure 1).
- 3 In the top navigation bar, click **Settings > Voice Service**, click **Phone Lines**
- 4 Click **Add Extension**. (Softphone Figure 2) The Phone Setup-Add Extension window appears (Softphone Figure 3).
- 5 Note the extension number, the domain, and the password listed. You will need to enter this information into the X-Lite soft phone settings.

- 6 Right click on the X-Lite softphone and select **SIP Account Settings** (Softphone Figure 4) and click **Add...** (Softphone Figure 5).
- 7 Enter the following: 1) extension number in the **Display name**, **User name**, and **Authorization user name** fields, for example **6002**; 2) the automatically generated password listed on the Home Center web page in the **Password** field; 3) domain in the **Domain** field, for example **yourname.voice.yourservice.com**; 4) under **Domain Proxy**, select **domain** (Softphone Figure 6).
- 9 Click **Apply** then **OK**. Click Close in the **SIP Accounts** window. Your extension number and “Ready” displays on the X-Lite application when setup is complete (Softphone Figure 7).



Softphone Figure 5: X-Lite Properties



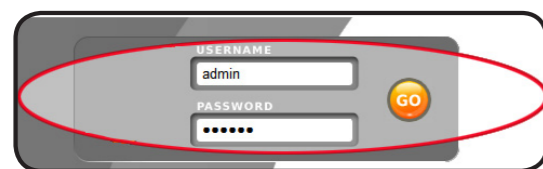
Softphone Figure 6: X-Lite Configuration



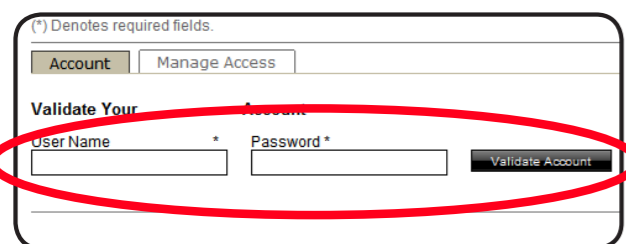
Softphone Figure 7: X-Lite Softphone

CONFIGURE MEDIA SERVICES

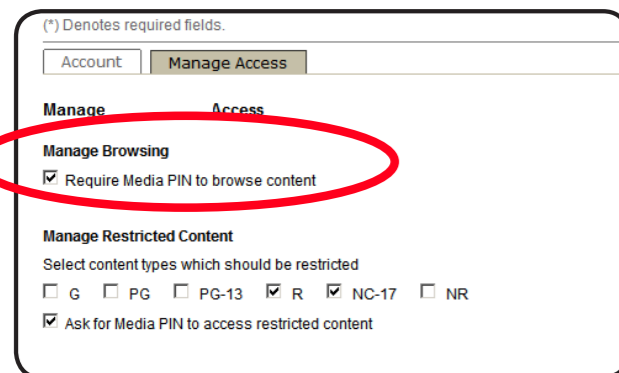
You can access RadioTime and YouTube without entering account information, but to see your favorites and saved channels, you will need to enter your account information. Once your account is created, complete the following procedure to validate and save your account information (user name and password) on the Home Center.



Media Figure 1: ROSsm Login



Media Figure 2: Media Account



Media Figure 3: Media Pin

NOTE: If you change your user name and password on the services web site, you must make account changes on the Home Center as well.

- 1 On your PC, log into the Home Center (Media Figure 1).
- 2 Select a media service.
- 3 Enter your service user name and password and click **SAVE**. The account information is validated. If the user name and password entered on the Home Center do not match those that on the service's web site, an error message displays. Re-enter the user name and password and click Validate Account again.
- 4 Follow the same procedure for each media service as needed. Note that if you log into any of your services web sites and change your user name or password, you must re-enter this information on the Home Center.
- 5 By default the media access pin to restrict content is disabled. To enable the media access PIN, select the **Manage Access** tab and check the **Require Media PIN to browse content** check box (Media Figure 3).
- 6 To change the 4 digit media pin used to control access to media services, click **Media Pin** and enter four numbers.
- 7 Click **Save** (Media Figure 4).

CONFIGURE TV Extender REMOTE WITH CODES

Your ROSsm TV Extender remote is automatically programmed to operate the TV Extender. You can program this remote to operate up to three additional devices like a DVD player, cable or satellite receiver, or television. This procedure describes how to program the remote control by entering a specific code for your device. The following steps describe how to program the remote for a TV, using the TV button. For other devices such as a cable or satellite receiver or DVD player, follow the same steps, but use the STB or AUX button instead of the TV button.

- 1 Refer to the Remote Control Codes starting in the back of this document and find your TV or device code (for newer televisions, start at the end of the list of codes for your brand and work backwards). If more than one code is available, use the first 4-digit code listed. If your device is newer, use the last code listed and work backward through the list.
- 2 Turn on your TV or device that you want to use with the TV Extender remote. For this procedure, we will use TV as an example but this same process will work with any supported device.
- 3 On the remote, press and hold the **TV** button and the **OK** button (Remote Figure 1).
- 4 Release both buttons. All four **MODE** buttons (**ROSsm**, **AUX**, **TV**, and **STB**) blink twice
- 5 Enter the 4-digit code for your TV. The **TV** button blinks three times (Remote Figure 2).
- 6 To make sure that this is the correct code, point the remote at your TV and press the **Power** button. If the TV turns off, you have successfully programmed the remote. If the TV does not turn off, repeat this procedure using the next code listed for your TV. If you can turn the TV on and off, but some of the remote buttons do not operate the TV as you would expect, try using the next code listed for your TV.

NOTE: For more information about your remote, see the back of this Install Guide.



Remote Figure 1: Select the device and OK buttons



Remote Figure 2: Code Entry

To reset your remote:

Press and hold the ROSsm key. While holding down the ROSsm key, press OK. Release both keys. The device keys blink twice. Press 9 - 0 - 0. The ROSsm key blinks three times to indicate that the reset was successful.

