DIRECTV Digital Satellite Receiver

Operating Instructions

Before you begin using your Digital Satellite Receiver for the first time, follow the instructions in “Getting Started” on pages 1-6.

Also, make sure your Satellite Dish Antenna has been properly installed and call your service provider to begin service: DIRECTV: 1-800-DIRECTV (347-3288)
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Some pay per view programs may be licensed from producers as “view-only” programs. These are copyrighted programs, and may not be copied or reproduced for any purpose without the express written permission of the copyright owner.

DIRECTV® Programming – ACTIVATION OF PROGRAMMING MAY BE SUBJECT TO CREDIT CARD APPROVAL AND REQUIRES VALID SERVICE ADDRESS, SOCIAL SECURITY NUMBER, AND/OR MAJOR CREDIT CARD. Programming subject to change. You must be physically located in the United States (U.S.) to receive DIRECTV service. DIRECTV services are not available outside the United States. DIRECTV programming is sold separately and independently of DIRECTV System hardware. A valid programming subscription is required to operate DIRECTV System hardware. Activate your DIRECTV programming today at 1-800-DIRECTV (1-800-347-3288).

DIRECTV System hardware and installation
To arrange for professional installation of your DIRECTV System, ask questions, or resolve problems related to your DIRECTV System, contact your dealer. If you need more information, please contact the Sony Satellite System Information Center at 1-800-838-7669.

Please record the following information for warranty

System Model #: - _______________________
Receiver Model #: ___________________________
Receiver Serial #: ___________________________
Access Card #: _________ __________ _________

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.
For your safety and protection, read this entire Owner's Manual before you attempt to install or use your satellite system. In particular, read this safety section carefully. Keep this safety information where you can refer to it if necessary.

**Important Safety Instructions**

**Heed Cautions**—All cautions on the product and in the operating instructions should be adhered to.  
**Follow Instructions**—All operating and use instructions should be followed.

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**THESE CAUTIONS AND SYMBOLS APPEAR ON THE BACK OF THE RECEIVER**

![CAUTION][1]  
**CAUTION**  
RISK OF ELECTRICAL SHOCK  
DO NOT OPEN

---

**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 registers, 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 is 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 lightning 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.
Polarization – This DIRECTV Receiver is equipped with a plug that will fit into the power outlet only one way. Do not modify the plug defeating this feature. If the plug does not fit, contact your electrician to replace your outlet. To prevent electric shock, do not use this plug with an extension cord or outlet unless you can fully insert the blades without blade exposure

Power Sources – Operate this DIRECTV Receiver only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.

Power-Cord Protection – Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electrical shock.

Ventilation – Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.

The openings should never be blocked by placing the product on a bed, sofa, rug, or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer’s instructions have been adhered to.

For electrical safety, power line operated equipment or accessories connected to this unit should bear the UL listing mark and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

Heat – Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Accessories – To avoid personal injury or damage to the DIRECTV Receiver, do not place the DIRECTV Receiver on any unstable cart, stand, table, or bracket. Any mounting of the product should follow the manufacturer’s instructions.

Attachments – Do not use attachments unless recommended by DIRECTV as they may cause hazards.

Satellite Dish Antenna Grounding – The outdoor satellite dish antenna used to receive satellite signals and the cable used to connect the satellite dish antenna to the indoor receiving unit are required to comply with local installation codes and the appropriate sections of the National Electric Code (NEC) and in particular Article 810-15, which covers proper installation and grounding of television receiving equipment, as well as to Article 820-33, which specifies that the satellite dish antenna cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical. These codes require proper grounding of the metal structure of the outdoor satellite dish antenna and grounding of the connecting cable at a point where it enters the house (or other building). If you are having a professional installer perform the installation, the installer must observe installation codes. This manual contains instructions on how to make the installation in compliance with the NEC. If additional local installation codes apply, contact local inspection authorities.

Example of Antenna Grounding according to the National Electrical Code instructions contained in “Radio and Television Equipment”.

Note: The DIRECTV Receiver shall be grounded through the satellite/local antenna cable before plugging into the telephone jack, and it must remain grounded thereafter.

Water and Moisture – WARNING! To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet, disconnect the antenna and cable system, and disconnect it from the telephone line. This will prevent damage to the product due to lightning and power-line surges.

Television Antenna Information – Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer. Do not locate the outside antenna system in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits, as contact with them might be fatal. If an outside antenna is connected to the DIRECTV Receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. This DIRECTV Receiver is equipped with a plug that will fit into the power outlet only one way. Do not modify the plug defeating this feature. If the plug does not fit, contact your electrician to replace your outlet. To prevent electric shock, do not use this plug with an extension cord or outlet unless you can fully insert the blades without blade exposure. Section 810 of the NEC, NFPA No. 70 1987, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Power Lines – Extreme care must be taken when installing and adjusting or maintaining the outdoor antenna and connecting cable, especially in the vicinity of overhead power lines, electric lights, or power circuits. When installing the outdoor antenna or cable, extreme care should be taken to keep from touching or approaching such power lines or circuits, as contact with them might be fatal.

Cleaning – Unplug this receiver from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use only a damp cloth for cleaning.

Object and Liquid Entry – Never push objects of any kind into this DIRECTV Receiver through openings as they may touch dangerous voltages or “short out” parts that could result in a fire or electric shock. Never spill liquid of any kind on the receiver. No objects filled with liquids, such as vases, shall be placed on the apparatus.
Servicing—Do not attempt to service this DIRECTV Receiver yourself as opening or removing covers may expose you to dangerous voltage or other hazards. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

Conditions Requiring Service—Unplug the DIRECTV Receiver from the wall outlet and refer servicing to qualified personnel under the following conditions:

- When the power supply cord or plug has been damaged.
- If liquid has been spilled on, or objects have fallen into, the DIRECTV Receiver or it has been exposed to water.
- If the DIRECTV Receiver does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Other adjustments may result in damage and will often require extensive work by a qualified technician to restore the DIRECTV Receiver to its normal operation.
- If the DIRECTV Receiver has been dropped or the cabinet has been damaged.
- When the DIRECTV Receiver exhibits a distinct change in performance.

Replacement Parts—When replacement parts are required, have the technician verify that the replacements being used have the same safety characteristics as the original parts.

Use of replacement parts specified by the manufacturer can prevent fire, electric shock, or other hazards.

Safety Check—Upon completion of any service or repairs to this DIRECTV Receiver, ask the service technician to perform safety checks recommended by the manufacturer to determine that the DIRECTV Receiver is in safe operating condition.

Your DIRECTV Receiver is able to receive upgrades or modifications to some of its features and functions. These modifications will occur automatically, usually at times when the receiver would likely be turned off. If your receiver is on when an upgrade or modification is sent, you may experience a disruption in reception for a minute or two. Your reception should return to normal after the modification is complete. Your receiver must be plugged in to receive any upgrades. Do not unplug your receiver while an upgrade is in progress. Please consult the Upgrade menu to find a schedule of upgrades or modifications planned by DIRECTV.

With this receiver (SAT-A65A, SAT-B65A) and the proper satellite dish antenna, you may be able to subscribe to local channels from DIRECTV in certain areas. Additional equipment may be required in some markets. Check with your retailer or visit DIRECTV.com for information on availability of local channels from DIRECTV in your area.
Declaration of Conformity—Standards to which Conformity is declared: FCC Part 15

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.

- Responsible Party’s Name: Sony Electronics Inc.
  Address: 680 Kinderkamack Road, Oradell, NJ 07649 U.S.A
  Telephone: 1-800-858-7669
- Trade Name: Sony
- Type of Equipment: Satellite Receiver

Federal Communications Commission (FCC)–This equipment complies with both Part 15 and Part 68 of the FCC rules.

Part 15 Compliance—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 removing and applying power to the equipment, you are encouraged to try to correct the interference by one or more of the following measures:

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

The user may find the following booklet, prepared by the Federal Communications Commission, helpful: “How to Identify and Resolve Radio and TV Interference Problems.” This booklet is available from the U.S. Government Printing Office, Washington, DC.

To meet FCC requirement, only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with Class B limits may be attached to this device. Operation with noncertified peripherals is likely to result in interference to radio and TV reception.

To meet FCC requirements, shielded cables are required to connect the device to a personal computer, peripheral, or other Class B certified device.

Part 68 Compliance—This equipment complies with Part 68 of the FCC rules. On the modem card is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, this information must be provided to the Telephone Company.

The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5). To be certain of the number of devices that may be connected to the line, contact the Telephone Company to determine the maximum number of RENs for the calling area.

If the DIRECTV Receiver (Model Numbers: SAT-A65A, SAT-B65A) terminal equipment 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 is not practical, the Telephone Company will notify you as soon as possible. Also, you will be advised of your right to file a complaint with the FCC, if you believe it is necessary. The Telephone Company may request that you remove the equipment from the network until the problem is resolved.

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 in order for you to make the necessary modifications in order to maintain uninterrupted service.

If you have trouble with the DIRECTV Receiver (Model Numbers: SAT-A65A, SAT-B65A) equipment, please contact Sony Satellite System Information Center at 1-800-858-SONY (7669) for repair and/or warranty information.

Sony must make any necessary repairs to the modem portion of this equipment in order to maintain valid FCC registration. Do not attempt to repair or service your modem. Return it to Sony.

