

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.

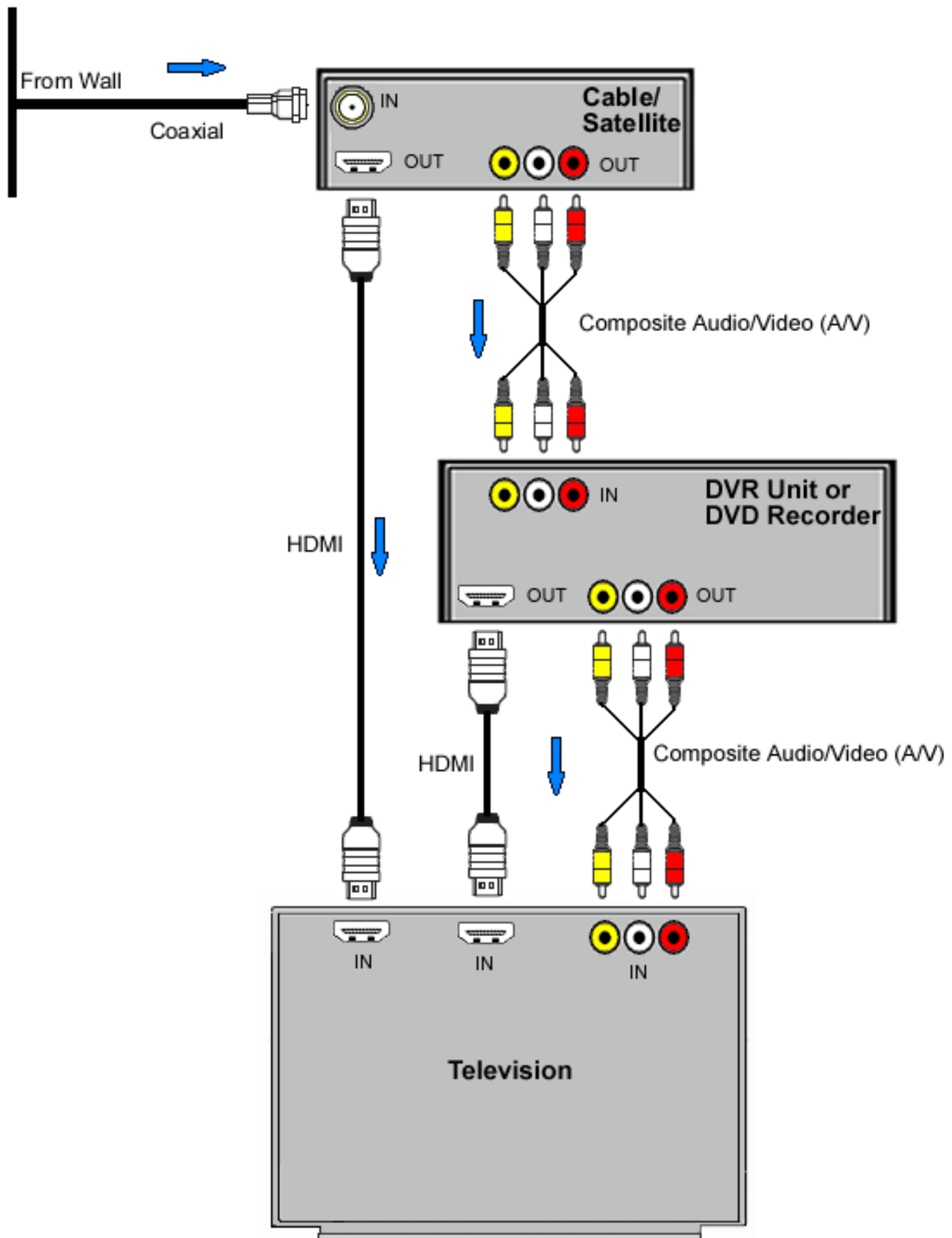
Operating your equipment

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 [product manuals and documentation](#) can be 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:



How to Connect a Set-top Box, and DVD Recorder or DVR Unit to a TV Using HDMI and Composite Audio Video (A/V) Cables

Why we recommend this hookup

We recommend this hookup to record or view cable or satellite service and watch DVDs or DVR recordings on your TV. Your TV must have an HDMI or DVI input and a composite A/V input. The composite A/V cables are required to record to a DVD or the DVR unit as most units will not record through the HDMI connection.

