

**SONY**<sup>®</sup>

3-078-316-01

# ***Digital Network Recorder***

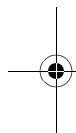
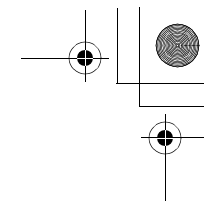
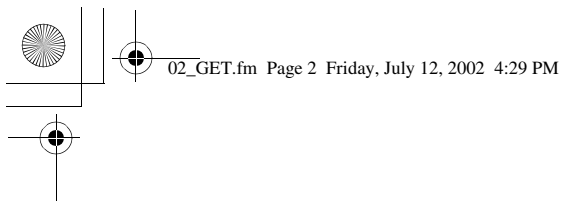
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## ***Installation Guide***

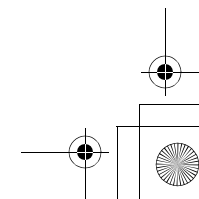
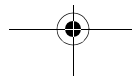
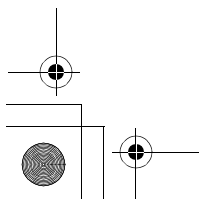
*Please use this manual first*

***SVR-3000***

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**WARNING**

To reduce the risk of fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of significant magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**Note to the CATV Installer**

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

**Attention****Telephone Line Interruption**

Periodically, the SVR Recorder dials in to the TiVo Personal TV Service, via your telephone line using a toll free or local number. If you pick up your telephone during the time information is being transferred, you will hear static noise. If you would like to use your telephone while the information is being transferred you can hang up and pick up your telephone again. The SVR Recorder will disconnect and allow you to place your call. You can also interrupt the transfer at any time by temporarily unplugging the phone line from the receiver.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

The SVR Recorder is intended for use only within the United States.

**Caution**

To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

**Owner's Record**

The model and serial numbers are located on the back of the SVR Recorder. Record these numbers in the space provided below. Refer to these numbers whenever you need to call your sales or service representative regarding this product.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

TiVo Service Number: 110-\_\_\_\_\_

**Customer Support****For Hardware and Installation**

To arrange for the installation of your SVR Recorder, call the dealer from whom you purchased your system.

For general information, or to resolve problems related to the operation of your SVR Recorder, please contact your Sony dealer or visit Sony website at <http://www.sony.com/service>. If your dealer or installer is unable to answer your questions, call the Sony Direct Response Center at 1-877-585-SONY (7669) or <http://www.sel.sony.com/service>.

**TiVo Service and Activation**

To use most of the features of your SVR Recorder, you will need to activate the TiVo Service. You can activate the TiVo Service on the web at <http://www.tivo.com/activate>, or by calling TiVo Customer Care at 1-877-367-8486). TiVo Customer Care can also help you if you have questions about your channel lineup, program guide data, or on screen messages.

**Macrovision Information**

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology is granted by Macrovision for home and other limited pay per view uses only. Reverse engineering or disassembly is prohibited.

**Note on Recording Programming**

Programming may be recorded for home viewing only. All other recording is expressly prohibited. Some programming may not be recorded. An additional recording fee may be applied. Call your program providers for details.

## 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 resistors, 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 lighting 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.

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- 15** Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- 16** Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- 17** Do not use the telephone to report a gas leak in the vicinity of the leak.
- 18** Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

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### About This Installation Guide

This Installation Guide is part of the complete documentation for your SVR Recorder. This Installation Guide describes how to connect the SVR Recorder and activate the TiVo Service. The Start Here poster provides an easy to read summary of this Installation Guide. The TiVo Viewer's Guide provides detailed information about how to use your TiVo Service, and how to use the different features of this product.

The TiVo Viewer's Guide and this Installation Guide contain some sections with the same name, such as the Troubleshooting section, and similar or related information. These sections are in fact different, but do relate to each other. You will find information regarding connections and activating the TiVo Service in this Installation Guide. You will find information about the different features of the SVR Recorder, and using the TiVo Service, in the TiVo Viewer's Guide.

A **Note** provides information that may be necessary to complete the task.

## Getting Started

## Getting Started

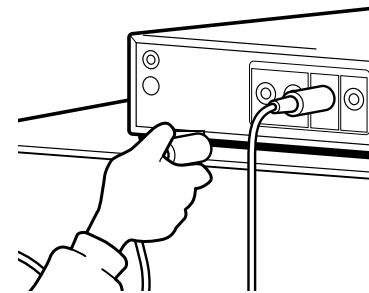
# Overview

Your SVR Recorder comes complete with everything you need to enjoy and enhance your television viewing experience.

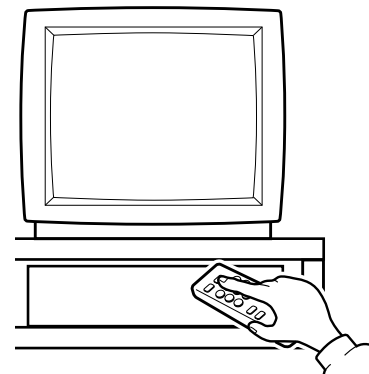
You'll need to have a standard phone line (analog) for the SVR Recorder to use. You do not need to install a new phone jack or phone number for the SVR Recorder to work. However, the SVR Recorder should always be connected to your phone line.

You can find detailed instructions for connecting your SVR Recorder on the Start Here poster and in "Connecting Your Equipment" on page 15.

## 1 Connect Your SVR Recorder.



## 2 Complete Guided Setup, and activate your TiVo Service.



### Note

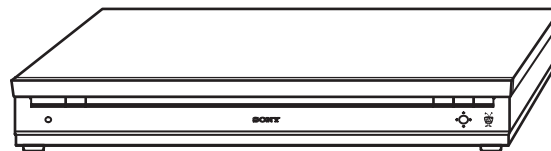
This Installation Guide describes how to connect the SVR Recorder and activate the TiVo Service.

The Start Here poster provides an easy to read summary of this Installation Guide. The TiVo Viewer's Guide provides detailed information about how to use your TiVo Service.

## Carton Contents

Check your carton to make sure all of the following items are included. If you are missing any items, contact your Sony dealer.

SVR Recorder



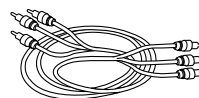
Remote Control



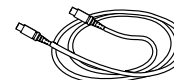
Size AA (R6)  
batteries



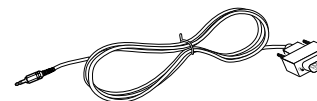
Audio/Video cables



S-Video cable



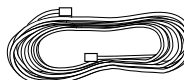
Serial Control cable



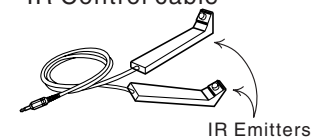
Phone splitter



Phone cord



IR Control cable



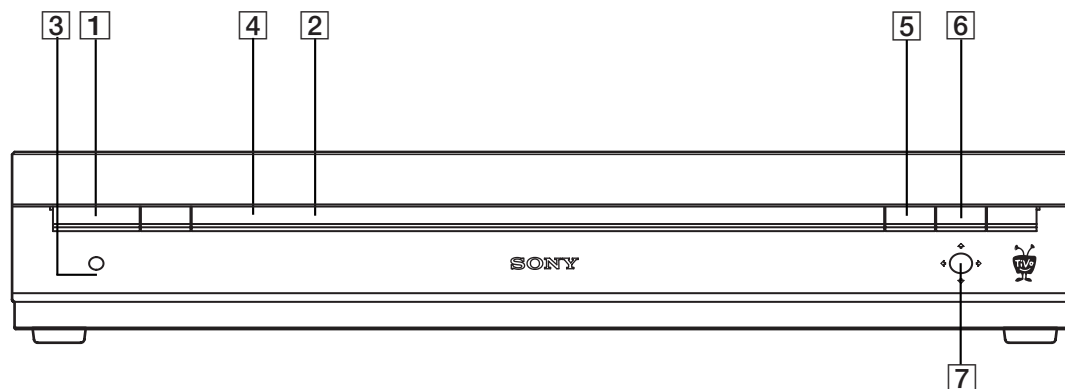
### Notes

- Your SVR Recorder comes with 25 feet of phone cord for you to use to connect to your nearest phone jack. You don't need a dedicated phone line (your SVR Recorder only needs to share the phone line for five to ten minutes a day), but you may wish to consider installing a jack nearby.
- Your SVR Recorder cannot be used with any digital phone system. Doing so will damage your SVR Recorder and void your warranty.



# Parts, Controls, and Functions

## Front Panel

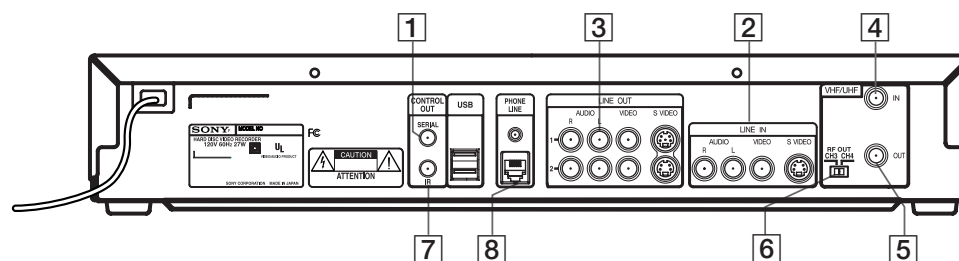


Getting Started

- 1 Power button/LED**  
Green indicates that the SVR Recorder is powered on.
- 2 Connecting LED**  
Amber indicates that the SVR recorder is connecting to the telephone line.
- 3 Remote Control Signal Reception Window**  
Receives control signals from your Remote Control.
- 4 Recording LED**  
Red indicates that the SVR Recorder is recording a program.  
Yellow indicates that the SVR Recorder is currently using the telephone line to call the TiVo Service.  
The LED may appear orange if the unit is both recording a program and using the telephone line.
- 5 LIVE TV/GUIDE button**  
Switches between live TV and program guide.
- 6 SELECT buttons**  
Select (chooses) the currently highlighted item in a menu.
- 7 Navigation arrows**  
Moves the highlighted area or cursor left, right, up, or down.

## Back Panel

This section provides a brief explanation of the jacks and switch on the back panel and where they are located. You can find detailed information about each jack and switch, and how it is used, on the page number indicated in parentheses.



### 1 Cntrl (control) Out Serial jack

Connect to your satellite set-top box so the SVR Recorder can change channels on your satellite set-top box (see page 35).