No repairs can be made by customers. All repairs must be done by an authorized Sony Service Center. This equipment cannot be used on public coin service provided by the Telephone Company. Connection to Party Line Service is subject to state tariffs.
Getting started .......................... 1
Setup overview .......................... 1
  Attach the antenna cable ............... 2
  Connect your TV ........................ 3
  Determine antenna angles ............. 4
  Testing your system .................... 5
Adding system components ............. 7
  Connecting components ................. 7
  Connect a terrestrial antenna ......... 7
  Connect the RF remote control antenna
    (SAT-A65A only) ..................... 7
  Connecting a VCR ...................... 8
  Connect the VCR Control Cable
    (SAT-A65A only) ..................... 8
  Test the VCR (Record/Stop)
    (SAT-A65A only) ..................... 9
  Connecting a home entertainment system ......... 10
Using the remote control ............. 11
  Remote control functions ............. 15
    Installing remote control batteries . ...... 15
    Programming the remote control ....... 16
    Changing the remote default ........... 16
  Using DIRECTV INTERACTIVE™
    powered by Wink Communications® .... 16
Using the menus ....................... 17
  Purchasing pay per view (PPV) ........ 18
  Cancelling purchases .................. 18
  Setting guide preferences ............. 19
  Using the Timer ........................ 19
    To schedule or edit an event ......... 20
  Adjusting audio ........................ 20
    Using Dolby Digital audio (SAT-A65A only) .... 21
    Setting default and alternate audio .... 21
    Adjusting audio balance ............ 22
  Adjusting video ........................ 22
    Using Caller ID ........................ 23
    Using Search ........................ 23
    Adjusting system settings .......... 24
New Access Card ....................... 24
Change Receiver ID .................... 25
Set output channel .................... 25
Input key enable/disable .............. 25
Lock a channel ........................ 25
Select menu language .................. 26
Change color schemes .................. 26
Set translucency level ................. 26
Caller ID enable/disable .............. 26
Restore factory default settings ....... 26
Viewing Messages ..................... 26
Using program guides .................. 27
  Selecting a program guide style ....... 27
    Grid guide .......................... 27
    Logo guide .......................... 28
  Program guide and menu features ....... 29
  The OneLine™ Guide ................... 30
  Using Channel Mark .................... 31
Setting favorites and filters .......... 33
  Using favorite channel lists .......... 33
    Creating a channel list ............... 33
    Renaming a channel list .............. 34
    Creating an Auto Set list ............ 34
    Adding and removing all channels .... 34
  Filtering the program guide .......... 35
    Using Theme Filters .................. 35
    Selecting guide times ................ 36
Using access controls .................. 37
  Locking & unlocking the system ....... 37
    How to lock the system ............... 37
    Unlocking the system ................ 38
  Setting ratings limits ................. 38
  Setting spending and time limits ....... 39
Questions & Answers ................... 41
Manufacturers device control codes .... 45
Index ................................... 51
This chapter explains how to:

- Connect the DIRECTV satellite dish antenna to your DIRECTV Receiver (this page).
- Connect your DIRECTV Receiver to your TV (see page 3).
- Find antenna azimuth and elevation settings for your location (see page 4).
- Test the DIRECTV System operation (see page 5).

How to use this manual

This manual uses these typographical conventions to help clarify instructions:

<table>
<thead>
<tr>
<th>Text Example</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Click Cancel.</strong></td>
<td>On-screen command buttons that execute an action.</td>
</tr>
<tr>
<td><strong>Highlight the Messages button.</strong></td>
<td>Pull-down and pop-up box selections, or other option buttons within a menu pane.</td>
</tr>
<tr>
<td><strong>Press the INFO button.</strong> Connect a pair of A/V cables to the AUDIO IN jack.</td>
<td>Remote control buttons, or receiver front panel. Names of equipment cable connections on equipment.</td>
</tr>
<tr>
<td><strong>Highlight the Options tab.</strong></td>
<td>Menu tab names</td>
</tr>
<tr>
<td><strong>Display the MAIN MENU.</strong></td>
<td>Menu and pane names, names of pop-up and sub-menu panes.</td>
</tr>
</tbody>
</table>

Setup overview

At this point, you should have:

- Mounted the DIRECTV satellite antenna and pointed it in the general direction of the satellite.
- Grounded the antenna as described in your antenna installation instructions.
- Attached RG-6 coaxial cable(s) to the antenna LNB connector(s).
- Routed the other end of the antenna cable to the back of your DIRECTV Receiver.
- Placed the DIRECTV Receiver accessible to a telephone modular jack.

Ensure that you have completed these procedures, then continue to the next page to begin installing the DIRECTV Receiver.
Attach the antenna cable  You can configure your system several ways, depending on what additional components (such as a VCR, DVD player, or A/V receiver) you select. For now, however, use the simplest configuration to check your antenna and cabling.

- Ensure that the DIRECTV Receiver is **not** plugged into an electrical outlet.
- Attach the RG-6 coaxial antenna cable to the SATELLITE IN connector on the back of the DIRECTV Receiver. Refer to the appropriate figure below.

![Diagram of DIRECTV Receiver rear panel connections]

**Table 1: Rear panel connections - SAT-B65A DIRECTV Receiver**

| 1 | SATELLITE IN connector | 6 | VIDEO OUTPUT jack |
| 2 | VHF/UHF IN connector | 7 | S-VIDEO jack |
| 3 | VHF (SAT)/UHF OUT connector | 8 | TELEPHONE JACK |
| 4 | AUDIO OUTPUT (R) jack | 9 | AC POWER CORD |
| 5 | AUDIO OUTPUT (L) jack |

**Table 2: Rear panel connections - SAT-A65A DIRECTV Receiver**

| 1 | SATELLITE IN connector | 9 | AUDIO OUTPUT (L) jack |
| 2 | RF REMOTE antenna jack | 10 | AUDIO OUTPUT (L) jack |
| 3 | DATA PORT | 11 | VIDEO OUTPUT jack |
| 4 | DIGITAL AUDIO OUTPUT optical jack | 12 | VIDEO OUTPUT jack |
| 5 | VHF (SAT)/UHF OUT connector | 13 | S-VIDEO jack |
| 6 | VHF/UHF IN connector | 14 | VCR CONTROL cable jack |
| 7 | AUDIO OUTPUT (R) jack | 15 | TELEPHONE JACK |
| 8 | AUDIO OUTPUT (R) jack | 16 | AC POWER CORD |
Connect your TV

Depending on your TV, you can connect it to the receiver in one of three ways:

- S-Video cable (best picture quality)
- Video cable (very good picture quality)
- Coaxial cable (good picture quality)

In addition to your video connection, use a set of audio cables (L/R) to provide stereo sound. If your TV does not have audio jacks, you will hear monophonic audio. This is acceptable for the procedures described in the next section.

To connect your TV to the DIRECTV Receiver:

1. Select the appropriate connection:
   - If your TV has an S-Video jack –
     - Use an S-Video cable (supplied with SAT-A65A only) to connect the DIRECTV Receiver’s S-VIDEO jack to the TV’s S-VIDEO jack.
     - Use audio cables to connect the DIRECTV Receiver’s AUDIO jacks to the TV’s AUDIO IN jacks.
   - If your TV has RCA-type A/V connectors –
     - Connect the DIRECTV Receiver’s AUDIO and VIDEO jacks to the TV’s A/V IN jacks.
     - If your TV has only one AUDIO IN jack, connect the receiver’s AUDIO L jack to the TV AUDIO IN jack.
   - If your TV only has an RF (coaxial) connector –
     - Connect the DIRECTV Receiver’s VHF (SAT)/UHF OUT connector to the TV’s VHF/UHF IN or RF IN jack.

2. Connect one end of the telephone line cord provided into the DIRECTV Receiver’s PHONE JACK.
3. Connect the other end into a modular telephone outlet.
4. Plug the TV into an electrical outlet.
5. Plug the DIRECTV Receiver power cord into an electrical outlet. If the front panel Power indicator does not illuminate, press the POWER button.

Onscreen Menu Icons

These icons appear in onscreen menus and are used throughout this manual:

- **Toggle or Step** – Press SELECT to toggle (switch) a setting from “ON” to “OFF” or step through the available choices each time you press SELECT.
- **List of Options** – Menu button will display a list of choices in a pop-up menu when you press SELECT.
- **Series of Boxes** – Multiple screens will appear in a series requesting you to enter numbers and/or letters for the particular feature when you press SELECT.
Determine antenna angles

This section explains how to determine the proper antenna position. This is expressed in degrees of **azimuth** (horizontal) and **elevation** (vertical). Use the receiver front panel controls shown below to complete this procedure.

1. Press the front panel **MENU** button to display the **MAIN MENU** below.
2. Use the ▼ button to highlight the **System** tab.

   Main Menu tabs

3. Press the front panel **SELECT** button.
4. The **ANTENNA INSTALL** menu allows you to determine the correct antenna position using your 5-digit ZIP code. Enter your ZIP code and press **SELECT**.

The correct azimuth and elevation angles appear as shown below.
5. Use these values to properly align your dish antenna.

Finding antenna settings based on ZIP code
Testing your system  When you have aligned your dish antenna to the azimuth and elevation angles shown on the Antenna pane:

1. Highlight the Signal tab.
2. Use the button to highlight the Source pull-down menu
3. Signal quality is indicated by a scale at the bottom of the pane and with an audible indication. The frequency and tempo of the tone increase with signal strength.

<table>
<thead>
<tr>
<th>SIGNAL STRENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna</td>
</tr>
<tr>
<td>Signal</td>
</tr>
<tr>
<td>VCR</td>
</tr>
<tr>
<td>Prefs</td>
</tr>
<tr>
<td>Test</td>
</tr>
<tr>
<td>New Card</td>
</tr>
<tr>
<td>Upgrade</td>
</tr>
<tr>
<td>Features</td>
</tr>
<tr>
<td>Exit</td>
</tr>
<tr>
<td>Return</td>
</tr>
</tbody>
</table>

4. Highlight the Transponder pull-down menu.
5. You may need to select another transponder to achieve the highest signal indication.
6. Select the transponder providing the best signal.
7. Use the button to highlight the Test tab.
8. Highlight Begin Test and press the SELECT button.

Results appear within a few seconds and should resemble those in the figure. If your test results are much different from those shown in the figures, or you receive no signal indication, refer to page 6.

<table>
<thead>
<tr>
<th>SYSTEM TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna</td>
</tr>
<tr>
<td>Signal</td>
</tr>
<tr>
<td>VCR</td>
</tr>
<tr>
<td>Prefs</td>
</tr>
<tr>
<td>Test</td>
</tr>
<tr>
<td>New Card</td>
</tr>
<tr>
<td>Upgrade</td>
</tr>
<tr>
<td>Features</td>
</tr>
<tr>
<td>Exit</td>
</tr>
<tr>
<td>Return</td>
</tr>
</tbody>
</table>

To perform the Transponder test:

1. Move the highlight to the Xponder Test pull-down menu.
2. Press the SELECT button.
3. Press SELECT again to test the first selection on the pop-up menu.

