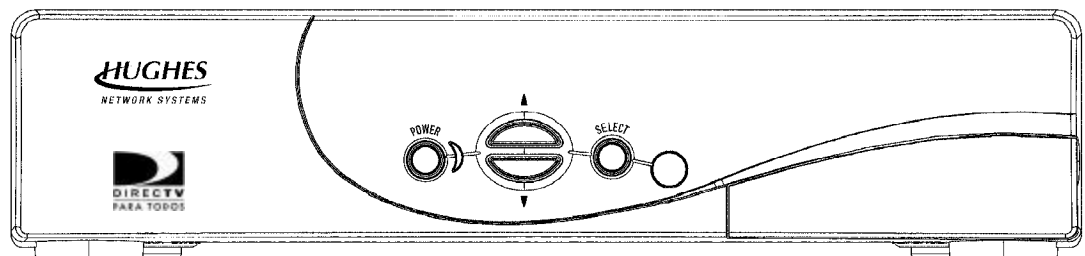


Digital Satellite Receiver Owner's Manual



Model: HIRD-E61



P/N: 1028188-0001 REV (B)

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DIRECTV PARA TODOS™ System Hardware and Installation—For professional installation of your DIRECTV PARA TODOS™ system equipment, to ask questions or to resolve problems related to your DIRECTV PARA TODOS™ equipment, contact your dealer. If additional information is needed, please contact the Customer Care Center toll free at 1-877-272-8636.

Hughes Customer Care Center
1-877-272-8636
Subscriptions and PPV
1-888-388-6622

PLEASE MAKE NOTE OF THE FOLLOWING INFORMATION FOR WARRANTY

System Model #: HSYS- E 6 1 8 4

Receiver Model #: HIRD- E 6 1

Receiver Serial #: _____

Access Card #: _____

LNB Serial #s: _____

IMPORTANT SAFETY INSTRUCTIONS

For your safety and protection, read this entire Owner's Manual before you attempt to install or use your DIRECTV PARA TODOS™ System. In particular, read this safety section carefully. Keep this safety information where you can refer to it if necessary.

Heed Warnings—All warnings on the product and in the operating instructions should be adhered to.

Follow Instructions—All operating and use instructions should be followed.

THESE ARE DEFINITIONS FOR ALERTS USED IN THIS MANUAL



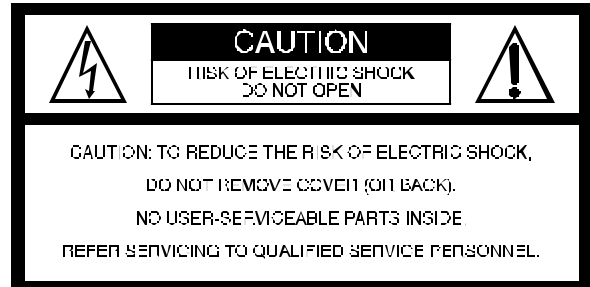
WARNING or CAUTION

Where you see this alert symbol and the WARNING or CAUTION heading, strictly follow the warning instructions to avoid personal injury.



DANGER

Electric shock hazard: Where you see these symbol and the DANGER heading, strictly follow the warning instructions to avoid electric shock injury.



THESE ALERTS APPEAR IN THIS MANUAL



DANGER

Do not select a location to install the satellite dish antenna near power lines. You can be *killed* if the satellite dish antenna comes into contact with electric power lines.

- Do not contact overhead power lines
- Check the distance to any nearby power lines before starting installation. Stay at least 20 feet away from all power lines.
- If any part of the satellite dish antenna or mast assembly comes into contact with a power line, call your local power company. *Do not try to remove it yourself.* They will remove it safely.



WARNING

For your own safety, follow these important safety rules:

- Perform as many functions as possible on the ground.
- Do not install the satellite dish antenna on a rainy or windy day.
- If you start to drop the satellite dish antenna or mast assembly, get away from it and let it fall.



CAUTION

Local electric codes and the National Electric Code (NEC) require the satellite dish antenna to be grounded. Grounding the satellite dish antenna helps protect against damage caused by static voltage buildup. Grounding can also protect against voltage surges created by nearby lightning strikes.

INSTALLATION

Polarization—This DIRECTV PARA TODOS™ digital satellite 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 PARA TODOS™ digital satellite 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—Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and at the point where they exit from the product.

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

Ventilation—Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or 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 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.

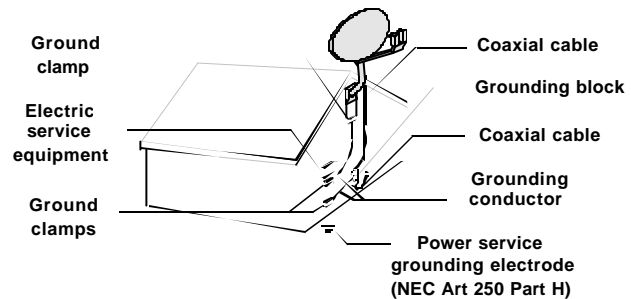
Heat—The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Accessories—To avoid personal injury or damage to the digital satellite receiver, do not place the digital satellite 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 Hughes 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 make 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"

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 digital satellite receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. 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.

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

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 DIRECTV PARA TODOS™ System from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Object and Liquid Entry—Never push objects of any kind into this DIRECTV PARA TODOS™ System product 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 DIRECTV PARA TODOS™ System.

SERVICE

Servicing—Do not attempt to service this DIRECTV PARA TODOS™ System 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 this DIRECTV PARA TODOS™ System from the wall outlet and refer servicing to qualified personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled on, or objects have fallen into, the DIRECTV PARA TODOS™ System or it has been exposed to water.
- If the DIRECTV PARA TODOS™ System 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 PARA TODOS™ System to its normal operation.
- If the DIRECTV PARA TODOS™ System has been dropped or the cabinet has been damaged.
- When the DIRECTV PARA TODOS™ System 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 DIRECTV PARA TODOS™ System manufacturer can prevent fire, electric shock, or other hazards.

Safety Check—Upon completion of any service or repairs to this DIRECTV PARA TODOS™ System, ask the service technician to perform safety checks recommended by the manufacturer to determine that the

DIRECTV PARA TODOS™ System is in safe operating condition

FEDERAL COMMUNICATIONS COMMISSION (FCC) REGULATORY INFORMATION

Federal Communications Commission (FCC)—The DIRECTV PARA TODOS™ System 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, the user is 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 digital satellite receiver.
- Connect the equipment into an outlet on a circuit different from that to which the digital satellite 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 requirements, only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this device. Operation with non-certified 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—

1. The FCC has established Part 68 of the FCC Rules, which permit this device to be directly connected to the telephone network. Standardized jacks are used for these connections. This equipment should not be used on coin lines or party lines.
2. If this device is malfunctioning, it may also be causing harm to the telephone network; this device should be disconnected until the source of the problem can be determined and until repair has been made. If this is

not done, the telephone company may temporarily disconnect service.

3. The telephone company may make changes in its technical operations and procedures; if such changes affect the compatibility or use of this device, the telephone company is required to give adequate notice of the changes. You will be advised of your right to file a complaint with the FCC.
4. If the telephone company requests information on what equipment is connected to their lines, inform them of:
 - the telephone number this unit is connected to.
 - the ringer equivalence number (REN). The number can be found on a label located on the bottom of the equipment.
 - the Universal Service Order Code (USOC) jack required. This equipment requires a USOC RJ11 jack.
 - the FCC registration number. The number can be found on a label located on the bottom of this equipment.

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A FIRST LOOK AT THE DIRECTV PARA TODOS™ SATELLITE RECEIVER



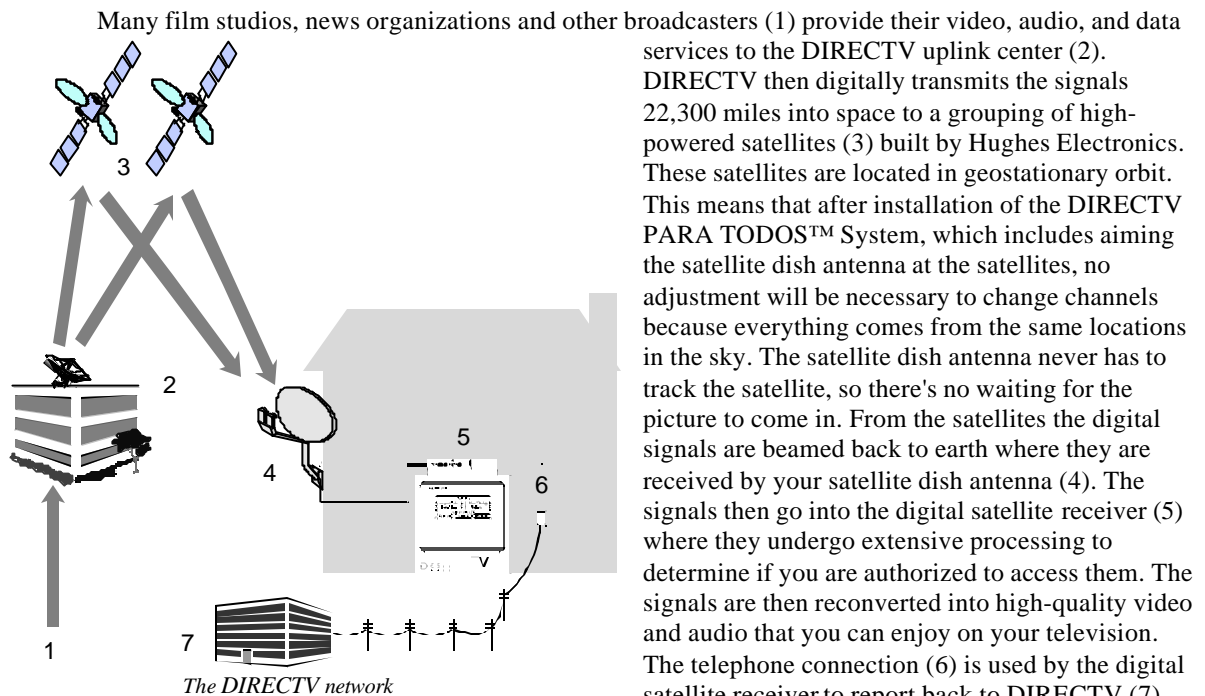
Congratulations! You've selected one of the most advanced digital video and audio components available today. You now have the capability to receive hundreds of channels of video programming and CD-quality audio.