### 2 A/V Input jacks

- Connect the right (red) and left (white) jacks to the cable box or satellite receiver audio output jacks of the same color (see page 36).
- Connect the composite video (yellow) jack to the cable box or satellite receiver composite video output (see page 36).
- Connect the S-Video jack to the cable box or satellite receiver S-Video output jack if available. This connection provides a better picture than the composite video connection (see page 37).

### 3 A/V Output jacks

- Connect the right (red) and left (white) jacks to the TV, VCR and/or audio system audio input jacks of the same color (two sets available) (see page 37).
- Connect the composite video (yellow) jack to the TV and/or VCR composite video input (two jacks available) (see page 37).
- Connect the S-Video jack to the TV S-Video input jack if available. This connection provides a better picture than the composite video connection (see page 37).

### 4 RF In

Connect to your off-air antenna or cable service if you do not have a digital satellite receiver or cable box so the SVR Recorder can receive sound and pictures (see page 38).

### 5 RF Out

Connect to your TV if your TV does not have A/V inputs so you can view sound and pictures (see page 38).

### 6 Ch 314 switch

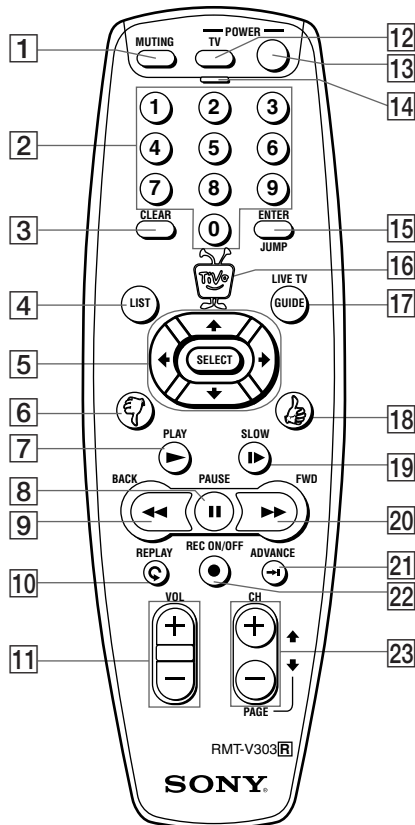
Set to the channel that does not broadcast a station in your area. Tune your TV to this channel to view sound and pictures from the SVR Recorder if you connected your TV using RF Out (see page 38).

### 7 Cntrl (control) Out IR jack

Connect to your satellite or cable set-top box so the SVR Recorder can change channels on your satellite or cable set-top box (see page 35).

### 8 Phone Line jack

Connect to your phone line so the SVR Recorder can receive program and other information from the TiVo Service (see page 35).



## Remote Control

Use the Remote Control to complete Guided Setup and activate your TiVo Service. For complete instructions on how to use the Remote Control, refer to the TiVo Viewer's Guide.

- 1 MUTING button**  
Mutes the sound of your TV. See "Programming Your Remote Control" on page 41 to set up the Remote Control to operate your TV.
- 2 Number keys**  
Enter numbers for changing channels and entering setup information.
- 3 CLEAR button**  
Closes the Program Banner and Status Bar, and clears the text characters you enter in any text entry box.
- 4 LIST button**  
Opens the "Now Playing List" of recorded programs.
- 5 Navigation arrows and SELECT buttons**  
Moves the highlighted area or cursor left, right, up, or down, and chooses (selects) the currently highlighted item in a menu.
- 6 Thumbs Down button**  
Use to indicate that you don't like a program. You can apply up to three thumbs down for any program.
- 7 PLAY button**  
Plays a program at normal speed.
- 8 PAUSE button**  
Pauses playback. Once in pause mode, you can use the BACK and FWD (forward) buttons to reverse or advance frame-by-frame.
- 9 BACK button**  
Plays a program in reverse fast search mode. Shows a program in reverse frame-by-frame when in pause mode.
- 10 (Instant) REPLAY button**  
Replays the previous eight seconds of the current program.
- 11 VOL (volume) +/- buttons**  
Controls the volume of your TV. See "Programming Your Remote Control" on page 51 to set up the Remote Control to operate your TV or audio system.

**12 TV POWER button**

Turns your TV or audio system on and off. See “Programming Your Remote Control” on page 41 to set up the Remote Control to operate your TV.

**13 (Stand-by) POWER button**

Puts your SVR Recorder into and out of stand-by mode. When in stand-by mode, the unit can record selected and suggested programs and connect to the TiVo Service as needed.

**14 Remote Active LED**

Flashes while the Remote Control is transmitting signals or being programmed.

**15 ENTER/JUMP button**

Sets the currently entered number as the channel to watch, or jumps back to the previously set channel.

**16 TiVo button**

Opens TiVo Central, which provides access to features and options.

**17 LIVE TV/GUIDE button**

Switches between live TV and program guide.

**18 Thumbs Up button**

Use to indicate that you like a program. You can apply up to three thumbs up for any program.

**19 SLOW button**

Plays a program in slow speed.

**20 FWD (forward) button**

Plays a program in fast search mode. Shows a program frame-by-frame when in pause mode.

**21 ADVANCE button**

Advances the viewing of a program either to the end of a recorded program or to the current time in LIVE TV.

**22 REC (record) ON/OFF button**

Starts or stops recording of the current program.

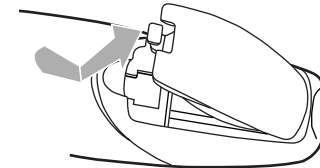
**23 CH (channel) +/- or PAGE buttons**

Changes the SVR Recorder's program channel shown on your TV. Also pages up and down in channel and program listing guides.

## Installing Batteries

Before you can use the Remote Control, you must insert the supplied batteries. If you want to use this Remote Control to operate other audio/video equipment, such as a TV or stereo, you must program the Remote Control (see page 41).

### 1 Pull the latch and lift the cover to open the battery compartment.

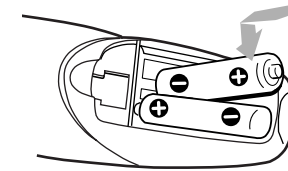


#### Notes

- When the batteries become weak, the Remote Active LED flashes. If the Remote Control does not work properly, the batteries may be weak.
- When replacing batteries, replace both batteries with new ones. Do not mix different types of batteries together.
- When you remove the batteries, any manufacturer codes you've programmed may be erased. To program the Remote Control again, see "Programming Your Remote Control" on page 41.

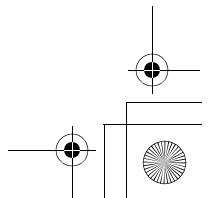
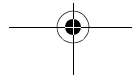
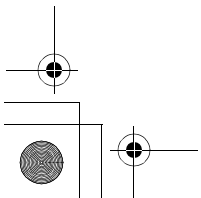
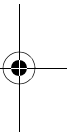
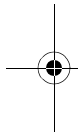
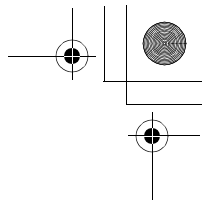
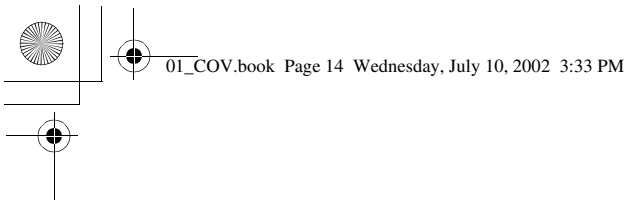
### 2 Insert two size AA batteries (supplied).

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



### 3 Close the cover.

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



## Connecting Your Equipment

### Note

Your SVR Recorder is not designed for carrying heavy loads such as a TV. Structurally, the SVR Recorder is only capable of supporting the weight of one or two common consumer components such as VCRs, DVD players or A/V Receivers (provided they have four good, broad, padded feet for distribution of the weight near the corners of the SVR Recorder).

## Connection Examples

This section provides examples showing how to connect the SVR Recorder to your existing antenna, cable, satellite, or audio-visual system. Choose the example closest to your configuration and follow the steps in that section.

**Example 1:** Antenna or cable, with a VCR, and splitting the signal (see page 16)

**Example 2:** Antenna or cable, with a VCR (see page 18)

**Example 3:** Antenna or cable, without a VCR (see page 20)

**Example 4:** Satellite set-top box with serial connection, and a VCR, using S-Video cables (see page 22)

**Example 5:** Satellite set-top box with IR input, and a VCR, using S-Video cables (see page 24)

**Example 6:** Satellite or cable box with IR input, and a VCR, using RF cables (see page 26)

**Example 7:** Satellite and antenna or cable, with a VCR (see page 28)

**Example 8:** Satellite and cable with boxes, with a VCR (see page 30)

If you have trouble or if your configuration isn't covered by one of these examples, see "Back Panel Connections Reference" on page 35.

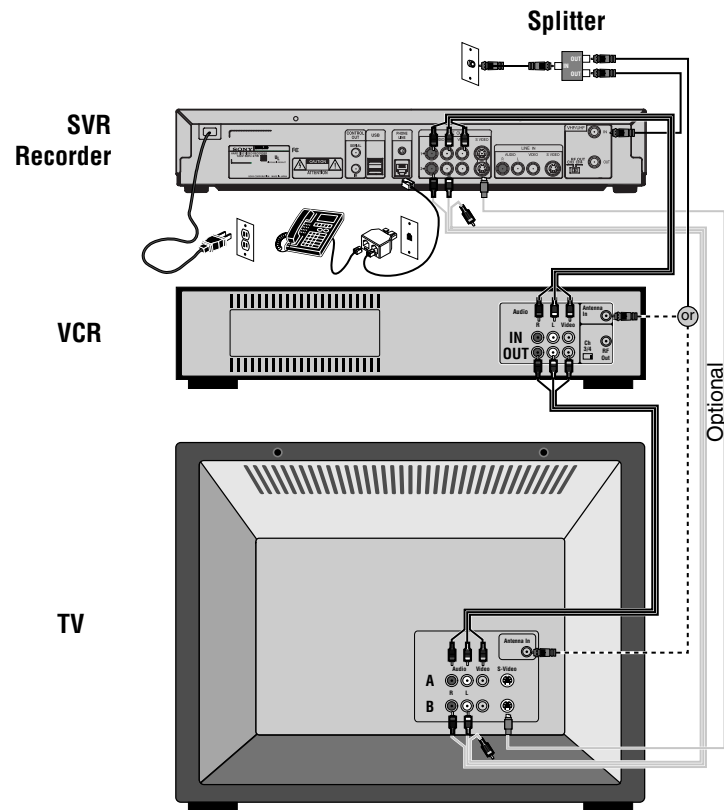
If you have a more advanced system (perhaps including a stereo game system, laser disc player, or switch box), see "General Hints" on page 39.