Your results will differ slightly from those shown, depending on your geographic location and specific installation. However, if your results are very different from these examples (i.e., rows of zeros or single-digit numbers):

- Highlight the Antenna tab on the ANTENNA SETUP menu, then carefully verify your settings for accuracy.

- Re-enter your ZIP code if necessary to verify you have used the correct antenna pointing parameters for your location.
- Check your cable connections.
- Ensure the DIRECTV Receiver is connected to a modular telephone jack.

Once you have successfully obtained a signal and your test results resemble those shown in the figures, call DIRECTV (or your subscription service provider) to activate service if you have not done so already.
Adding system components

You can configure your DIRECTV Receiver several ways depending on the additional audio/video components you want to use.

**This chapter explains how to:**
- Connect a terrestrial (broadcast) TV antenna (*this page*).
- Connect the optional RF remote control antenna (*this page*).
- Connect and set-up a VCR (*see page 8*).
- Integrate the DIRECTV Receiver into your existing audio or A/V system (*see page 10*).

---

**Connecting components**

At this point, you should have:

- [ ] Verified that your system is operating properly.
- [ ] Connected your DIRECTV Receiver to your TV.
- [ ] Unplugged all components from electrical outlets.

**Connect a terrestrial antenna**

You can connect a terrestrial (broadcast) TV antenna to your DIRECTV Receiver by connecting it to the DIRECTV Receiver’s TV ANT/CABLE IN jack (refer to figures on page 2). The remote control INPUT button allows you to switch between DIRECTV® programming and input from the terrestrial antenna.

**Connect the RF remote control antenna** *(SAT-A65A only)*

The SAT-A65A DIRECTV Receiver uses an optional RF (radio frequency) remote control antenna that allows you to control your receiver from other rooms in your house.

1. Plug the RF remote control cable into the RF REMOTE connector on the DIRECTV Receiver rear panel (refer to figures on page 2.)
2. Extend the cable and place the antenna in the desired location

To achieve the best operating range from the remote control, position the antenna as high and as far away from metal objects as possible.
Connecting a VCR  Follow these instructions to connect your TV and VCR to the DIRECTV Receiver. Connect the satellite antenna RG-6 coaxial cable to the DIRECTV Receiver’s SATELLITE IN jack (refer to figures on page 2).

1. Depending on your VCR, select the appropriate connection to the DIRECTV receiver:
   
   **If your VCR has A/V connectors** –
   
   - Connect the DIRECTV Receiver’s AUDIO and VIDEO jacks to the VCR’s A/V IN jacks.
   
   **If your VCR only has an RF (coaxial) connector** –
   
   - Connect the DIRECTV Receiver’s OUT TO TV connector to the VCR’s VHF/UHF IN or RF IN jack.
   - If your VCR has only one AUDIO IN jack, connect the receiver’s lower (mono) AUDIO L jack to the VCR’s AUDIO IN jack.

2. Depending on your TV and VCR, select the appropriate method to connect the VCR to the TV:
   
   **If your TV and VCR have A/V connectors** –
   
   - Connect the DIRECTV Receiver’s AUDIO and VIDEO jacks to the TV’s A/V IN jacks.
   
   **If your TV or VCR only has an RF (coaxial) jack** –
   
   - Connect the VCR’s VHF/UHF OUT jack to the TV’s VHF/UHF IN jack.

3. Plug the TV, VCR, and DIRECTV Receiver power cords into an electrical outlet.

Connect the VCR Control Cable  (SAT-A65A only)  Using the VCR Control Cable provided, the SAT-A65A DIRECTV Receiver can control your VCR for unattended recording.

1. Plug the VCR control cable into the rear panel VCR CONTROL jack.

2. Temporarily position the other end over the VCR’s remote control sensor (normally a small dark plastic window on the VCR front panel).

The remote control sensor may be labeled or identified in your VCR manual. If it is not identified, scan the front of the VCR with your VCR remote control:

3. Hold the VCR remote control about ½-inch (1.3 cm) from the front left side.

4. Slowly move the remote control to the right as shown in the figure.

5. Repeatedly press the remote control’s power key on and off.

6. When your VCR responds to your pressing the remote control power, note the position. Temporarily tape the emitter to the position you marked until you verify that it works properly.
7. Test the VCR control feature as described below.

8. Remove the temporary mounting tape. Attach the emitter permanently with peel-and-stick backing. This will not interfere with normal VCR operation. The VCR SETUP menu provides the settings to allow the DIRECTV Receiver to communicate with your VCR.

9. Scroll through the VCR brands using the navigation buttons. If you cannot find the correct code listed for your brand of VCR, try related brands that use the same code. Your VCR may also respond to multiple codes.

10. Use the remote control SELECT button to try each code.

11. Alternate between this procedure and testing the code.

Test the VCR 
(Record/Stop) 
(SAT-A65A only)

This Record/Stop test verifies the specified brand and code controls your VCR. Before starting the test:

- Turn the VCR power on.
- Verify the VCR Control Cable is properly connected.
- Insert a recordable videotape into the VCR.

Use the DIRECTV Receiver front panel controls, rather than the remote control, to test the codes.

Test the VCR record and stop commands. If either command does not function, try other codes shown for your VCR brand. If you are unsuccessful after trying all available codes, recheck your VCR Control Cable connections and IR emitter placement.

Signals coming from the remote control at the same time as signals coming from the VCR Control cable may provide unreliable test results.
Connecting a home entertainment system

You can integrate the DIRECTV Receiver into your entertainment system to take advantage of enhanced audio and video capability. Follow these instructions to connect your DIRECTV Receiver.

- To connect the DIRECTV Receiver to your audio system, use A/V cables to connect the satellite receiver to the audio receiver’s AUDIO IN jacks. Refer to the figures on page 2 for rear panel connector locations.
- Dolby Digital - With the SAT-A65A model, you can enjoy programs that contain a Dolby Digital sound track. We recommend that you listen in surround sound for maximum enjoyment of these programs. You can connect the stereo outputs of the SAT-A65A to a receiver that contains a Dolby Surround Pro Logic decoder. This will provide you with three audio channels in the front and a mono surround channel.
- To take full advantage of Dolby Digital programming, connect the SAT-A65A digital audio output to an external 5.1-channel Dolby Digital decoder or receiver. This provides you with three front channels, two independent surround channels, and a sub-woofer channel.

1. Connect the satellite antenna RG-6 coaxial cable to the DIRECTV Receiver’s SATELLITE IN jack.
2. Connect the DIRECTV Receiver’s A/V jacks to the VCR and A/V receiver’s A/V jacks.
3. **AUX, optical connection, and digital output connections** – If your audio receiver has coaxial or optical digital connectors, connect the appropriate type of cable to the DIRECTV Receiver’s DIGITAL AUDIO OUT (SAT-A65A only) for two-channel digital stereo. If your A/V receiver is also capable of decoding Dolby Digital, use this connection in order to listen in full 5.1-channel surround sound. Additional audio information begins on page 20.
4. Connect the VCR’s A/V OUT jacks to a pair of the A/V receiver’s A/V IN jacks.
5. Connect the A/V receiver’s MONITOR OUT jack to the TV’s VIDEO IN jack.
6. Plug the components into an electrical outlet.

*Note:* If you have connected a VCR to your entertainment system in a way that routes the satellite receiver’s signal to your VCR before it reaches the TV, you may see a distorted picture if you try to record a copy-protected program. A Can’t Tape symbol in the screen banner identifies these programs. If this occurs, simply stop recording and the picture will automatically correct itself.
This chapter explains how to:

- Use the RM-Y812 and RM-Y807 remote control functions. (see page 15)
- Install and replace the remote control batteries. (see page 15)
- Program the remote to work with your system components. (see page 16)
- Access interactive programming features. (see page 16)

1 MUTING button - Mutes the volume. Press again to restore the volume. To operate your TV, you must first set up the remote control (see pages 15–16).

2 TV/VIDEO button - Switches between the inputs of your TV. To operate your TV, you must first set up the remote control (see pages 15–16).

3 TV/VCR button - Switches between the inputs of your VCR. To operate your VCR, you must first set up the remote control (see pages 15–16).

4 TV/SAT button - Switches your satellite receiver output between regular TV and satellite broadcasts. To receive regular TV broadcasts, you must have a local TV antenna or cable connection.

5 Subchannel button - Use with the 0-9 buttons to select digital video subchannels (if available).

6 DISPLAY button - Displays information for the current program.

7 EXIT button - Closes all on-screen displays.

8 MENU button - Opens the Main Menu.

9 VOL button - Adjust the volume. To operate your TV, you must first set up the remote control (see pages 15–16).

10 CODE SET button - Lets you program the remote control to operate your TV and other audio/video equipment (see pages 15–16).

11 POWER buttons - Turn on and off the Satellite Receiver, TV, and VCR. To operate your TV or VCR, you must first set up the remote control (see pages 15–16).

12 FUNCTION buttons - Select the equipment (SAT, TV, VCR) that you want to operate. The indicators light up to show which device the remote control is operating. To operate your TV or VCR, you must first set up the remote control (see pages 15–16).

13 VCR Control buttons - Operate VCR features such as play, record, pause, stop, and fast wind. To operate your VCR, you must first set up the remote control (see pages 15–16).
Using the remote control

0-9 buttons - Change channels directly and enter numerical values in onscreen displays.

JUMP button - Changes channels to the previously tuned channel.

GUIDE button - Opens the Program Guide.

FAVORITE button - Changes the guide to the next Favorite Stations.

Navigation buttons - The navigation buttons move the highlight in on-screen displays. If there is no on-screen display, the up/down buttons activate the one-line guide.

SELECT button - The SELECT button selects the highlighted item.

button - Access interactive features.

SEARCH button - Access the Search feature to find favorite programs.

CH +/-/PAGE buttons - Change channels. When a program guide is open, these buttons page through the guide.
The MUTING, SLEEP and VOL +/- buttons are set to control an audio receiver unless the Device Switch is set to “TV”. To change this setting, see Changing the remote default on page 16.

