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Connections and Setup

HOW TO CONNECT YOUR SATELLITE RECEIVER

Do you have a handful of cables and a head full of questions? This chapter is the perfect place to find out how to connect the receiver to all kinds of equipment. You'll find this chapter particularly helpful if you decide to move your receiver or if you get a new TV, VCR, or DVD player.

- **CONNECTING TO A TV**
- **CONNECTING TO YOUR DISH ANTENNA**
- **CONNECTING THE PHONE LINE**
- **CONNECTING A VCR**
- **USING TROUBLESHOOTING TOOLS**

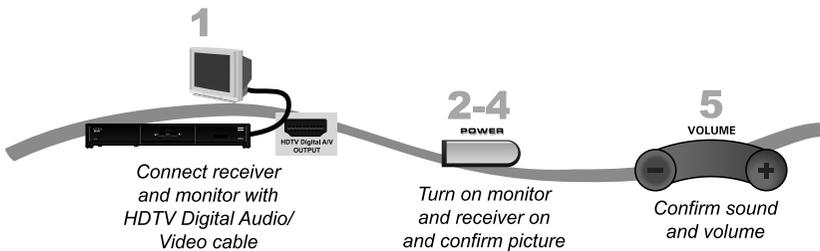
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CONNECTING TO A TV

This section describes how to connect receiver output ports to a TV. You can connect the receiver to a standard definition (SD) TV or a high definition TV (HDTV). Select one of the following methods.

HDTV DIGITAL AUDIO/VIDEO CONNECTIONS

The HDTV Digital Audio/Video connection provides high-quality audio and video to your HDTV or HD Monitor in one cable.



1. Connect an HDTV Digital Audio/Video cable between the HDTV Digital Audio/Video connection on the receiver and HDTV set or monitor. You may need to use an adapter.
2. Turn on your receiver and TV using the front panel buttons.
3. Confirm that you are getting a picture from the receiver. Consult your HDTV user's guide if you need to change your HDTV to display from the Digital Audio/Video input.
4. If you do not see a picture, see *No Picture on the HDTV* on page 11-3.

Note: In most cases connecting the Digital Audio/Video cable will provide plug-and-play control of the monitor's display resolution and other settings. However, your HDTV may require selecting a different format to display from the receiver during setup.

5. Turn up the volume on your HDTV and confirm you have sound. If you don't have sound, your system may require you to connect audio (red and white) RCA-type cables between the receiver Audio Outputs and audio input connections.

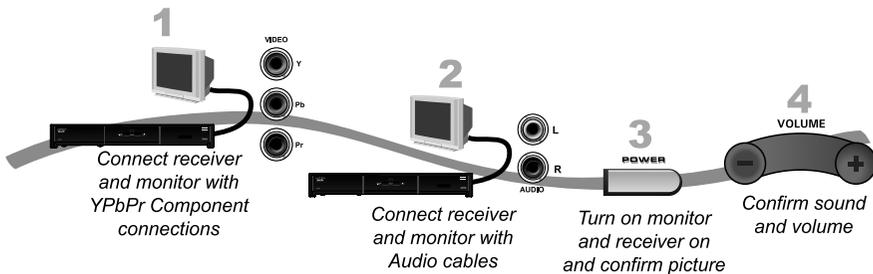
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YPBPR CONNECTIONS

The YPbPr connections provide high-quality audio and video to your HDTV or HD monitor.



1. Connect between the YPbPr component connections on the receiver and the HDTV using component video cables.
2. Connect audio (red and white) RCA-type cables between the receiver Audio Outputs and audio input connections that go with the YPbPr connectors on your HDTV or monitor.
3. If you do not see a picture, change the resolution setting on the receiver.
4. Turn up the volume on your HDTV and confirm you have sound. Check the RCA-type connections if you don't have sound.

NO PICTURE ON THE HDTV

This section will help you make a picture on the HDTV in the event that you could not do so in the previous sections.