What you will need

HDMI Connection	HDMI-to-DVI Connection
(2) HDMI cables	(2) HDMI cables
(2) Composite A/V cables	(2) Composite A/V cables
	(2) Composite audio cables
	(2) HDMI-to-DVI adapters

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 composite A/V cable to:
 - a. **LINE OUT** jack on the **set-top box**
 - b. **LINE IN** jacks on the **DVD recorder** or **DVR unit**



Note: Be sure to match the colors of the cable connectors with the colors of the jacks.

3. Connect a composite A/V cable to:

- a. **LINE OUT** jack on the **DVD recorder** or **DVR unit**
- b. **VIDEO** input jacks on the **TV**



Note: If your DVD recorder or DVR unit and TV 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.

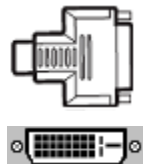
4. Connect an HDMI cable to:

- a. **HDMI OUT** jack on the **set-top box**
- b. **HDMI IN** jack on the **TV**



Important: If the TV has a DVI jack instead of an HDMI jack, skip step b above and follow the steps below.

- c. **HDMI IN** jack on the **HDMI-to-DVI adapter**
- d. Connect a DVI cable to:
 - i. **DVI OUT** jack on the **HDMI-to-DVI adapter**
 - ii. **DVI IN** jack on the **TV**
- e. Connect a composite audio cable to:
 - i. **AUDIO OUT** jacks on the **set-top box**
 - ii. **AUDIO IN** jacks located next to or near the DVI jack on the **TV**



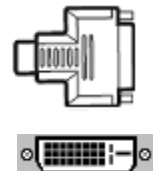
5. Connect an HDMI cable to:

- a. **HDMI OUT** jack on the **DVR unit** or **DVD recorder**
- b. **HDMI IN** jack on the **TV**



Important: If the TV has a DVI jack instead of an HDMI jack, skip step b above and follow the steps below.

- c. **HDMI IN** jack on the **HDMI-to-DVI adapter**
- d. Connect a DVI cable to:
 - i. **DVI OUT** jack on the **HDMI-to-DVI adapter**
 - ii. **DVI IN** jack on the **TV**
- e. Connect a composite audio cable to:
 - i. **AUDIO OUT** jacks on the **set-top box**
 - ii. **AUDIO IN** jacks located next to or near the DVI jack on the **TV**



Note: If your TV has only one HDMI or DVI jack, connect one of your devices to the TV using a component (Y/Pb/Pr) video cable and a composite audio cable.

Test the hookup to verify the equipment is working correctly

1. Turn on the TV and the set-top box.
2. Tune the TV to the HDMI or DVI input to which the set-top box is connected, for example **VIDEO 6**.

If there is picture and sound on the TV, you have connected your equipment correctly.

3. Turn on the DVD recorder or DVR unit.
4. Tune the TV to the composite video input to which the DVD recorder or DVR unit is connected, for example, **VIDEO 1**.

If there is picture and sound on the TV, you have connected your equipment correctly.

5. Tune the TV to the HDMI or component video input to which the DVD recorder or DVR unit is connected, for example, **VIDEO 5**.
6. Insert a DVD into the DVD recorder or select a program on the DVR.
7. Press the **Play** button on the DVD recorder or DVR unit remote control.

If there is picture and sound on the TV, you have connected your equipment correctly.



Note: If you are connecting a DVR unit and do not have any recordings, you will see the DVR splash screen on the TV. Once you have recorded content to the DVR, repeat steps 6-8 to verify you have connected the unit with the HDMI cable correctly.

How to operate the equipment with this hookup

Watch TV

1. Turn on the TV and the set-top box.
2. Tune the TV to the HDMI or DVI input to which the set-top box is connected, for example **VIDEO 6**.
3. Tune the set-top box to the desired channel.

Watch a DVD or DVR recording

1. Turn on the TV.
2. Turn on the DVD recorder or DVR unit.
3. Tune the TV to the HDMI or component video input to which the DVD recorder or DVR unit is connected, for example, **VIDEO 5**.
4. Insert the DVD you want to watch into the DVD recorder or use the DVR unit remote control to select the program you want to watch.
5. Press the **Play** button on the DVD recorder or DVR unit remote control.

Record from the set-top box

1. Turn on the TV.
2. Turn on the set-top box.
3. Turn on the DVD recorder or DVR unit.
4. Select the line input on the DVD recorder or DVR unit to which the set-top box is connected, for example **L1**.
5. Tune the TV to the composite video input to which the DVD recorder or DVR unit is connected, for example **VIDEO 1**.
6. If recording on a DVD, insert a blank recordable DVD disc into the DVD recorder.
7. Tune the set-top box to the desired channel.
8. Press the **Record** button on the DVD recorder or DVR unit remote control.

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)