

Setting Up TiVo

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Although your part of the setup process won't take much time at all, once the second call begins, the PTV Recorder will be processing data for 2 to 3 hours. You may want to initiate Guided Setup just before bedtime so the PTV Recorder can work while you sleep.



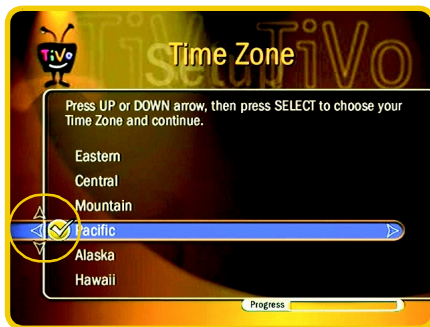
Guided Setup

Once you've connected your PTV Recorder, the next step is to set up and activate the TiVo Service. Guided Setup will take 20 minutes, plus two to three hours of processing time. Depending upon your program source (antenna, cable, or satellite), Guided Setup will present you with sequential screens that you'll respond to, step-by-step. Generally speaking, the more sophisticated your system, the more steps you'll complete.

During Guided Setup, the PTV Recorder will make two phone calls to the TiVo Service. If you need to use the phone during either of these calls, simply pick up the telephone and the PTV Recorder will hang up. The PTV Recorder will have to redo that phone call, so try to run Guided Setup at a time when you won't need to use the phone for a while and when you don't need the TV to watch your favorite program.

Navigating Guided Setup Using the PTV Remote Control

You'll use the navigation arrows and the SELECT button on the PTV Remote Control as you go through Guided Setup. The navigation arrows allow you to move up and down in a list of options to highlight your choice. The SELECT button lets you select (and sometimes deselect) a choice and start the setup phone calls. The Guided Setup screens contain instructions on how to do each step.



Notice the onscreen arrows that move with the blue highlight bar. These arrows indicate the possible paths you may take. If you don't see a down arrow at the bottom of a list, there are no more items in that direction.

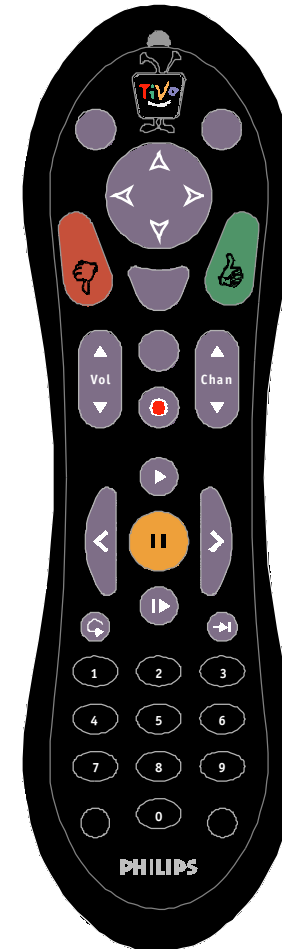
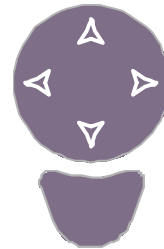
If you make a mistake during Guided Setup, you can back up to a prior screen and fix it using the LEFT arrow. You can

also change or add to your setup information later without redoing all of Guided Setup. See your *TiVo Viewer's Guide* for details.

Installing Batteries in the PTV Remote Control

Before you can use the remote, you'll need to install the supplied batteries.

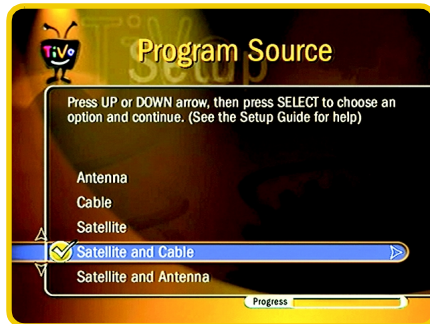
- 1 Pull the latch and lift the cover of the remote to open the battery compartment.**
- 2 Insert two size AA batteries (supplied).**



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Antenna users: TiVo uses the channel lineup of a nearby cable system to determine which channels you receive. If there is no cable company that serves your ZIP code, enter the ZIP code of a nearby community. TiVo will automatically make sure the channel numbers are correct for the broadcast stations.