**MUTING button** - Mutes the volume of the audio receiver. Press again to restore the volume. To operate your TV, move the device switch to TV or see Changing the remote default on page 16. To operate your audio receiver or TV, you must first set up the remote control (see pages 15–16).

**SLEEP button** - Sets the audio receiver to turn off automatically after a certain amount of time (if your audio receiver has a compatible Sleep feature). To operate your TV, move the device switch to TV or see Changing the remote default on page 16. To operate your audio receiver or TV, you must first set up the remote control (see pages 15–16).

**SOUND FIELD +/- buttons** - Switches between the various Sound Field settings of compatible audio receivers. To operate your audio receiver, you must first set up the remote control (see pages 15–16).

**0-9 buttons** - Change channels directly, and enter numerical values in on-screen displays.

**Subchannel button** - Use with the 0-9 buttons to select digital video subchannels if available (for example, 2.1).

**DISPLAY button** - Opens the program information display for the current program.

**MENU button** - Opens the Main Menu.

**VOL (Volume) +/- button** - Adjusts the audio receiver volume. To operate your audio receiver or TV, you must first set up the remote control (see pages 15–16).

**Navigation button** - The navigation buttons move the highlight in the on-screen displays. When no menus are displayed, pressing the up or down navigation buttons activate the one-line guide.

**SEARCH button** - Access the SEARCH feature to find favorite programs.

**AUDIO buttons** - Changes the audio track of the current DVD in the DVD Player (if available). To operate your DVD Player, you must first set up the remote control (see pages 15–16).

**CODE SET button** - Lets you program the remote control to operate your TV and other audio/video equipment (see pages 15–16).

**AMP POWER button** - Turn on and off the audio receiver. To operate your audio receiver, you must first set up the remote control (see pages 15–16).

Continued on next page
The DIRECTV Receiver front panel buttons can provide the basic controls needed to access major DIRECTV System features. However, using the remote control simplifies accessing the basic system functions, enhances your system’s capabilities, and provides convenient shortcuts to extended features. Additionally, some remote control buttons can also control other home entertainment system components.
Remote control functions

The navigation buttons are the most versatile (and most used) remote control feature. Using only the navigation buttons, you can perform virtually all on-screen functions including:

- Selecting a highlighted screen menu item.
- Moving the screen highlight (or cursor) up, down, left and right.
- Jumping directly to the OneLine™ Guide.
- Changing channels using the OneLine Guide.

Use the navigation buttons to move up, down, left, or right through the on-screen displays.

Press the navigation buttons up or down to display the OneLine guide while you are watching a program. When the OneLine guide appears, press the navigation buttons up or down to step to the next higher- or lower-numbered channel.

Press the GUIDE button to display the current program guide. Press it a second time (while a program title is highlighted) to display the Guide Options menu.

Press the DISPLAY button to display a brief description about the program you are viewing. For more details, press it again to display the Information Banner. The DISPLAY button provides scheduling information (and pay per view purchase information) about the program highlighted in the program guide. See Chapter 5 – Using program guides, on page 27 for more information.

Use the CHANNEL (CH +/-) button to move up or down to the next available channel in the OneLine Guide or scroll through a page of program guide selection.

Press the EXIT button to exit from any on-screen guide, remove banners, or terminate an action.

RM-Y807 Remote Control:
Move the device switch to SAT to control the DIRECTV Receiver. The other positions on the device switch indicate the devices they control.

RM-Y812 Remote Control:
Press the SAT function button to control the DIRECTV Receiver. The other function buttons indicate the devices they control.

Installing remote control batteries

To install or replace the remote control batteries:

1. Locate the battery compartment on the back of the remote control.
2. Remove the battery compartment cover.
3. Insert two “AA” size batteries as shown, observing the correct polarity.
4. Replace the battery compartment cover.
Programming the remote control

The RM-Y807 and RM-Y812 remote controls can be programmed to operate your other audio/video equipment.

1. Find the code(s) for the manufacturer of the device you want to operate with this remote control. You can find these codes on pages 45 and 46.
2. Press the CODE SET button.
3. Press the 0-9 buttons to input the manufacturer code. Then Press the SELECT button. The remote is set up to operate that device.
4. Test the remote control. Press the POWER button for that equipment, then press other operation controls such as the (CH +/−) buttons. If the device does not respond to the remote control, repeat the procedure from step 2 and enter a different manufacturer code in step 3.

Changing the remote default

The RM-Y807 remote is set to control an audio receiver using the MUTING, SLEEP, and VOL +/− buttons unless the device switch is set to TV. This setting can be changed so that these buttons always control the TV.

1. Press the CODE SET button.
2. Use the 0-9 buttons to enter the numbers “1,” “0,” “0,” then press the SELECT button. Press the SELECT button a second time.
3. The MUTING, SLEEP, and VOL +/− buttons are now always set to control the TV.
4. To return to the default setting, follow the above step, but enter the numbers “9,” “9,” “9” in step 2.

Using DIRECTV INTERACTIVE™

DIRECTV INTERACTIVE™ powered by Wink Communications® is a free, easy-to-use service that allows you to interact with the television shows and advertisements. When the blinking symbol appears in the upper left part of your screen, you know that the program you're watching has been enhanced with DIRECTV INTERACTIVE™.

Simply press the button on your remote control. You can use your remote control to access up-to-the-minute sports scores, news and weather, get program trivia, respond to offers during commercials, and purchase products, all while watching TV.

Select the DIRECTV INTERACTIVE™ Center menu bar, then follow the simple directions provided on the subsequent screens.
This chapter describes:

- How to find the menus you need to perform common tasks (this page).
- How to purchase pay per view events (see 18).
- Using the Timer (see 19).
- How to set and modify preferences (see 19).

The table below lists the MAIN MENU tabs, their submenus, and what they do.

<table>
<thead>
<tr>
<th>Main Menu tab</th>
<th>Screens (see page)</th>
<th>If you want to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Guide</td>
<td>Program Guide</td>
<td>• View and modify the program guide.</td>
</tr>
<tr>
<td>Guide Options</td>
<td>Theme (19)</td>
<td>• Change the name of a program list.</td>
</tr>
<tr>
<td></td>
<td>Times (36)</td>
<td>• Change the period of time shown in the program guide</td>
</tr>
<tr>
<td></td>
<td>Favorites List</td>
<td>• Create/edit up to four channel lists (Fav. A, Fav. B, Fav. C, Family)</td>
</tr>
<tr>
<td></td>
<td>Favorites Setup</td>
<td>• Create a program listing that contains selected channels</td>
</tr>
<tr>
<td></td>
<td>Set Options</td>
<td>• Guide Options:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Guide style (grid or Logo)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Picture in guide, zoom (on or off)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Multi-Color guide (on or off)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Channel Sort (numeric or alpha)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Filters (temporary or persistent)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Reset options to the default selections</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– Set and edit Channel Mark guide channels</td>
</tr>
<tr>
<td>Audio &amp; Video</td>
<td>Audio Adjustment</td>
<td>• Set Default Audio language</td>
</tr>
<tr>
<td></td>
<td>(20)</td>
<td>• Set Alternate Audio language</td>
</tr>
<tr>
<td></td>
<td>Video Adjustment</td>
<td>• Set left/right audio balance</td>
</tr>
<tr>
<td>Caller ID</td>
<td>Caller ID (23, 26)</td>
<td>• View names &amp; telephone numbers of recent callers</td>
</tr>
<tr>
<td>Timer</td>
<td>Schedule (20)</td>
<td>• Automatically tune to programs for viewing or taping</td>
</tr>
<tr>
<td>Search</td>
<td>Setup (23)</td>
<td>• Search for programming using specific words</td>
</tr>
<tr>
<td></td>
<td>Results (23)</td>
<td>• Display search results</td>
</tr>
<tr>
<td>Interactive</td>
<td>DIRECTV INTERACTIVE™ (16)</td>
<td>• Access interactive programming features</td>
</tr>
<tr>
<td>Purchases</td>
<td>Upcoming &amp; Past</td>
<td>• View a list of scheduled pay per view event</td>
</tr>
<tr>
<td></td>
<td>Purchases (18)</td>
<td>• Display recently purchased pay per view events</td>
</tr>
<tr>
<td>Locks &amp; Limits</td>
<td>Lock (37)</td>
<td>• Lock and unlock the system</td>
</tr>
<tr>
<td></td>
<td>Fav Setup (33)</td>
<td>• Set viewing times and maximum viewing hours</td>
</tr>
<tr>
<td></td>
<td>Rating (38)</td>
<td>• Create/edit up to four channel lists (Fav. A, Fav. B, Fav. C, Family)</td>
</tr>
<tr>
<td></td>
<td>Limits (39)</td>
<td>• Set maximum program rating allowed for viewing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Select programming content to be shown in the program guide</td>
</tr>
<tr>
<td>Messages</td>
<td>Mail (19)</td>
<td>• Read messages from DIRECTV</td>
</tr>
<tr>
<td>System</td>
<td>Install (2)</td>
<td>• Determine proper antenna azimuth and elevation setting</td>
</tr>
<tr>
<td></td>
<td>Signal (4)</td>
<td>• Test signal reception</td>
</tr>
<tr>
<td></td>
<td>VCR (7)</td>
<td>• Setup VCR for unattended recording (SAT-A65A only)</td>
</tr>
<tr>
<td></td>
<td>_prefs (19)</td>
<td>• Test system operation</td>
</tr>
<tr>
<td></td>
<td>Test (5)</td>
<td>• Prepare a new access card</td>
</tr>
<tr>
<td></td>
<td>New Card</td>
<td>• Display upgrade status and history</td>
</tr>
<tr>
<td></td>
<td>Upgrade</td>
<td>• Display current receiver features</td>
</tr>
<tr>
<td></td>
<td>Features</td>
<td></td>
</tr>
</tbody>
</table>
**Purchasing pay per view (PPV)**

Select the **Purchases** menu tab to display lists of recently viewed and advance purchased pay per view events. You can choose **PAST PURCHASES** and **UPCOMING PURCHASES**. The event channel, title, start date and time, and cost is shown for each purchase.