You can program this remote to operate up to three additional devices such as a DVD player, cable or satellite receiver, or television. This procedure describes how to program the remote control by searching through all of the stored codes for your device's code.

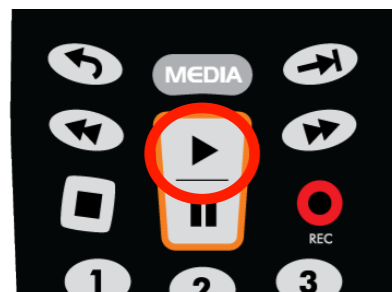
Complete the following process to change the default remote control settings for volume, channel, and / or power functions so that these functions will always be controlled by specific devices.



Remote Figure 3: Press the device and OK buttons



Remote Figure 4: Enter 9-2-2



Remote Figure 5: Press and hold Play

- 1 Turn on your **TV** or device. For this procedure, we will use TV as an example but this process works with any supported device. Follow the same steps, but use the **STB** or **AUX** button instead of the **TV** button.
- 2 On the remote, press and hold the **TV** button and the **OK** button (Remote Figure 3).
- 3 Release both buttons. All four **MODE** buttons (**ROSsm**, **AUX**, **TV**, and **STB**) blink twice.
- 4 Enter the numbers 9-2-2 (Remote Figure 4).
- 5 Point the remote at the TV.
- 6 Press and hold the **PLAY** button. The device button lights up every time a new code is tried. The TV or device turns off when you have found the right code. The remote tries the most common codes first. If the TV or device goes off but you didn't release the **Play** button fast enough to catch the code, press **Rewind** to go back to the previous code. When you have tried all the codes stored in the remote, the entire remote flashes twice and returns to normal operation. You can exit the program at any time by pressing **EXIT**.

- 1 Using your **ROSsm** remote control, press and hold the **ROSsm** and **OK** buttons.
- 2 Release both the **ROSsm** and **OK** buttons. The buttons blink twice.
- 3 Enter the setup code for the function reassignment (see below). The **ROSsm** button blinks twice.
 - Volume reassignment code: **9 – 5 – 5**. By default the volume control passes through to your television, so when you press the volume button the volume is lowered at your television. Use this assignment code to configure another device to control the volume.
 - Channel reassignment code: **9 – 6 – 6**. By default the channel control is passed through to the television. Use this assignment code to configure another device to control the channels.
 - Power reassignment code: **9 – 7 – 7**. You can set the **Power** button to turn on and off one or more devices simultaneously.
- 4 Press the device button (**ROSsm**, **TV**, **STB** and **AUX**) that you want to control the function.

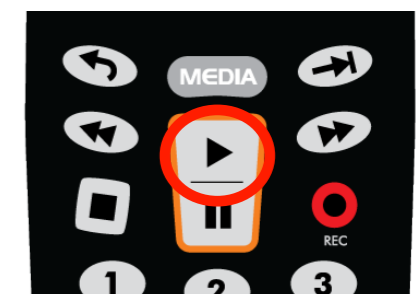
NOTE: To reset your remote to factory settings, press and hold the **ROSsm** key. While holding it down, press **OK**. Release both keys. The device keys blink twice. Press 9 - 0 - 0. The **ROSsm** key blinks three times to indicate that the reset was successful.



Remote Figure 3: Press the device and OK buttons



Remote Figure 4: Enter 9-2-2



Remote Figure 5: Click Play

Question	Answer
I am trying to activate the Home Center, but the WAN page appears. What do I need to do?	<p>The WAN page appears when the Home Center cannot automatically connect to the Internet. This can happen for any of the following reasons:</p> <ul style="list-style-type: none"> Your broadband modem is not connected to the Internet or the Home Center is not connected to your modem. Check the connection status on your modem. Check the connection between the Home Center and the modem and verify that the Ethernet cable is plugged in securely. You need to configure PPPoE or a static IP address. You have another router in your network. Remove the router and try the activation procedure again. You need to enable MAC cloning. Your IP address is automatically assigned through DHCP, but DHCP is not working correctly.
The WAN page appears, and I need to configure a static IP. What do I need to do?	<ol style="list-style-type: none"> On the WAN page, select Static IP from the Internet Connection Type drop-down list box. Enter the information provided by your ISP, and click Save. Verify the IP address information. If the IP Address is blank, click Refresh.
The WAN page appears, and I need to configure PPPoE. What do I need to do?	<p>The WAN page appears when the Home Center cannot automatically connect to your service.</p> <ol style="list-style-type: none"> On the WAN page, select PPPoE from the Internet Connection Type drop-down list box. Enter the user name and password provided by your ISP, and click Save. Check the IP Address field. If an IP Address appears, wait for the Web browser page to update. If the IP Address is blank, click Reset.
The TV Extender LED changes to solid red and/or error information is displayed on the TV screen. What do I need to do?	<p>There are several scenarios that you can check for or remedy:</p> <ul style="list-style-type: none"> The WPS process may have timed out before both Press to Connect (WPS) buttons were pressed. Once you press the WPS button on the TV Extender, you have two minutes to press the WPS button on the Home Center. The wireless signal between the TV Extender and Home Center may be too weak for wireless communications. Try moving the TV Extender and Home Center to allow more reliable communications, or use a wired technology such as Ethernet or HomePlug adapters. To try wireless setup again, or to connect through Ethernet or HomePlug adapters, restart the TV Extender by pressing the ON/OFF button on the back.