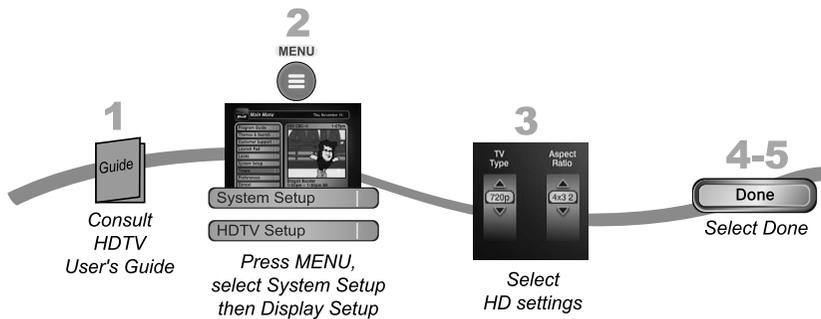
1. Connect RCA-type cable connections between the receiver Out and the HDTV.
2. Make sure the receiver and HDTV are on.
3. Make sure the HDTV is set to display satellite TV. Look on the back of your HDTV and consult your HDTV user's guide.
4. On the receiver front panel, press SYS INFO.

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5. Change the HDTV settings as described below.
6. Switch to the HDTV to display satellite TV. If you have a picture, you are finished.
7. Repeat steps 5 and 6 until the HDTV displays video from the receiver.

SETTING UP TO DISPLAY IN HD

Once the receiver has been activated with qualifying Bell TV programming, you will be able to receive HD programs to watch. Use the following steps to select the desired HDTV format.



1. Consult your HDTV user's guide for the HD format resolution that the TV supports (1080i or 720p).
2. Press MENU, select System Setup, and then HDTV Setup to open the receiver HDTV Setup screen.
3. While in this menu, select the Aspect Ratio option that matches your TV:
 - 16x9 is the setting for wide screen HDTV display.
 - 4x3 #1 is the setting to use on a 4x3 TV which uses vertical compression. When fed with a 16x9 program, a compatible TV automatically makes the picture letterbox format (black bars top and bottom), to preserve the correct horizontal and vertical proportions.
 - 4x3 #2 is the setting to use on a 4x3 TV which does NOT have internal vertical compression. When fed with a 16x9 program, such a TV will not show black bars at the top and bottom, and the picture will appear tall and skinny.

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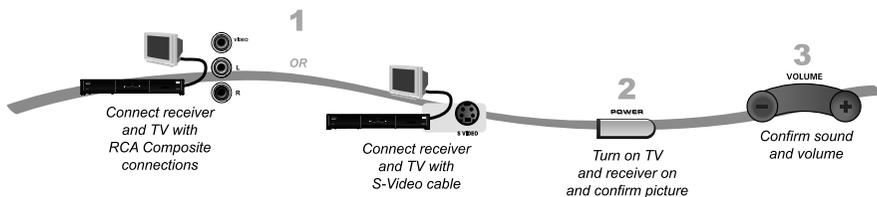
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4. Press Done.
5. If required, set up the HDTV to display in the format you desire. Some HDTVs will automatically adjust to the resolutions setting of the receiver.

STANDARD DEFINITION TV CONNECTIONS

You can connect the receiver to a standard definition TV in two ways:

- RCA Audio/Video connections
- S-Video and RCA Audio

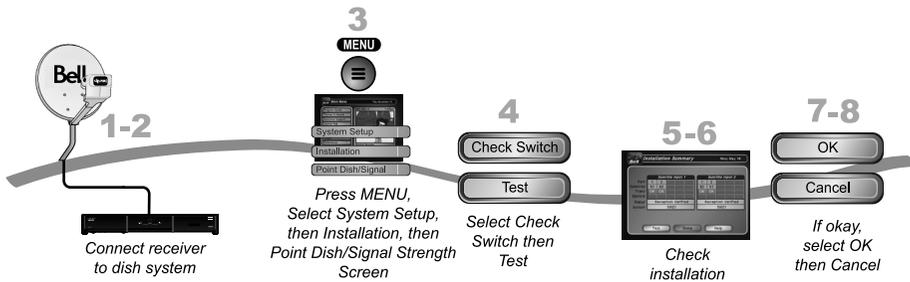


1. Connect the receiver to the TV using one of the following:
 - RCA Audio/Video connection
 - S-Video and RCA Audio (Red and White)
2. Turn on the TV and receiver to make sure you have a picture.
3. Turn up the volume on the TV to make sure you have audio.

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CONNECTING TO YOUR DISH ANTENNA

Use the instructions here if you are connecting a receiver into an existing satellite TV system.