![Pay per view purchases list](image)

The **PAST PURCHASES** pane shows recent pay per view events charged to your account. You cannot remove listed events. The list does **not** show:

- events purchased, but later canceled.
- purchased, cancelable events to which the DIRECTV Receiver never tuned.
- events ordered by calling DIRECTV.

The **UPCOMING PURCHASES** pane displays:

- PPV events you have purchased but not yet viewed
- PPV events purchased but never viewed.

Events ordered by calling DIRECTV do **not** appear on this list. For additional information about a specific event, highlight the event and press the **DISPLAY** button.

**To purchase a pay per view event:**

1. Highlight the **Buy** menu pane option
2. Press **SELECT**
3. Press **SELECT** again to confirm your purchase.

**Cancelling purchases**

You may cancel some events after purchasing them. You can usually cancel unviewed purchases, however **some** events cannot be cancelled. If the **Cancel Purchase** button appears, you can clear the purchase. If this button is unavailable, part of the event has probably already been viewed, and you must accept the purchase.

**To cancel a Pay Per View event:**

1. Highlight the event you want to cancel.
2. Press **SELECT** on the remote control.
3. Use the pop-up menu panel to cancel the purchase.

---

*If you are not authorized for purchases using your DIRECTV Receiver, contact DIRECTV for assistance.*
Setting guide preferences

Highlight and SELECT the Guide Options tab from the MAIN MENU. The Options screen (shown below) allows you to customize operation to best suit your needs.

Using the Timer

You can program up to 32 events in advance for viewing or unattended recording. The Timer will tune to a program at a specific date and time, or tune on a repeating basis. As shown below, you can:

- Schedule programs for viewing (✓)
- Schedule programs for taping (SAT-A65A only)
- Select Cancel from the menu if you decide not to schedule anything.
To schedule or edit an event

You can schedule events up to eleven months in advance.

The Schedule pane displays up to seven previously scheduled events at a time. If more than seven events are already scheduled, use the navigation buttons to scroll down to view the additional events. Small arrows at the top or bottom of the list indicate that there are additional events.

To schedule a program:

1. Highlight an upcoming program in the program guide and press SELECT. Press SELECT again to cycle through the next available option.
   If you choose a scheduling option, the DIRECTV Receiver will turn on (if necessary) and tune to the specified channel at the chosen date and time.

2. If you chose Schedule to Tape (SAT-A65A only) and you have set up your VCR (see 7), the DIRECTV Receiver will record the event. For unattended recording:
   – Attach the VCR Control Cable and set up your VCR.
   – Set your VCR for the correct DIRECTV Receiver output: RF (channel 3/4) or A/V (phono or S-Video).
   – Insert a blank videotape and leave the VCR turned on.

3. Use the navigation buttons to specify AM or PM (or N for noon, or M for midnight if you specified 12:00).

4. Use the same procedure to set the program Length in hours and minutes.

5. Use the navigation buttons to advance to the Frequency column.

6. Specify when, or how often, the event occurs: Today, Tomorrow, Every Mon, Every Tue, Every Wed, Every Thu, Every Fri, Every Sat, Every Sun, Everyday, Mon-Fri, or “/” (specify a date).

7. After setting the Frequency, use the navigation buttons to advance.

8. Review your settings and choose OK, or choose Cancel to delete the edits.

To cancel a program scheduled for viewing or taping:

Find the upcoming program in the program guide you wish to cancel and press SELECT until the check mark (✓) or videotape icon (.mixer) disappears.

If the program is currently airing, you must delete the event from the Schedule menu pane accessed from the TIMER menu.

Adjusting audio

From the MAIN MENU, highlight and SELECT the Audio & Video tab. From the AUDIO ADJUST menu pane, you can change:

- Default Audio and Alternate Audio
- Audio Left/Right Balance
- TruSurround® Audio Processing (SAT-A65A only)
- Dolby Digital Output (SAT-A65A only)
- Output Optimization
Using Dolby Digital audio (SAT-A65A only)

Select the Dolby Digital audio (SAT-A65A only), then use the CHANNEL (CH +/-) button to step through the audio tracks for the current program. For programs that are offered in Dolby Digital, the double-D symbol ( ) appears with the audio track title.

Setting default and alternate audio

Your DIRECTV Receiver supports alternate audio services. Icons below the date and time in the Information Banner or program guide indicate if these services are available for a particular program.

1. Press the remote control INPUT button to access these services.
2. Highlight the desired language.
3. Press SELECT.

Occasionally, an audio track may be offered that is not being broadcast, in which case the audio will not change or you will not hear any audio. Change channels to restore the audio track to the one specified on the AUDIO ADJUSTMENT menu pane.
**Adjusting audio balance**  To adjust the left/right audio balance, highlight and **SELECT** *Audio Balance*.

![Audio Balance](image)

Use the navigation buttons to increase or decrease the *Audio Balance* settings in the pop-up menu.

---

**Adjusting video**  Adjust video display brightness, contrast, and saturation for the best on-screen image. (*SAT-A65A only*)

1. Highlight the *Audio & Video* tab from the **MAIN MENU**.
2. Press **SELECT**.
3. Highlight the *Video* tab.
4. Highlight the *PicturePerfect* menu pane button.
5. Press **SELECT**.

![Video Adjustment](image)

Use the navigation buttons to increase/decrease the screen *Brightness*, *Contrast*, and image *Saturation* settings in the pop-up menu.
Using Caller ID
Your DIRECTV Receiver shows you the name and telephone number (if available) of incoming telephone calls on your TV.

You can also see the name, time, and telephone number of recent calls on your TV as shown in the figure below.

You must subscribe to Caller ID from your local telephone company to use this feature.

Highlight and SELECT the Caller ID tab from the MAIN MENU.

Using Search
Use Search to find shows that have specific words used in titles or descriptions.

Press the remote control SEARCH button to access the setup pane shown below.

You can specify up to eight search words or partial words to identify programming of interest to you. Program titles and guide descriptions containing your search words appear in the Result pane.

Highlight and SELECT one of the eight choices. A pop-up panel appears where you can enter a search word. If you enter “ALIEN,” Search might find the movie “Aliens” as well as any program which includes the word “alien” in the description.
Use the pop-up button board to enter search words. You can highlight and select the toggle icon on the default button board (see figure) to change it to a standard keyboard layout, if you desire. Highlight the desired letter using the navigation buttons. Press SELECT to enter the letter. Select OK when you are finished entering the desired search words.

**Adjusting system settings**

Select the System tab from the MAIN MENU to access the system functions described in this section.

**New Access Card**

Highlight the New Card tab to set the receiver to use a new DIRECTV access card. SELECT the Prepare new card menu button and follow the on-screen instructions.

Use the PREFERENCES menu pane (shown in the figure below) to change the appearance of the on-screen menus and select how your DIRECTV Receiver operates with other devices. The PREFERENCES pane also allows you to:

- Change the receiver ID
- Set the receiver output channel to channel 3 or 4
• Enable or disable the INPUT button on your remote control.
• Lock the system on a particular channel.
• Select English or Spanish language menus.
• Enable or disable Caller ID on and off.

Change Receiver ID
If you are using more than one satellite receiver in the same room you may want to change the receiver ID to avoid any interference. If you are not using the RF antenna supplied with the SAT-A65A DIRECTV Receiver, the ID can be either “50” or “51”.

If you are using the RF antenna and RM-Y807 remote control (SAT-A65A only), the RF ID can be a number from 00 to 15.

1. Press the CODE SET button on the remote control.
   2a. Changing IR receiver ID: Check that the RF antenna is not connected to the satellite receiver. Enter the desired receiver ID number, either “50” or “51”, and press the SELECT button twice.
   2b. Changing RF receiver ID: Check that the RF antenna is connected to the satellite receiver and that you are using the RM-Y807 remote control (SAT-A65A only). Enter the desired receiver ID number from “00 to “15”, and press the SELECT button twice.

3. Check that the ID has been successfully set by testing the remote control to see that it controls that satellite receiver.

Set output channel
Use the Output Channel menu button to toggle between channels 3 and 4, whichever is unused in your area.

Input key enable/disable
The Input Key menu button allows you to turn the remote control TV/SAT button on and off.

Lock a channel
Use the Channel Set menu button to set the DIRECTV Receiver to permanently stay on a specific channel. When you enter a channel number (5-0-0, for example) then select OK, the receiver will always power up on that channel (channel 500 in this example). The receiver will ignore any attempts to change the channel. Set this option to “Off” to permit normal channel selection.
Select menu language  The **Menu Language** button allows you to display on-screen menus in English (default) or Spanish.

Change color schemes  You may select a menu color combination, or *scheme*, from these choices: *Ocean*, *Storm*, *Foam*, or *Purple*.

Set translucency level  The Translucency level of the on-screen display may be set to *Solid*, *Heavy*, *Medium*, or *Light*.

Caller ID enable/disable  Use the **Caller ID** menu button to turn the Caller ID feature on and off. Incoming calls will not be displayed on-screen when the Caller ID feature is disabled.

Restore factory default settings  SELECT the **Factory Defaults** menu button to restore the **PREFERENCES** options to the original factory settings.

Antenna, Signal, and Test functions are described Chapter 1 – *Getting started*.

---

**Viewing Messages**

DIRECTV uses the **MESSAGES** feature to send you important information to inform you of special events, and tell you about special offers. When you receive a new message, a *New Mail* icon appears at the top of all menus until you read the message. Highlight and SELECT the **View Messages** tab from the **MAIN MENU**.

![VIEW MAIL menu pane](image)

**Message**  – Cycle through multiple messages. SELECT the **Messages** button. Use the navigation buttons to navigate messages.

**Page**  – Use the CHANNEL (CH +/-) button to cycle through multi-page message.

**Erase**  – Permanently remove a message. Messages are automatically deleted as they become outdated or if space is needed for newer incoming messages.
This chapter describes:

- The different program guide styles (see page 27).
- Common program guide and menu features (see page 29).
- How to use the OneLine™ Guide (see page 30).
- How to set-up and use the Channel Mark Guide (see page 31).