Question	Answer
The LED on the front of the Home Center is off. What do I need to check?	On the Home Center, verify that all of the cables are plugged in securely. Make sure that the power adapter is plugged into a working electrical outlet. When the Home Center is plugged in, the LED quickly flashes several colors and then changes to solid red. This indicates that the Home Center is starting up.
I entered the activation code or PIN, but the message INVALID ACTIVATION CODE or ACTIVATION CODE or PIN ERROR appears. What do I do?	Verify the information you received from your service provider and enter the activation code again. If you know you are using the correct activation code, then login to the web portal to verify your account status.
The WAN page indicates that I need to remove my current router or to set my current router to bridge mode. What do I need to do?	If you have a modem-router combination, you must turn on bridge mode before installing the Home Center. This makes the modem-router function as a modem only, so that the Home Center can perform all router functions. For information about turning on bridge mode, review the documentation provided with your router.
All of my devices display as unusable in the Device list (Settings > Network and Devices > Devices). What do I do?	If a device is not working then delete the device from the list and power it down (unplug and plug it back in). Then perform any necessary configuration steps. Or delete all of the devices from the Device list and then power down the Home Center and power it back up (unplug and plug it back in). A device that has been disconnected may still display in the Device list, but there is nothing that you need to do.
I can see a device in the Settings > Network and Devices > Devices list but it has a "No" under "Usable" and it isn't working. What do I do?	Delete the device from the list and power it down (unplug and plug it back in). Then perform any necessary configuration steps.
My Wi-Fi enabled device cannot connect to the network.	<p>Check the following:</p> <ul style="list-style-type: none"> A 2.4 GHz device such as a phone or microwave may be interfering with your Internet enabled device. Wi-Fi settings may not be supported Environmental interference
Slow Internet connection	Your new service requires Internet bandwidth for many of its features. If there is heavy service usage, from movie downloads, etc. and if you have a low broadband speed connection (<1MB), your Internet may be slowed. You can wait until bandwidth is available or request faster Internet service from your ISP.

NOTE: For more information on troubleshooting your Internet connection, see your Internet service provider documentation.

Question	Answer
I plugged in all of my devices but I don't see any in the Device list.	Reboot the Home Center by powering it down and powering it back up.
My device shows up in the Settings > Network and Device > Devices list but has a "No" in the "Usable" column. The LED on my Home Center is green.	If in the Settings > Network and Device > Devices list your device does not display or "No" is listed in the "Usable" column; or you did not receive a test ring (for voice services). Power down the device. Delete it from the Devices list in the list. Power up the device. The device should show up in the Device list with a "Yes" in the "Usable" column.
Wi-Fi Protected Setup (WPS) is not working. What can I check?	To use WPS, your wireless network security mode must be set to WPA or WPA2. WPS does not work if your wireless security mode is WEP.
My voice calls experience a lot of interference.	If the sound on your phone receives a lot of interference. If you have a cordless phone, try changing your phone's channel to regain service.
I did not receive a test ring.	If you have a 2.4 GHz phone, it is possible that the Home Center Wi-Fi will interfere with the phone service. In this case, try changing your phone's channel to regain service.
I plugged in all of my devices but I don't see any in the Device list.	Reboot the Home Center by powering it down and powering it back up.

Question	Answer
My device shows up in the Settings > Network and Device > Devices list but has a "No" in the "Usable" column. The LED on my Home Center is green.	Disconnect the device from the Home Center and delete the device from the device list. Then reconnect the device to the Home Center.
My voice calls experience a lot of interference.	If the sound on your phone receives a lot of interference, try the following. <ul style="list-style-type: none"> • Check the connections on your equipment. • If you have a cordless phone, try changing your phone's channel to regain service. • Stay away from anything that may be causing interference, such as a microwave oven.
Voice quality poor	Try walking closer to the basestation or make sure there is no environmental interference. If the issue persists, try recalling the number. If applicable, try changing your phone's channel.

REMOTE CODES

For newer televisions, start at the end of the list of codes for your brand and work backwards. Additional codes for all supported devices are listed in the online help.

TV Remote Codes

If you have an older or less common TV not listed here, try the general TV code 2363.

Admiral.....	2010, 2022, 2119, 2145
Advent.....	2045, 2051, 2058, 2059, 2067
Aiwa.....	2300
Akai.....	2002, 2007, 2030, 2037, 2055, 2120, 2289, 2323, 2351, 2352, 2363, 2364
Apex.....	2159, 2230, 2296
Apex Digital.....	2014, 2043, 2046, 2048, 2082, 2290
Audiovox.....	2009, 2018, 2021, 2027, 2053, 2081, 2130
Bell & Howell.....	2013, 2119, 2133
Centurion.....	2125, 2363
Citizen.....	2002, 2007, 2009, 2017, 2123, 2124, 2127, 2130, 2140, 2143, 2307
Colortyme.....	2017, 2123
Crosley.....	2006
Curtis Mathes.....	2002, 2003, 2006, 2007, 2010, 2011, 2013, 2015, 2017, 2021, 2023, 2037, 2096, 2106, 2118, 2123, 2133, 2140, 2143
Daewoo.....	2009, 2021, 2027, 2029, 2030, 2114, 2122, 2123, 2127, 2143, 2197, 2214, 2263, 2307, 2363
Denon.....	2011, 2090
Emerson.....	2013, 2016, 2017, 2018, 2019, 2022, 2027, 2123, 2126, 2128, 2129, 2130, 2131, 2133, 2143, 2149, 2293, 2307, 2308, 2322, 2363
Epson.....	2062, 2066, 2255
Fisher.....	2013, 2132, 2133
Fujitsu.....	2032, 2054, 2073, 2131, 2269, 2270, 2272
Funai.....	2016, 2018, 2130, 2131, 2303
Gateway.....	2116, 2117
GE.....	2003, 2004, 2017, 2021, 2096, 2106, 2109, 2118, 2121, 2123, 2134, 2135, 2155, 2305, 2312, 2326
Goldstar.....	2002, 2017, 2122, 2123, 2126, 2143, 2144, 2306, 2363
Haier.....	2090
Harley Davidson.....	2303
Harman/Kardon.....	2006
Hello Kitty.....	2021
Hewlett Packard.....	2357
Hitachi.....	2011, 2017, 2123, 2126, 2157, 2162, 2287, 2303, 2363
Hyundai.....	2071
Infinity.....	2006, 2136
InFocus.....	2237, 2358, 2359
Insignia.....	2016
JBL.....	2006, 2136
JC Penney.....	2017, 2118, 2122, 2123, 2124, 2134, 2135, 2140, 2143, 2144
Jensen.....	2017, 2045, 2058, 2059, 2123
JVC.....	2005, 2042, 2102, 2126, 2135, 2137, 2186, 2210, 2211, 2215, 2246, 2281, 2282
Kenwood.....	2002, 2017, 2123