Be sure to match the + and – marks on the batteries to the + and – marks inside the battery compartment.

3 Close the battery cover.

Insert the tabs on the cover into the gaps in the rear of the battery compartment. Then lower the cover onto the remote until you hear the latch click.

Step-by-Step Instructions

Guided Setup walks you through the steps necessary for your particular program source (antenna, cable, satellite, etc.) and equipment configuration. **Depending upon your program source, you may not encounter all of the Guided Setup screens.**

Program Source. The first step is to specify what kind of television programming source you have. If you have more than one source of programming (for example, both satellite and cable), you can choose that here. Press the UP/DOWN arrows on the remote to highlight your program source(s), then press SELECT to choose that option and move to the next screen. If you have a cable A/B system, you can only pick one to watch with your PTV Recorder. See Connecting Your Equipment for information about splitting your signal in order to watch the other channels.

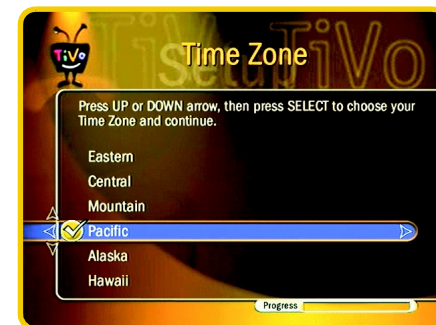
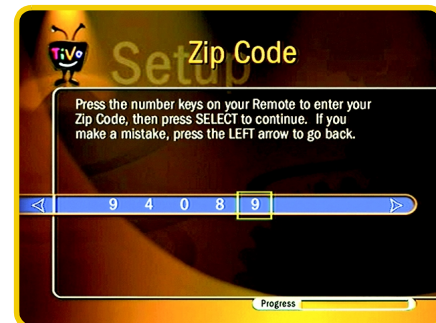
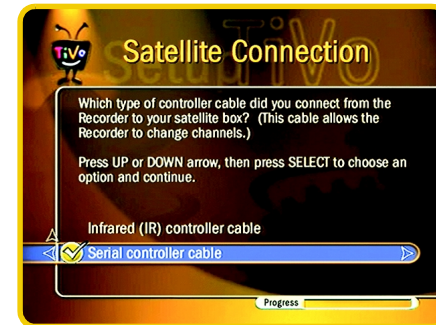
Cable Box. If you chose cable as your program source, do you have a set-top cable box, or does your cable come straight out of your wall and into your TV?

Satellite Connection. If you chose satellite as your program source, did you connect the control cable to a serial jack on the back of your satellite set-top box, or did you use the IR Control cable? A serial connection is preferable, if your satellite box has a serial jack available.

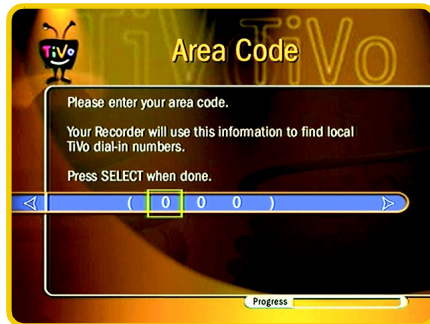
ZIP Code. Use the number keys on the PTV Remote Control to type your ZIP code. TiVo uses your ZIP code to determine which cable and/or satellite companies serve you, or to get a list of broadcast channels for antenna users.

Time Zone. Choose your time zone. TiVo uses this information to be sure your TV listing information is correct.

Daylight Savings. Choose whether your area observes daylight savings time or not. TiVo uses this information to be sure your TV listings are correct, as some areas don't observe daylight savings time.