Selecting a program guide style

Personalize the program guide to show program listings that interest you. You determine how your choices appear onscreen by your guide selection. Available guide styles are:

- **Grid** with Picture-in-Guide or description
- **Logo** with Picture-in-Guide or description

**Grid guide**

- Easy to see what programs are available at a particular time.
- Shows up to 72 hours of current and upcoming programming.
- **Picture-in-Guide** displays the current program in the upper right corner.
- You can browse five channels of current and future programming at a time.
- Active ad highlights provide “one-click” access to products and services.
- Programs appear in a row with the channel on which they are broadcast.

Grid guide with Picture-in-Guide active

If a program title cannot entirely fit in the space provided, an ellipsis (…) indicates that a portion of the title is not shown.

- Browse up or down one channel at a time with the navigation buttons when the highlight is in the grid.
- Use the remote control CHANNEL (CH +/-) button to scroll through a full page of guide entries at a time.
- Move the highlight to the right to show later time periods.
The guide time expands to two hours when active ad highlights are unavailable. You can also turn the Picture-in-Guide feature off as shown in the figure below.

To turn off the Picture-In-Guide feature:

1. Press the remote control GUIDE button.
2. Press the GUIDE button again to access the Options menu tab.
3. Highlight the Picture-in-Guide menu button.
4. Press SELECT to toggle the feature off.

**Logo guide**

- Select your favorite channels, rather than selecting specific programs.
- The current program title appears above the logo grid as you highlight each channel. Only current programming is available in the Logo Guide.
- Video of the current program appears in the Picture-in-Guide window as you highlight each channel.

Use the CHANNEL (CH +/-) button to scroll through the guide entries a full page at a time, or use the navigation buttons to scroll through the guide entries one at a time.

Turn off the Picture-in Guide feature to display the most channels per screen, using the description-only mode (as shown at the top of page 29).
To select a guide style:

1. Press the remote control MENU button.
2. Use the navigation buttons to highlight and SELECT the Guide Options menu tab.
3. From the Options menu tab, highlight your selection and press SELECT.
4. Highlight and SELECT the Exit tab to return to the program you were viewing.

Program guide and menu features

The on-screen guides and menus provide a logical and convenient way to access system features and settings. Every guide and menu contain these elements:

- The guide or menu title
- The day of the week, date, and time appear in the upper right corner
- Menu pane selection tabs

- Use the navigation buttons to move the highlight from tabs into menu panes.
• Below the date and time, small icons indicating the status of the system or details about the currently highlighted program title may appear. These icons also appear in the Channel Banner as shown below.

• The Channel Banner appears at the top of the screen whenever you use the CHANNEL (CH +/-) button to change channels. Press the remote control DISPLAY button to display the banner at any time.

More detailed information appears in the Info Banner beneath the Channel Banner if you press the DISPLAY button a second time. Banners disappear from the screen after a few seconds, but you can remove them from the screen instantly by pressing the EXIT button on the remote control.

The OneLine™ Guide

The OneLine™ Guide appears across the bottom of your screen when you press the navigation buttons up or down while watching TV. You will see the channel call sign and number, titles, and program start and end times as shown below.

• Use the navigation buttons to scroll to right to see upcoming program titles.
• Use the navigation buttons to move up or down while using the OneLine Guide to see the next or previous available channel. Press SELECT to tune to the channel.
• You can also enter a channel number using the numeric keypad to display the OneLine Guide for that channel. OneLine Guide content varies according to FAV LIST menu selections and other filters.
• Press the EXIT button on the remote control to instantly remove the guide.
Using Channel Mark

The Channel Mark feature is a quick access guide to nine of your favorite channels.

- While no other menus are displayed, press the SELECT button on the remote control to show the Channel Mark panel.
- Use the navigation buttons to highlight the desired channel. The panel header displays the title of the program currently airing on the highlighted channel.
- Press SELECT to tune to that channel.

To set TurboTune channels:

- Select Guide Options from the MAIN MENU, then use the Ch. Mark menu tab.
- Highlight an unassigned channel box and press SELECT.
- Enter the desired channel using the navigation buttons, numeric remote control buttons, or the CHANNEL (CH +/-) button.
This chapter explains:

- How to create a channel list (this page).
- How to rename a channel list (see page 34).
- Using Auto Set, Add All, and Del All functions (see page 34).
- How to use program guide Theme filters (see page 35).
- How to change guide times (see page 36).

Using favorite channel lists

Channel Lists are provided to help you organize the hundreds of available channels into groupings suitable for your household. Each list can contain as many or as few channels as you wish. You can customize these groups several ways. For example, Fav. A could be Dad’s favorite channels, Fav. B could be Mom’s favorites, Fav. C could be the kids’ channels, and Family could be all channels that Mom and Dad have deemed appropriate for the entire family.

Creating a channel list

1. Press the remote control MENU button.
2. Select the Guide Options from the MAIN MENU.
3. Use the navigation buttons to highlight the Fav Setup tab.
4. Press SELECT to open the FAVORITE LIST SETUP pane shown below.

The four columns of small boxes on the right hand side of the pane are the Tag Boxes. The first three columns are the Fav.A, Fav.B, and Fav.C. channel lists. The farthest right hand column is the Family list.

Note: If the receiver is locked, only existing Family list channels are accessible. If the Family list has not had channels added to it, no channels can be viewed without first unlocking the receiver. To avoid this inconvenience, create the Family list before locking the receiver. See Chapter 7 – Using access controls, on page 37 for additional details about controlling system access.

5. Use the navigation buttons to highlight the tag box that corresponds to the channel number and list that you wish to create or change.
6. Press SELECT to add or remove the check mark, which indicates that the channel in that row is included in the list shown at the top of the column.
To help you decide whether to include or exclude a certain channel, the title of the program currently airing on that channel appears at the top of the screen.

7. Scroll up or down to view channels and descriptions. Press SELECT to add channels to your list.

8. When you have added all of the channels you want to your list, use the navigation buttons to highlight and SELECT the Exit tab to resume viewing.

Once you have created your lists, use the remote control FAVORITE button to cycle through them quickly and easily. Each press cycles to next channel list. You can also select a list by highlighting the Fav List tab.

**Renaming a channel list:**

1. Highlight the Rename button and press SELECT.
   
   A Rename List pop-up menu appears. You can rename the first three lists. You cannot rename the All and Family lists.

2. Highlight the list you wish to rename and press SELECT. A buttonboard pop-up panel appears.

3. Highlight the desired letter using the navigation buttons.

4. Press SELECT to enter the letter.

5. When finished, Select OK.

**Creating an Auto Set list**

1. SELECT the Auto Set button. A pop-up menu appears showing each of the channel lists.

2. Highlight and SELECT a channel list to be programmed.

   Once selected, the Auto Set Progress pop-up status panel appears. It may take several minutes for the receiver to scan through all of the channels and determine which ones you are authorized to receive. The results of this scan will be stored in the designated channel list.

   **Note:** Auto Set may exclude some channels such as the Music Choice channels or include some pay-per-view channels. This does not mean that the receiver is faulty. These channels were excluded or included due to the DIRECTV Receiver’s analysis process. You can manually edit the lists to correct these oversights.

**Adding and removing all channels**

Selecting the Del All menu button clears all channels from the list you have chosen. Add All has the opposite effect, creating a list of all the channels you are authorized to receive.
Filtering the program guide

Press the remote control GUIDE button while in a guide. A pop-up menu provides filtering tools and ways to access other guide styles. By combining each of these filter options, you can quickly narrow down channels to those that match your viewing interests.

Using Theme Filters

From the MAIN MENU, select the Guide Options tab. The CATEGORY FILTER menu appears, listing all available program category groups.

After choosing a category (other than All), the drop-down menu is replaced by the Types pop-up menu. This menu allows you to further refine a chosen theme. In addition to All, you can select popular categories that can be quickly selected using the remote control GUIDE button.

For example, if you chose Lifestyles for the category, you can now choose a subcategory such as Beauty, Collectible, Cooking, Exercise/Fitness, and others as shown in the figure below.

After selecting one of these subcategories, the guide will be further filtered to show only those channels offering programs of the selected category and type.
Selecting guide times

Highlight the Times menu tab. The GUIDE TIMES menu shown below provides easy access to future programming information. Simply select the time you want the guide to begin. After a few seconds, the selected guide appears.
This chapter explains:

- How to lock and unlock the system (this page).
- How to set maximum rating limits (see page 38).
- Setting maximum spending and time limits (see page 39).

**Locks & Limits** provides settings to help you control the viewing restrictions of DIRECTV® programming. When accompanied by the channel lists, these limits provide a great degree of control. The DIRECTV Receiver must be locked for the TV Timer, Rating and Spending limits to be enforced.

**Locking & unlocking the system**

When you first receive your satellite system, it will be unlocked; (i.e., no limits or restrictions are in effect). You must lock the system to enforce the limits (spending, ratings, TV timer, and “Family” favorite list).

**Note:** Once the DIRECTV Receiver is locked, only existing Family list channels will be accessible. If the Family list does not contain any channels, no channels can be viewed without first unlocking the receiver. To avoid this, verify the contents of the Family list before locking the receiver.

**How to lock the system**

When you SELECT the Lock button, the LOCK SYSTEM pop-up panel appears.

1. Enter a four-digit passcode using the remote control.

2. Highlight and SELECT OK.

3. Enter the code again to confirm.

4. Highlight and SELECT OK.

Once you select OK, the satellite receiver is locked. You must enter the passcode to unlock it. A lock symbol icon appears at the top of every menu screen to remind you that the system is locked.
Unlocking the system

To remove the lock and its restrictions:

1. Highlight the **Locks & Limits** tab from the **MAIN MENU**.
2. **SELECT** the **Unlock** menu button.
3. Enter the code you entered to lock the system.

*The button used to lock the system is also used to unlock the system.*

Once the system is unlocked, **all limits and restrictions are removed!** Choose **Cancel** to keep the lock in effect.

Setting ratings limits

Program ratings indicate the suitability of a program’s content for a given audience.

Highlight the **Ratings** tab. **Highlight and SELECT** the type of programming content you wish to restrict.

For example, if you select the violence menu button, a ratings pop-up submenu appears as shown in the figure on **page 39**.
Highlight and SELECT the highest rating for violent program content you wish to allow. You may choose to *Block All* or *Allow All* instead of setting a specific limit.