KLH.....	2046, 2048
LG.....	2017, 2036, 2075, 2099, 2105, 2122, 2256, 2363
LXI.....	2003, 2006, 2013, 2014, 2017, 2118, 2123, 2133, 2136
Magnavox.....	2002, 2006, 2017, 2039, 2053, 2103, 2110, 2123, 2124, 2136, 2164, 2172, 2212, 2216, 2303, 2322
Marantz.....	2002, 2006, 2038, 2074, 2097, 2123, 2136, 2363
Matsui.....	2363, 2364
Matsushita.....	2020, 2028
Maxent.....	2116
Memorex.....	2012, 2013, 2017, 2022, 2119, 2122, 2123, 2133, 2220, 2219, 2302, 2306
MGA.....	2002, 2012, 2017, 2122, 2123, 2305
Mitsubishi.....	2010, 2012, 2017, 2064, 2080, 2101, 2122, 2123, 2191, 2205, 2222, 2224, 2277, 2283, 2326, 2363
Montgomery Ward.....	2119
Motorola.....	2010, 2121, 2145
NEC.....	2002, 2017, 2025, 2083, 2115, 2121, 2122, 2123
Nikko.....	2002, 2009, 2017, 2123, 2127
Optimus.....	2013, 2015, 2020, 2028, 2147, 2302
Orion.....	2019, 2022, 2111, 2129, 2149, 2204, 2308, 2363
Panasonic.....	2004, 2020, 2028, 2108, 2121, 2135, 2136, 2154, 2156, 2166, 2173, 2177, 2179, 2181, 2184, 2195, 2200, 2206, 2218, 2223, 2225, 2226, 2235, 2242, 2245, 2259, 2262, 2284, 2292, 2297, 2299, 2302, 2313, 2319, 2320, 2321, 2327, 2363
Penney.....	2002, 2003, 2004, 2007, 2014, 2017, 2106, 2305, 2306
Philco.....	2002, 2006, 2121, 2122, 2123, 2124, 2126, 2136, 2220, 2363
Philips.....	2006, 2035, 2097, 2110, 2121, 2124, 2126, 2136, 2158, 2161, 2176, 2183, 2187, 2199, 2209, 2227, 2231, 2316, 2339, 2362, 2363, 2364, 2365
Philips Magnavox.....	2158, 2164, 2183, 2187, 2209, 2339
Pioneer.....	2015, 2031, 2079, 2123, 2147, 2221, 2228, 2267, 2273, 2286, 2363
Polaroid.....	2046, 2078, 2251, 2366
Pulsar.....	2001, 2017, 2142
Quasar.....	2004, 2020, 2028, 2121, 2135, 2302, 2313
RadioShack.....	2002, 2003, 2013, 2017, 2018, 2133, 2303, 2363
RadioShack/Realistic.....	2017, 2118, 2123, 2126, 2130, 2133, 2139, 2143, 2144
Radiola.....	2362, 2363, 2364, 2365
RCA.....	2003, 2008, 2017, 2031, 2091, 2096, 2100, 2106, 2109, 2112, 2118, 2121, 2122, 2123, 2152, 2163, 2198, 2202, 2232, 2237, 2288, 2291, 2305, 2315, 2317, 2326
Realistic.....	2002, 2013, 2017, 2018, 2133
Runco.....	001, 2002, 2025, 2026, 2142
Sampo.....	2002, 2017, 2116, 2123, 2143, 2144
Samsung.....	2002, 2007, 2017, 2037, 2047, 2055, 2057,

2092, 2122, 2123, 2126, 2140, 2143, 2144, 2174, 2208, 2240, 2241, 2247, 2248, 2258, 2266, 2279, 2309, 2363, 2364

Sansui.....
2022, 2149, 2165, 2204, 2289, 2303, 2308, 2363

Sanyo.....
2013, 2017, 2052, 2088, 2132, 2133, 2305

Scott.....
2017, 2018, 2019, 2123, 2126, 2129, 2130, 2131, 2354

Sears.....
2003, 2006, 2013, 2014, 2016, 2017, 2118, 2123, 2131, 2132, 2133, 2137, 2148, 2303, 2306

Sharp.....
2010, 2017, 2024, 2033, 2034, 2072, 2123, 2126, 2139, 2143, 2145, 2189, 2234, 2238, 2244, 2249, 2253, 2310, 2326

Sony.....
2000, 2063, 2094, 2120, 2167, 2185, 2193, 2217, 2229, 2236, 2239, 2254, 2260, 2261, 2265, 2285, 2303

Soundesign.....
2017, 2018, 2123, 2124, 2130, 2131

Sylvania.....
2002, 2006, 2016, 2017, 2123, 2124, 2136, 2160, 2209, 2213, 2219, 2250, 2271, 2293, 2298, 2301, 2314, 2322, 2325, 2333, 2339, 2340, 2341, 2349, 2350

Symphonic.....
2016, 2018, 2128, 2130, 2148, 2180, 2303

Tandy.....
2010, 2145

Tatung.....
2117, 2121, 2363

Technics.....
2004, 2020, 2135

Toshiba.....
2007, 2013, 2014, 2028, 2061, 2069, 2095, 2098, 2104, 2105, 2107, 2113, 2115, 2133, 2140, 2141, 2168, 2169, 2170, 2171, 2175, 2178, 2182, 2188, 2190, 2194, 2196, 2201, 2203, 2207, 2257, 2275, 2276, 2278, 2280, 2289, 2294, 2295, 2311, 2318, 2324