1. Before you can begin connecting your receiver to your dish antenna, you must first complete the preceding sections on connecting your TVs to the receiver.
2. Connect an RG-6 coaxial cable between the Satellite In port on the receiver's back panel to an available port on either your switch or your LNBF in your existing system.
3. On the remote control, press Menu, select System Setup, Installation, and then Point Dish to display the Point Dish screen on the TV.
4. Select Check Switch. Select Test.
5. The receiver begins performing the Check Switch tests. When it is finished, the Installation Summary screen displays.
6. Make sure that the information on the Installation Summary screen identifies your system correctly and shows all transponders for all satellites in your system.
7. Select OK to go to the Point Dish/Signal screen.
8. Select Cancel to exit the Point Dish menu. At this point, the receiver may walk you through a procedure to download software. If this prompt displays, follow the instructions and do not disturb the receiver until the TV is displaying Bell TV video. Otherwise, press View TV. After a few minutes, you should be watching TV.

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CONNECTING THE PHONE LINE

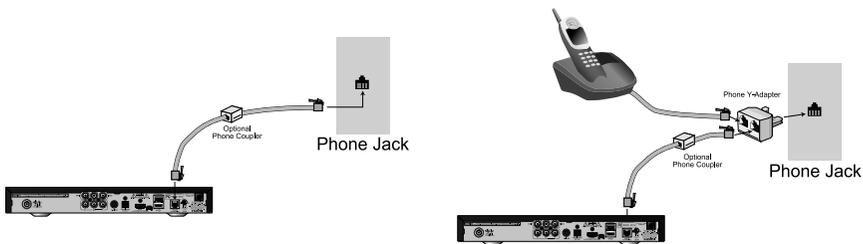
You must keep the receiver connected to an active telephone line to order Pay-Per-View programs, use all of the ITV Interactive features, or other services from Bell TV with your remote control.

Note: You may be able to use a wireless modem jack. However, this may not support all the features of this receiver, such as Caller ID.

Note: If you have a Digital Subscriber Line (DSL), you may have to install a DSL filter between the receiver's back panel Phone Jack and the telephone wall jack to successfully connect with Bell TV. You can obtain a filter from your DSL provider.

PHONE LINE CONNECTION

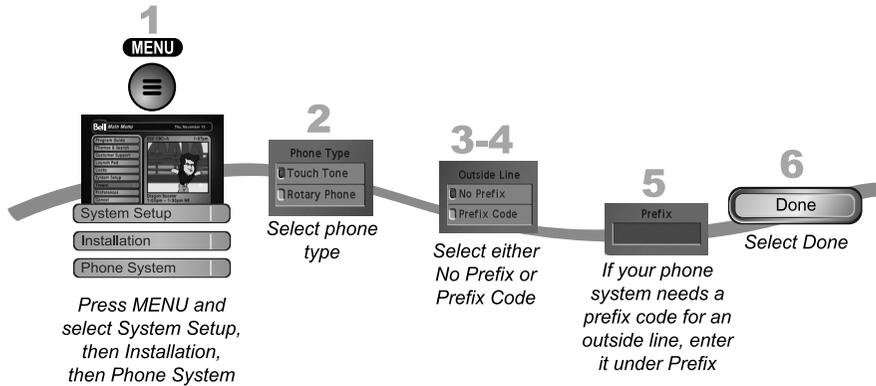
Run a telephone cable with a standard RJ-11 connector from the receiver's back panel Phone Jack to an active telephone connection.



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PHONE SYSTEM SETUP

You must also set up the receiver for your telephone system (touch tone or rotary), and set a telephone number prefix, if you need a prefix to make an outside call.



1. Pressing MENU, then select System Setup, Installation, and then Phone System.
2. Select the Touch Tone or the Rotary Phone option in the Phone Type list.
3. Select either the No Prefix or the Prefix Code option in the Outside Line Prefix list.

Note: Usually, you need a telephone number prefix only for business installations. For most residential installations, all you need to do is set the telephone system type. The default setting of No Prefix will allow correct dialing.
4. If you selected No Prefix, select Done.
5. If you selected Prefix Code, the receiver highlights the box where you must enter the exact sequence you dial the phone to obtain an outside line.
6. Select Done.