**Setting spending and time limits**

Highlight the **Limits** tab to set the maximum spending limit. You can set the maximum purchase price on a per-event basis.

**To change the displayed limit:**

1. Highlight the *Max Spending* button
2. Press SELECT to display the **SPENDING LIMIT** pop-up panel.

Use this menu to set the specific hours and maximum hours the satellite receiver can be used for viewing.

3. Use the number buttons on the remote control to set the limit or use the navigation buttons to increase or decrease each digit.
4. Use the navigation buttons to highlight the digit that you want to change.
   The maximum limit is $655 per event.
5. Highlight **OK** and press SELECT to confirm the entered amount.
Questions? Did we forget to tell you something? We have compiled some of the most common questions and their answers here. We hope they help!

**Q** I had a signal but now I am getting a message “Searching for satellite signal. To access related utilities, press SELECT.” What happened?

**A** Rain clouds and snow can affect the satellite signal reception. This loss of signal is temporary. Also check for new growth on trees and bushes that could be blocking the signal. One other possibility is that the wind or someone has moved the satellite dish antenna.

**Q** Why can’t I control my TV?

**A** Before you can control your TV, VCR, or any other device, you must program your remote control to match your different devices. See Chapter 3 – Using the remote control in this manual for specific instructions. If you have already successfully programmed your remote control, try pressing the appropriate function key or sliding the device switch to the appropriate device to put your remote in the proper mode. Then try controlling that device. Also, make sure that the batteries in the remote control are fresh.

**Q** My satellite receiver does not respond when I press keys. What’s wrong?

**A** Most likely, if the front panel keys work but the remote control doesn’t work, try pressing the SAT button (or moving the device switch to SAT on the RM-Y812 remote) before trying to control the digital satellite receiver. If that doesn’t work, or if the front panel buttons don’t work either, unplug your digital satellite receiver for 30 seconds, then plug it back in.

**Q** Some channels look good, while others freeze or indicate that no signal is available. What’s wrong?

**A** The most common causes for this behavior relate to an improperly grounded satellite cable. Check the cable between your digital satellite receiver and the satellite dish antenna. Confirm that RG-6 (not RG-59) cable is used and does not exceed 100 feet in length. Longer cable runs require amplification. This special amplifier is available from your dealer.

**Q** How can I watch one channel while recording another?

**A** With only one digital satellite receiver, unfortunately, you can’t. Each receiver can only decode one channel at a time.

**Q** I’m getting a message to call a telephone number. Why?

**A** There are many different reasons for this. If you want to watch the channel that is displaying the message, call DIRECTV at 1-800-347-3288.

**Q** Why don’t I have an on-screen offer to purchase pay per view programs?

**A** There are three possibilities; your digital satellite receiver must be connected to a phone line and it is not, or DIRECTV doesn’t realize that your phone line is connected or has disabled your ability to make on-screen purchases. Call DIRECTV at 1-800-347-3288 for assistance.
Q I don’t see Caller ID information appear on screen when I receive a telephone call. What could be wrong?
A There are several possible reasons. First, check that the satellite receiver is connected to an active telephone jack. Verify that the Caller ID feature is turned on (refer to page 26). Confirm that you subscribe to Caller ID service from your telephone company. Also check that your antenna is properly grounded as shown on page iv, as this can affect how the Caller ID feature works.

Q Can I receive my local TV programs through my digital satellite receiver?
A There are three ways to receive local programming:

- If you are in an area where local programming is available via satellite and have the proper satellite dish antenna, contact DIRECTV to arrange for the necessary subscription package.
- Install a traditional antenna (i.e., roof mounted, attic mounted, rabbit ears).
- Arrange for basic or “lifeline” cable TV service from your local cable company.

If you select item 1 above, your local programming appears in the program guide like any other channel. For options 2 or 3, connect the local signal to the IN FROM ANTENNA jack on the back of your digital satellite receiver. Use the TV/SAT key to switch between DIRECTV® programming and local programming provided on the OUT TO TV connector.

Q If I have questions about my satellite system or need to have it serviced, who should I call?
A For questions about your equipment, contact the Sony Satellite Information Center at 1-800-838-SONY (7669).
If you need assistance with your subscription, such as adding channels, contact DIRECTV at 1-800-347-3288.

Q I think I set an event to record on my VCR, but when I played the tape back nothing was there. What could be wrong?
A There are several possible reasons for this. First, check that the VCR was programmed correctly and left turned on and the input matches the output from your digital satellite receiver. Confirm that you were authorized to tape the chosen program.

Q Why do I need to connect the satellite receiver to a telephone line?
A The telephone connection is used by the satellite receiver to report purchase activity to DIRECTV.

Q Why do I need to connect the satellite receiver to a telephone line?
A The telephone connection is used by the satellite receiver to report purchase activity to DIRECTV.
Q  I picked up my telephone and it was making a hissing and squealing sound. Why?

A  Your digital satellite receiver was reporting any pay per view activity that may have occurred. This rarely happens and only lasts for a minute or so.

Q  What if my question isn’t listed here?

A  Contact your dealer or the Sony Satellite Information Center at 1-800-838-SONY (7669).
The RM-Y807 and RM-Y812 remote controls are compatible with most models of the following brands:

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
<th>Manufacturer</th>
<th>Code</th>
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<td>101</td>
<td>Sony</td>
<td>301, 302, 303</td>
</tr>
<tr>
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<td>102, 109, 114</td>
<td>Aiwa</td>
<td>338</td>
</tr>
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<td>ABC</td>
<td>112</td>
<td>Audio Dynamic</td>
<td>314, 347</td>
</tr>
<tr>
<td>Bell &amp; Howell (M. Ward)</td>
<td>109, 114, 138</td>
<td>Bell &amp; Howell (M. Ward)</td>
<td>330, 343</td>
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<td>Broksonic</td>
<td>103, 112</td>
<td>Broksonic</td>
<td>317, 319</td>
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<tr>
<td>Craig</td>
<td>120–123</td>
<td>Canon</td>
<td>308, 309</td>
</tr>
<tr>
<td>Croslex</td>
<td>111</td>
<td>Citizen</td>
<td>332</td>
</tr>
<tr>
<td>Curtis Mathes</td>
<td>103, 119, 123</td>
<td>Craig</td>
<td>302, 315, 332</td>
</tr>
<tr>
<td>Daewoo</td>
<td>103, 135, 136</td>
<td>Curtis Mathes</td>
<td>304, 309, 338</td>
</tr>
<tr>
<td>Dayton</td>
<td>113</td>
<td>Daewoo</td>
<td>309, 312, 341</td>
</tr>
<tr>
<td>Emerson</td>
<td>103, 113, 115, 120–123</td>
<td>DBX</td>
<td>314, 336, 337</td>
</tr>
<tr>
<td>Fisher</td>
<td>125</td>
<td>Dimensia</td>
<td>304</td>
</tr>
<tr>
<td>General Electric</td>
<td>102, 103, 107, 118</td>
<td>Emerson</td>
<td>316–320, 341</td>
</tr>
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<td>Goldstar</td>
<td>103, 112, 113, 130</td>
<td>Fisher</td>
<td>330, 333–335</td>
</tr>
<tr>
<td>Hitachi</td>
<td>103, 113, 131, 132</td>
<td>Funai</td>
<td>338</td>
</tr>
<tr>
<td>JCPenney</td>
<td>102, 103, 107, 118, 130</td>
<td>General Electric</td>
<td>304, 309, 329</td>
</tr>
<tr>
<td>JVC</td>
<td>128, 129</td>
<td>Go Video</td>
<td>322, 339, 340</td>
</tr>
<tr>
<td>KTV</td>
<td>103, 113, 123, 133, 134</td>
<td>Goldstar</td>
<td>332</td>
</tr>
<tr>
<td>LXI (Sears)</td>
<td>102, 103, 111, 112, 119, 125</td>
<td>Hitachi</td>
<td>304, 305, 306, 338</td>
</tr>
<tr>
<td>Magnavox</td>
<td>107, 111–113</td>
<td>HQ</td>
<td>315</td>
</tr>
<tr>
<td>Mitsubishi/MGA</td>
<td>103, 112, 124</td>
<td>Instant Replay</td>
<td>308, 309</td>
</tr>
<tr>
<td>NEC</td>
<td>103, 112</td>
<td>JC Penney</td>
<td>304, 305, 309, 314, 330, 336, 337</td>
</tr>
<tr>
<td>Panasonic</td>
<td>107, 116–118</td>
<td>JVC</td>
<td>314, 336, 337</td>
</tr>
<tr>
<td>Philco</td>
<td>109, 111, 118</td>
<td>Kenwood</td>
<td>314, 332, 336, 337</td>
</tr>
<tr>
<td>Philips</td>
<td>111</td>
<td>Lexicon</td>
<td>305, 330, 332–335, 338</td>
</tr>
<tr>
<td>Pilot</td>
<td>103</td>
<td>Magnavox</td>
<td>308–310</td>
</tr>
<tr>
<td>Pioneer</td>
<td>118, 119, 137</td>
<td>Marantz</td>
<td>314, 336, 337</td>
</tr>
<tr>
<td>Portland</td>
<td>103, 108</td>
<td>Marta</td>
<td>332</td>
</tr>
<tr>
<td>Quasar</td>
<td>107, 110</td>
<td>Memorex</td>
<td>309, 335</td>
</tr>
<tr>
<td>Radio Shack</td>
<td>102, 112, 123, 124</td>
<td>Minolta</td>
<td>304, 305</td>
</tr>
<tr>
<td>RCA/Proscan</td>
<td>102–108</td>
<td>Mitsubishi/MGA</td>
<td>323–326</td>
</tr>
<tr>
<td>Samsung</td>
<td>103, 112, 113, 126</td>
<td>Multitech</td>
<td>321, 325, 338</td>
</tr>
<tr>
<td>Sanyo</td>
<td>125</td>
<td>NEC</td>
<td>314, 336, 337</td>
</tr>
<tr>
<td>Scott</td>
<td>112, 123</td>
<td>Olympic</td>
<td>308, 309</td>
</tr>
<tr>
<td>Sharp</td>
<td>113–115</td>
<td>Optimus</td>
<td>327</td>
</tr>
<tr>
<td>Signature 2000 (M. Ward)</td>
<td>109, 114</td>
<td>Panasonic</td>
<td>306–309</td>
</tr>
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<td>Sylvania</td>
<td>108, 111, 112</td>
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<td>123, 139</td>
<td>Philco</td>
<td>308, 309</td>
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<td>109</td>
<td>Phillips</td>
<td>308–310</td>
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<td>114, 119</td>
<td>Pioneer</td>
<td>308</td>
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<tr>
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<td>103, 112, 131</td>
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## VCR Codes (continued)