What You Should Do First

Your DIRECTV PARA TODOS™ System is both a sophisticated technical product and an easy-to-operate source of entertainment. You should complete the following steps to achieve the greatest performance from your system:

- Read this manual to familiarize yourself with the system.
- Install the digital satellite receiver. Professional installation is recommended.
- Install your satellite dish antenna and cable.
- Align the satellite dish antenna.
- Arrange for programming from DIRECTV.
- Enjoy endless hours of TV entertainment.

How Does All This Work?



DIRECTV PARA TODOS™ System Components

There are three main components of your DIRECTV PARA TODOS™ System. They are the satellite dish antenna, the digital satellite receiver, and the remote control. Take a few minutes to read about each one.

The Satellite Dish Antenna

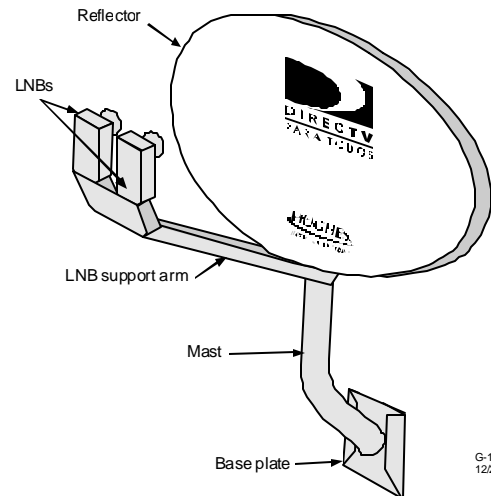
The satellite dish antenna is the component that receives the digital signals. It must be mounted to a solid outdoor surface that allows a clear view of the southern sky.

The large dish-shaped part is known as the reflector. Your reflector is oval shaped (18" high by 24" wide).

At the end of a tubular arm that is attached to the satellite dish antenna, there is a low noise block (LNB) assembly. Satellite dish antennas come in a variety of LNB configurations. Your assembly provides for receiving signals from multiple satellites and distributing the signal to one or more satellite receivers through the use of a multi-switch (not shown).

The mounting bracket and base plate make adjustments easy during installation. Once the satellite dish antenna has been properly positioned to point toward the satellites, you should never need to adjust it again.

Refer to the instructions in Chapter 4, "Installing the Satellite Dish Antenna" or other satellite antenna installation instructions to determine the type of antenna you have.

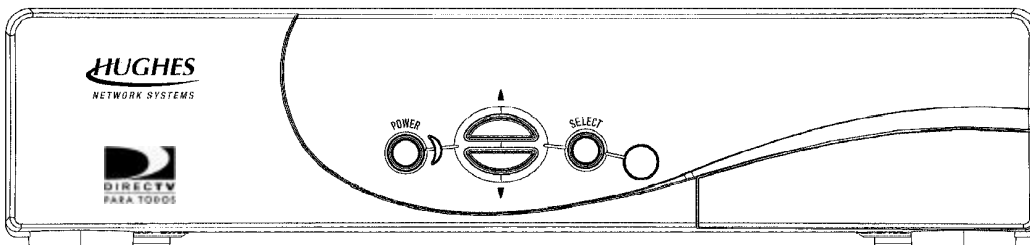


The satellite dish antenna

G-19102 F
12/22/99

The Digital Satellite Receiver

This digital satellite receiver is one of the most compact available today. The basic features for setup, installation, and viewing programming can be accessed from the front panel keys.



The front of the digital satellite receiver

Your access card is located behind the door on the right side of the digital satellite receiver. This special card contains information about your level of service and holds pay per view purchase activity. This card should not be removed except to protect the digital satellite receiver from unauthorized use or to replace the card when DIRECTV supplies a new one.

The power key (**POWER**) is used to turn the digital satellite receiver on and off. The power light (located next to the power key) will illuminate when the unit is on. Any off-air signal, such as cable TV or local programming, connected to the **IN FROM ANT**



The Access Card

jack is passed through to the **OUT TO TV** jack when the digital satellite receiver power is off.

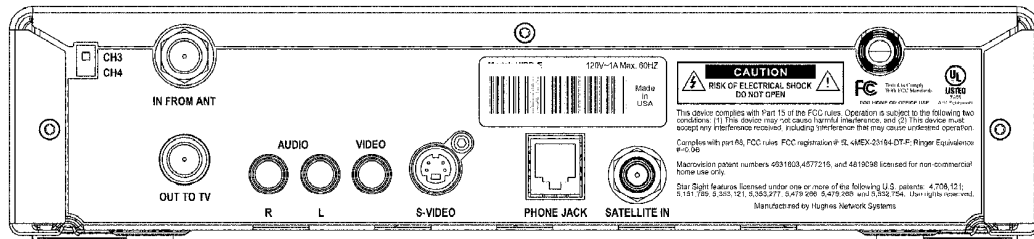
The two directional keys, up (▲) and down (▼) are used to navigate the highlight around the menus. They also provide access to the **OneLine™ Guide** when menus are not displayed.

The select key (SELECT) is used to choose a highlighted menu item. Also, pressing **SELECT** when no other instruction is being shown over video, a description of the current program and an additional press will display any available synopsis of the program.

Some keys can be pressed in combination to achieve other functions. These include:

- ▼ combined with **POWER** to restart the system (known as a “soft boot”)
- ▼ combined with **SELECT** to access the **INSTALLATION** screen

HIRD-E6



The rear of the digital satellite receiver.

The rear of the digital satellite receiver has numerous jacks for connection to your audio/video entertainment system. You will also find the power cord permanently connected to the back.

The **SATELLITE IN** F-type jack is for connecting the cable from your satellite dish antenna to the digital satellite receiver. Be sure that you use RG-6 cable only.

The **IN FROM ANT** F-type jack is an input where you can connect the cable from an RF terrestrial source such as an off-air antenna or cable TV service. *This is not where you should connect the cable from the satellite dish!*

The **OUT TO TV** F-type jack is an RF output which you may connect to your TV or VCR (depending on your entertainment system). Note that the CH3/CH4 switch on the upper left enables you to select the channel for your TV on which the DIRECTV PARA TODOS™ programming appears.

The phono-type **AUDIO** output jacks, labeled and color coded (**L** is white, **R** is red) to indicate left and right, can be used for connection to your TV, VCR, or audio system. The phono-type composite **VIDEO** output jack is color-coded yellow. You may use this jack for connection to your TV or VCR.

The multiple-pin **S-VIDEO** jack is for high-quality output of DIRECTV PARA TODOS™ System video. Use this jack to achieve the clearest picture for your TV or VCR. Remember if you use this connection, also use the audio jacks. Only newer high-end TVs, SVHS VCRs and Hi8 VCRs support S-video connections.

The standard RJ-11 modular **PHONE JACK** is for connecting the digital satellite receiver to your phone line. This phone connection is necessary to access certain program offerings from DIRECTV. Any calls generated by the digital satellite receiver are toll free. The telephone line connection will not normally interfere with your telephone operation. The digital satellite receiver will, however, call a toll-free number briefly to report any purchased pay per view programs.

The Remote Control

The HRMC-1 remote control can control your DIRECTV PARA TODOS™ System and most TV brands, as well as VCRs.

The remote control uses an invisible infrared light to send signals to your components when you press the keys. You must aim the remote control toward the component for it to receive the command.

The mode keys across the top of the remote control enable you to specify the device you intend to control. This is important since many devices share the same keys, such as the **POWER** key and the numeric keys. **You must press the appropriate device key before pressing a command key to make sure the remote control sends the right signal to the right device.** The only keys that deviate from the rule are the blue keys, as they are always associated with the digital satellite receiver.

Four directional keys will cause the on-screen highlight to move in the direction you want. The keys will be referred to as ◀, ▶, ▲, and ▼.

The select key (**SELECT**) is one of the most important keys. Pressing the **SELECT** key will tell the digital satellite receiver that you wish to choose the highlighted item.

The arch of keys below the power and mode keys control frequently used functions. These include special action (**ACTION**), information (**INFO**), guide (**GUIDE**), exit (**EXIT**), and favorite (**FAV**) keys.

The **ACTION** key is unique because it does nothing by itself. Pressing it displays the action icon in the upper left corner of your screen for a few seconds. During that time, other keys may be pressed to access special functions indicated in yellow above the keys. Each will be described later in this manual.

The following chart describes the **ACTION** key functions for easy reference:

Key Combination	Feature	Function
ACTION GUIDE	MENU	Displays the MAIN MENU from any screen
ACTION FAV	LIST	Displays the CHANNEL LISTS screen
ACTION CH	SERVICES	Displays the Alternate Services menu
ACTION 1	MOVIES	Filters the on-screen guide to movies only
ACTION 2	SPORTS	Filters the on-screen guide to sports only
ACTION 3	NEWS	Filters the on-screen guide to news only
ACTION 0	ALL	Resets the on-screen guide filters

The remaining keys are digital satellite receiver-specific keys and common device keys including numbers, channel up and down, etc. The functions of these keys change depending on the device currently selected.

Please refer to “Controlling the Digital Satellite Receiver” for more remote control capabilities and “Programming Your Remote Control” for setting your remote control to handle other audio/video components.

Descriptions and details of each individual key will be given in the appropriate sections throughout this manual.



The HRMC-1 remote controls

SETTING UP YOUR DIRECTV PARA TODOS™ SYSTEM

2

It is recommended that you have your DIRECTV PARA TODOS™ System professionally installed. This is due to safety issues, electrical codes, and assurance of a quality installation. **If you should choose to perform the installation yourself, please pay special attention to the precautions in the front of this manual and refer to the chapter “Installing and Pointing Your Satellite Dish Antenna.”** You may also want to obtain the *Do-It-Yourself Installation Kit*, sold separately.