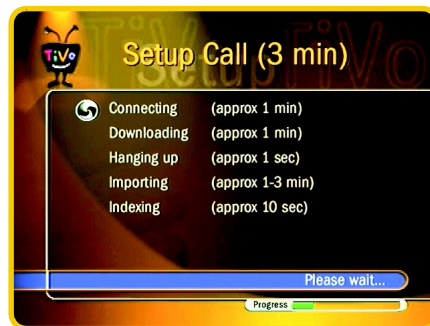
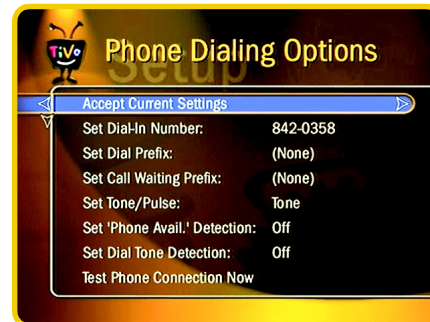
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Area Code. Use the number keys on the PTV Remote Control to type your Area code. TiVo uses your Area code to determine the local dial-in numbers available to you.

Phone Dialing Options. If your phone system requires special dialing options and you need to change the default settings the PTV Recorder uses to dial out, you may choose “Yes” to do that here. Most people won't need to change the settings. If you choose yes, see your *Tivo Viewer's Guide* for help on the various settings.

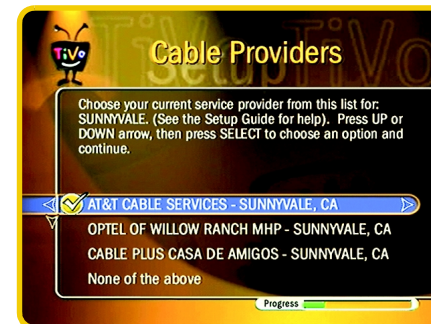
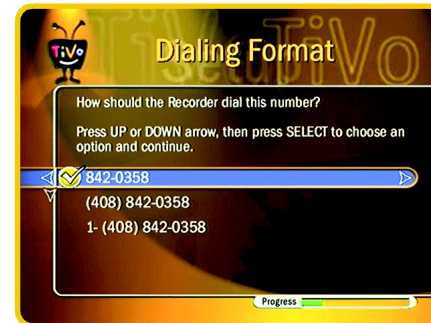
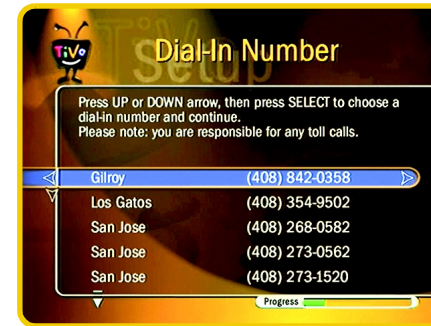
First Setup Call. Next, the PTV Recorder will make a toll-free setup call. This call takes about a minute, plus 1-2 minutes to import data. You can see the status of the call on the screen. Press SELECT to start the call. When the indexing is finished, press SELECT to continue.



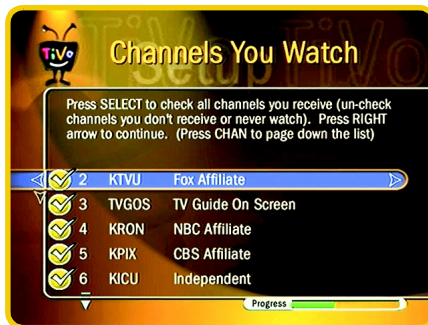
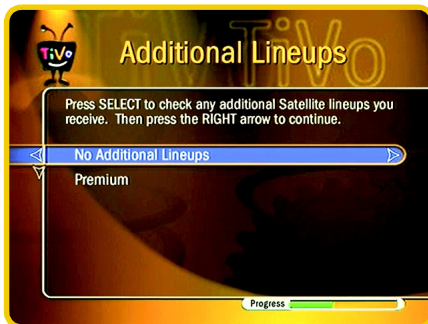
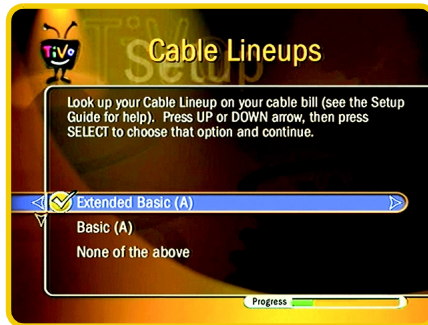
Dial-In Numbers. TiVo displays a list of the dial-in numbers available for your area code. Choose the number you want to use to access the TiVo Service. If the area code has no access numbers, you can try a nearby area code. To do so, press the LEFT arrow. If none of the numbers listed are in your local calling area, choose “None of the Above.” On the **No Local Numbers** screen, choose “Request 800 number authorization”. Please note that if there are local dial-in numbers available to you and you choose TiVo’s 800 number, you will soon get a message and need to choose one of the local numbers. There is no need to use the toll-free 800 number if the daily call will be a local call.

