

PRODUCT LAUNCH BULLETIN: ViP612™ DVR

Introduction

ViP612 DVR is a dual-tuner, single-TV DISH Network satellite receiver compatible with the MPEG-4 and MPEG-2 compression standards. ViP612 DVR supports high-definition (HD) and standard-definition (SD) outputs, provides DVR functionality, and includes one digital over-the-air tuner. Refer to *Quick Facts: ViP612 DVR* and the *ViP612 DVR User's Guide* for additional information.

Considerations

- Video is provided by two HD video outputs (HDMI digital audio/video or Component (YPbPr)) and three SD video outputs (S-Video, Composite (RCA-type), or TV Set Out (Channel 3-4 output)). Audio is provided by either left/right (RCA-type), a digital optical audio output, or TV Set Out.
- An over-the-air tuner is included, which receives only digital over-the-air channels, not analog over-the-air channels. To watch analog over-the-air channels, the TV's tuner must be used.
- DishCOMM technology is supported on the ViP612 DVR, allowing phone and other data to be sent between compatible receivers and devices over the home power lines. Refer to *Quick Facts: DishCOMM Technology* for additional information.
- Includes one UHF Pro remote control, which can be converted to an IR (infrared) remote control by switching the bottom key. Refer to *Changing the Remote Control from UHF Pro to IR* in Chapter 10 of the User's Guide.
- Two USB 2.0 ports are included: one on the front panel and one on the back panel. These ports can be used for multimedia features similar to those of ViP622 & ViP722 DVRs, including transferring photo files to the receiver for viewing on a connected TV or connecting an external hard disk drive for expanded storage capacity. Refer to *Quick Facts: Multimedia* and *Quick Facts: DVR External Hard Disk Drive Storage* for more information.
- One Ethernet port is included on the back panel, which can be used for updating Pay-Per-View purchase records and the DishONLINE feature. Refer to *Quick Facts: Connecting the Receiver to the Home Network* and *Home Network Installation Instructions* for additional information.
- Supports high-definition video on demand, when available.
- The ViP612 DVR does not support Picture-in-Picture (PIP), but functions as a "watch and record" receiver. This allows a viewer to watch one live satellite program while recording a second live satellite program and a live over-the-air program, or watch a pre-recorded program while recording two live programs.

Initial Installation Tips

- Default output resolution for the HD outputs is 480p. During installation, change the resolution to 720p or 1080i as appropriate for the connected HDTV.
- Be careful not to connect a phone line to the Ethernet port. All phones in the household will stop working if a phone line is accidentally plugged into this port.
- Software for the ViP612 DVR can be downloaded from satellite locations 61.5°W, 119°W, and 148°W.
- Use the receiver's front panel buttons to perform the initial receiver installation. The remote control is preset at the factory to a random remote address between 1 and 16, and is set up to control the receiver in a later step of the installation. See *Installation Instructions* on page 2.
- The remote control has a small A/B switch under the battery cover that changes the remote control to a different UHF frequency. The default setting for this switch is the "A" position. Only change this setting to avoid UHF interference from other devices. Changing the frequency between A or B requires re-synchronizing the remote control to the receiver (see Step 8 on page 2 for details).

Installation Instructions for ViP612 DVR

Follow the steps below to install a ViP612 DVR. Detailed instructions for some steps below are found in the receiver User's Guide. All current LNBF and switch configurations are supported by the ViP612 DVR with factory software. A DISH Pro Plus Separator can be used to achieve a single cable installation if the receiver is directly connected to a DISH Pro Plus LNBF or switch.

Note: Use the receiver's front panel buttons for installation steps 1-7. Alternately, you can program the remote using step 8, prior to running the Check Switch test.

1. **Mount Dish:** Assemble and mount the satellite dish(es) using the dish antenna's installation instructions.
2. **Peak Dish Using Peaking Meter:** Peak each dish for maximum signal strength.
3. **Run and Connect Cable(s):** Connect cable(s) from the dish to either the receiver or the switch, and then from the switch to the receiver.
 - a. Connect all LNBFs and switches together using the instructions for these devices, and connect both of the ViP612 DVR's SATELLITE IN ports to the same switch, LNBF, or DISH Pro Plus Separator. Attach the two blue Satellite In stickers from the receiver User's Guide to the two Satellite In cables near the receiver.

Note: Both satellite tuners must be connected to signal for the ViP612 DVR to function properly.
 - b. If installing an over-the-air (OTA) antenna, connect the OTA antenna cable to the ViP612 DVR's OVER THE AIR ANTENNA IN port. Attach the black Over-the-Air Antenna In sticker from the receiver User's Guide to the OTA antenna cable near the receiver.

Note: Peak the OTA antenna using a signal meter appropriate for digital OTA broadcasts. Refer to www.antennaweb.org for assistance in choosing an antenna, digital stations in the area, and compass orientation. Stations outputting at a high power level may require that an attenuator be installed between the OTA antenna and the receiver's OVER THE AIR ANTENNA IN port.
4. **Connect ViP612 DVR to HDTV:** Connect the receiver to the HDTV using the audio/video connections. Power on the HDTV, turn on the satellite receiver, and confirm you can see a picture from the receiver.
 - a. If you cannot see a picture, ensure the HDTV is on the correct input and capable of displaying 480p (this is the default resolution of the ViP612 DVR through the HD outputs). See the user's guide that came with the HDTV for instructions.
 - b. If you still cannot see a picture, temporarily connect the composite (RCA-type) outputs to the HDTV, and change the HDTV to the appropriate input to see a picture.
5. **Make Additional Connections:** Attach the remote control antenna and an active phone line to the ViP612 DVR. If a broadband home network is available, the receiver can be connected to the home network using an Ethernet cable or a HomePlug-to-Ethernet Adapter. Refer to *Quick Facts: Connecting the Receiver to the Home Network* and *Home Network Installation Instructions* for detailed steps.