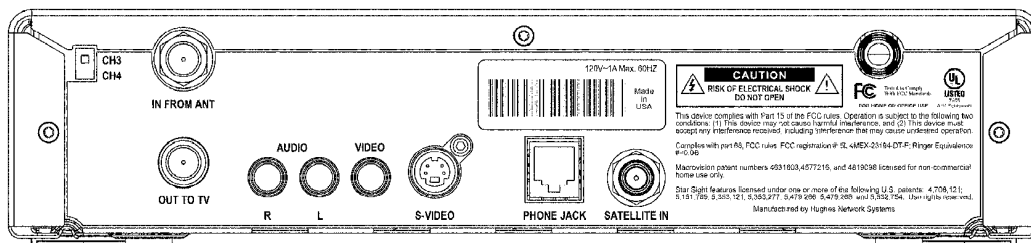
This chapter provides step-by-step instructions for setting up your DIRECTV PARA TODOS™ System and connecting it to your television or entertainment system.

The carton includes the digital satellite receiver itself, an access card (already installed in the digital satellite receiver behind the door), a remote control (batteries included), cables, and documentation. Contact your dealer if anything is missing or damaged. Please save all packing materials until the installation of your system is complete in case anything needs to be returned.

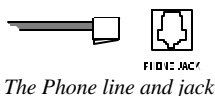
You now need to decide where you want to place the digital satellite receiver. Choose a location near your TV where the power cord or cables will not be inadvertently disconnected. The location should also be well ventilated. Do not set electronic components or other objects (including this manual) on top of the digital satellite receiver or otherwise block its cooling vents.

Choosing the Best Connection for Your Entertainment System

There are a number of ways to connect the digital satellite receiver, depending on the other audio/video equipment you wish to use. The simplest hookups are described in the sections that follow.



Possible connections



The Phone line and jack

Before connecting the digital satellite receiver to your entertainment system, you should connect the phone line. This can be done by plugging one end of the provided telephone cable into the **PHONE LINE** jack on the back of the digital satellite receiver and the other end into a telephone wall jack. If you do not have a telephone jack within reach, you may have a new one installed or reorient the digital satellite receiver to be within reach of a telephone wall jack.

You may need to purchase additional connectors and/or cables to suit specific needs from your dealer or electronic hardware stores. Choose which hookup method to use based on:

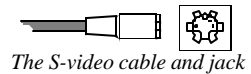
- The capabilities of your TV and VCR.
- Your desire to pass local programming through the digital satellite receiver.
- Any other devices you want to include in the system (stereo, second VCR, etc.).

Before attempting to connect anything, position yourself so you are looking at the back of your components. Note the various input and output receptacles, their shapes, and how they are labeled. Then read through the rest of this hookup section before going ahead with actual hookup.

Do not turn on the power yet. For your safety, make sure the digital satellite receiver, TV, VCR, and any other devices to be connected are unplugged from the wall outlet while hooking them up.

Hook Up the Audio/S-video Signals

Only the newest, high-end TVs and VCRs have S-video inputs. VCRs that support S-video include Hi8 and SVHS types. Look on the back of your TV and VCR for this special jack. It will probably be labeled **S-VIDEO IN**. If you are unsure, you can see the type of connector that you are looking for on the back of the digital satellite receiver. If neither the TV nor VCR has this jack, proceed to the “Hook Up the Audio/Video Signals” section.



The S-video cable and jack

This hookup will give you the sharpest picture of any of the hookups. Also, this hookup will allow you to view DIRECTV PARA TODOS™ programming and local broadcast simultaneously on TVs with “picture in picture” (PIP) feature.

When using this hookup, you cannot use the digital satellite receiver as a switch to choose between DIRECTV PARA TODOS™ System programming and local broadcasts. Instead, you will use the input selection that your TV and/or VCR offers to select the source.

If your VCR has S-video input...

use an S-video cable to connect the digital satellite receiver’s **S-VIDEO** output to the S-video input on your VCR. Also connect one pair of the digital satellite receiver’s audio outputs (Left and Right) to the audio inputs on your VCR.

If your TV has S-video input...

connect an S-video cable from the **S-VIDEO** output (either from the digital satellite receiver if available or the VCR) to the S-video input on the TV. Also connect the left and right audio outputs from the same device that the S-video is coming from and connect them to the TV.

If you have a stereo system...

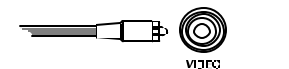
you may be able to achieve big speaker sound. See the “Hook Up to a Stereo System” section for the necessary connections.

If your hookup is complete...

move on to the “Finishing Up” section.

Hook Up the Audio/Video Signals

Most high-end TVs and VCRs have phono-type audio and video inputs. Look at the back of your TV and VCR for three jacks—possibly color coded yellow, white and red. They will be labeled something like **IN (L and R)**, **AUDIO IN**, and **VIDEO IN**. If you are unsure, look at these connectors on the back of the digital satellite receiver. If you have no jacks like these on your TV or VCR, skip this section and proceed to the “Hook Up the RF Signals” section.



The phono-type video cable and jack

This video hookup will give you a clearer picture than an RF hookup. Also, this hookup will allow you to view DIRECTV PARA TODOS™ programming and local terrestrial broadcast simultaneously on TVs that offer a “picture in picture” (PIP) feature.

When using this hookup, you cannot use the digital satellite receiver as a switch to choose between DIRECTV PARA TODOS™ programming and local terrestrial broadcasts. Instead, you will use the input selection that your TV and/or VCR offer to select the source.

If your VCR has a video input...

use an audio/video cable to connect the digital satellite receiver's **VIDEO** output to the video input on your VCR. Also connect the pair of the digital satellite receiver's audio outputs (Left and Right) to the audio inputs on your VCR.

If your TV has a video input...

connect an audio/video cable from the **VIDEO** output (from either the digital satellite receiver, if available, or the VCR) to the video input on the TV. Also, connect the left and right audio outputs from the same device that the video is coming from and connect them to the TV.

If you have a stereo system...

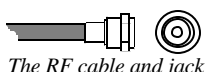
you may be able to achieve big speaker sound. See the "Hook Up to a Stereo System" section for the necessary connections.

If your hookup is complete...

move on to the "Finishing Up" section.

Hook Up the RF Signals

Look at the back of your TV and VCR for RF inputs. These may be labeled **75-OHM, 300-OHM, CABLE, FROM ANTENNA, VHF** or **UHF**. These could appear either as a pair of screws or an F-type connector as on the back of the digital satellite receiver.



The RF cable and jack

If your TV or VCR does not have threaded F-type connectors you will need to obtain adapters which convert the round F-type RG-6 or RG-59 cable to the connectors on your TV and/or VCR. These are sold separately and should be available from your dealer or an electronics hardware store.

To connect your VCR...

use a coaxial cable to connect the **OUT TO TV** from the digital satellite receiver to the RF input section on your VCR. This is the first place where an adapter may be needed if your VCR doesn't have the F-type connector.

To connect your TV...

connect a coaxial cable from the RF output (from either the digital satellite receiver's **OUT TO TV**, if available, or the VCR) to the RF input on the TV. This is the other place where an adapter may be needed if your TV doesn't have the F-type connector.

Set the channel 3/4 selector switch on the back of the digital satellite receiver to the channel that is not broadcast or has the weakest signal in your area. This will be the channel that you need to set your TV and/or VCR to for viewing or recording DIRECTV PARA TODOS™ programming.

You can also use the digital satellite receiver as a switch to select between DIRECTV PARA TODOS™ programming and local broadcasts. This can be accomplished by pressing the **INPUT** key on the remote control while the remote is in SAT mode. Also, you must connect your local signal, either from an antenna or cable service, to the **IN FROM ANT** on the back of the digital satellite receiver. If your antenna wire is not a coaxial type you will need an adapter as described earlier.

If you have a stereo system...

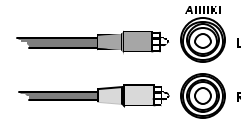
you may be able to achieve big speaker sound. See the "Hook Up to a Stereo System" section for the necessary connections.

If your hookup is complete...

move on to the "Finishing Up" section.

Hook Up to a Stereo System

To achieve high-quality sound from the digital satellite receiver through a stereo system, simply connect the **AUDIO** outputs (Left and Right) to an available input on your audio system. First, look for an input labeled **AUX**. If you aren't using a compact disc player or laser disc player, you can use one of those inputs, if available. The only input that you should not use is one that is specified for a turntable/phonograph.



The phono-type audio cable and jack

Finishing Up

You can mix and match the different hookups described above to suit your entertainment system's available connections. For example, you could connect the VCR using audio/video, while the TV is connected with the RF signal. Always try to achieve the highest quality and greatest flexibility available.

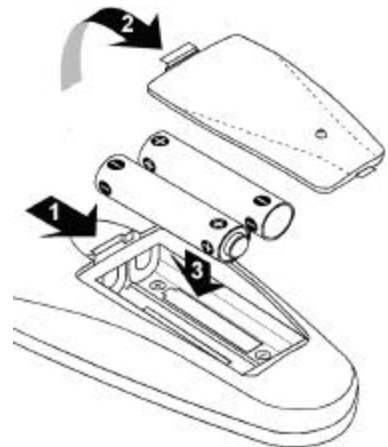
Once all connections have been completed, plug in the TV, VCR and digital satellite receiver to the wall outlet, appropriate extension cord, or surge protector. See *Important Safety Instructions* described in the front of this manual.

Note: *If you have connected a VCR into your entertainment system in a way that routes the cables from the digital satellite receiver to your VCR before the signal reaches the TV, you may experience a distorted picture if you attempt to record a copy-protected program. These programs are identified by a "Can't Tape" symbol in the banner area of the screen. If this occurs, simply stop the recording process and your picture will automatically correct itself.*

Installing Remote Control Batteries

Before the remote control can be used, the supplied batteries need to be installed. First, unsnap the battery cover from the back of the remote control. Install each fresh battery as shown, making sure that the + and - on each battery line up with the marks in the battery compartment. Next, snap the cover back onto the remote control.