### Note

If you have cable with a set-top box and if you want to split the signal, use the following procedure.

- 1 Attach the RF splitter to the RF Coaxial cable coming out of the wall, before it connects to the cable box.
- 2 Connect one of the RF Coaxial cables coming from the RF splitter to the RF In jack on the back of your set-top box.
- 3 Connect the set-top box's RF Out jack to the SVR Recorder's RF In jack using an RF Coaxial cable. This will let the SVR Recorder record your premium channels normally.
- 4 Attach the other RF Coaxial cable coming from the RF splitter to your TV or VCR's RF In. You won't be able to watch premium channels with this connection, but other channels will work fine if your TV or VCR is cable-ready (which most are).

### Example 1: Antenna or cable, with a VCR, and splitting the signal





## Notes

- **Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.**
- **If your TV has only one audio jack instead of two, connect just the white audio cable, and leave the red audio cable disconnected.**

Use this example if you have an antenna or cable without a set-top box, you have a VCR, and you want to split your signal to watch one program while you record another. **You'll need to purchase an RF signal splitter or switch box and at least two extra RF cables at your local electronics store.**

## 1 Connect the program source cable to the SVR Recorder using the splitter.

The program source cable is the cable that your cable company installed, or the one that's connected to your antenna.

If your TV or VCR can accept multiple inputs, use an RF signal splitter. Once connected, you can switch between watching your SVR Recorder and watching your VCR or TV by changing the "Input" or "Source" on your TV using the appropriate button on your TV's remote.

Attach your existing program source cable to the Input section of the RF splitter. Then connect the splitter to the RF In jack on the back of the SVR Recorder using an RF Coaxial cable.

## 2 Connect the other splitter output to your TV.

Use another RF Coaxial cable to connect the other output of the splitter directly to your TV.

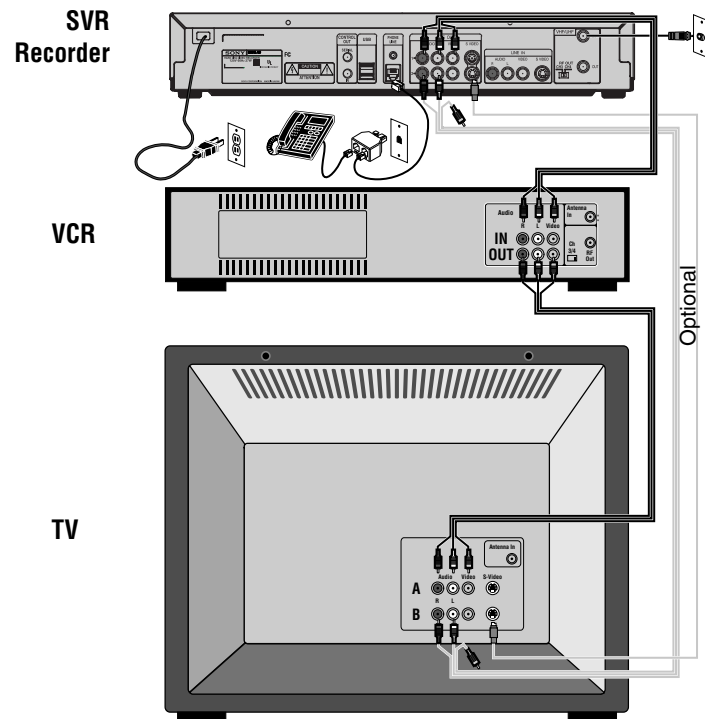
Once connected, you can switch between watching TiVo and watching TV in bypass mode using your TV's "Input", "Source", or "TV/Video" button (on either your TV or the TV's remote).

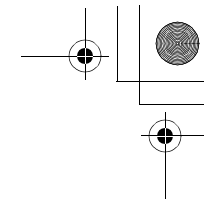
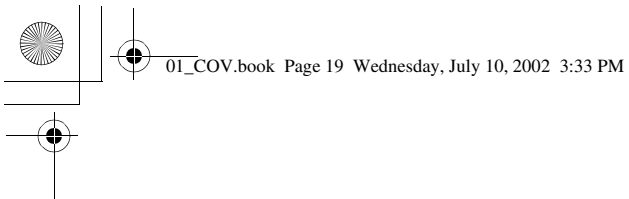
## 3 Continue.

Now continue with step 3 on page 32.

**Note**

Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.

**Example 2: Antenna or cable, with a VCR**



Use this example if you have an antenna or cable without a cable box, and you have a VCR, and you do not need to split your signal in order to watch one program while you record another.

## 1 Find your program source cable.

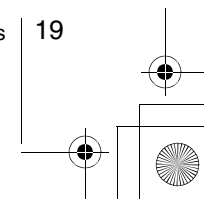
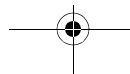
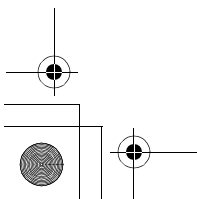
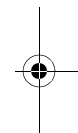
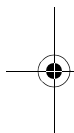
The program source cable is the cable that your cable company installed, or the one that's connected to your antenna. This cable is probably already hooked up to your VCR or TV; if so, disconnect it.

## 2 Connect your program source cable to the RF In jack on the back of the SVR Recorder.

## 3 Continue.

Now continue with step 3 on page 32.

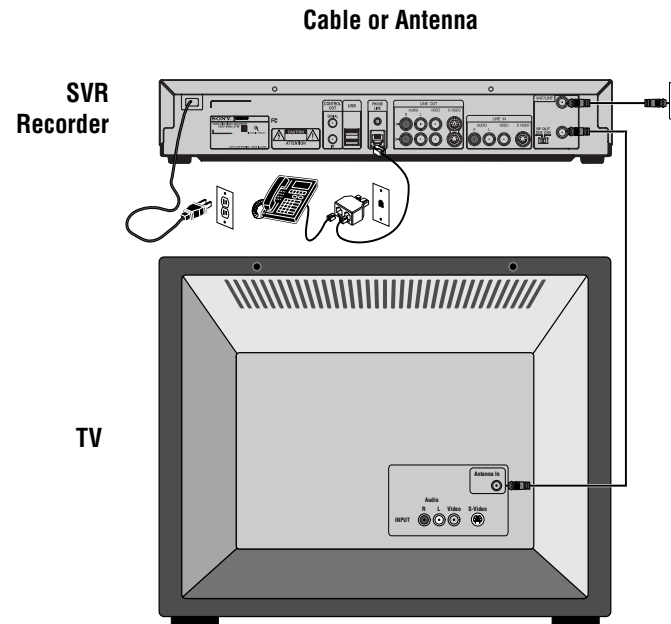
Connecting Your  
Equipment



## Note

Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.

## Example 3: Antenna or cable, without a VCR



Use this example if you have an antenna or cable without a cable box, or you do not have a VCR.

### 1 Find your program source cable.

The program source cable is the cable that your cable company installed, or the one that's connected to your antenna. This cable is probably already hooked up to your VCR or TV; if so, disconnect it.

### 2 Connect your program source cable to the RF In jack on the back of the SVR Recorder.

### 3 Connect the SVR Recorder to your TV.

If your TV has a composite video input, connect an Audio/Video cable from the SVR Recorder Output to your TV's Input. If not, connect the RF coaxial cable (supplied) from the RF Out jack on the back of the SVR Recorder to RF In on the back of your TV.

### 4 Continue.

Now continue with step 4 on page 34.

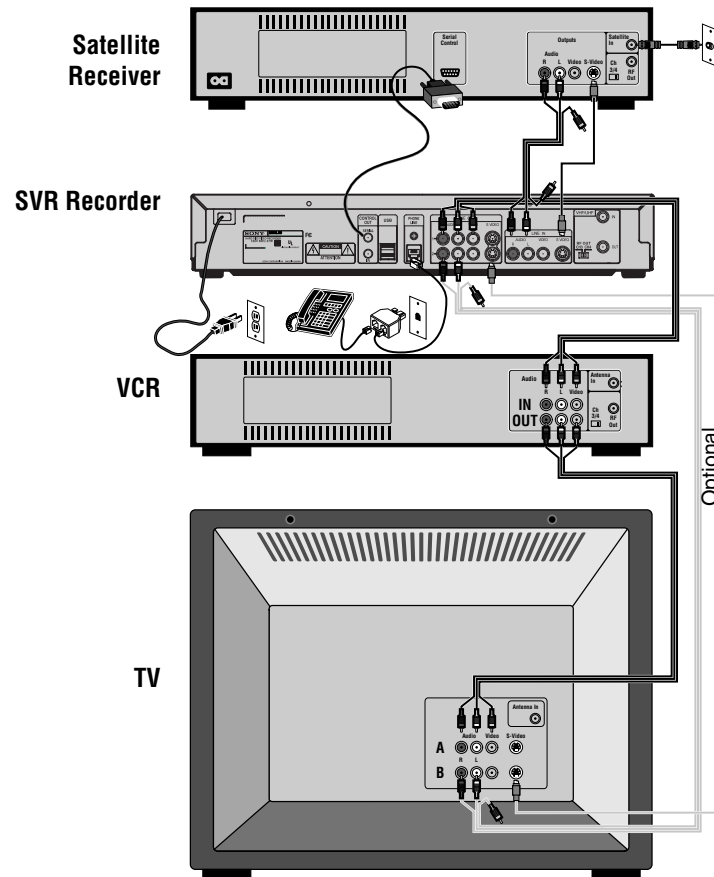
## Notes

- Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.
- You may need to use the serial adapter (not included) or the RCA Home Control Cable (not included) to connect to your set-top box's Serial Control jack. If you have a Serial Control jack that doesn't work with any of the adapters, use the Cntrl Out IR jack and the IR Control cable instead.



\* Some RCA or Sony satellite receivers have a Home Control Cable connector. (similar to phone jack, but larger).

## Example 4: Satellite set-top box with serial connection, and a VCR, using S-Video cables



**Note**

**A serial connection works better than IR, so use serial when possible.**

Use this example if you have a satellite set-top box with a serial connection, and your satellite set-top box uses S-video cables.

**1 Connect the SVR Recorder to your satellite set-top box.**

Connect one end of the Serial Control cable (supplied) to the Cntrl Out Serial In jack on the back of the SVR Recorder.

Your satellite set-top box may have two jacks that look like Serial Control jacks. If so, use the one labeled “low speed data.” You may need to use the 9 to 25 pin serial adapter to match your jacks, or the RCA Home Control cable (for some RCA boxes).