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<th>Code</th>
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<tr>
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<td>Technics</td>
<td>308, 309</td>
</tr>
<tr>
<td>Teknica</td>
<td>338, 342</td>
</tr>
<tr>
<td>Toshiba</td>
<td>311, 312</td>
</tr>
<tr>
<td>Wards</td>
<td>327, 328, 331, 332, 335</td>
</tr>
<tr>
<td>Yamaha</td>
<td>314, 330, 336, 337</td>
</tr>
<tr>
<td>Zenith</td>
<td>331</td>
</tr>
</tbody>
</table>

## DVD Codes (RM-Y807 Only)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>Sony</td>
<td>601</td>
</tr>
<tr>
<td>Panasonic</td>
<td>604</td>
</tr>
<tr>
<td>Pioneer</td>
<td>605</td>
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<tr>
<td>RCA</td>
<td>602</td>
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<tr>
<td>Toshiba</td>
<td>603</td>
</tr>
</tbody>
</table>

## AMP (Amplifier) Codes (RM-Y807 Only)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sony</td>
<td>501, 521</td>
</tr>
<tr>
<td>Denon (Sharp)</td>
<td>516–518</td>
</tr>
<tr>
<td>Harmon</td>
<td>519</td>
</tr>
<tr>
<td>JVC</td>
<td>506–508</td>
</tr>
<tr>
<td>Kenwood</td>
<td>504, 505</td>
</tr>
<tr>
<td>McIntosh</td>
<td>520</td>
</tr>
<tr>
<td>Onkyo</td>
<td>512, 513</td>
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<tr>
<td>Pioneer</td>
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<tr>
<td>Technics</td>
<td>509–511</td>
</tr>
<tr>
<td>Yamaha</td>
<td>514, 515</td>
</tr>
</tbody>
</table>
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SONY ELECTRONICS INC. ("SONY") warrants this hardware Product against defects in material or workmanship as follows:

1. Labor: For a period of 90 days from the original date of purchase, if the Product is determined to be defective, SONY will repair or replace the Product at no charge. After this 90 day period, you must pay for all labor charges.

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To obtain warranty service:

– If the Product was installed by a SONY authorized DIRECTV System installer, contact that installer for instructions.
– If the Product was not installed by a SONY authorized DIRECTV System installer, you must take the Product or deliver the Product in either its original packaging or packaging affording an equal degree of protection (with freight prepaid), to a SONY authorized DIRECTV System service facility. To locate the closest such facility, please call the telephone number listed below.

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. This warranty does not cover improper installation (if not installed by a SONY authorized DIRECTV System installer), loss of use of the Product, or wasted programming charges due to Product malfunction. 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 does not cover software contained in the Product, which is subject to a separate Software License Agreement. 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 Product is within the Warranty period must be presented to obtain warranty service.

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For product information or operation, for service assistance or for resolution of a service problem, call:

Sony Satellite System Information Center
1-800-838-SONY (7669)

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

About Sony Customer Support
Every DIRECTV System manufactured by Sony comes with Sony’s Express Support at no charge to you. In the event of a system failure meeting the requirements stated above which occurs within ninety (90) days from the original date of purchase, our Express Support Program can have a replacement receiver on its way to you via overnight Federal Express (for calls Monday-Friday until 7:30 pm Eastern Time; Saturday delivery depends upon zip code). All it takes is a valid credit card to cover a security deposit, and Sony will pay freight in both directions.

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General

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## Specifications

### Input Jacks

<table>
<thead>
<tr>
<th>Input Jacks</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF/UHF IN</td>
<td>75 ohm f-type</td>
</tr>
<tr>
<td>SATELLITE IN</td>
<td>75 ohm f-type</td>
</tr>
<tr>
<td>RF REMOTE (SAT-A65A only)</td>
<td>Supplied RF Antenna</td>
</tr>
<tr>
<td>AC IN (120 V, 60 Hz)</td>
<td>Supplied AC Power Cord</td>
</tr>
</tbody>
</table>

### Output Jacks SAT-A65A

<table>
<thead>
<tr>
<th>Output Jacks</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF (SAT)/UHF OUT</td>
<td>75 ohm f-type</td>
</tr>
<tr>
<td>VCR CONTROL</td>
<td>Supplied VCR Controller</td>
</tr>
<tr>
<td>LOW SPEED DATA</td>
<td>RJ-11</td>
</tr>
<tr>
<td>DIGITAL AUDIO OUT (OPTICAL)</td>
<td>Optical Rectangular</td>
</tr>
<tr>
<td>S-VIDEO</td>
<td>4-pin mini DIN</td>
</tr>
<tr>
<td>AUDIO L/R (2)</td>
<td>RCA Type</td>
</tr>
<tr>
<td>VIDEO (2)</td>
<td>RCA Type</td>
</tr>
<tr>
<td>TEL LINE</td>
<td>RJ-11</td>
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### Output Jacks SAT-B65A

<table>
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<tr>
<th>Output Jacks</th>
<th>Cable Type</th>
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<tbody>
<tr>
<td>VHF (SAT)/UHF OUT</td>
<td>75 ohm f-type</td>
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<tr>
<td>S-VIDEO</td>
<td>4-pin mini DIN</td>
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<tr>
<td>AUDIO L/R</td>
<td>RCA Type</td>
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<td>VIDEO</td>
<td>RCA Type</td>
</tr>
<tr>
<td>TEL LINE</td>
<td>RJ-11</td>
</tr>
</tbody>
</table>

### Supplied Accessories

- Remote Control: RM-Y807 (SAT-A65A), RM-Y812 (SAT-B65A)
- Size AA Batteries (2)
- Access Card
- Audio/Video Cable
- S-Video Cable: (SAT-A65A only)
- Coaxial (RF) Cable
- Telephone Line Cord
- VCR Controller (1): (SAT-A65A only)
- RF Antenna: (SAT-A65A only)

### Optional Sony-brand Digital Satellite Receiver Accessories

- Satellite Antenna
- SAN-18D4
- Satellite Antenna
- SAN-24MD1
- Local TV Antenna
- ANJ-AA1

### General

- Input Frequency: 950-1450 Mhz
- Power Requirements: 120 V AC, 60 Hz
- Power Consumption: 24 W typical
- Dimension (w/h/d): 11.0 x 2.5 x 8.4 inches
  280 x 64 x 214 mm
- Weight (unit): 3.5 lbs. (1.6 kg)

Design and specifications are subject to change without notice.
A
A/V receiver, connecting 10
Access card, new 24
Advance select 19
Aligning the antenna 4
Alternate audio 21
Antenna
alignment values 4
cable, connecting 2
pointing 4
terrestrial 7
Audio
balance 21
balance control 22
Azimuth angle, determining 4
B
Balance, audio 22
Batteries, installing 15
Brightness, video 22
Button board, change layout 24
C
Caller ID, disable 26
Can’t Tape message 10
Cancel purchase 18
Changing menu language 26
Channel banner
location 30
removing from screen 30
Channel Mark, assigning
channels 31
Channel Set function 25
Color scheme, changing 26
Contrast, screen 22
Controls
front panel 4
VCR, testing 9
Crosstalk, reducing 25
D
Default audio 21
Delete event, preselected 20
Dish antenna pointing 4
Dolby
digital connection 10
logo icon 21
Pro Logic 10
E
Edit preselected program 20
Elevation angle, determining 4
English language menus 26
Entertainment system, connecting 10
F
Factory settings, restore 26
Front panel controls 4
G
Guide
features 29
grid style 27
logo style 28
selecting style 27
H
History, purchase 18
I
Icons
interactive features 16
menu 3
multiple box 3
on-screen display 3
option list 3
taping 19
toggle 3, 24
viewing 19
ID, receiver 25
Info Banner, using 30
Input key enable 25
L
Language, menu 26
Locate satellite 4
Locking a channel 25
M
Mail
Erase 26
message 26
viewing 26
Menu
color 26
features 29
function overview 17
icons 3
language 26
tabs 29
Menu translucency 26
Multiple box icon 3
N
Navigation buttons
functions 11, 15
remote control 15
O
On-screen menu language 26
Options list icon 3
Ordering events via phone 18
Output channel, setting 25
P
Past purchases pane 18
Pay per view
history 18
purchase 18
upcoming events 18
Phone jack connection 3
Picture-In-Guide
options 27
turning off 28
PicturePerfect, adjusting 22
Preferences, system 24
Program guide
features 29
styles 27
Purchase Pay Per View event 18
Purchases not listed 18
R
Rear panel
connections 2
phone jack connector 3
Receiver ID, changing 25
Recording
unattended 19
VCR setup 20
Remote control
batteries 15
models 11
sensor, VCR 8
Replacing batteries 15
Restore factory settings 26

S
Saturation, video 22
Scanning remote control codes 11
Schedule programs 19
Search entries 23
Search for words 23
SELECT control 15
Selecting a menu item 15
Signal indication 5
Spanish language menus 26
Surround sound, Dolby 10
S-Video connection 3
System menu functions 24
System Setup screen 4

T
Tabs, menu 29
Tag boxes 33
Telephone connection 3
Testing
   results 5, 6
   satellite signal 5
Toggle icon 24
Translucency setting 26
Transponder
   signal strength 5
   testing 5
TV connection types 3

U
Unattended recording 20
Unviewed purchases 18
Upcoming purchases menu 18

V
VCR
   connecting 8
   control cable 8, 9
   remote control sensor 8
   SETUP menu 9
   testing 9
Video
   contrast 22
   saturation 22

Z
ZIP code antenna alignment 4