Refer to "Programming Your Remote Control" for setting the codes to control the devices in your entertainment system.



Battery installation

Now You Can Turn It On

Once you have connected everything, you can begin powering up the components. Turn the TV on and set it to the DIRECTV PARA TODOS™ System channel (3 or 4) or input (video or S-video). Do the same for the VCR, if applicable. Now turn the digital satellite receiver on. You will see the start-up screen for several seconds, followed by a black screen with the message at the bottom:

"Searching for satellite signal. To access related utilities, press **SELECT**."

If so, this is good! If not, try pressing the **INPUT** key while the remote control is in SAT mode. If that doesn't work, check all of the connections.

You're well on your way to enjoying your DIRECTV PARA TODOS™ System.

CONTROLLING THE DIGITAL SATELLITE RECEIVER

3

Now it's time for you to take control. Take a few minutes to read through this chapter to begin to understand how to operate your system. Let's begin with a couple of simple rules. First, there is nothing that you can do using the front panel keys or the remote control keys which could harm the digital satellite receiver in any way. Once you understand the capabilities and options available in your receiver, you will be able to undo any changes or settings that you make.

The next important rule is to have fun. The features of the digital satellite receiver are intended to make watching TV more enjoyable. It is not necessary to know everything your system can do right away. Learn the capabilities a little at a time. The more you use the digital satellite receiver, the more the techniques necessary to control it will become second nature.

Front Panel vs. Remote Control Keys

The front panel provides basic controls needed to access and use the primary features of the digital satellite receiver. It is not intended to be a substitute for the remote control. Rather, it will provide access to the basic setup features and simple channel changing. If you begin to access menus and screens from the remote control, do not assume that you can access or navigate those same screens with the front panel keys.

The remote control has additional keys to provide shortcuts or access to extended features of the digital satellite receiver. Most of the remote control keys can also be used to control other components in your entertainment system. For this reason, you must remember to press the **SAT** key, putting the remote control in digital satellite receiver mode, when you want to control the digital satellite receiver.

Basic Navigation

Two distinct keys on the digital satellite receiver front panel represent the direction keys, **▲** and **▼**. On the remote control, the direction keys are represented by the keys surrounding the **SELECT** key. These keys are primarily used to move the highlight (also known as a cursor) around the screen. The **SELECT** key should be pressed to indicate that a highlighted item is the one that you wish to choose.

Another key you will be using frequently is the **GUIDE** key, located only on the remote control. This key is used when you want to display the current on-screen guide. Once you are in the guide, pressing the **GUIDE** key while a program title is highlighted will display the Guide pop-up menu.

Another key appearing only on the remote control is the **INFO** key. This key is used to retrieve descriptive information about a currently airing event and to provide access to scheduling information (and purchasing information for pay per view) about highlighted programs in the on-screen guide. Unless there is some message indicating otherwise, pressing the **SELECT** key on the front panel will perform a similar function.

Another key that appears on both the remote control and the front panel is the **POWER** key. Make sure the remote control is in SAT mode for the **POWER** key to apply to the digital satellite receiver. When

you power the digital satellite receiver off, it has not actually stopped using electricity. Rather, it goes into a standby mode which enables it to continue monitoring data sent from DIRECTV, call in status reports to the DIRECTV, monitor for programs you have scheduled, receive messages, and perform other background activities. The only apparent changes occurring in the standby mode are that the video goes black, the **IN FROM ANTENNA** connector signals are passed through to the **OUT TO TV** connector, and the power light is off.

There are three keys on your remote control that most people use frequently. They are the **FAV**, **EXIT**, and **INPUT** keys.

After you have established favorite channel lists, as described in the chapter “The Digital Satellite Receiver’s Menu System,” you will want to cycle through them quickly and easily. Do so by pressing the **FAV** key. Each press will advance to the next list of channels. After stepping through the favorite lists it will cycle back to “All Channels.”

At any time, you can exit the on-screen guide by selecting *Video* in the Guide pop-up menu. An even faster way is to press the **EXIT** key.

The **INPUT** key is only useful if the digital satellite receiver is connected to your entertainment system through the **OUT TO TV** connector, rather than **VIDEO** or **S-VIDEO**. If you are using **OUT TO TV**, pressing the **INPUT** key will switch the output between DIRECTV PARA TODOS™ System programming and local broadcasts similar to the way the **POWER** key works.

Knowing these few keys should enable to navigate through almost every digital satellite receiver feature and menu.

INSTALLING THE SATELLITE DISH ANTENNA

4

There's a cluster of satellites way out there in space, and just as a telescope is pointed at a star, you need to point your satellite dish antenna at the satellites. In this chapter we will explain the basic process for determining where to mount and how to point your satellite dish antenna.

It is recommended that you have your DIRECTV PARA TODOS™ System professionally installed. This is due to safety issues, electrical codes, and assurance of a quality installation.

Read the contents of this chapter, as well as the important safety information in the front of this manual. These instructions are intended for an installer experienced in performing the various tasks described here. Depending on how you intend to install the antenna, you may be required to:

- Climb a ladder and work on your roof.
- Use a power drill to drill holes in your house.
- Determine if there are water pipes, electrical wiring, or gas lines hidden in the walls near where you will be drilling.
- Route coaxial cable through the foundation wall, under floors, and through interior walls.
- Ground the antenna and coaxial cable as recommended in the National Electrical Code (published by the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269).

If you are unsure about your ability to perform these tasks or comply with installation requirements, contact your DIRECTV PARA TODOS™ System dealer for information regarding professional installation.

Successfully installing and obtaining the satellite signals can be a time consuming and tedious task. For that reason, it is highly recommended that you contact a professional installer to get you up and running. The warranty covering your DIRECTV PARA TODOS™ System assumes professional installation and may not apply in self installation situations since improper installation could damage the various components or cause undesired performance.

If you decide to install the satellite dish antenna yourself, we recommend you purchase the *Do-It-Yourself Installation Kit*. It contains many items you will need to complete most installations.

You will need some of the following tools, depending on your installation:

- Electric drill
- Drill bits (1/8-inch, 3/16-inch, 1/2-inch masonry)
- Carpenter's level
- Pencil or chalk
- Tape measure
- Wrenches or hex socket (3/8-inch, 5/16-inch, 7/16-inch)
- Hammer
- Hole digging tools
- Concrete mixing box
- Hacksaw
- Sledge hammer
- Flat blade screwdriver
- Phillips screwdriver
- Clinometer or protractor

Confirm that you have all of the satellite dish antenna components. Refer to the Installation Manual that comes with your DIRECTV PARA TODOS satellite dish antenna. If you are missing any parts contact the Hughes Customer Care Center at 1-877-272-8636.

Your satellite dish antenna will need to be pointed at a satellite cluster located 22,300 miles in orbit above the equator. To aim the satellite dish antenna at the satellites you need to know the azimuth and elevation angles. The digital satellite receiver will assist you in determining these angles based on your ZIP code. If you see the message:

“Searching for satellite signal. To access related utilities, press **SELECT**.”

press the **SELECT** key. Otherwise, press keys in the following order to navigate to the **INSTALLATION** screen:

- **ACTION** **GUIDE** to display the **MAIN MENU**
- **▲** or **▼** to move the highlight over the *Setup Menu* button
- **SELECT** to display the **SETUP MENU**
- **▲** or **▼** to move the highlight over the *Installation* button
- **SELECT** to display the **INSTALLATION** screen

Determine Where to Point Your Satellite Dish Antenna

The **INSTALLATION** screen

When you press **SELECT** you will see a screen that assists you with the satellite dish antenna pointing and signal strength utilities.

Move the highlight to the *Dish Type* button and press **SELECT**. You will need to specify the style of dish you have so that the pointing information will be accurate. Press the **▲** or **▼** keys on the remote control or receiver front panel until your preferred selection is highlighted. **For the DIRECTV PARA TODOS™ System, the Dish Type must be set to “DUAL.”**

SINGLE – Refers to the traditional 18” satellite dish. This dish will be configured with an LNB with either 1 or 2 outputs.

DUAL – Refers to the larger, oval, multi-LNB satellite dish. This dish will be configured with two LNBs in the positions marked “SAT A” (101°) and “SAT B” (119°). Each LNB will have 2 outputs.

TRIPLE - Refers to the larger, oval, multi-LNB satellite dish. This dish will be configured with three LNBs in the positions marked “SAT A” (101°), “SAT B” (119°) and “SAT C” (110°).

Note: When “Satellite 1” is used in reference, this is equivalent to “SAT A.” Likewise, “Satellite 2” equates to “SAT B” and “Satellite 3” equates to SAT C. Choosing the correct dish type is necessary to obtain correct pointing results.

After highlighting the appropriate dish type, press **SELECT**.

Next, move the highlight to the *Position* button and press **SELECT**. You will need to determine your location by either ZIP code or by your latitudinal and longitudinal position. Press the **▲** or **▼** keys on the remote control or receiver front panel until your preferred selection is highlighted, then press **SELECT**.



The **INSTALLATION** screen

You will now see a pop-up panel with space to enter your information. Enter your location. If you are using the remote control, press the **SAT** key, followed by the five appropriate digits of your zipcode. From the remote control or receiver front panel you can also use the **▲** or **▼** keys to increase or decrease the highlighted digit value, and the **SELECT** key to advance to the next digit. Use the **◀** key on the remote control to back up to correct any mistakes. When you are finished, highlight the **OK** button and press **SELECT** to continue.

ALIGNMENT RESULT Pop-up Panel

The **ALIGNMENT RESULT** will display the proper elevation and azimuth for pointing the satellite dish antenna calculated from the information you entered. Take a moment to write down the pointing results.



The Alignment Result pop-up panel.