**2 Connect your program source/video input to the SVR Recorder.**

Disconnect any cables that you have connecting your satellite set-top box to your VCR and/or TV. Use the S-Video cable (supplied) to connect the S-Video Out of your satellite set-top box to the S-Video input on the back of the SVR Recorder. You must also use the left (white) and right (red) Audio/Video cables to connect the Audio Out on your satellite set-top box to Audio In on the back of the SVR Recorder, as illustrated here.

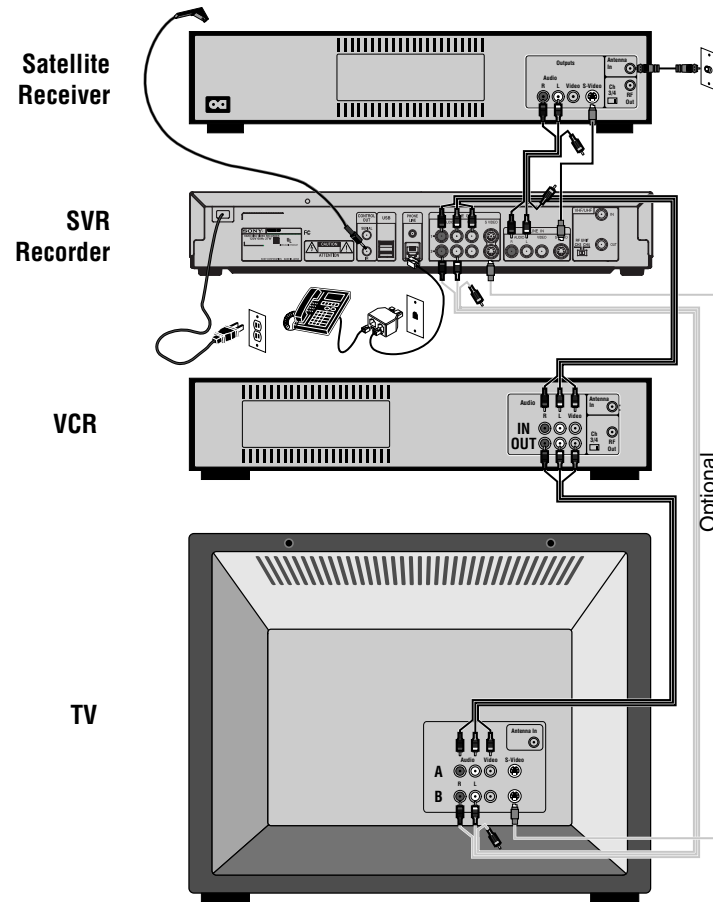
**3 Continue.**

Now continue with step 3 on page 32.

## Notes

- Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.
- You may need to purchase a second S-Video cable if one wasn't supplied with your satellite set-top box or VCR.
- Since your TV source comes from a box that can only display one channel at a time, it's not possible for you to split your signal and watch one channel on your TV while the SVR Recorder records a different channel.

## Example 5: Satellite set-top box with IR input, and a VCR, using S-Video cables





Use this example if you have a satellite set-top box and VCR, no Serial Control jack, and your satellite set-top box uses S-Video cables.

## 1 Connect the SVR Recorder to your satellite box.

Since you use a satellite set-top box to receive your television signal, the SVR Recorder needs to be able to change channels on your box in order to record shows and display live TV.

Connect the SVR Recorder to the infrared (IR) receiver of your satellite set-top box using the IR Control cable (supplied). Start by plugging the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. Next, locate the IR receiver on your satellite set-top box – it's usually a small dark red window or button on the front of the box.

Place the IR Emitter (from the IR Control cable) on top of the satellite set-top box, sticking out slightly. The IR Emitter has an adhesive strip so you can adhere it to the set-top box. If it is not possible to stick the IR Emitter directly onto the window, place it in front of or as close as possible to the window.

## 2 Connect your program source/video input to the SVR Recorder.

Disconnect any cables that you have connecting your satellite set-top box to your VCR and/or TV. Use the S-Video cable (supplied) to connect the S-Video Out of your satellite set-top box to the S-Video input on the back of the SVR Recorder. You must also use the left (white) and right (red) Audio/Video cables to connect the Audio Out on your satellite set-top box to the Audio In on the back of the SVR Recorder, as illustrated here.

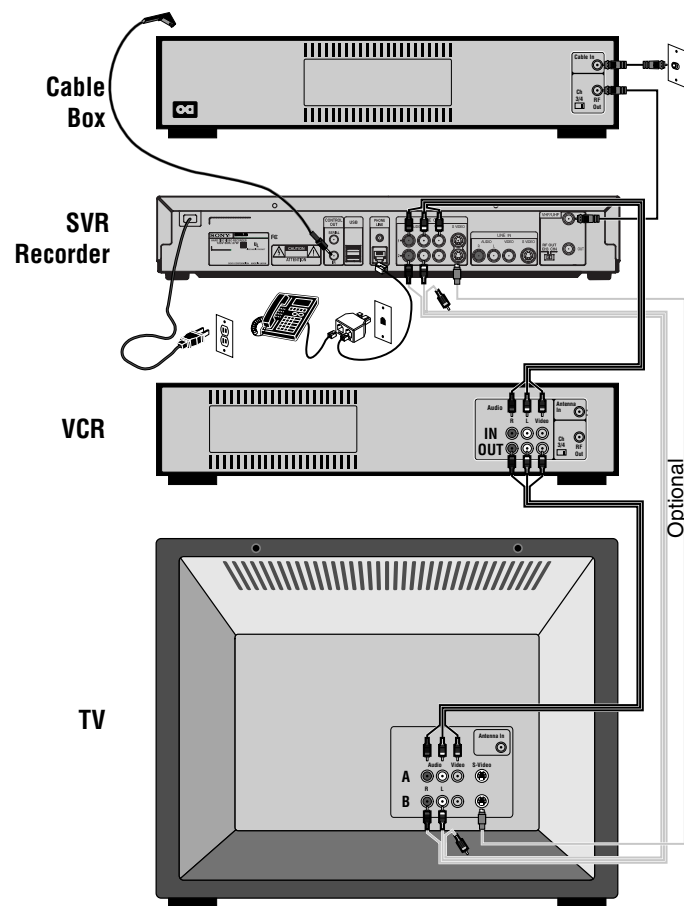
## 3 Continue.

Now continue with step 3 on page 32.

## Notes

- Make sure all of your TV equipment is turned off, including unplugging your SVR Recorder.
- Most satellite set-top boxes have S-Video out or Composite out jacks. Check the back of your satellite set-top box carefully; if there are jacks other than RF Out, follow the steps in Example 4 on page 22.
- If you have a cable set-top box that you are only using because your TV and VCR are not cable-ready, and you don't watch premium channels, then you don't need your cable set-top box any more. The SVR Recorder is cable-ready. Follow Example 2 on page 18.

## Example 6: Satellite or cable box with IR input, and a VCR, using RF cables



Use this example if you have a cable or satellite set-top box, the satellite box has no serial input jack, and the cable or satellite box has no Composite Video and L/R audio output jacks.

## 1 Connect the SVR Recorder to your cable or satellite box.

Since you use a cable set-top box or satellite set-top box to receive your television signal, the SVR Recorder needs to be able to change channels on your box in order to record shows and display live TV.

Connect the SVR Recorder to the infrared (IR) receiver of your box using the IR Control cable (supplied). Start by plugging the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. Next, locate the IR receiver on your box – it's a small dark red window or button on the box's front.

Place the IR Emitter (from the IR Control cable) on top of your set-top box, sticking out slightly. The IR Emitter has an adhesive strip so you can adhere it to the set-top box. Position the IR Emitter in front of or as close as possible to the window.

## 2 Connect your program source to the SVR Recorder.

Find the RF coaxial cable coming from the RF Out jack of your satellite box or cable set-top box. This cable is probably already hooked up to your VCR or TV; if so, disconnect it. Now connect this cable to the RF In jack on the back of the SVR Recorder.

## 3 Continue.

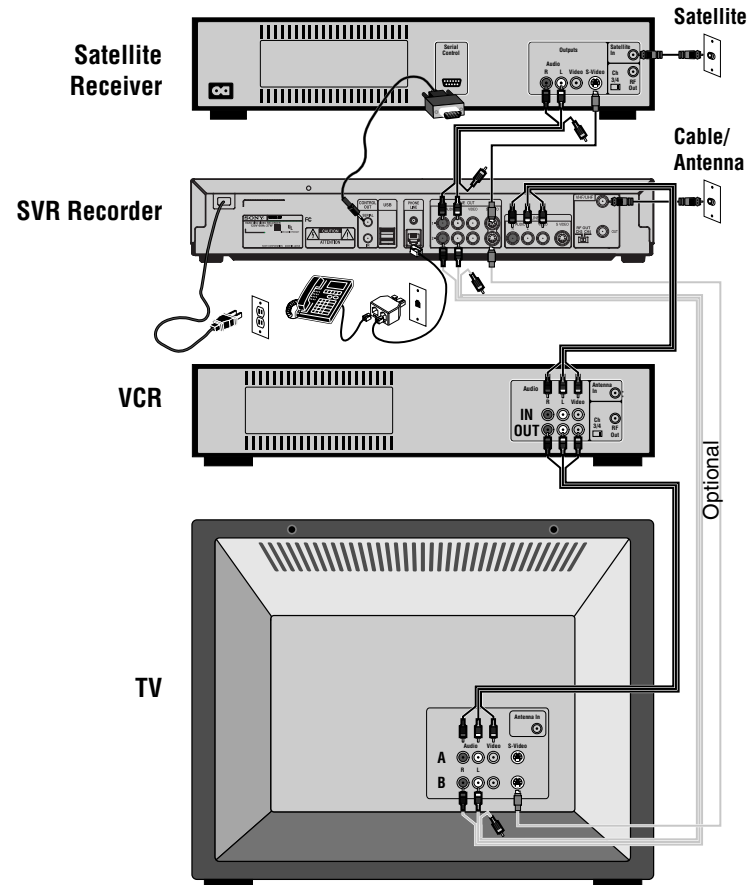
Now continue with step 3 on page 32.

## Notes

- Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.
- You may need to use the Serial adapter (not included) or the RCA Home Control cable (not included) to connect to your set-top box's Serial Control jack. If you have a Serial Control jack that doesn't work with any of the adapters, use the IR jack and the IR Control cable instead.



