TV & Home A/V Connection Guide



This is a general recommendation based on the information you provided. You can customize the connections to suit your individual preferences and viewing habits.

Cable options

Some hookup recommendations have two cable options listed in the cable section. You will only need the cables listed under the cable option you choose. You can also use a combination of cables rather than one type throughout.

Connector labels

This hookup guide uses generic names for connection jacks and input labels. The table on the right lists some of the label variations you may find on your equipment.

Generic labels	Possible variations
RF IN, RF OUT	UHF/VHF, CABLE, LINE, TV
LINE IN, LINE OUT	VIDEO
AUDIO IN, AUDIO OUT	FIXED, VARIABLE
MONITOR	TO TV, VIDEO IN, VIDEO OUT

Not connecting a set-top box?

If you don't have a cable box or satellite receiver (AKA set-top box), skip the steps for the set-top box. Connect the coaxial cable from the wall into the RF in connection on the next device. If you're not connecting a broadcast signal source, disregard the steps involving the set-top box and begin with the steps for the equipment you are connecting.

Operating your equipment

This guide provides basic instructions for operating your equipment. The steps can vary by brand and model. Refer to the manual supplied with your equipment for details specific to your model. Sony <u>product manuals and documentation</u> can found on the Sony eSupport web site. If you have questions about a non-Sony device, please contact the manufacturer for information.

For Sony Internet TV Products: Connect to a Network

You can now surf the web with Sony Internet TV products. If you need help connecting to your wired or wireless network, check out our Network Connection tutorial.

Connection Diagram: From Wall Cable/ Satellite Coaxial OUT Coaxial VCR/DVD Combo Unit IN OUT Coaxial Composite Audio/Video (A/V) ●● IN IN Television

How to Connect a Set-top box and a VCR/DVD Combo Unit to a TV Using a Coaxial Cable and a Composite Audio/Video (A/V) or S-Video Cable

Why we recommend this hookup

We recommend this hookup to record or view cable or satellite service and watch DVD and VHS movies on your TV. Your TV must have a composite A/V input to watch DVD and VHS movies from the VCR/DVD combo unit.

What you will need

Basic Option: Composite A/V Connecti	on	Better Option: S-Video Connection	
(2) Coaxial cable		(2) Coaxial cable	
(1) Composite A/V cable		(1) S-Video cable	
		(1) Composite audio cable	

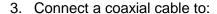
Connection instructions

1. Connect the coaxial cable from the **wall** to the **RF IN** jack on the **set-top box**.



- **Note:** If your satellite service does not include local channels, you may want to connect an antenna to the TV IN jack on your satellite receiver. Refer to the operating instructions for specific information on switching between satellite and local broadcasts.
- 2. Connect a coaxial cable to:
 - a. RF OUT jack on the set-top box





- a. RF OUT jack on the VCR/DVD combo unit
- b. RF IN jack on the TV
- 4. Connect a composite A/V cable to:
 - a. LINE OUT jack on the VCR/DVD combo unit
 - b. **VIDEO** input jack on the **TV**



Notes:

- Be sure to match the colors of the cable connectors with the colors of the jacks.
- If your TV and VCR/DVD combo unit both have S-Video jacks, use this connection instead of the yellow composite cable. The S-Video connection provides a higher quality video image. Connect the red and white audio cables for the sound.

Test the hookup to verify the equipment is working correctly

- 1. Turn on the TV.
- 2. Turn on the set-top box.
- 3. Tune the TV to the correct channel for receiving the signal from the set-top box (usually channel 3 or 4).



Note: It may be necessary to select either channel 3 or 4 as the RF out on the set-top box and the VCR/DVD combo unit. Check the equipment for a switch or menu setting to select the appropriate setting. The RF out setting should be set to the same channel on the combo unit and the set-top box.

If there is picture and sound from the set-top box, then the coaxial cables have been connected correctly.

- 4. Tune the TV to the video input to which the VCR/DVD combo is connected, for example, VIDEO 1 or VIDEO 2.
- 5. Turn on the VCR/DVD combo unit.
- 6. Tune the VCR/DVD combo unit to the correct channel for receiving the signal from the set-top box (usually channel 3 or 4).

If there is picture and sound from the set-top box, then the composite A/V cables have been connected correctly.

How to operate the equipment with this hookup

Watch satellite or cable TV

- 1. Turn on the TV.
- 2. Turn on the set-top box.
- 3. Tune the TV to the correct channel for receiving the signal from the set-top box (usually channel 3 or 4).



Note: It may be necessary to select either channel 3 or 4 as the RF out on the set-top box and the VCR/DVD combo unit. Check the equipment for a switch or menu setting to select the appropriate setting. The RF out setting should be set to the same channel on the combo unit and the set-top box.

4. Tune the set-top box to the desired channel.

Watch a VHS tape or DVD movie

- 1. Turn on the TV.
- 2. Turn on the VCR/DVD combo unit.
- 3. Tune the TV to the video input to which the VCR/DVD combo unit is connected, for example, VIDEO 1 or VIDEO 2.
- 4. Insert the VHS tape or DVD movie into the VCR/DVD combo unit.
- Press the PLAY button on the VCR/DVD combo unit remote control.



Note: It may be necessary to set the source on the VCR/DVD combo unit to VCR or DVD. Your remote control should have a button to switch between the sources. Refer to the operating instructions supplied with the VCR/DVD combo unit for more information.

Record a cable or satellite program

- 1. Turn on the TV.
- 2. Turn on the VCR/DVD combo unit.
- 3. Turn on the set-top box.
- 4. Tune the TV to channel 3 or 4.
- 5. Set the VCR/DVD combo unit to channel 3 or 4.
- 6. Tune the set-top box to the desired channel for recording.
- 7. Insert a recordable VHS tape into the VCR/DVD combo.
- 8. Press the RECORD button on the VCR/DVD combo unit remote control.



1 Note: It may be necessary to set the source on the VCR/DVD combo unit to VCR. Your remote control should have a button to switch between sources. Refer to the operating instructions supplied with the VCR/DVD combo unit for more information.

Glossary

Dub

To make a copy.

HDMI Repeater

A device, such as an A/V receiver, that receives an audio/video signal from one HDMI device and passes it through to another connected HDMI device.

High Definition (HD)

Video signal up to six times the picture and detail resolution of conventional standard definition. As of January 2007 1080p is the highest line resolution available for HD content.

Interlaced scanning

Half a frame of video is drawn on the screen at one time using the odd scan lines, then the second half of the frame is drawn on the screen using the even scan lines. Because this process happens so quickly the human eye sees a full image.

Line In/Out

Transfers an audio and/or video signal in or out of one unit for connection into another. (Example Line 1)

Monitor Out

An output jack usually found on an A/V receiver that passes video information from a connected video device to a television.

Progressive scanning

An entire frame of video is drawn on the screen at one time line by line. This results in crisper images and up to twice as many frames per second of video compared to interlaced scanning

Set-top Box

Cable box or satellite receiver.

Standard Definition (SD)

Conventional TV broadcasting with the standard 480 active scanning lines and interlaced scanning (480i).

Stereo Audio

Right and left (2) channel audio.

Tuner

An electronic circuit or device used to select signals at a specific radio frequency for amplification and conversion to video and sound.

Video Input/Output

Transfers an audio and/or video signal in or out of one unit for connection into another. (Example Video 5)