AZIMUTH: _____

ELEVATION: _____

ROTATION (Tilt): _____

The values displayed are fairly accurate; however some fine-tuning may be necessary. Use these values when choosing a mounting location for your satellite dish antenna and remember that you will need an unobstructed view in that direction.

Choosing the Antenna Installation Site

WARNING

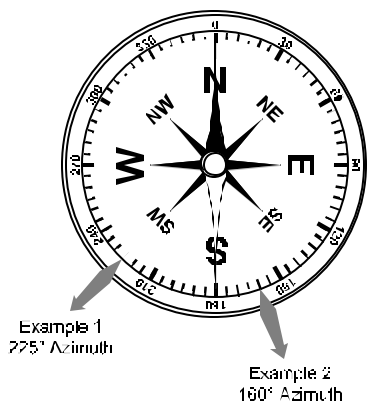


For your own safety, follow these important safety rules:

- Perform as many functions as possible on the ground.
- Do not install the antenna on a rainy or windy day.
- If you start to drop the antenna or mast assembly, get away from it and let it fall.

Perform the following steps to select the best site to install the antenna:

- 1) Go to the location where you plan to install the antenna.
- 2) Using a compass like the one shown, hold the compass level so that the needle can rotate freely. When the needle stops rotating, it will be pointing north.



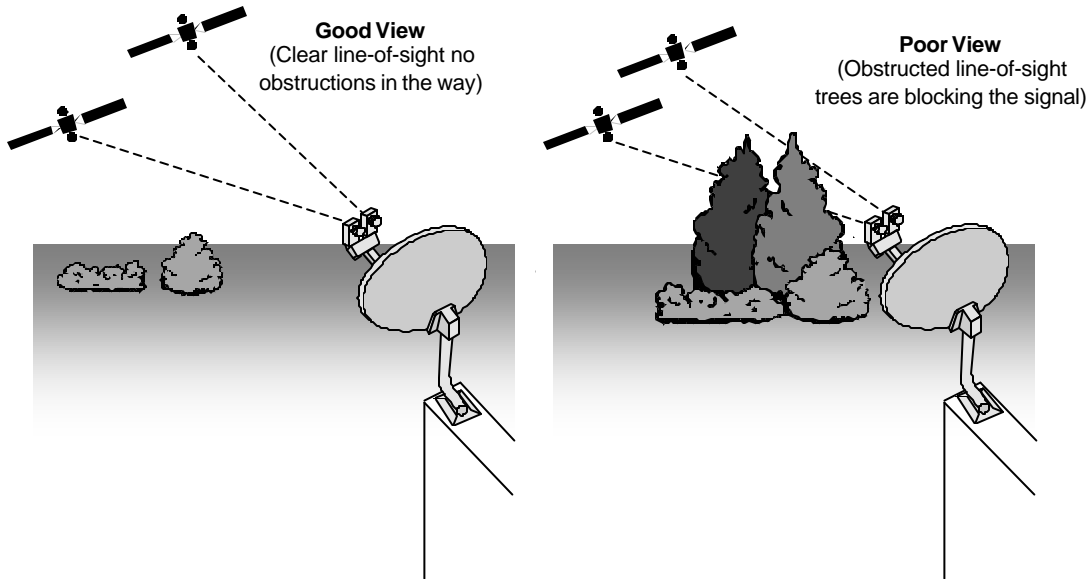
Doing so carefully so as not to disturb the needle, rotate the body of the compass so that the 0° or N marks printed on the compass align with the painted end of the needle. The compass is now aligned with magnetic north.

Note: Large metal structures, such as air conditioning units and steel beams near the compass may greatly reduce its accuracy. If you are near such structures, move several feet away and repeat the measurement to verify the readings.

- 3) Draw an imaginary line from the center of the compass to the azimuth value you recorded above. This is the direction for pointing

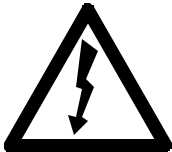
the satellite dish antenna toward the satellites. Use a rock or some other object to mark the location where you are standing; then pick a landmark in the distance that aligns with the magnetic azimuth bearing, or mark the azimuth in some way.

- 4) Verify that there are no obstructions (such as buildings or trees) blocking the view to the satellites, as shown in the diagram. Remember that trees that are small or do not have leaves now could grow to ultimately block the clear line of sight.



- 5) Make sure that the site you have chosen is not where people or equipment could hit the satellite dish antenna.

DANGER



Do not select a location to install the satellite dish antenna near power lines. You can be *killed* if the satellite dish antenna comes into contact with electric power lines.

- Do not contact overhead power lines.
- Check the distance to any nearby power lines before starting installation. Stay at least 20 feet away from all power lines.
- If any part of the satellite dish antenna or mast assembly comes into contact with a power line, call your local power company. *Do not try to remove it yourself.* They will remove it safely.

At this point you will need to refer to the assembly documentation included with the satellite dish. After assembly you should resume this manual at the section titled "Positioning the Satellite Dish Antenna".

Positioning the Satellite Dish Antenna

Pointing accuracy is very important. You must be pointing the satellite dish antenna exactly at the satellites for you to receive a signal. Please follow these instructions carefully to achieve a successful installation.

In the following procedure you will be referring to the meter on the **INSTALLATION** screen. If this screen is not currently displayed, press the **POWER** key, shutting the system down, and then press the **POWER** key to start the system up again.

If you see a black screen with the message:

“Searching for satellite signal. To access related utilities, press **SELECT**.”

press the **SELECT** key. Otherwise, press keys in the following order to navigate to the **INSTALLATION** screen:

- **ACTION** **GUIDE** to display the **MAIN MENU**
- **▲** or **▼** to move the highlight over the *Setup Menu* button
- **SELECT** to display the **SETUP MENU**
- **▲** or **▼** to move the highlight over the *Installation* button
- **SELECT** to display the **INSTALLATION** screen

You should see a meter displaying your signal strength.

The INSTALLATION Screen

The **INSTALLATION** screen shows the quality of the signal that you are receiving. Because you have not adjusted the direction of your satellite dish antenna, you probably have a signal strength of 0. To let you know that it is “looking,” you should hear a short beep every few seconds.

Even though a signal strength of 50 will give you the same high-quality picture and sound as a reading of 90, you should maximize your signal as much as possible, because rain or snow can cause the signal strength to drop significantly. This signal reduction is known as “rain fade.” As soon as the signal can penetrate the rain cloud or snow, your picture will return automatically.

You should check the signal strength on various transponders and on, both, the 101 and 119 satellites.

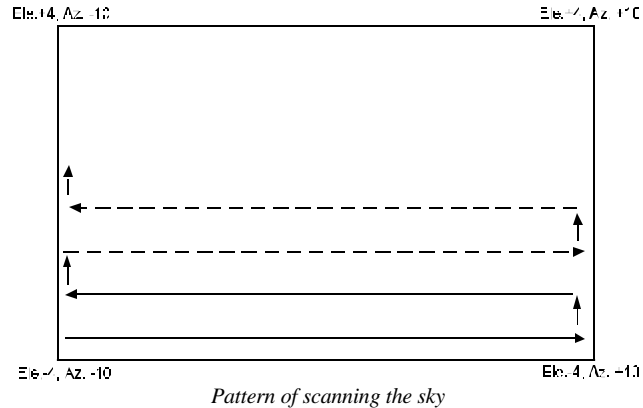
If you are receiving a strong signal (see the map on page 4-7), you can skip the following section and go right to “Authorizing Your Service,” also found on page 4-7.



The **INSTALLATION** screen

Pointing the Satellite Dish Antenna Using the “Box” Method

The easiest way to find the satellite signal is by scanning the sky in the general direction that the satellite is located. While you could possibly achieve this by trial and error, you should be able to find the signal in just a few minutes using the “box” method. What you are effectively doing is scanning the sky in a pattern similar to the way a farmer plows a field.



It will be easiest to fine-tune your satellite dish antenna with someone else's assistance, calling out the signal strength while you make the adjustments. In addition, you should turn up the volume of your TV so that you can hear the beeps while

you make adjustments. When there is no signal, beeps will occur every few seconds so that you know it is searching. As the signal strength increases, the beeps will become much more rapid.

Before you begin make these quick checks:

- Verify that the tilt or rotation is set at the specified value. Do not make further adjustment to it.
- Verify that there are no obstructions such as trees, buildings, etc., blocking the signal.
- Verify that you are using the proper cable type (RG-6) between the satellite dish antenna and the digital satellite receiver. Also, be sure that the connections are tight and the center wire in the cable extends about 1/8th-inch beyond the end of the connector.
- Verify that the azimuth and elevation values that you determined earlier are correct for your area.
- Get a 7/16-inch wrench (not included) to loosen and tighten the satellite dish antenna's bolts.
- Find the initial direction to point your satellite dish antenna, using a compass.

For the following process you can have either satellite selected.

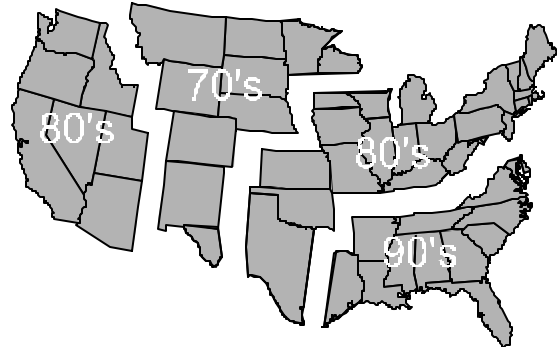
The “box” method begins by subtracting 10 degrees from the azimuth and subtracting 4 degrees from the elevation values that you determined earlier.

We'll begin by adjusting the elevation. First, loosen the nuts securing the two (one on each side) elevation bolts just enough so that you can easily tilt the reflector up and down using the fine elevation adjustment screw. Next, line up the elevation indicator with the tick mark corresponding to the elevation calculated earlier (result minus 4 degrees). **This indicator is the leading edge of the metal just to the left of the bolt. It is recessed inside the slot. Do not use the bolt or nut as a point of reference.** Finish adjusting the elevation by lightly tightening the bolts when the indicator is aligned with the correct tick mark.