## Example 7: Satellite and antenna or cable, with a VCR



## Notes

- Since you use a satellite set-top box to receive your television signal, the SVR Recorder needs to be able to change channels on your box in order to record shows and display live TV.
- A serial connection works better than IR, so use serial if possible.
- If your satellite set-top box has two jacks that look like Serial Control jacks, use the one labeled "low speed data." You may need to use the 9 to 25 pin serial adapter to match your box.

Use this example if you have a satellite set-top box and either an antenna or cable (with no cable box), and a VCR.

## 1 Connect the SVR Recorder to your satellite box.

**Serial Connection** - If your satellite set-top box has a Serial In jack, you can connect the SVR Recorder to your box using the Serial Control cable (supplied). Otherwise, use the IR connection.

**IR Connection** - Start by plugging the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder.

Next, locate the IR receiver on your satellite set-top box – it's usually a small dark red window or button on the front of the box. Place the IR Emitter (from the IR Control cable) on top of the satellite set-top box, sticking out slightly. The IR Emitter has an adhesive strip so you can adhere it to the set-top box. If it is not possible to stick the IR Emitter directly onto the window, place the it in front of or as close as possible to the window.

## 2 Connect your program source/video input to the SVR Recorder.

- Disconnect any satellite or antenna/cable connections to your VCR and/or TV. Connect the satellite box to the input of the SVR Recorder using the S-Video cable (preferred) and the left (white) and right (red) Audio/Video cables. If you don't have an S-Video output, use the Yellow Composite Video cable instead.
- Connect your coaxial antenna or cable to the RF In jack on the back of the SVR Recorder.

## 3 Continue.

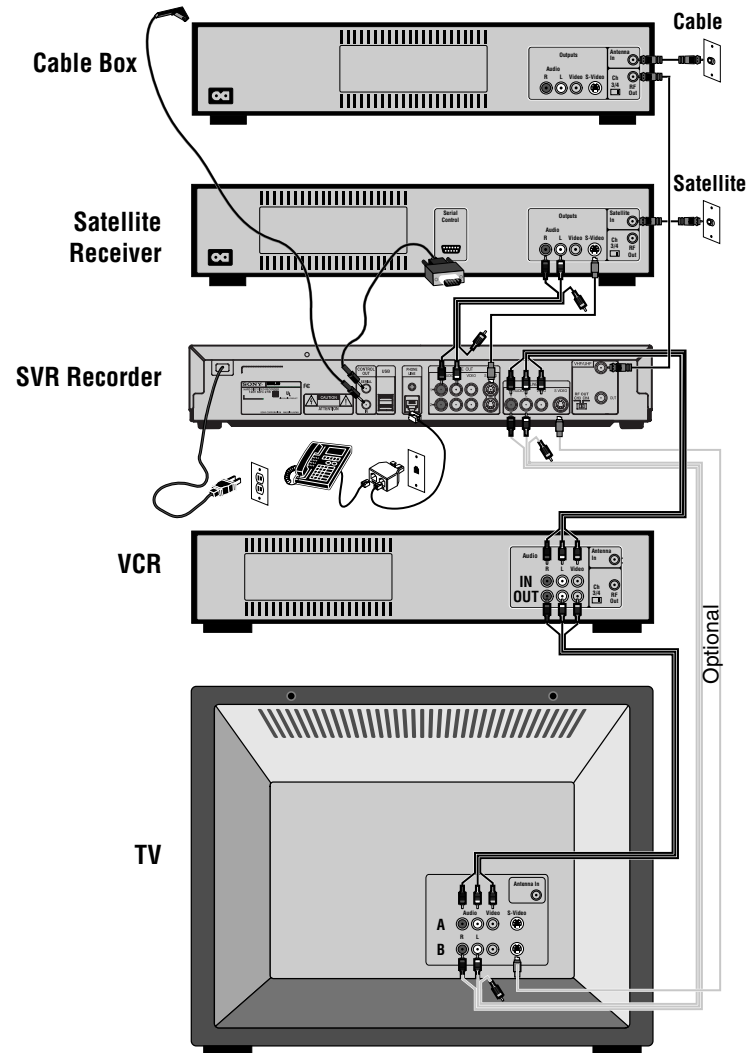
Now continue with step 3 on page 32.

## Notes

- Make sure that all of your TV equipment is turned off, including unplugging your SVR Recorder.
- You may need to use the Serial adapter (not included) or the RCA Home Control cable (not included) to connect to your set-top box's Serial Control jack. If you have a Serial Control jack that doesn't work with any of the adapters, use the IR jack and the IR Control cable instead.



## Example 8: Satellite and cable with boxes, with a VCR



## Notes

- Since you use both a satellite and cable set-top box to receive your television signal, the SVR Recorder needs to be able to change channels on both of your set-top boxes in order to record shows and display live TV.
- If your satellite set-top box doesn't include a Serial In jack, then place the other end of the IR Control cable with the second IR Emitter on top of your satellite receiver, in front and as close as possible to the IR window.

Use this example if you have both a satellite set-top box and a cable set-top box.

## 1 Connect the SVR Recorder to your satellite box and your cable box.

**Serial Connection** - If your satellite set-top box has a Serial In jack, connect the SVR Recorder to it using the Serial Control cable (supplied). If your satellite set-top box has two jacks that look like Serial Control jacks, use the one labeled "low speed data." You may need to use the 9 to 25 pin Serial adapter to match your box.

**IR Connection** - Plug the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. Next, locate the IR receiver on your cable box – it's usually a small dark red window or button on the front of the box. Place the IR Emitter (from the IR Control cable) in front of the IR receiver, sticking out slightly. The IR Emitter has an adhesive strip so you can adhere it to the box. If it is not possible to stick the IR Emitter directly in front of the window, place it as close to the window as possible.

## 2 Connect your program source/video input to the SVR Recorder.

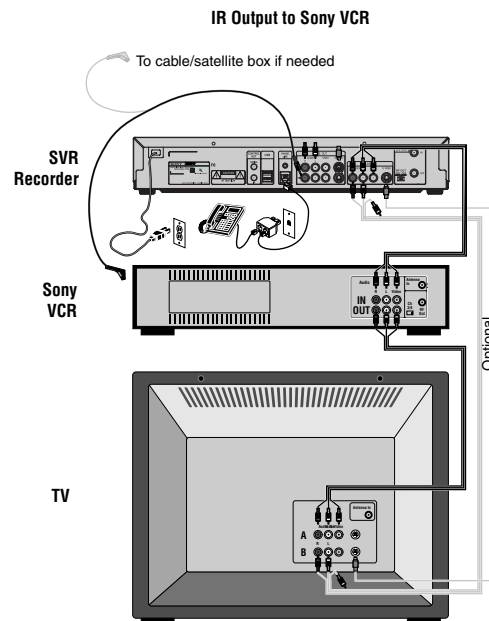
- Disconnect any satellite or cable connections to your VCR and/or TV.
- Connect the satellite box to the input of the SVR Recorder using the S-Video cable (preferred) and the left (white) and right (red) Audio/Video cables. If you don't have an S-Video output, use the Yellow Audio/Video cable instead.
- Connect your cable set-top box to the RF In jack on the back of the SVR Recorder using the RF Coaxial cable (supplied).

## 3 Continue.

Now continue with step 3 on page 32.

**Note**

Your VCR is probably already hooked up to your TV. So, once you've connected the SVR Recorder to your VCR, you've also indirectly hooked up the SVR Recorder to your TV. The SVR Recorder will send its signal to your VCR, and in turn your VCR will send the SVR Recorder's signal to your TV.



## Continuing Your Connection Steps

Once you've completed steps 1 and 2 for your particular connection, continue here with step 3.

### 3 Connect the SVR Recorder to your TV and/or VCR.

If you don't have a VCR, skip to step 3c.

#### 3a Video Output to VCR and TV.

First, look at the back of your VCR and see what types of jacks are available. Choose the best you have from the following options, and connect the SVR Recorder output to your VCR input.

- S-Video cable, along with the Left/Right (white and red) Audio cable (best)
- Composite Video (yellow) and Left/Right Audio (white and red) (better)
- RF Out, using the RF Coaxial cable (good)

Next, connect your VCR output to your TV input, again using the best connection available (see Note).

If you are connecting using RF Coaxial cable, you need to select between output on channel 3 or 4 using the Ch 3/4 switch next to the RF Out jack on the back of the SVR Recorder. To get the best picture, select the channel that is not occupied by a local broadcast channel. For example, if there is a local broadcast station on channel 4, select channel 3. You will need to tune your VCR to this channel to receive the SVR Recorder.

Your VCR should also have a switch that controls its channel output. Make sure that both the SVR Recorder and any other equipment are all using the same channel – that is, if the SVR Recorder uses channel 3 for output, you must also set your VCR to use channel 3 for output, and then tune your TV to channel 3 to receive a signal.



## Notes

- **If you have a VCR that has S-Video inputs and outputs, and your TV also has an S-Video input, it's preferable to have the SVR Recorder send its signal to your VCR and have your VCR send its signal to your TV. You won't be able to connect the SVR Recorder directly to your TV since the SVR Recorder only has one S-Video Out jack.**
- **Even if you've connected through your VCR, you may want to directly connect the SVR Recorder to your VCR and TV. For example, if your VCR doesn't have S-Video jacks but your TV has an S-Video Input, you probably will want to connect the SVR Recorder directly to your TV to take advantage of the better picture quality of S-Video cables. Also, if your TV has picture-in-picture capabilities, you could watch a videotape on your VCR while you're watching the SVR Recorder.**
- **If your TV has only one audio jack instead of two, connect just the white audio cable, and leave the red audio cable disconnected.**

## 3b IR Output to VCR - Sony VCRs only.

If you own a Sony VCR, you can use the IR Control cable (supplied) to save programs to a videotape in the VCR using the "Save to my VCR function". (Once connected, refer to your TiVo Viewer's Guide for instructions on how to save programs to your VCR.)

- Plug the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. If you are using a cable or satellite set-top box, you may have already done this.
- Place one IR Emitter (from the IR Control cable) in front of the IR window on the Sony VCR. You can adhere the IR Emitter using its adhesive bottom.

## 3c Video Output directly to TV.

- If you already did step 3a, this step is optional.
- Look at the back of your TV and the SVR Recorder and see what types of jacks are available. Connect the SVR Recorder output to your TV input using the best possible connection from the following options:
  - S-Video cable, along with the Left/Right (white and red) Audio cable (best)
  - Composite Video (yellow) and Left/Right Audio cable (white and red) (better)
  - RF Output, using the black RF Coaxial cable (good)
- If you are connecting using RF Coaxial cable, you need to select between output on channel 3 or 4 using the small switch next to the RF Out jack on the back of the SVR Recorder. To get the best picture, select the channel that is not occupied by a local broadcast channel. For example, if there is a local broadcast station on channel 4, select channel 3. You will need to tune your VCR to this channel to receive the SVR Recorder.