Dialing Format. Choose the dialing format you need. For example, should the dial-in number be preceded by your area code and should a “1” precede the area code? In some areas, even local numbers must be dialed using the area code.

Providers. Choose your satellite or cable provider from this list. For cable users, the list is determined by your ZIP code and what is known about cable companies in your area. If the choice is obvious to you, select it and move on to the next screen. Sometimes, however, the same cable company will broadcast from multiple locations, (called “head ends”) in a given geography. When this occurs, TiVo’s list of providers will have entries with very similar names, and it may be difficult to know for sure which one is yours. You can try looking at your cable bill to match it to one of the choices, but if you still aren’t sure, make your best guess and proceed to the next screen. You will test your guess in a minute when you view your channel lineups and start to customize your channels (see Channels You Watch below).



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Lineups. For cable program sources, choose the type of service you buy from your cable company. Lineups usually have names like “Basic,” “Extended Basic,” “Primary Plus,” or similar. If you’re not sure which lineup you buy from your cable company, your cable bill may tell you. “Rebuild” lineups is a term cable companies use on their bill when they are in the process of creating new channel lineups. Usually you would be informed by your cable company that you were being switched to a “Rebuild” lineup, and your cable bill would indicate this as well. If you’re not sure, guess.

If you have satellite service, this screen will show you the additional lineups that you may subscribe to, such as Basic or Premium. Select all the lineups that apply to you, and then press RIGHT ARROW.

Channels You Watch. Next you will see a list of channels based on the program source, cable or satellite provider, and lineup(s) you selected. Make sure the channel numbers match the networks on this list the way they do when you watch TV. If you had to make a guess about your provider or lineup, this is where you should check to be sure you were right.

If you have satellite as your program source and selected the Premium Channel Lineup, none of the premium channels will be selected. Go through the list and select the channels you subscribe to.

Channels You Watch (continued). Look at the channel numbers and stations in the list to see if they match each other correctly. Perhaps you are familiar enough with your channels to make the verification easy. If you aren't sure, locate a channel guide or quick-reference card from your cable or satellite company that lists the channel numbers and stations. There is also a website called TVQuest (<http://www.tvquest.com>) that you can check. If you determine that the channel numbers and networks don't match, use the LEFT ARROW to go back and choose a different provider or lineup, and try again.