Viewsonic.....
2076, 2077, 2084, 2116, 2252, 2264, 2374

Vizio.....
2077, 2084, 2117, 2368, 2369, 2374

Wards.....
2002, 2006, 2017, 2079, 2098, 2118, 2119,

2122, 2123, 2128, 2131, 2134, 2136, 2139

Westinghouse.....
2000, 2021, 2084, 2087, 2374

White Westinghouse.....
2022, 2027, 2363

Yamaha.....
2002, 2017, 2049, 2062, 2065, 2122, 2123

Zenith.....
2001, 2009, 2017, 2022, 2105, 2119, 2142, 2151, 2153, 2192, 2233, 2268, 2274, 2303, 2308

Codes for Satellite and Cable Box

Alphastar.....
1027

Chaparral.....
1023

DIRECTV.....
1006, 1007, 1008, 1010, 1011, 1014, 1020, 1021, 1022, 1029, 1031, 1032, 1035, 1036, 1038, 1039, 1040, 1041, 1042, 1045, 1046, 1049, 1050, 1051, 1052, 1055, 1056, 1057, 1059, 1061, 1062, 1064, 1065

Dish Network.....
1002, 1003, 1004, 1005, 1009, 1012, 1034, 1037, 1054

Dishpro.....
1012, 1034, 1037

Echostar.....
1009, 1012, 1034, 1037, 1044, 1054

GE.....
1035, 1064

Hitachi.....
1038

Hughes.....
1006, 1007, 014, 1020, 1036, 1045, 1046, 1056

JVC.....
1009, 1034, 1037, 1054

LG.....
1019, 1032, 1063

Magnavox.....
1029

Memorex.....
1029

Mitsubishi.....
1036, 1046, 1072

Motorola.....
1013, 1030

Panasonic.....
1071

Philips.....
1006, 1007, 1014, 1029, 1036, 1038, 1052

Pioneer.....
1007

Primestar.....
1026

Proscan.....
1011, 1035, 1055, 1070

RadioShack.....
1030

RCA.....
1010, 1014, 1015, 1022, 1031, 1035, 1047, 1048, 1049, 1050, 1051, 1053, 1069, 1070, 1073

Realistic.....
1025

Samsung.....
1007, 1014, 1043, 1057, 1060

Sharp.....
1074

Sony.....
1008, 1016, 1017, 1039, 1058, 1059

STS.....
1028

Tivo.....
1007, 1014

Toshiba.....
1036, 1038, 1061

Zenith.....
1018, 1040, 1062

Codes for STB

ABC.....
1075, 1076, 1077, 1084, 1097, 1098, 1115, 1122, 1123, 1130, 1135

Adelphia.....
1128

AT&T.....
1111

Bell South.....

1104

Citizen.....
1137

Comcast.....
1102, 1107, 1113

COX.....
1108

GE.....
1075, 1076

Gemini.....
1087, 1099

Goldstar.....
1138, 1139

Hitachi.....
1076

Jasco.....
1099

Magnavox.....
1089

Memorex.....
1090, 1098

Motorola.....
1100, 1102, 1105, 1108, 1109, 1111, 1113

Movie Time.....
1091, 1137

NEC.....
1078

Pace.....
1114, 1115, 1116, 1117, 1118, 1119, 1122, 1123, 1125

Panasonic.....
1094, 1096, 1098

Philips.....
1082, 1083, 1089

Pioneer.....
1092, 1114, 1119, 1125, 1126, 1139

Pulsar.....
1098, 1137

Quasar.....
1098

RadioShack.....
1099, 1103

RCA.....
1079, 1096

Realistic.....
1081

Recoton.....
1101

Samsung.....
1137, 1138, 1139

Scientific Atlanta.....
1084, 1111, 1114, 1115, 1119, 1120, 1121,
1122, 1123, 1124, 1125, 1126, 1127, 1128,
1130, 1131, 1132, 1133, 1134, 1135, 1136

Sony.....
1106

Time Warner.....
1110

Toshiba.....
1098

Tristar.....
1103

United Cable.....
1097

Universal.....
1080, 1081

View Star.....
1085, 1089, 1091

Zenith.....
1095, 1098, 1104

Codes for AUX - DVD

Accurian.....
3084

Advent.....
3094

Aiwa.....
3018, 3235, 3269

Akai.....
3025, 3052, 3257, 3326, 3327

Alpine.....
3208

Apex.....
3104, 3121, 3130, 3217, 3262

Apex Digital.....
3023, 3028, 3032, 3036, 3037, 3038, 3044,
3053, 3054, 3060, 3062, 3065, 3258

Audiovox.....
3035, 3148, 3216, 3234, 3294

Blaupunkt.....
3028, 3149

BOSE.....
3282

Coby.....

3095, 3096, 3291

Curtis Mathes.....
3064, 3138

Daewoo.....
3034, 3049, 3073, 3074, 3134

Denon.....
3000, 3017, 3106, 3116, 3160, 3164, 3186,
3190

Disney.....
3024, 3080

Fisher.....
3022

Funai.....
3024, 3079, 3241

Gateway.....
3071, 3222

GE.....
3003, 3028, 3126, 3196

Go Video.....
3029, 3030, 3033, 3049, 3058, 3063, 3071,
3091, 3215, 3222, 3236, 3246, 3248

Goldstar.....
3029

Grundig.....
3007

Harman/Kardon.....
3026, 3192

Hitachi.....
3011, 3021, 3075, 3136, 3193, 3205, 3215

Insignia.....
3079

JBL.....
3026, 3292

Jensen.....
3096

JVC.....
3009, 3013, 3048, 3072, 3113, 3122, 3135,
3140, 3166, 3177, 3197, 3201, 3207, 3230,
3231, 3232, 3233, 3247, 3255, 3300, 3301,
3302, 3304, 3306