#### 4 Connect the SVR Recorder to your telephone line.

Connect the SVR Recorder to your home telephone line. Use the phone cord (supplied). If you do not have a spare telephone jack for the SVR Recorder, you can plug the phone splitter (supplied) into your telephone jack. Then plug your phone into one of the splitter's jacks and the SVR Recorder into the other.

#### 5 Plug in the SVR Recorder power.

Now you should have everything connected and ready to go. Check all the connections one more time, then turn on your TV equipment. To turn on the SVR Recorder, plug the power cord into the back of the SVR Recorder. After a few moments, you should see TiVo's **Welcome Screen**.

If you do not, you may need to change channels or change which input your TV uses. If you used RF Coaxial cable in step 3, make sure you're viewing the same channel (3 or 4) that you selected. If you're using S-Video or Audio/Video cables, you'll need to change your TV so that it displays the appropriate input. On some TVs, you need to use the "Input" button to switch inputs; other TVs might label this the "Select" or "Video" button. Other TVs require that you keep changing channels until the alternate input is displayed. If you have trouble, double-check your connections and look for help in Additional Information (see pages 45–50).

#### 6 Guided Setup.

Once you see the **Welcome to TiVo!** screen, (see Tivo Viewer's Guide) to set up and activate the TiVo Service.

## Back Panel Connections Reference

This section describes the use of the connection jacks and switch on the back panel of the SVR Recorder. The cables are illustrated on page 8, and the back panel is illustrated on page 10. If your setup doesn't match any of the examples in this section, use this information for general reference.

### Phone Line

Connect the SVR Recorder to your phone line using the telephone cord (supplied). If you do not have a spare telephone jack for the SVR Recorder, use the phone splitter (supplied).

### Cntrl (control) Out Serial

If you have a satellite set-top box or cable set-top box and it features a Serial In jack (sometimes labeled "Low Speed Data"), you can connect the SVR Recorder to your box using the Serial Control cable (supplied), allowing the SVR Recorder to change channels and control your box. A serial connection works better than an IR, so use serial when possible.

### Cntrl (control) Out IR

If you have a satellite set-top box or cable set-top box that doesn't include a Serial In jack, connect the SVR Recorder to the IR sensor of your cable set-top box or satellite set-top box using the IR Control cable (supplied). Start by plugging the IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. Next, locate the IR receiver on your cable or satellite set-top box – it's usually a small dark red window or button on the front of the box. Place the IR Emitter (from the IR Control cable) on top of the receiver, sticking out slightly. The IR Emitter has an adhesive strip so you can adhere it to the set-top box. If it is not possible to stick the IR Emitter directly onto the receiver, place it in front of or as close as possible to the receiver. Ignore this jack if you're using the Cntrl Out (Serial) jack.

You can also use the IR Control cable to save programs to your Sony VCR. Plug the supplied IR Control cable into the Cntrl Out IR jack on the back of the SVR Recorder. Position the first IR Emitter in front of the IR receiver on your Sony VCR. You can secure the IR Emitter (from the IR Control cable) using the supplied adhesive strip. Optionally, position the second IR Emitter in front of the IR receiver on your satellite set-top box or cable set-top box so it is slightly extended.

Once this connection is made, refer to your TiVo Viewer's Guide for instructions on how to save programs to your VCR.

### Audio R and L Inputs

Use these jacks if you have a satellite set-top box, cable set-top box, or digital cable set-top box. Connect the left (white) and right (red) audio out jacks of your set-top box to the SVR Recorder's audio input using the Audio/Video cables (supplied). Note that you will use these jacks for audio if you're using either the yellow Video Input or S-Video Input. Ignore these jacks if you're using the RF In jack.

### Composite Video Input

Use this jack if your satellite set-top box, cable set-top box, or digital cable set-top box does not include an S-Video Output jack. Connect the Video Out of your set-top box to the SVR Recorder using the video connector (yellow) on the Audio/Video cables (supplied). Use this jack only if you can't use S-Video Input. Ignore this jack if you're using the RF In jack.

### S-Video Input

S-Video will result in a higher quality image than composite video, so use this jack if you have a satellite set-top box or cable set-top box that features an S-Video out jack. Connect the S-Video Out from your set-top box to the SVR Recorder using the S-Video cable (supplied).

### Audio R and L Outputs (2 each)

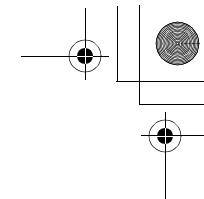
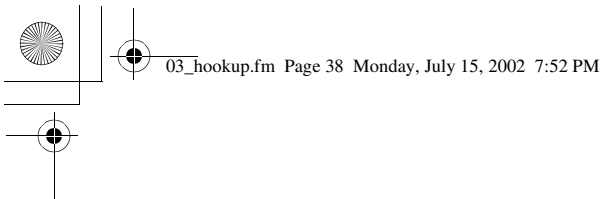
If your TV or stereo features audio input jacks, connect the left (white) and right (red) Audio Output jacks from the SVR Recorder to your TV or stereo using the Audio/Video cables (supplied). If you have both a TV and a VCR, you might use one set of Audio cables for the TV and the other cables for the VCR; see pages 15 through 31 for examples. Ignore these jacks if you're using the RF Out jack.

### Composite Video Outputs (2)

If your TV or VCR features a Composite video jack but doesn't have an S-Video input, connect the SVR Recorder to your TV or VCR's Video In using the yellow video connector on the Composite Audio/Video cables (supplied). If you have both a TV and a VCR, you might use one cable for the TV and the other cable for the VCR. Ignore this jack if you're using S-Video Output or the RF Out jack.

### S-Video Output

If your TV or VCR features an S-Video input jack, connect it to the SVR Recorder using a second S-Video cable (not supplied). S-Video is preferred over other connections since it provides the highest quality picture. Ignore this jack if you're using Composite Video Outputs or RF Out – but you should disconnect those other connections and use this one instead if your TV or VCR does feature an S-Video input jack.



### RF In

If you have cable or an antenna and don't have a satellite set-top box or cable set-top box, connect your cable or antenna to the SVR Recorder using your existing coaxial cable (the one coming out of the wall). Ignore this jack if you're using Audio/Video Input or S-Video Input. If you have a cable box that features both RF Out and S-Video output or Audio/Video output, choose S-Video or Audio/Video instead of RF.

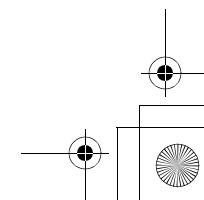
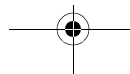
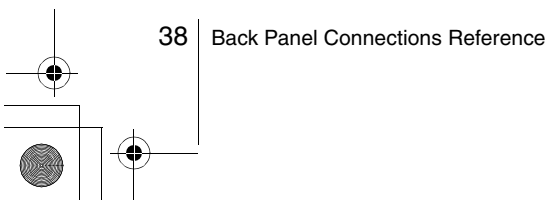
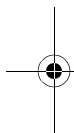
### RF Out

If your TV has multiple inputs and you can use the SVR Recorder's S-Video Output or Audio/Video Output, do not use the RF Out jack. But if your TV only has RF In, connect the SVR Recorder to your TV's RF In using the RF Coaxial cable, and see "Ch 3/4 Switch" below. Use the Remote Control supplied with the SVR Recorder to change program channels shown on your TV.

### Ch 3/4 Switch

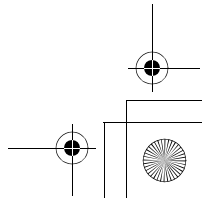
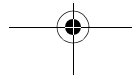
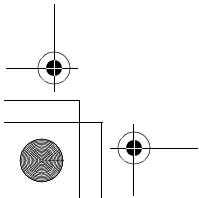
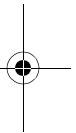
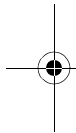
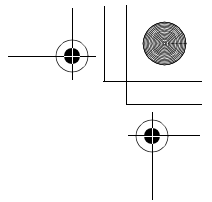
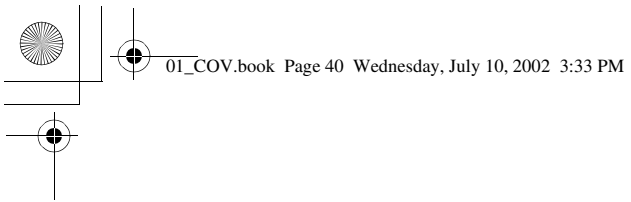
If you use RF Out, set the output to channel 3 or 4 using this switch. To get the best picture, select the channel that is not occupied by a local broadcast channel. For example, if there is a local broadcast station on channel 4, select channel 3 for the output on the SVR Recorder. You will need to tune your television to this channel (3 or 4) to receive a signal through the SVR Recorder.

### USB (Universal Serial Bus.) For future use



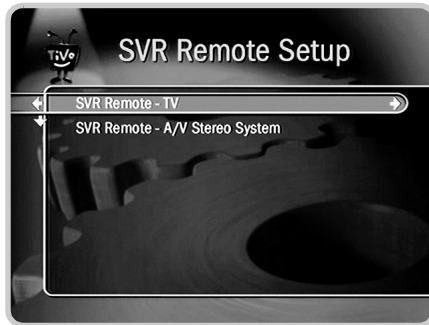
## General Hints

- Study the “Back Panel Connections Reference” section on page 35 to learn what jacks are available on your SVR Recorder.
- Make sure the SVR Recorder receives its signal from your TV source. Work out where your TV signal comes from (satellite, cable or antenna). If you have to go through a switch box or set-top box or stereo, test the output cable on your TV before taking that output and plugging it into the SVR Recorder’s input jacks.
- Decide where the SVR Recorder should send its signal. You’ll need to get the signal to your TV eventually, but you could choose to have the video signal go through a VCR or to a switch box or A/V receiver before it reaches the TV. If you want the SVR Recorder to be able to save shows to a VCR, you’ll also need to have the SVR Recorder’s output go to a VCR.
- You may have a lot of sources of video. In addition to the SVR Recorder and a VCR, you may have a video game player, a laser disc player, a DVD player, and a video camera. If so, consider using a switch box or an A/V receiver that has input jacks for your devices, along with an output to your TV and speakers. Then, that A/V receiver or switch box will let you choose what to display on your TV.
- If you’re having trouble, see Troubleshooting on pages 45–50. Also, try the Support section on the TiVo website (<http://www.tivo.com/>).