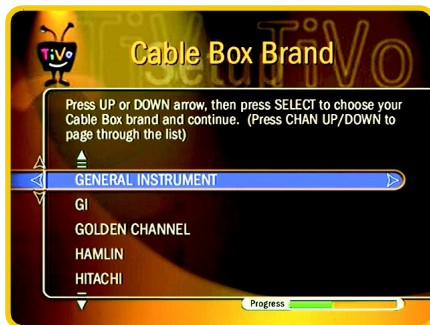
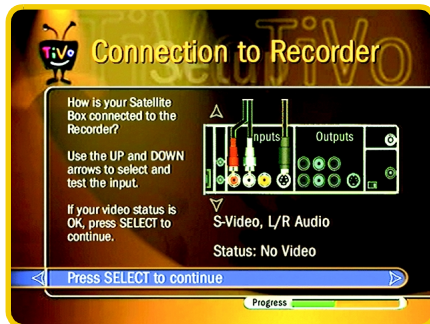
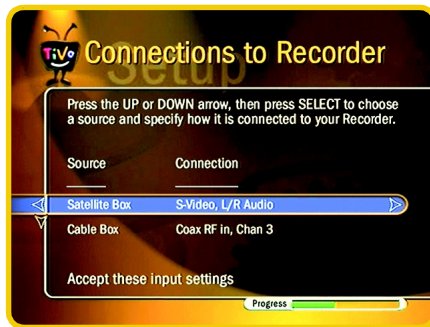
Once you've determined that your channel list is correct, you can proceed to customize it. The list starts with a checkmark next to the channels that are in the lineup(s) you selected. If you don't receive or never watch a particular station, use the UP/DOWN arrows to highlight it and press SELECT to remove the checkmark. If you subscribe to premium channels that aren't checked, highlight them and press SELECT. In this way you create your own custom lineup.

Once your PTV Recorder is set up and you are watching TV, when you change channels up and down, you will only see the channels you check on this screen — so you'll only see the channels you really receive and watch (a nice feature!). In addition, when you are looking for programs to record, you will only see programs on these channels. You can easily check and uncheck channels later if you change your mind. When you are satisfied with your lineup, press the RIGHT ARROW to continue.



If you know that channel 5 should be ABC, check to see that TiVo has this information correct. Use the CHAN UP/DOWN button as a shortcut to go up or down a whole screen at a time. If you're not sure whether you receive a channel, leave it selected. You can check later when Guided Setup is complete. You can always change your lineup from Messages & Setup later and deselect the channel.

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Connection to Recorder screens. If you chose satellite or cable with a set-top box as your program source, these screens allow you to choose the cable type that you used to connect your set-top box to your PTV Recorder. If you have multiple inputs (such as satellite and cable), you will need to specify the cable type for each program source. Use the UP/DOWN arrows until the picture of the PTV Recorder matches the cable connection you used. When the Video Status says “Video OK,” press SELECT to continue. If not, double check that the cable is firmly connected to the PTV Recorder and that you have selected the correct cable type.

Set-top Box IR Setup screens. If you have a cable or satellite box that you have connected with the IR Control cable, you will be guided through choosing the correct IR codes.

Cable/Satellite Box Brand. Choose the brand name of your cable or satellite set-top box. This narrows down the possible control codes the PTV Recorder might use to change channels on the set-top box.

Cable/Satellite Box Channels. Choose the maximum number of digits (either two or three) in the channel numbers that you see on your TV.

Enter Key. When you change channels on your set-top box, using your set-top box remote, does the remote *require* you to press an ENTER key?

IR Checklist. This screen is a checklist for getting ready to test the PTV Recorder’s ability to change your set-top box channels. It reminds you to double-check your connections and a few other things.

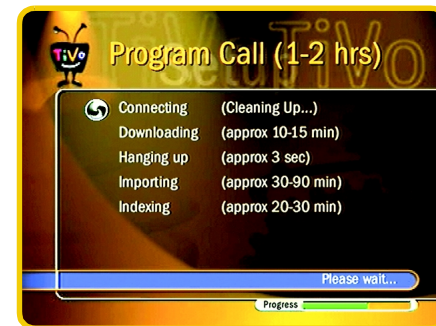
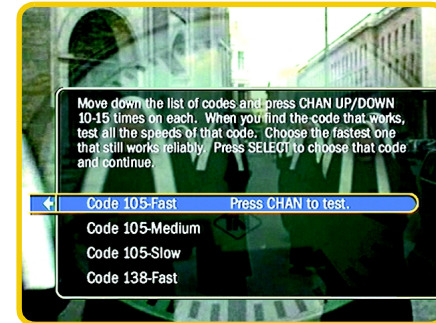
IR Test Instructions. This screen has instructions for the **IR Picking List** screen.