Next, we'll adjust the azimuth. For this part of the procedure, a compass (such as the one included in the *Do-It-Yourself Installation Kit*) will make it possible to point in the proper direction. This is done by first loosening the azimuth bolts just enough in order to turn the satellite dish antenna smoothly with a little pressure. Stand behind or beneath the satellite dish antenna reflector and,

while grasping the outer edges of the reflector, rotate the satellite dish antenna until it is pointing toward the azimuth value determined earlier (result minus 10 degrees). Be sure that as you do this you do not lean on the reflector, as that would affect the alignment. Don't tighten the bolts just yet!

- 1) Slowly turn the satellite dish antenna 20 degrees towards and past the actual determined azimuth. It should take about 20 seconds to make the sweep of the sky.
- 2) If no signal was found in this pass, increase the elevation by 1 degree and slowly turn the satellite dish antenna back the other direction. If you do find a signal, go to step 4.
- 3) If you have done this for 9 passes (now 4 degrees above the determined elevation), start back at the beginning point and try again. If you cannot achieve any signal after several tries, recheck that the LNB satellite cable is connected to the **SATELLITE IN** jack - *not* the **IN FROM ANT** jack. For additional support, call your dealer or the Customer Care Center at 1-877-272-8636.
- 4) To have reached this step it is assumed that there is some degree of signal. A numeric value for the strength ranges from 0 to 99. While your signal strength may vary, refer to the following map to determine the suggested signal strength goal for your area:
- 5) Gently continue turning the satellite dish antenna reflector a small amount as you were turning it when you began receiving a signal. Continue to adjust the satellite dish antenna in this fashion until the signal strength meter reaches the highest possible reading. Tighten the azimuth bolts.
- 6) Slowly tilt the satellite dish antenna up and down to try to improve the signal strength reading. When you are satisfied that you have achieved the strongest signal, tighten the elevation bolts.



Typical signal strength results. Your actual signal strength may vary.

You may choose to try different transponders. Each transponder transmits multiple programs at a time. The transponder displayed when entering the screen represents the one associated with the last viewed program (or "02" if no program has been viewed). By moving the highlight to the transponder area, you can enter a number from 01 to 32. Different transponders may show varying signal strengths. This is not indicative of any problem unless the variations are extreme (such as 40 and 90). In the event of signal reception problems, customer service representatives may ask for information such as signal strength on a different transponder. Do not change transponders trying to find the best signal since the transponder will automatically change to the one that corresponds with the satellite channels that you view.

As a check, select the other satellite to confirm a strong signal.

Authorizing Your Service

To confirm that the satellite dish antenna is properly adjusted to receive signals, try to receive promotional channels from DIRECTV. If you can receive them, you can now arrange to receive your DIRECTV PARA TODOS™ programming 24 hours a day, 7 days a week, at the following number:

DIRECTV PARA TODOS 1-888-388-6622

You can enjoy over 210 available channels in English and 30 channels in Spanish of digitally delivered sports, movies, soaps, news, and family entertainment. Check with DIRECTV PARA TODOS™ regarding details available offerings and packages.

WATCHING DIRECTV PARA TODOSÔ PROGRAMMING



This chapter will reveal many different ways to find the programs you want to watch. The first thing you should know is that channels in the DIRECTV PARA TODOSÔ™ System world are arranged differently. Local programming delivered via satellite (if available) is located in channel numbers below 100. Channels that are not traditionally local broadcasts start at channel 100 and could go as high as 9999.

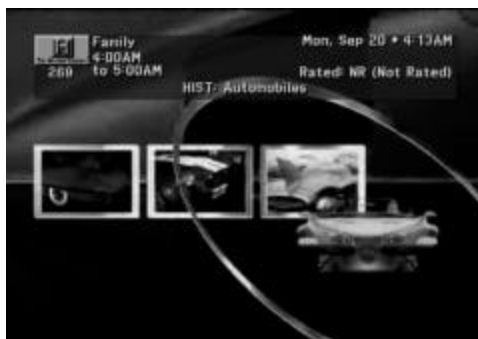
Remember; do not assume that the front panel keys are a substitute for the remote control keys.

Basic Channel Changing

There are many ways to “surf” through the available programming. You already know at least two ways to change channels. The first of these is by using the **CH** and **CH** keys. Each key press takes you to the next available channel in the direction that you selected. The second way is to enter the number of the desired channel. For example, to go to the Direct Ticket movie previews, simply press **100**. If the channel does not change right away, press **SELECT** to instruct the satellite receiver that you are finished entering digits. You can enter the number for any channel you wish.

The Channel Banner

Every time you tune to a channel, a banner will be displayed at the top of the screen. You can also display the **Channel Banner** any time by pressing the **INFO** key.



The CHANNEL BANNER

The **SELECT** key on the front panel of the digital satellite receiver will also provide this functionality, if there are no other messages indicating otherwise. Pressing **EXIT** will remove the banner immediately.

This banner contains information about the program, including the program start and end times, title, rating, channel call sign or logo, channel number, and program or channel-related symbols where applicable. Symbols, as shown below, could include alternate audio, data, new mail, can't tape, closed caption, and/or the lock status. See the section called “Alternate Services” later in this chapter for information on accessing alternate audio or data services.

Icon	\$	DATA SVCS.	ALT. AUDIO	CC	NEW MAIL	🔒	🔓	CAN'T TAPE	DOLBY DIGITAL
Meaning	Pay Per View	Data available	Other audio available	Closed caption available	Unread mail	Limits enforced	Limits override	Taping not allowed	Dolby Digital audio available

The Information Banner

Pressing the **INFO** key (or the front panel **SELECT** key) a second time while the **Channel Banner** is displayed will replace the information with any available description of the current program. This is

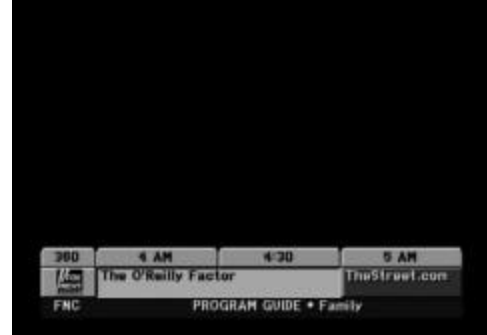
called the **Information Banner**. Either of these banners will go away after a few seconds, or you can press the **INFO** key or **EXIT** key to clear it on demand.

The OneLine™ Guide

If you'd like to know what's on another channel without switching from your current channel, use the **OneLine Guide**. Simply press **▲** or **▼** and begin browsing. You can see the channel call sign and number, titles, and program start and end times. When you see something you like; then press **SELECT** to tune to the channel.

You may also directly enter a channel number to advance the **OneLine Guide** to that channel. The other filter keys, including **ACTION 1** for movies, **ACTION 2** for sports, and **ACTION 3** for news, as well as the **FAV** key will also control the content of the OneLine Guide.

Pressing the **EXIT** key will cancel the **OneLine Guide**.



The OneLine Guide

TurboTune™

The **TurboTune** feature provides access to nine of your preferred channels on top of the current video.

The **TurboTune** panel is displayed by pressing the remote control **SELECT** key while watching video as long as there are no messages prompting you to press **SELECT** for some other purpose. **TurboTune** is not accessible from the front panel **SELECT** key. The **TurboTune** panel displays nine channel tags. These channels can be specified via the *TurboTune* button on the **SETUP MENU**. The header area of the panel displays the title of the program currently airing on the highlighted channel tag. You can choose one of the nine by moving the highlight over the desired channel and pressing **SELECT**. A shortcut to moving the highlight is to press the remote control numbers that corresponds with the on-screen position of the desired channel. In the example on the right, press 7 for CNN.



The TurboTune panel

AlphaTune™

AlphaTune enables you to tune to a channel by spelling a channel's call sign rather than by number. To enter the AlphaTune mode, you must first press the **ALPHA** key located on the lower right on the keypad. The **ALPHA** symbol appears on the screen. You can now enter the numbers and letters (located above each of the number keys) to spell the desired channel call sign. For example, to tune to ESPN, press **ALPHA 2765**. All special symbols (i.e., &, /, +, !, etc.) are located on the **0** key. As soon as the receiver can determine which channel you are seeking, it will tune to it automatically. No additional keys need to be entered. If the channel call sign is fewer than four letters, you may need to press **SELECT** to indicate that you are finished. If more than one channel shares the same set of key (i.e., "CNN" and "COM", both using **155**), the next matching occurrence is used. If that was not the channel you wanted, just press **ALPHA ALPHA** to find the next occurrence of that key sequence. It is important that you enter the channel call sign exactly. With experience, you will become more familiar with the channel name abbreviations that are used.

Alternate Services

The digital satellite receiver can support alternate audio services. To determine if the services are available for a particular program, look for their icons below the date and time in the **Information Banner** or on the on-screen guide. To access these services when available press the **ACTION** **CH** key on the remote control. The **Alternate Services** banner will appear at the bottom of the screen. Highlight and select the *Alt. Audio* to temporarily change the audio language.



The Alternate Services panel

Alt. Audio

Once you have selected the *Alt. Audio* button you can use the ◀ and ▶ keys to step through the audio tracks offered for the current program. To choose the highlighted language, press **SELECT**. On occasion an audio track may be offered that is not being broadcast. If this is the case for the selected track, the audio you hear will either

be unchanged or silent.

Changing channels will restore the audio track to the one that is specified on the **PREFERENCES** screen. See the chapter “The Digital Satellite Receiver’s Menu System” for information on setting the default audio.

THE ON-SCREEN GUIDES

6

The most powerful feature of the digital satellite receiver is the on-screen guides. You may customize the on-screen guide you can see a page of channels or program listings to include only programs of interest to you. Other advanced features available from the on-screen guides, such as scheduling and program information, will help plan your viewing. Continue reading to learn the real power of the digital satellite receiver's on-screen guides. At any time you can press the **GUIDE** key to display the current on-screen guide.