## Setting Up Your System



## Programming Your Remote Control

You can set your Remote Control to control your TV's power, muting, and volume by using the "Remote Control Setup" option on the **Messages & Setup** screen. Or you can set your 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 Remote Control how to control your TV, you'll be able to put away your TV's remote and use the Remote Control from now on. You'll only need your VCR's remote for watching videotapes.

Follow these steps to set up your Remote Control using the on-screen code entry method. If this method doesn't work, try the Learning Mode Method (page 43) or Code Search Method (page 44) methods.

### 1 Start at TiVo Central.

Press the TiVo button to go to TiVo Central.

### 2 Navigate to SVR Remote - TV.

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

### 3 Identify your TV.

Use the CH (Channel) +/- buttons 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.



### Note

If you have your stereo hooked up to your TV, you can program the Remote Control's VOL (volume) and MUTE buttons to send signals to your stereo rather than to your TV. Go to "Messages & Setup", then "SVR Remote Setup", then "SVR 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 Remote Control with your hand to shield the IR Emitter.
- On the 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 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 Remote Control in the direction of the TV and pressing the TV POWER button. If this turns the TV off, you have found the correct code. Now you can use the Remote Control to turn your TV on and off, control volume, and mute the sound.
- If the Remote Control could not turn your TV off, try the next code listed for your TV.

### Note

- You can program the following keys with the Learning Remote method:  
TV POWER, VOL (volume) +/-, and MUTE.
- Do not attempt this method if there is bright fluorescent lighting or other IR interference.
- Unlike code entry and code search, you need to program each button individually in learning mode.
- If you have a stereo system connected to the SVR Recorder, you can program the POWER button on the Remote Control to turn on/off your stereo. To do so, use code 1975 instead of 0975 in step 1. You can program the POWER button to turn on/off both your TV and your stereo.
- To reset the Remote Control back to the manufacturer's settings, press and hold the TiVo and TV POWER buttons together for three seconds until the LED on the Remote Control remains lit. Enter code 0981 (or 1981) using the number keys on the Remote Control.

## Learning Mode Method

The Remote Control has the ability to “learn” codes from your TV (and/or audio system) remote. This method works for every remote controlled TV (or stereo).

### 1 Put the Remote Control in learning mode.

- Press the TiVo button and TV POWER simultaneously for 3 seconds until the LED on the Remote Control remains lit continuously.
- Using the number keys on the Remote Control, enter the code 0975. The Remote Control LED flashes three times. You have 30 seconds to complete the next step.

### 2 Position the two remotes.

Position the TV remote and the Remote Control head-to-head about two inches apart with their IR emitters facing each other. (The Remote Control's IR emitter is at the end that you point at the TV.)

### 3 Send the signal to the Remote Control.

- Press the button on the Remote Control that you want to teach. For example, TV POWER or MUTE. The Remote Control LED will flash rapidly to indicate that it is ready to be taught. You have 4 seconds to do the next step.
- Press the equivalent button on the TV remote. For example, if you pressed TV POWER on the Remote Control, press the power button on the TV remote.
- Press and hold the equivalent button on the TV remote until the Remote Control's LED flashes three times to indicate that it has learned the code, or repeat this step until the LED does flash three times.
- This step can be repeated as many times as needed.

### 4 Exit learning mode and test the code.

- Press the CLEAR button on the Remote Control to exit learning mode.
- Point the Remote Control at the TV and press the button you just taught. For example, if you've just taught the TV POWER button, it should turn on the TV.

### Note

- In this method, when you find the correct code, it will automatically program the TV POWER, VOL +/-, and MUTING buttons on the Remote Control.
- If you have a stereo system connected to the SVR Recorder, you can program the POWER button on the Remote Control to turn on and off both the stereo and your TV. To do so, use code 1999 instead of 0999 in step 1.
- To reset the Remote Control back to the manufacturer's settings, press and hold the TiVo and TV POWER buttons together for three seconds until the LED on the Remote Control remains lit. Enter code 0981 (or 1981) using the number keys on the Remote Control.

## Code Search Method

Another method of programming the Remote Control to operate your TV and/or stereo system is the code search method. The Remote Control has hundreds of available codes. The correct code for your TV might be available, yet not listed on the screen for your TV brand.

### 1 Put the Remote Control in code search mode.

- Press the TiVo button and TV POWER simultaneously for three seconds until the LED on the Remote Control remains lit continuously.
- Release the buttons and the LED remains illuminated.
- Using the number keys on the Remote Control, enter the code 0999.

### 2 Test the code.

- Point the Remote Control at the TV, press TV POWER and see if the TV turns off or on.
- If the TV does turn off or on, confirm that MUTE and VOL (volume) +/- also operate the TV. If they do, go to step 4 below. If they do not, continue with step 3.

### 3 Try another code.

Continue to cycle through each code by pressing CH+, then test the code by repeating step 2 above. Remember, there are hundreds of codes. If the LED goes out, you have reached the end of the codes.

### 4 Program the Remote Control with the correct code.

- When the code allows the Remote Control to operate the TV power, volume and muting, press ENTER to set the code and exit Code Search mode.
- You can also press CLEAR to exit Code Search mode without setting a new code.

### ***Additional Information***

## **Troubleshooting**

TiVo and Sony are dedicated to providing you with quality support and customer service. If you have any questions or difficulties, first refer to the troubleshooting section in the manuals. If you still need help, see below for the appropriate customer service department to contact:

Please go to <http://www.sel.sony.com/sel/service/conselec> and refer to the FAQ if you need assistance on the following areas:

- Connecting your SVR Recorder with your TV and other A/V equipment.
- Initial Guided Setup difficulties (e.g. phone calls failing).
- Programming the Remote Control to control your TV or A/V equipment.
- Changing channels.
- A system that does not function properly after restart.
- Questions about your Warranty.

Contact TiVo at 1-877-367-8486 if you need assistance on the following areas:

- Activating or using a feature of the TiVo Service.
- Getting correct channel lineup data or program guide data.
- Understanding an onscreen message from TiVo regarding your TiVo Service account.

You can also refer to the FAQ's listed in the web site below.

TiVo: <http://www.tivo.com>

You can also call Sony at 1-877-585-Sony (7669)

When you call either TiVo or Sony, you will need to reference your model and serial number located on the inside of the back cover of this Installation Guide.

Symptom	Solution
<b>My SVR Recorder isn't making the setup phone calls.</b>	<ul style="list-style-type: none"><li>• Do not use a wireless phone connection.</li><li>• Verify that your phone line is working by connecting a phone to the phone cord and checking for a dial tone. Make sure the phone cord is connected to the SVR Recorder and the wall jack.</li><li>• Try another local dial-in number from the <b>Dial In Numbers</b> screen. For information on how to change the local dial-in number and other phone dialing options, refer to the TiVo Viewer's Guide.</li><li>• You may need to change your phone dialing options from the default. After making changes, make a test call (choose "Make Test Call" from the <b>Phone Connection</b> screen).<ul style="list-style-type: none"><li>• If you have voice mail or other non-standard dial tone, turn off "dial tone detection".</li><li>• If you have call waiting, disable it by entering the correct prefix in "Call Waiting Prefix" (usually "*70,").</li><li>• If you use a dial prefix for outside lines, set "Dial Prefix" (for example, "9,").</li><li>• Your phone line may have low voltage. Try turning off "phone availability detection".</li></ul></li><li>• If you have a caller ID box, try removing it from the line since some models interfere with the SVR Recorder modem's ability to make a call.</li><li>• If you have a fax machine or computer modem connected to the same line, make sure they are not using the line.</li><li>• It could be that you have too much line noise to make a connection. The SVR Recorder ships with a 50' phone cord. Try a shorter cord, or you can buy a line noise filter at your local electronics store.</li><li>• If the recorder repeatedly reports a busy signal trying to connect, try choosing a different local dial-in number, or try making the call during off-peak hours.</li></ul>

Symptom	Solution
<b>On the “Channels You Watch” screen, some or all of my lineup information is incorrect.</b>	From within Guided Setup, go left to the <b>Cable Providers</b> and <b>Cable Lineups</b> screens and verify that you chose the correct cable/satellite provider and lineup. You may need to go through all of the selections to find the right one since cable providers are often changing their names and lineups.
<b>My channels aren’t changing.</b>	<p><b>If you use cable with no set-top box:</b></p> <ul style="list-style-type: none"> <li>• Be sure that you are using the SVR Recorder’s Remote Control and that you hold it so that the TiVo button points toward the SVR Recorder.</li> <li>• When you press any button on the Remote Control, does the Remote Active LED flash? If the LED does not flash, check to make sure that the batteries are positioned correctly in the Remote Control and that the batteries are good. If the LED does flash, make sure the green receiving light on the SVR Recorder flashes yellow when you press any button on the Remote Control. If it does not, power cycle your SVR Recorder (unplug the AC power cord, wait 15 seconds, then reinsert the AC power cord). It may be necessary to do this several times.</li> </ul> <p><b>If you use cable with a set-top box:</b></p> <ul style="list-style-type: none"> <li>• Make sure the set-top box is turned on.</li> <li>• Make sure you are using the Remote Control and that you hold it so that the TiVo button points toward the SVR Recorder, not the cable box.</li> <li>• Is the IR Control cable plugged into the lower IR jack on the back of the SVR Recorder?</li> <li>• Is the IR Emitter positioned so that it covers the IR receiver on the cable box?</li> <li>• Did you select a working code from the list of codes for your cable box during Guided Setup? To verify, use the TiVo button to go to <b>TiVo Central -&gt; Messages &amp; Setup -&gt; Cable/Satellite Box -&gt; Control Cable Setup</b>. Once you find a code that changes your channels, press SELECT to choose that code.</li> </ul> <p>(continued on next page)</p>

Symptom	Solution
<b>My channels aren't changing.</b> <b>(continued)</b>	<p><b>If you use a satellite set-top box with a Serial Control cable:</b></p> <ul style="list-style-type: none"><li>• Make sure the set-top box is turned on.</li><li>• Is the Serial Control cable plugged into the upper serial jack on the back of the SVR Recorder?</li><li>• Make sure that the Serial Control cable is connected to the "low speed data" jack on the back of the satellite set-top box.</li><li>• Unplug the satellite set-top box from the wall, then plug it back in.</li></ul> <p>If you are using an RCA satellite set-top box, use your RCA set-top box's remote control to specify low speed data. To do this, press the MENU button on the RCA set-top box's remote -&gt; <b>Options</b> -&gt; <b>System Options</b> -&gt; <b>Data Port</b> -&gt; <b>Low Speed Data</b>.</p> <p><b>If you use a satellite set-top box with an IR Control cable:</b></p> <ul style="list-style-type: none"><li>• Make sure the set-top box is turned on.</li><li>• Is the IR Control cable plugged into the lower IR jack on the back of the SVR Recorder, not the cable box.</li><li>• Is the IR Emitter positioned so that it covers the IR window on your satellite box?</li><li>• Did you select a working code from the list of codes for your satellite box during Guided Setup? To verify this, use the TiVo button to go to <b>TiVo Central</b> -&gt; <b>Messages &amp; Setup</b> -&gt; <b>Cable/Satellite Box</b> -&gt; <b>Control Cable Setup</b>. Once you find a code that changes your channels, press the SELECT button on the Remote Control to choose that code.</li></ul>