IR Picking List. This screen presents a list of IR codes superimposed over Live TV. Each code has a fast, medium, and slow choice. First find a code that works. Then try the different speeds for that code. Use the fastest speed that reliably changes the channel every time. Use UP/DOWN to move the highlight bar down the list of codes. For each code, press the CHAN UP/DOWN button 10-15 times. Pay close attention to how well the code you're testing changes channels. When you find the code that works best, press SELECT to choose that code.

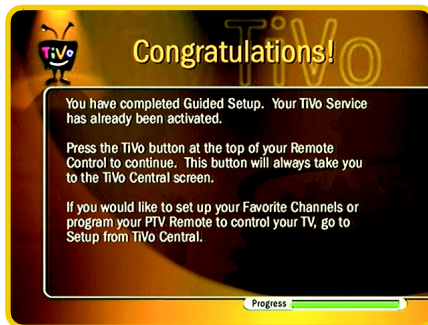
Program Call. The last step of Guided Setup is to make a second call to get the program guide listings. Press SELECT to start the call, which will use the telephone for about 10-20 minutes. During this call, the TiVo Service downloads all your program guide information for the next two weeks. Immediately following the call, the PTV Recorder spends 2 to 3 hours sorting and indexing the data so that it can be searched. The more channels you receive, the longer it takes to sort the information.

If you need to use the phone during the program call, simply pick up the telephone and the PTV Recorder will hang up. You will then need to repeat the program call when you are done using the phone line.

Congratulations! When the PTV Recorder has finished importing and indexing your program guide information, it will beep three times. Press SELECT to continue, and you'll see the **Congratulations!** screen shown at left.



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Activating the TiVo Service

If you haven't activated the TiVo Service already, you'll be instructed to visit the TiVo website at <http://www.tivo.com/activate/> or call 1-877-367-8486 to activate.

The TiVo Service includes program guide listings, Search by Name functionality, Season Passes, TiVolution Magazine, Network Showcases, software updates, and more. Initially, you will receive the TiVo Service for a short grace period. If you haven't activated the service by the end of the grace period, your PTV Recorder will have limited functionality. Activate today! Don't miss a single day of personal TV.

From this **Congratulations!** screen, press the TiVo button on your PTV Remote Control to go to **TiVo Central** and begin to enjoy TiVo Personal Television.

Go to page 45 for instructions on programming your PTV Remote Control to control your TV power, volume, and mute.

For help in getting started with TiVo Personal Television, refer to your *TiVo Viewer's Guide*.

Programming the PTV Remote Control

You can set your PTV Remote Control to control your TV's power, muting and volume by using the "PTV Remote Setup" option on the **Messages & Setup** screen. Or you can set your PTV Remote Control to control the volume on your stereo if you have it connected to your TV.

Once you've followed these steps to tell your PTV Remote Control how to control your TV, you'll be able to put away your TV's remote and use the PTV Remote Control from now on. You'll only need your VCR's remote for watching videotapes.

Follow these steps to set up your PTV Remote Control.

1 Start at TiVo Central.

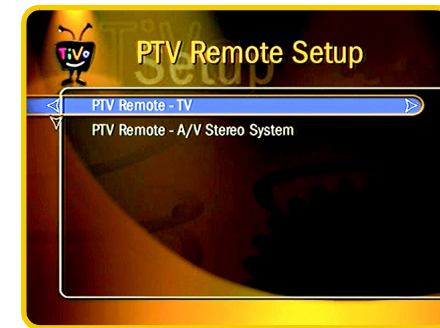
Press the TiVo button to go to TiVo Central.

2 Navigate to PTV Remote - TV.

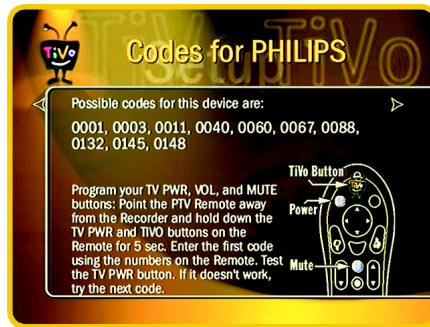
Choose "Messages & Setup", then "PTV Remote Setup", then "PTV Remote - TV".