Kawasaki.....
3035

Kenwood.....
3000, 3006, 3106, 3116, 3195, 3202, 3210,
3211

KLH.....
3028, 3035, 3054, 3069

Konka.....
3101, 3310, 3311, 3312, 3313, 3314, 3315,

3316

Koss.....
3020, 3100, 3150, 3289

LG.....
3012, 3029, 3049, 3163, 3229, 3329

Magnavox.....
3001, 3007, 3019, 3024, 3042, 3079, 3145,
3181

Marantz.....
3007, 3175

Memorex.....
3025, 3080, 3139

Microsoft.....
3003

Mitsubishi.....
3002, 3089, 3128, 3154, 3161, 3185

Onkyo.....
3001, 3014, 3158, 3293, 3298

Oritron.....
3020, 3100

Panasonic.....
3000, 3001, 3027, 3083, 3087, 3088, 3092,
3106, 3107, 3116, 3144, 3147, 3170, 3171,
3173, 3182, 3198, 3218, 3221, 3251, 3259,
3264, 3266, 3267, 3268, 3273, 3274, 3277,
3283, 3284, 3287, 3290, 3334, 3335, 3336

Philips.....
3001, 3007, 3019, 3024, 3046, 3077, 3078,
3082, 3124, 3145, 3153, 3156, 3162, 3167,
3179, 3187, 3189, 3199, 3219, 3223, 3241,
3253, 3271, 3333

Pioneer.....
3004, 3010, 3016, 3115, 3137, 3142, 3159,
3168, 3176, 3194, 3225, 3281, 3297, 3330

Polaroid.....
3054, 3062

Polk Audio.....
3007

Presidian.....
3024, 3241

Proscan.....
3003, 3119, 3180

RCA.....
3003, 3010, 3028, 3035, 3043, 3055, 3068,
3108, 3119, 3120, 3126, 3180, 3191, 3226,
3238, 3240, 3245, 3263

Sampo.....
3031

Samsung.....
3000, 3011, 3030, 3041, 3052, 3058, 3063,

3110, 3117, 3133, 3141, 3178, 3184, 3204,
3249, 3299, 3322, 3331

Sansui.....
3025, 3257

Sanyo.....
3022, 3025

Sharp.....
3015, 3024, 3031, 3076, 3123, 3131, 3256,
3276

Sony.....
3005, 3047, 3057, 3085, 3090, 3105, 3109,
3111, 3112, 3114, 3129, 3151, 3152, 3165,
3213, 3220, 3242, 3244, 3279, 3280, 3285,
3286, 3307, 3332

Sylvania.....
3024, 3042, 3079, 3139, 3241, 3254, 3265,
3270, 3275, 3278, 3317, 3318, 3319, 3320,
3321, 3323, 3324, 3325

Symphonic.....
3024, 3042, 3241

Teac.....
3035

Technics.....
3000, 3027, 3116

Toshiba.....
3001, 3025, 3059, 3070, 3103, 3118, 3125,
3127, 3132, 3143, 3155, 3169, 3174, 3224,
3227, 3228, 3237, 3239, 3243, 3252, 3257,
3260, 3261, 3272, 3295

Vizio.....
3337

Xbox.....
3003

Yamaha.....
3000, 3007, 3008, 3106, 3172, 3188, 3200,
3203, 3206, 3209, 3214, 3296, 3303

Zenith.....
3001, 3012, 3029, 3049, 3103, 3146, 3163,
3183

Codes for AUX - Amplifier

BOSE.....
6006

Curtis Mathes.....
6003

Denon.....
6010
GE.....
6001
Harman/Kardon.....
6008
JBL.....
6013
JVC.....
6004
Marantz.....
6008, 6011
Optimus.....
6003
Philips.....
6008
Pioneer.....
6000, 6003
Polk Audio.....
6008
RCA.....
6003
Sony.....
6007
Soundesign.....
6001
Wards.....
6000, 6001
Yamaha.....
6002, 6005, 6009, 60123

Codes for AUX - REC

Aiwa.....
7002, 7006, 7043, 7046, 7064, 7088,
7089, 7090, 7091, 7101, 7110, 7143,
7152, 7184
Apex Digital.....
7048
Audiotronic.....
7018
Audiovox.....
7044, 7219
BOSE.....
7009, 7019, 7020, 7073, 7207
Carver.....
7006, 7018, 7110
Coby.....

7216
Denon.....
7038, 7076, 7107, 7135, 7136, 7148, 7153,
7154, 7162, 7164, 7169, 7171, 7172, 7173,
7177, 7187
Emerson.....
7077
Fisher.....
7070
GE.....
7109
Harman/Kardon.....
7001, 7006, 7012, 7031, 7032, 7100, 7110,
7168
Hitachi.....
7070
Integra.....
7003, 7030, 7036
JBL.....
7001, 7032, 7100, 7217
JVC.....
7040, 7051, 7092, 7132, 7141, 7157, 7165,
7174, 7180, 7181, 7182, 7195, 7203, 7204
Kenwood.....
7034, 7060, 7061, 7093, 7120, 7123, 7129,
7131, 7147, 7159
KLH.....
7044, 7047
Koss.....
7039, 7214
LG.....
7028
Magnavox.....
7006, 7007, 7018, 7024, 7054, 7110
Marantz.....
7006, 7018, 7024, 7027, 7110, 7193
Mitsubishi.....
7045, 7176
Nakamichi.....
7112, 7113
Onkyo.....
7003, 7011, 7030, 7036, 7056, 7102, 7124,
7133, 7139, 7142, 7158, 7175, 7178, 7179,
7185, 7218
Optimus.....
7007, 7010, 7013, 7015, 7108
Oritron.....
7039
Panasonic.....