Symptom	Solution
<b>When I power on my TV, I see a blue screen with a frowning TiVo in the upper left corner of my screen.</b>	<p>Your SVR Recorder is having trouble tuning to the channel you are on. Follow these steps to restore the video:</p> <ul style="list-style-type: none"> <li>• If you have a cable/satellite set-top box, make sure it is turned on.</li> <li>• Try changing channels. If you see the frowning TiVo on every channel, your video cable may have come loose. Check to make sure all the cable connections on the back of your SVR Recorder are secure.</li> <li>• Verify that you are receiving a video signal by temporarily connecting the video source directly to the TV.</li> <li>• Power cycle your SVR Recorder (unplug the AC power cord, wait 15 seconds, then reinsert the AC power cord).</li> <li>• Try swapping out your video cables to determine if one of your cables is bad.</li> <li>• Go to Messages and Setup and choose “Cable/Satellite Box,” then choose “Connection to Recorder.” Verify that the cable that is selected on this screen is the same cable you have used to connect your set-top box to the SVR Recorder. The “Video Status” on this screen should say “OK” when the correct input is selected.</li> </ul>
<b>I don’t see my cable provider on the list in Guided Setup.</b>	<ul style="list-style-type: none"> <li>• If you are in Guided Setup, use the LEFT ARROW to go to the <b>Zip Code</b> screen to verify that you entered the correct zip code.</li> <li>• Go through the first setup call again. See “First Setup Call” in Guided Setup.</li> <li>• Check all of the cable providers listed for your Zip Code. Make sure your cable company hasn’t merged or changed its name.</li> </ul>

Symptom	Solution
<b>Audio/Video is out of sync.</b>	<ul style="list-style-type: none"><li>• Try changing channels.</li><li>• Press the PAUSE button on the Remote Control, move back a frame or two, then press PAUSE again to resume play.</li><li>• Press the TiVo button to go to TiVo Central, then press the LIVE TV button to return to live television.</li><li>• Power cycle your SVR Recorder (unplug the power cord, wait 15 seconds, then reinsert the power cord).</li><li>• If you are using your stereo, it must be hooked up between the SVR Recorder and your TV to avoid an audio/video delay.</li></ul>

# Specifications

## Inputs and outputs

Video In  
S-Video 4-pin mini DIN (1)  
Composite Video RCA (1)  
Video Out  
S-Video 4-pin mini DIN (2)  
Composite Video RCA (2)  
Audio Line In  
Stereo L/R RCA (1 pair)  
Audio Line Out  
Stereo L/R RCA (2 pairs)  
RF In  
F-connector Female (1)  
RF Out  
F-connector Female (1)  
Telephone  
RJ-11 female, 2 wire (1)  
Control Out  
3.5 mm mini jack sockets (2)

## General

Power requirements  
120 V AC, 60 Hz  
Power consumption  
29 W  
Operating temperature  
21°C to 45°C (70°F to 113°F)  
Operating Humidity  
5% to 80%  
Dimensions  
Approx. 430 × 326 × 77 mm (w/h/d)  
(Approx. 17 1/4 × 3 7/8 × 13 1/8 inches) including  
projecting parts and controls  
Mass  
Approx. 4.5 kg (9 lb 1 oz)

## Supplied accessories

Remote Control (1)  
Size AA (R6) batteries (2)  
Audio/Video cables (1)  
IR Control cable (two IR emitters) (2)  
Serial Control cable (1)  
S-Video cable (1)  
Phone cord (1)  
Phone splitter (1)

Additional  
Information

## INFORMATION FOR GENERAL TELEPHONES

- 1** This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the Telephone company.
- 2** The applicable certification jack (connector) USOC-RJ11C is used for this equipment.
- 3** 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 the 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.
- 4** The REN is used to determine the number of devices that may be connected 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 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 the local telephone company. For products 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 a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.
- 5** If this equipment SVR-3000 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 FCC if you believe it is necessary.
- 6** The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice so you can make necessary modifications to maintain uninterrupted service.
- 7** If trouble is experienced with this equipment SVR-3000, for repair or warranty information, please contact Sony Direct Response Center; TEL 1-877-585-7669. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
- 8** All repairs will be performed in an authorized Sony service station.
- 9** This equipment cannot be used to party lines or coin line.

If you have any questions about this product, you may call: Sony Customer Information Center  
1-800-222-SONY (7669).

The number below is for the FCC related matters only.  
Regulatory Information

#### Declaration of Conformity

Trade Name: Sony  
Model No.: SVR-3000  
Responsible Party: Sony Electronics Inc.  
Address: 680 Kinderkamack Road,  
Oradell, NJ 07649 USA  
Telephone No.: 201-930-6972

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.

#### NOTE:

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.

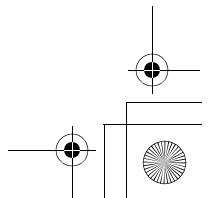
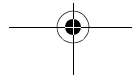
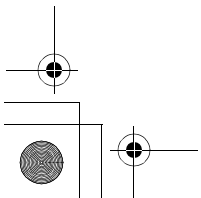
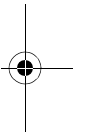
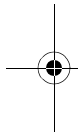
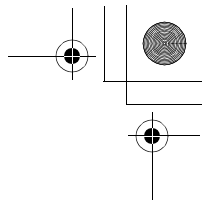
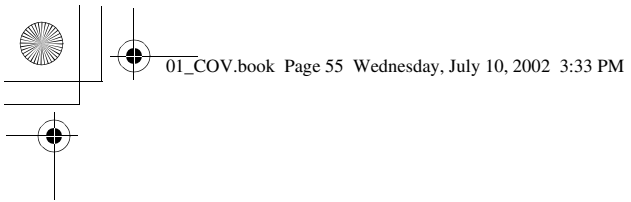
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment 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:

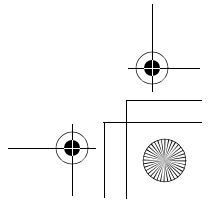
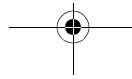
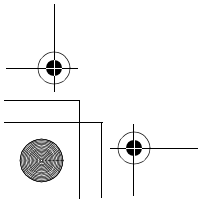
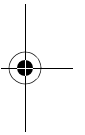
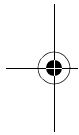
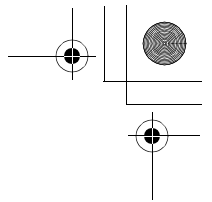
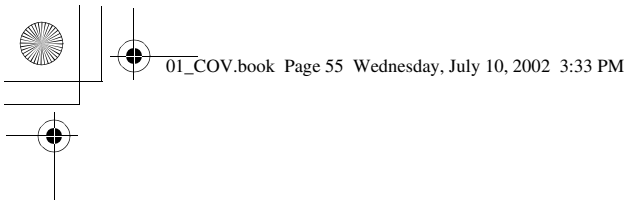
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

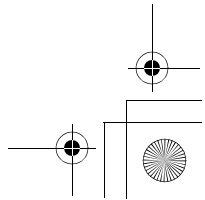
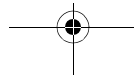
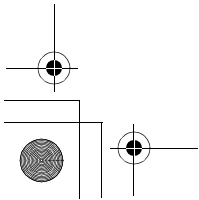
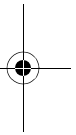
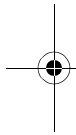
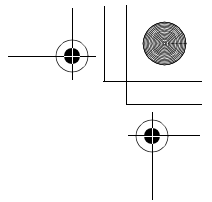
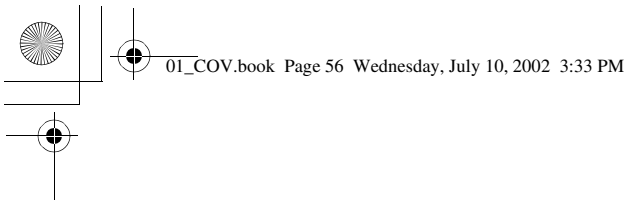
The Shielded Interface cable recommended in this manual must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Additional  
Information











## LIMITED WARRANTY

Sony Electronics Inc. ("Sony") warrants this Product (including any accessories) against defects in material or workmanship as follows:

1. **LABOR:** For a period of 90 days from the date of purchase. If this Product is determined to be defective, Sony will repair or replace the Product, at its option, at no charge, or pay the labor charges to any Sony authorized service facility. After the Warranty Period, you must pay for the labor charges.
2. **PARTS:** In addition, Sony will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of one (1) year. After 90 days from the date of purchase, labor for removal and installation is available from Sony authorized service facilities or a Sony Service Center at your expense.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection to any authorized Sony service facility.

This warranty does not cover customer, instruction, installation, set up adjustments, or signal reception problems.

This warranty does not cover cosmetic damage, or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the warranty period must be presented to obtain warranty service.

This warranty is invalid if the factory-applied serial number has been altered or removed from the Product.

**REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS ACCESSORY. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS ACCESSORY IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For your convenience, Sony Electronics Inc. has established telephone numbers for frequently asked questions.

To locate the servicer or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call:

**Sony Direct Response Center**  
1-877-585-SONY (7669)

or write to:

Sony Direct Response Center  
12451 Gateway Blvd.  
Fort Myers, FL 33913

For an accessory or an accessory or part not available from your authorized dealer, call:  
1-(800)-488-7669

Refer to this Installation Guide (specifically the Troubleshooting section) for questions about your Warranty, connecting the SVR Recorder, initial Guided Setup difficulties (e.g. phone calls failing), programming the Remote Control, changing channels, or if your system does not function properly after restart. If you still have questions, contact Sony at:  
**<http://www.sel.sony.com/sel/service/conselec>**

Refer to The TiVo Viewer's Guide for questions about TiVo Service activation, getting correct channel lineups or program guide data, or on-screen messages from TiVo regarding your Service account. If you still have questions, contact TiVo at:  
**<http://www.tivo.com>**

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