3 Identify your TV.

Use CHAN UP/DOWN button to scroll down the list of TV brands page by page, choose your TV brand from the list, and press SELECT. If you have been using a TV remote control other than the one that came with your TV, select your TV brand, not the brand of the remote.



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If you have your stereo hooked up to your TV, you can program the PTV Remote Control's volume and mute buttons to send signals to your stereo rather than to your TV. Go to Messages & Setup, then PTV Remote Setup, then PTV Remote - TV. Press the TiVo and VOL buttons to illuminate the LED before you enter the code.

4 Enter the Remote Control Code

When you select your TV brand, you will see a screen with one or more four-digit codes for your TV.

- Cover the end of the PTV Remote Control with your hand to shield the IR Emitter.
- On the PTV Remote Control, press and hold the TiVo and TV POWER buttons simultaneously for about three seconds, until the remote's LED illuminates. Release the buttons and the LED will remain illuminated.
- Use the number keys on your PTV Remote Control to enter the four-digit code you want to test (start with the first code in the list on the screen).
- After pressing the fourth digit of the code, the LED will flash three times, indicating that you entered a valid code.
- Test the code by pointing your PTV Remote Control in the direction of the TV and pressing the TV Pwr button. If this turns the TV off, you have found the correct code. Now you can use the PTV Remote Control to turn your TV on and off, control volume, change channels and mute the sound.

If the remote could not turn your TV off, try the next code listed for your TV.

- If none of the codes listed for your TV pass the test, you can do a code search. The PTV Remote Control has hundreds of available codes—the correct one for your TV might be available, but not listed on the screen for your TV brand. Hold down the TiVo and power button, then enter code 0999. Point the PTV Remote Control at the TV, press CHAN DOWN, and see if the TV goes off. Continue to cycle through each code (remember there are hundreds) by pressing CHAN DOWN repeatedly but slowly enough to allow the code to turn off the TV. When the TV does turn off, press ENTER to select this code. Now

the PTV Remote Control is properly coded to control your TV. (If the red LED goes off, you have reached the end of the available codes.)

Assigning PTV Remote Controls

If you have multiple PTV Recorders (and PTV Remote Controls), you can associate each remote to a specific PTV Recorder. Why do this? You might wish to limit control of a PTV Recorder to a single remote. For example, you could make one remote available to the kids for their PTV Recorder, and not allow it to change your personal-use PTV Recorder. If you don't take these steps, any of your PTV Remote Controls can control any of your PTV Recorders.

1 Cover the IR window for the second PTV Recorder.

2 Put the first PTV Remote Control in a special assignment mode.

- Point the first PTV Remote Control at the first PTV Recorder and press the TiVo button.
- Choose “Messages and Setup,” then “System Information.” Press the DOWN arrow until you see the item “Remote Address.”
- When the **Messages and Setup** screen is displayed, cover the end of the PTV Remote Control with your hand to shield the IR Emitter.
- On the PTV Remote Control, press and hold the TiVo and Pause buttons simultaneously for about three seconds, until the remote's LED illuminates.
- Release the buttons and the LED remains illuminated.

3 Assign the PTV Remote Control to the PTV Recorder.

- Hold the PTV Remote Control so that the TiVo button points toward the PTV Recorder.



By default, all PTV Recorders and PTV Remote Controls are set to 0. A PTV Remote Control set to 0 will control any PTV Recorder, even one with an assigned code. An PTV Recorder set to 0 will respond to any PTV Remote Control, even one with an assigned code. This prevents you from becoming accidentally “locked out” of controlling your PTV Recorders.

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- Use the number keys on the PTV Remote Control to enter any number between 1 and 9. This sets the code for this PTV Remote Control. Now press the RIGHT arrow. This sets the same code on the PTV Recorder. You will see the “Remote Address” updated on the screen. Now this PTV Remote Control will control only this PTV Recorder.

4 Assign the next PTV Remote Control to another PTV Recorder.

Repeat steps 1, 2 and 3 for the second PTV Recorder and second PTV Remote Control, and be sure to assign a unique number.