The on-screen guides are not accessible from the front panel keys. However, the front panel **SELECT** key will access the **INFORMATION** screen described later in this chapter if it is being pressed in response to a message such as "Press **SELECT** to order."

This digital satellite receiver offers a variety of on-screen guides. Each guide has its own design to make finding programs of interest an easy task. These guides include the **PROGRAM GUIDE (SM.CELL)**, **PROGRAM GUIDE (LG. CELL)**, **TITLE GUIDE**, and **LOGO GUIDE**.

Each guide can be filtered into smaller channel groupings, as specified in your personalized favorite *Channel Lists*. You can also reduce the displayed listing by specifying a *Theme* of interest, and then narrow the offerings further by specifying a type within the *Theme*. Additional settings, such as *Guide Times* and *Classes*, may be specified to determine the guide content. A full description of the filtering options can be found later in this chapter.

Choosing the Guide Style

To display on-screen guides, press the **GUIDE** key. Press the **GUIDE** key again to display or remove the guide pop-up menu. The guide menu provides buttons to access the **MAIN MENU**, exit to *Video*, ways to narrow your search, and *Guide Style*.



The Guide pop-up menu

To choose a guide style, simply highlight the *Guide Style* button and press **SELECT**. A pop-up menu offering each of the guide styles will be displayed. Highlight your selection and press the **SELECT** key. The guide will be redrawn to display your selection.

Familiarize yourself with the benefits of each guide style:

PROGRAM GUIDE (SM. CELL) - This guide style displays several rows of channels with columns indicating the time period of the programming. Cells occupy the main portion of the screen with program titles in them. This layout makes it very easy to see what programming at what time is being offered. The "SM. CELL" portion of the guide style name refers to the fact that there is only one line of text associated with each program title. While this could cause the title to be cut short, it also allows for a large number of channels to be displayed simultaneously.

PROGRAM GUIDE (LG. CELL) - This guide style, like the SM. CELL style, displays several rows of channels with columns indicating the time period of the programming. Cells occupy the main portion of the screen with program titles in them. This layout makes it very easy to see what programming at what time is being offered. The "LG. CELL" portion of the guide style name refers to

the fact that there is two lines of text associated with each program title. While this provides more space for the program titles and for channel tags, it also reduces the number of channels to be displayed simultaneously.

TITLE GUIDE- The guide style is convenient when you are looking for a program that is coming on in the next few hours that you know the title of, but just don't know the channel it will be on. In this guide style, program titles are listed in alphabetical order with reference to times and channels displayed as supplementary information.

LOGO GUIDE - This guide style offers the greatest number of channels displayed simultaneously. It is also the most colorful. For those viewers that choose their programming more by the channel, rather than by program title, this is the best option. Almost every channel is represented by the logo.

As you can see, there are various guide styles to suit various tastes and needs.

Descriptions

One guide option is to automatically display descriptions for highlighted program titles. The descriptions usually provide information such as actors' names, a program synopsis, and additional rating information. Sometimes the description may be only a message describing what type of program is highlighted, such as "Current News."

This option is chosen via the *Descriptions* button on the guide pop-up menu. Displaying the extra information reduces the number of channels or titles that can be displayed at one time.

Remember that you can always access program descriptions by pressing the **INFO** key, whether or not the *Descriptions* button is selected.

General On-Screen Guide Features

While there are different ways the guides can appear, there are some things they have in common.

The guide name will always appear in the upper left corner. It may be something simple like "PROGRAM GUIDE." If you have filtered the guide, it could be more descriptive such as "COMEDY MOVIES GUIDE." (See "Filtering the Guides" section later in this chapter.)

- Immediately below the guide title are indicators showing how the guide is further filtered. The label to the left of the bullet specifies the current class filter setting. To the right of the bullet you will see the current channel list.
- In the upper right corner of your screen the current day, date, and time are displayed.
- Just below the time you may see small icons indicating the status of the system or details about the currently highlighted program title. They are the same icons that appear in the **Channel Banner**.
- The primary body of the guide screen displays channels or program titles. You can press **SELECT** on a currently airing program to tune to it. Pressing **INFO** will take you to the **INFORMATION** screen described later in this chapter in the section called "Getting Program Information."
- If a program title cannot entirely fit in the space provided, an ellipsis (...) indicates that a portion of the title is missing.

Using PreSelect

With the PreSelect feature you can select viewing choices in advance to avoid missing them. Use PreSelect to plan your evening viewing; your DIRECTV PARA TODOS™ System will automatically change channels according to your selections.

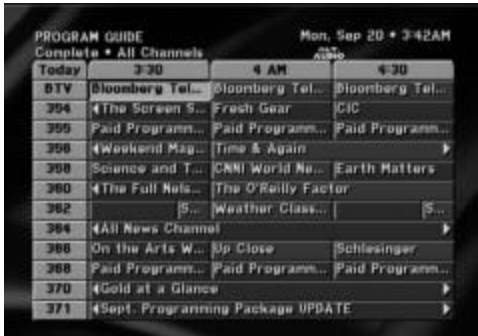
To PreSelect a program, find an upcoming program you wish to watch and press the **SELECT** key.

Canceling PreSelected Programs

To cancel a PreSelected program, find the upcoming program you wish to cancel and press the **SELECT** key so the checkmark is no longer shown.

If the program is currently airing, you will need to delete the event from the **SCHEDULER** screen accessed from the **MAIN MENU**.

The PROGRAM GUIDE (SM. CELL)



The PROGRAM GUIDE (SM. CELL) without descriptions



The PROGRAM GUIDE (SM. CELL) with descriptions

The **PROGRAM GUIDE (SM. CELL)** displays 1½-hours of programming. Up to 12 channels can be seen at one time. This number is reduced to 9 if the program description option is enabled.

The largest area of the **PROGRAM GUIDE (SM. CELL)** made up of cells is known as the program grid. Some cells have arrows indicating that the program started at an earlier time or continues until a later time than displayed in the grid. Each grid cell approximates the duration of the associated program.

A time line spanning the width of the guide indicates the show times of the programs being displayed. The list of blocks running down the left-hand side are the “channel tags.” Depending on the *Channel Sort* (Name or Number) option specified in your system’s **PREFERENCES** screen (described in “The Digital Satellite Receiver’s Menu System”) the tags may display the channel numbers or call signs. This will dictate whether the channels are listed by channel number or alphabetically by call sign.

To navigate the guide, use the **▲**, **▼**, **◀**, and **▶** keys. You can continue to press the **▲** or **▼** keys to scroll more program offerings onto the screen.

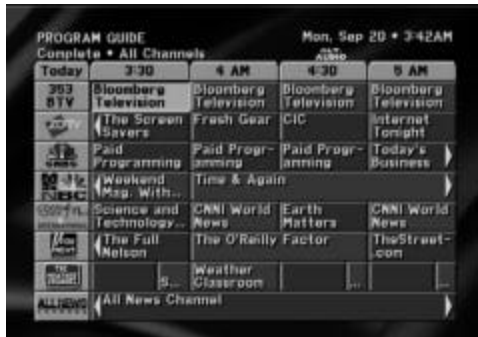
Pressing **INFO** on any title will direct you to the **INFORMATION** screen.

Use **⏪** and **⏩** to scroll through the guide entries a full page at a time.

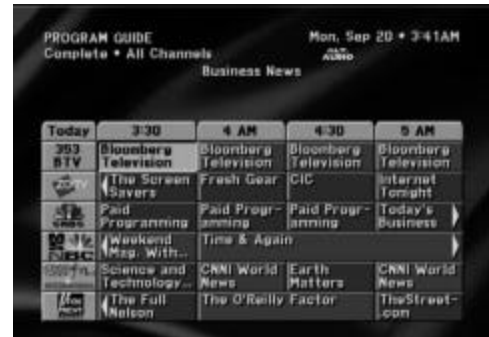
When the highlight is in the grid, use the **◀** and **▶** keys to move left and right. If you move the highlight onto the channel tags, they will temporarily change to the opposite of what they were before (either channel numbers or call signs).

Move the highlight to the right to move the grid area to reveal later time periods. Sometimes, after scrolling a few hours ahead, there may be a brief delay while more information is received from the satellite.

The PROGRAM GUIDE (LG. CELL)



The PROGRAM GUIDE (LG. CELL) without descriptions



The PROGRAM GUIDE (LG. CELL) with descriptions

The **PROGRAM GUIDE (LG. CELL)** displays two hours of programming. Up to 8 channels can be seen at one time. This number is reduced to 6 if the program description option is enabled.

The largest area of the **PROGRAM GUIDE (LG. CELL)** made up of cells is known as the program grid. Some cells have arrows indicating that the program started at an earlier time or continues until a later time than displayed in the grid. Each grid cell approximates the duration of the associated program.

A time line spanning the width of the guide indicates the show times of the programs being displayed. The list of blocks running down the left-hand side are the “channel tags.” Depending on the *Channel Tag* (Name/Number or Logos) option specified in the system’s **PREFERENCES** screen (described in the chapter, “The Digital Satellite Receiver’s Menu System”) the tags may display the channel numbers and call signs or network logos. Also, the *Channel Sort* (Name or Number) option specified in the system’s **PREFERENCES** screen will dictate whether the channels are listed by channel number, or alphabetically by call sign.

To navigate the guide, use the ▲, ▼, ◀, and ▶ keys. You can continue to press the ▲ or ▼ keys to scroll more program offerings onto the screen.

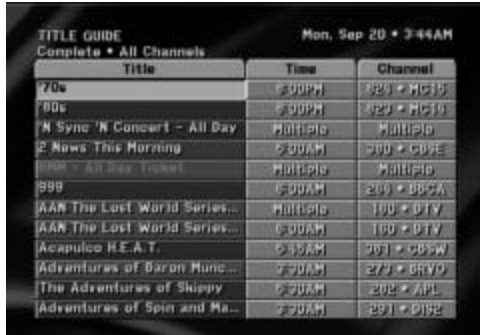
Pressing **INFO** on any title will direct you to the **INFORMATION** screen.