Note: If it is not possible to connect an active phone line or Internet connection to the ViP612 DVR, a DishCOMM Network can be set up. A DishCOMM Network allows compatible receivers to share one receiver's phone connection. To create a DishCOMM Network, refer to *Create a DishCOMM Network* on page 4.
6. **Run Check Switch:** Run a Check Switch test. From the Point Dish screen, select **Check Switch**, then **Test** (if the receiver is not already on the Point Dish screen, access by pressing MENU on the receiver's front panel, selecting **Installation** (1), then **Point Dish** (1)). Make sure that the results show the correct LNBF(s), switch, and satellite locations for the installation.

Note: The ViP612 DVR includes the improved signal meter, but does not have the flashing yellow text found on other receiver models. Refer to *Technical Information Bulletin 154173: Signal Strength Meter Improvements on Point Dish Screen* for details on the improved signal meter.

7. **Download Software:** Take a software download by selecting **Done** from the Point Dish screen and selecting **Yes** on the next screen. The software download takes approximately 15-30 minutes to complete.
8. **Address ViP612 DVR to Remote Control:** Install batteries in the remote control, then press the SYSTEM INFO button on the receiver's front panel to display the Important System Information screen, then press RECORD on the remote control, which places the receiver and remote control on the same remote address.
9. **Run Check Switch:** Run a second Check Switch test. Make sure that the results show the correct LNBF(s), switch, and satellite locations, and that the results match for Satellite Tuner 1 and 2.
10. **Customize ViP612 DVR's HDTV Picture Settings:** Refer to *Connecting to the TV* in Chapter 12 of the User's Guide. Go to the HDTV Setup menu by pressing MENU on the remote, selecting **System Setup** (6), then **HDTV Setup** (7).
 - a. Select an HD resolution (720p or 1080i) supported by the HDTV under TV Type.
 - b. Select the correct Aspect Ratio for the HDTV, then select **Done**. See the user's guide that came with the HDTV if you do not know what resolution or aspect ratio setting to use.

Note: If you had to temporarily connect composite cables to get a picture on the HDTV, change the HDTV back to the correct input and resolution for the receiver's HD output.
11. **Set Up Over-the-Air (OTA) Antenna:** Refer to *Connecting an Over-the-Air Antenna* in Chapter 12 of the User's Guide. If you plan to connect an OTA antenna for reception of digital OTA channels:
 - a. Go to the Local Channels menu by pressing MENU on the DISH Network remote, selecting **System Setup** (6), then **Local Channels** (8). You can select **Scan Locals** to let the receiver find digital over-the-air channels or **Add Locals** to add them manually.
 - b. When you are finished adding digital over-the-air channels, select **Done**.

Note: The ViP612 DVR supports display of only digital over-the-air channels in the EPG. Analog over-the-air channels can be viewed using the TV's tuner (if an antenna is connected to the TV).

12. **Customize Display of HD Channels in Program Guide:**
To choose how HD satellite channels display in the Program Guide, select **Chan Display** (in the Local Channels menu accessed by pressing MENU, selecting **System Setup** (6), then **Local Channels** (8)).

- Choose an option for Local Sat Channels to change how satellite-delivered locals are displayed:
 - **HD Priority**—HD channels display at the local station's channel number; if HD version is not available, the SD version is displayed.
 - **SD Only**—only SD versions of channels display at the local station's channel number.
 - **HD and SD (default)**—both HD and SD local channels appear below channel 100 at the local station's channel number.
 - **Disable**—HD and SD local channels are only listed in the four-digit channel range.
- Choose an option for DishHD™ Channels to change how other HD satellite channels display:
 - **Enable (default)**—HD satellite channels are displayed next to the SD channel number in the Program Guide.
 - **Disable**—HD satellite channels are displayed only in the four-digit channel range (primarily above 9400) in the Program Guide.



13. **Program TV Mode and Limited Mode as Needed:** Program the remote control to operate the TV. If you want to program the TV in Limited Mode to send only power and volume commands, use the steps listed in *Turning Limited Mode On and Off* in Chapter 10 of the User's Guide.
14. **Create a DishCOMM Network:** Go to the DishCOMM Setup screen by pressing MENU, selecting **System Setup** (6), **Installation** (1), then **DishCOMM Setup** (7). Refer to *Quick Facts: DishCOMM Technology* for additional information.
 - a. Select **Add** to go to the Add Device screen. Enter the Receiver ID or ID numbers from all devices that will be added to the DishCOMM Network. To find the Receiver ID, open the System Information screen using the SYSTEM INFO button on the front panel of the receiver.
 - b. Select **Done** to save the changes, or select **Test** to test the DishCOMM Network.

Note: If a DishCOMM Network already exists, enter this receiver's ID using the DishCOMM Setup screen of a receiver already on the DishCOMM Network.