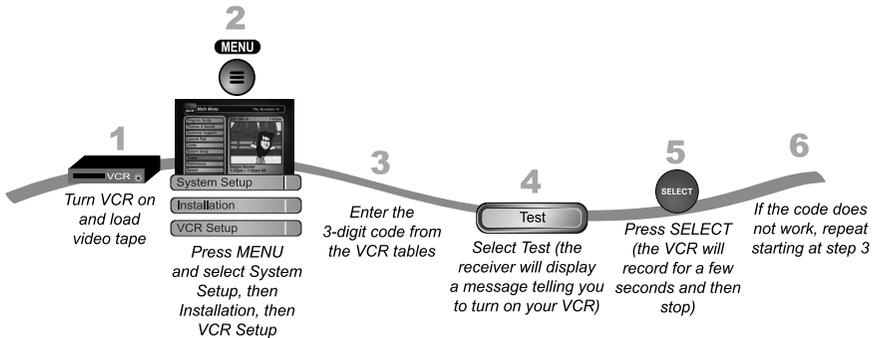
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SETTING UP THE RECEIVER TO CONTROL YOUR VCR

Use this section to set up the receiver to control your VCR so that you can use VCR timers. The receiver's front panel IR BLASTER sends a signal to control the VCR. This signal can bounce off walls and other objects on its way from the receiver. However, shelves or smoked glass between the receiver and VCR can block the signal. Make sure nothing blocks the signal and that you don't have the VCR too far away from the receiver.



USING TROUBLESHOOTING TOOLS

Your receiver has diagnostic tools that a Customer Service Representative may ask you to use if you should ever run into problems while using your equipment. Even though these tools are quite helpful, it is recommended that you only use them when on the phone with a Bell TV representative.

RESETTING YOUR RECEIVER

Reset your receiver as directed by the Customer Service Representative as follows:

1. Press and hold the front panel **POWER** until the green indicator blinks once and the TV screen goes blank.
2. Let go of the front panel **POWER**.

It will take a few minutes for your receiver to reset and come back on. When you reset your receiver, your receiver will download an updated Program Guide.

DIAGNOSTICS

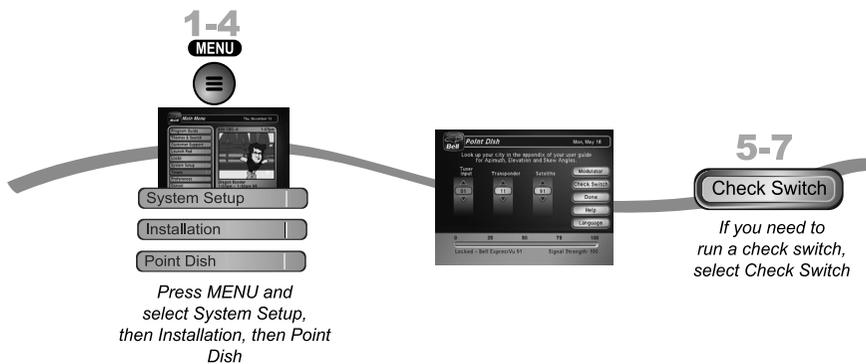
The Customer Service Representative may ask you to open the Diagnostics screen. Remember to have an active phone line connected to your receiver.

1. Press **MENU**, select System Setup, and then select Diagnostics. The Diagnostics screen shows you various tests the Customer Service Representative may ask you to perform on your receiver:
 - Connection - Tests for a valid receiver phone connection.
 - Dial Out - If "No Dial Out Pending" is displayed, the receiver does not need to have its smart card records updated.
 - Counters - Shows you a list of diagnostic counters. Use **PAGE UP** and **PAGE DOWN** to scroll through the list of counters displayed.
2. Select Done.

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POINT DISH AND CHECK SWITCH

The Point Dish and Check Switch screens are helpful to the Customer Service Representatives. You may be asked to display these screens when you call Bell TV. Even though there are items that can be changed, only change them when specifically directed by a Customer Service Representative.



1. Press MENU.
2. Select System Setup.
3. Select Installation.
4. Select Point Dish. This screen shows you information to help maximize your satellite signal. The bar at the bottom of the screen tells you the signal strength. Green is a good signal, while red indicates the signal is not acceptable or is from the wrong satellite.
5. Select Check Switch to display the Installation Summary screen. The Installation Summary screen tells you if you are receiving signals from the satellites and which multidish switches you have installed, if any.
6. Select Test only if directed by the Customer Service Representative.
7. Select Done.