7026, 7033, 7035, 7055, 7057, 7063, 7068,
7069, 7103, 7104, 7140, 7155, 7170, 7189,
7194, 7197, 7198, 7199, 7200, 7202, 7208,
7209, 7210, 7211, 7212, 7215
Philips.....
7006, 7018, 7023, 7024, 7110, 7167, 7214
Pioneer.....
7000, 7004, 7007, 7008, 7013, 7042, 7081,
7082, 7099, 7118, 7119, 7126, 7127, 7149,
7150, 7151, 7160, 7161, 7188, 7206
Polaroid.....
7079
Polk Audio.....
7006, 7027, 7192
RCA.....
7007, 7013, 7015, 7021, 7044, 7053, 7083,
7094, 7109, 7213
RCA & Dimensia.....
7084, 7085, 7086, 7087, 7109
Samsung.....
7029, 7052, 7186, 7220
Sansui.....
7006, 7110
Sanyo.....
7050, 7070
Sherwood.....
7016, 7106, 7190
Sony.....
7014, 7022, 7049, 7058, 7065, 7066, 7067,
7071, 7080, 7095, 7096, 7105, 7114, 7115,
7116, 7117, 7122, 7125, 7130, 7144, 7145,
7146, 7156, 7183, 7196, 7201, 7205
Soundesign.....
7010
Teac.....
7015, 7044
Technics.....
7033, 7055, 7103, 7104, 7134, 7138, 7140
Wards.....
7000, 7006, 7099, 7110
Yamaha.....
7003, 7005, 7017, 7025, 7037, 7041, 7074,
7075, 7078, 7097, 7098, 7099, 7121, 7128,
7163, 7166, 7221
Zenith.....
7028

Codes for AUX - VCR

Admiral.....
5008
Aiwa.....
5000, 5004, 5043
Akai.....
5036, 5139
Alienware.....
5033
Apex Digital.....
5092
Audio Dynamics.....
5037
Audiovox.....
5004, 5040
Bell & Howell.....
5038
Canon.....
5003, 5041
Citizen.....
5004, 5030, 5039, 5040, 5121
Colortyme.....
5037
Craig.....
5004, 5007, 5039, 5040
Curtis Mathes.....
5003, 5009, 5011, 5024, 5035, 5037, 5039,
5041
Daewoo.....
5006, 5030, 5043, 5070, 5121
Dell.....
5033
Dimensia.....
5035
DIRECTV.....
5018
Emerex.....
5001
Emerson.....
5000, 5004, 5012, 5030, 5031, 5040, 5041,
5043, 5095, 5121, 5122, 5138
Fisher.....
5007, 5038, 5076
Fuji.....
5002, 5003, 5036, 5041
Funai.....
5000, 5043, 5047, 5095, 5117

Garrard.....
5000, 5043

Gateway.....
5033

GE.....
5003, 5009, 5019, 5024, 5025, 5035, 5039,
5041, 5119, 5126, 5144

Go Video.....
5085, 5088, 5093, 5101, 5103

Goldstar.....
5004, 5029, 5037, 5040, 5120

Harley Davidson.....
5000, 5043, 5117

Harman/Kardon.....
5010, 5037

Hewlett Packard.....
5033

Hitachi.....
5000, 5117

HP.....
5033

Hughes Network Systems.....
5018

JC Penney.....
5037, 5038, 5039, 5040, 5041

JCL.....
5041

JVC.....
5037, 5038, 5057, 5063, 5067, 5068,
5080, 5081, 5082, 5083, 5102, 5112, 5113

KEC.....
5004

Kenwood.....
5037, 5038

Kodak.....
5003, 5004, 5040, 5041

LG.....
5040, 5079

Linksys.....
5033

Lloyd's.....
5000, 5043, 5117

LXI.....
5004, 5040

Magnavox.....
5000, 5003, 5005, 5010, 5032, 5041, 5064,
5074, 5117, 5132, 5138

Marantz.....
5003, 5010, 5037, 5038, 5041

Matsushita.....
5003, 5011, 5041

Media Center PC.....
5033

Memorex.....
5000, 5003, 5004, 5005, 5007, 5008, 5011,
5029, 5038, 5039, 5040, 5041, 5043, 5046,
5077, 5084, 5120

MGA.....
5119

Microsoft.....
5033

Mitsubishi.....
5019, 5053, 5071, 5144

Motorola.....
5003, 5008, 5041

NEC.....
5037, 5038

Nikko.....
5004, 5040

Olympus.....
5003, 5041

Optimus.....
5004, 5008, 5011, 5026, 5040

Orion.....
5012, 5031, 5046, 5122

Panasonic.....
5003, 5011, 5013, 5015, 5024, 5026,
5041, 5048, 5052, 5058, 5066, 5073, 5094,
5106, 5116, 5127, 5128, 5129, 5135, 5136,
5141, 5142, 5145, 5147, 5148

Penney.....
5003, 5004, 5024, 5029, 5119, 5120

Philco.....
5003, 5041

Philips.....
5003, 5010, 5016, 5018, 5041, 5055, 5095,
5110, 5132, 5133

Philips Magnavox.....
5055, 5064

Polaroid.....
5092

Polk Audio.....
5010

Presidian.....
5095

Proscan.....
5009, 5025, 5035, 5075

Pulsar.....

5005

Quasar.....
5003, 5011, 5024, 5041, 5128, 5137

RadioShack.....
5000, 5007, 5040, 5117

RCA.....
5009, 5019, 5021, 5024, 5025, 5035, 5039,
5041, 5059, 5087, 5100, 5119, 5131, 5144,
5149

Realistic.....
5000, 5003, 5004, 5007, 5008, 5038, 5039,
5040, 5041, 5043

Samsung.....
5006, 5018, 5023, 5039, 5042, 5085, 5089,
5093, 5099, 5104, 5123

Sansui.....
5000, 5031, 5046, 5084, 5117, 5122

Sanyo.....
5007, 5038, 5039, 5076, 5119

Scott.....
5006, 5012

Sears.....
5000, 5003, 5004, 5007, 5029, 5038, 5040,
5041, 5117, 5120

Sharp.....
5008, 5019, 5049, 5056, 5065, 5115,
5124, 5144

Sony.....
5000, 5001, 5002, 5003, 5017, 5028, 5033,
5036, 5044, 5050, 5051, 5054, 5069, 5090,
5091, 5096, 5098, 5107, 5111, 5117

Sylvania.....
5000, 5003, 5010, 5032, 5041, 5043, 5095,
5130, 5138, 5143, 5146

Symphonic.....
5000, 5043, 5047, 5095, 5117

Systemax.....
5033

Tandy.....
5038

Teac.....
5000, 5043

Technics.....
5003, 5011, 5041

Teknika.....
5000, 5003, 5004, 5040, 5041, 5043

Thomas.....
5000, 5117

Tivo.....

5016, 5017, 5018, 5034

Toshiba.....
5006, 5020, 5022, 5027, 5033, 5034, 5061,
5062, 5086, 5097, 5108, 109, 5114, 5125,
5134, 5140

Totevision.....
5004, 5039, 5040

Viewsonic.....
5033

Wards.....
5000, 5003, 5007, 5008, 5009, 5010, 5039,
5040, 5041, 5043

White Westinghouse.....
5047

Yamaha.....
5037, 5038

Zenith.....
5000, 5002, 5005, 5031, 5036, 5045,
5060, 5072, 5117, 5122

Codes for AUX - PVR

Alienware.....
4007

Dell.....
4007

DigiFusion.....
4032

DIRECTV.....
4004, 4009, 4010, 4011, 4012, 4013,
4018, 4019, 4023, 4027

Dish Network.....
4016, 4017

Dishpro.....
4016

EchoStar.....
4016, 4017

ExpressVu.....
4016

Gateway.....
4007

GO.....
4016

Hewlett Packard (HP).....
4007

Quasar.....
5003, 5011, 5024, 5041, 5128, 5137



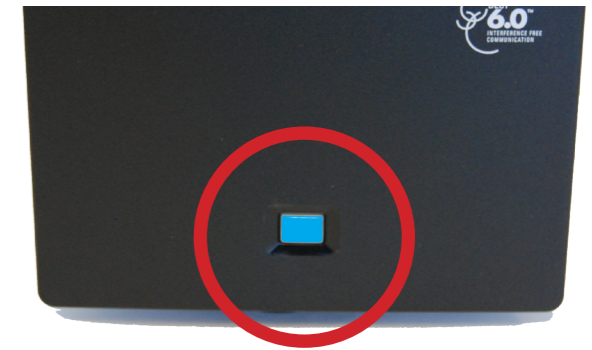
PAIR PHONE HANDSET TO BASESTATION

- Hughes.....
4004, 4009, 4010, 4011, 4012, 4013, 4023,
4027
- JVC.....
4016, 4017, 4027
- Linksys.....
4007
- Media Center PC.....
4007
- Microsoft.....
4007
- Panasonic.....
4001, 4031
- Philips.....
4002, 4004, 4013,4021, 4023, 4027, 4029
- Pioneer.....
4033
- Proscan.....
4018
- RCA.....
4005, 4018, 4019, 4027
- ReplayTV.....
4000, 4001, 4020, 4030
- Samsung.....
4004
- Sony.....
4003, 4007, 4014,4015, 4022, 4024, 4025,
4028
- Tivo.....
4002, 4003, 4004,4008, 4009, 4010, 4011,
4012, 4014, 4015, 4021, 4022, 4024, 4025,
4026,4027
- Toshiba.....
4006, 4007, 4008
- Viewsonic.....
4007
- Voodoo.....
4007

The voice system is preconfigured so you can set up your SIP phone out of the box. Only complete the following instructions if you received new handsets or need to reset your handsets and connect them to the basestation, complete the following instructions.

- 1 Make sure your handset is fully charged (6 hours), your basestation has power and is connected to the Home Center with an Ethernet cable. See the Voice installation sheet that came with your service equipment.
- 2 On the handset, press **Menu > Handset > Register**.
- 3 Enter passcode **0000** Do not change the passcode. It must be 0000 to work with your ROSsm voice service.
- 4 Select **OK**.
- 5 Press and hold the blue button on the basestation for 5 seconds (Voice Figure 1). Repeat pressing the blue button if it doesn't work the first time. The Home Center will need to provision the handset in its device database. You will receive a test ring on the phone that the handset is connected to the basestation and another one after 1 or 2 minutes to let you know that the Home Center has provisioned it for voice service as an extension.

Please enjoy your new voice services.



Voice Figure 1:
SIP Phone Base Station

FCC Regulatory Information

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 your service provider, retailer, or an experienced technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your phone. Changes or modifications not expressly approved may cause interference and void the user's authority to operate the equipment.

Product	Product Name
Model	ROS sm 1000, ROS sm 2000
Responsible Party	Prodea Systems, Inc. 6101 West Plano Parkway Suite 210 Plano, Texas 75093
Phone	214.278.1850

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 complies with Part 68 of the FCC Rules and the requirements adopted by ACTA. On the back of this equipment is a label that contains a product identifier in the format US:AAAEQ##TXXXX. If requested, this information must be provided to your telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may connect to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone company. For product approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without the decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If your DIGITAL VIDEO RECORDER causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this unit, for repair or warranty information, please contact customer service at the address and phone listed below. If the equipment is causing harm to the network, the telephone company may request that you disconnect the equipment until the problem is resolved.

DO NOT DISASSEMBLE THIS EQUIPMENT. It does not contain any user serviceable components.

We recommend the installation of an AC surge arrester in the AC outlet to which this equipment is connected. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources.

Wireless Radio Use

These devices are restricted to indoor use due to its operation in the 2.4 to 5 GHz frequency range to reduce the potential for harmful interference to co-channel Mobile Satellite systems.

Exposure to Radio Frequency Energy

The radiated output power of these devices is below the FCC radio frequency exposure limits; however, these devices should be operated with a minimum distance of at least 20 cm between its antennas and a person's body, and the antennas used with these transmitters must not be co-located or operated with any other antenna or transmitter subject to the conditions of the FCC Grant.

UNIVERSAL REMOTE CONTROL