Use **▲** and **▼** to scroll through the guide entries a full page at a time.

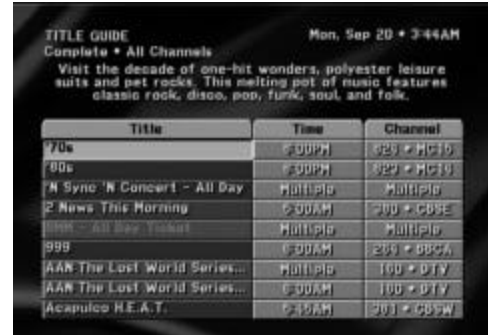
When the highlight is in the grid, use the ◀ and ▶ keys to move left and right. If you move the highlight onto the channel tags, they will temporarily change to the opposite of what they were before (either channel numbers or call signs).

Move the highlight to the right to move the grid area to reveal later time periods. Sometimes, after scrolling a few hours ahead, there may be a brief delay while more information is received from the satellite.

The TITLE GUIDE



The TITLE GUIDE without descriptions



The TITLE GUIDE with descriptions

The **TITLE GUIDE** displays up to 12 program titles at any one time. This quantity is reduced to 9 if the program description option is enabled.

The largest area of the **TITLE GUIDE** is the first column that displays the program titles in alphabetical order. If a program title cannot fit entirely, an ellipsis (...) indicates a portion of the title is missing. The second column indicates the start time of the program. If the program is going to be airing several times within the next few hours, the word "Multiple" will appear in this column. The third column indicates the program channel. If the program is going to be airing on several different channels, the word "Multiple" will appear in this column. Pressing **INFO** on any title will direct you to the **INFORMATION** screen where you can select *Show Times* to determine which showings best suit you.

To move around the guide, use the ▲ or ▼ keys. You can continue to press the ▲ or ▼ keys to scroll more program offerings onto the screen.

To speed up the process of reviewing the guide, you can use **⏪** or **⏩** to page through the guide entries a full page at a time.

The LOGO GUIDE



The LOGO GUIDE without descriptions



The LOGO GUIDE with descriptions

The **LOGO GUIDE** displays up to 56 network logos at a time. This number is reduced to 42 if the program description option is enabled.

The title of the program currently airing on the highlighted channel appears in the header area immediately above the logo grid. Only current programming is available from the **LOGO GUIDE**.

To navigate the guide, use the ▲, ▼, ◀, and ▶ keys. You can continue to press the ▲ or ▼ keys to scroll more program offerings onto the screen.

Pressing **INFO** on any title will direct you to the **INFORMATION** screen.

Use **▲** and **▼** to scroll through the guide entries a full page at a time.

Filtering the Guides

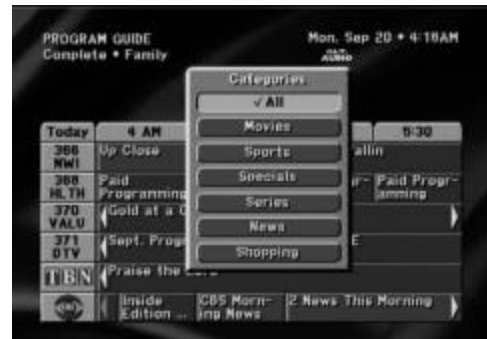
Searching through hundreds of programs can be overwhelming. The digital satellite receiver will help you find what you are looking for. By pressing the **GUIDE** key while already in a guide, a pop-up menu will display, providing the filtering tools and ways to access other guide styles.

By combining each of these filter options, you can quickly narrow down 210+ channels to those that meet your viewing interests. Once you exit to view your program, all filters except for the favorite list will reset to an unfiltered condition.

You should also be aware that some guide styles do not provide access to certain filter options. The unavailable filters will not appear in the Guide Menu.

Theme Filters

When the *Theme Filters* button is highlighted and **SELECT** is pressed, a pop-up menu appears. This menu offers all the available category groupings of programs. After choosing a category (other than *All*), the drop-down menu is replaced by another menu called *Types*.



The Category pop-up menu

The *Types* pop-up menu allows you to break down your chosen theme by type. For example, if you chose *Movies* for the category, you can now choose a type of movie such as *Comedy*, *Drama*, *Sci-Fi*, etc. After selecting one of these, the guide will be further filtered to show only those channels offering programs of the selected category and type.

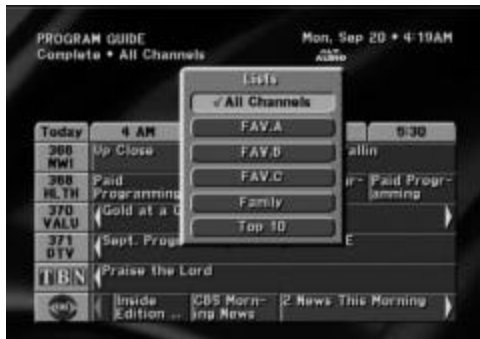
Popular categories can be quickly selected from your remote control by pressing **ACTION** followed by a number key. You will see labels on the remote control for filtering the guide to movies, sports, news, and all. Press **ACTION 1** for movies, **ACTION 2** for sports, or **ACTION 3** for news and the guide will filter accordingly. Pressing the key sequence a second time or pressing **ACTION 0** will restore the guide to show all themes.



The Types pop-up menu

Channel List

The Lists pop-up menu enables you to filter the guide to display only channels from the selected list. In addition to *All Channels*, you can choose one of your own defined lists. See the “Fav. Lists” section of “The Digital Satellite Receiver’s Menu System” to learn how to set your favorite lists.



The Lists pop-up menu

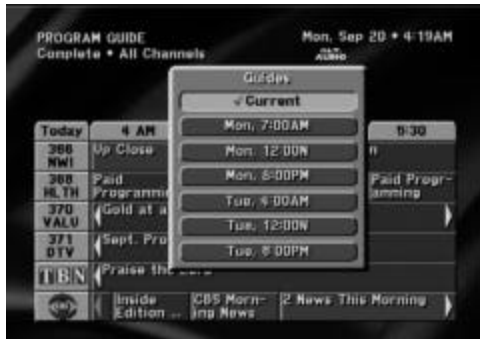
You can use the **FAV** key to cycle through the lists at any time in the on-screen guide without using the drop-down menu. The *Top-10* list can only be selected via the drop-down menu.

The “Top 10” favorite list is automatically maintained by the digital satellite receiver. The digital satellite receiver monitors the channels viewed in your household and compiles the ten most watched channels on the list. As viewing habits change, the list will update itself accordingly.

It should be noted that all channel lists are maintained privately within the digital satellite receiver for your use only.

Guide Times

The Guides pop-up menu ordinarily provides easy access to future programming information. Simply select one of the hour offsets from the current time. After a few seconds, the selected guide will appear.

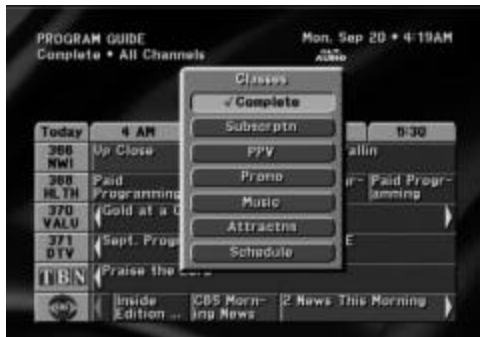


The Guide Times pop-up menu

Another type of guide that may be offered is a list-type guide. These guides do not represent channels and time, but rather a list of possible options. These guide types are very rare.

Class Filters

Another way to filter the guide is by using the *Classes* menu. From this menu you can select classifications including the following:



The Classes pop-up menu

- *Subscrip'tn* will exclude the PPV channels from the on-screen guide.
- *PPV* will list only channels offering PPV programs.
- *Schedule* will list channels that have events you have scheduled.
- Other options may be listed since DIRECTV can update this list via the satellite.

The INFORMATION Screen

To obtain more information about a particular program while viewing one of the various on-screen guides, press the **INFO** key. This screen is also displayed when pressing the **SELECT** key on the remote control or front panel in response to a message such as "Press **SELECT** to order."

The **INFORMATION** screen offers the same program description explained earlier, and more. You can see displayed the program's actual start time and duration, the program rating, and a variety of options associated with the selected program.

Many variations of button combinations exist. The button on the left side of the Things to Do area could be *View*, *PreSelect*, or *Cancel PreSelect*. An additional button refers to pay per view programs only. Unless your receiver is authorized to make such purchases this button will not be displayed. It could be *Buy*, *Cancel Purchase*, or *Buy Options*.

The following buttons may be available:

Done

When you highlight the *Done* button and press **SELECT**, you will be returned either to the guide or to the channel offering a purchase.

View

After reading the program description and related information, you may choose to view it by highlighting the *View* button and pressing **SELECT**. If the program is a PPV event, you may need to complete the purchase process (either on-screen or by calling DIRECTV) before the program can actually be viewed.

PreSelect

PreSelect is one of the handiest features of your DIRECTV PARA TODOS™ System. You can use it to plan your evening or weekend viewing, then let the system do the rest.

You can perform the *PreSelect* capability from within the on-screen guides. Simply highlight the program you want schedule and press the **SELECT** key.

PreSelect will mark the selected program to be automatically tuned in when it airs. At the right time the digital satellite receiver will turn on and tune to the appropriate channel. Your selected programs will be identified on the on-screen guide with a check mark (✓) before the program title.

Cancel PreSelect

Once a program has been scheduled, you have the option of canceling the action. Schedules can also be canceled directly from the on-screen guide by highlighting a scheduled program and pressing the **SELECT** key.

Canceling a scheduled program will also remove the check mark preceding the program title on the on-screen guide.

If the program is currently airing, you will need to delete the event from the **SCHEDULER** screen accessed from the **MAIN MENU**.



The **INFORMATION** screen

Buy

Buy is used for pay per view programming. The price of the event is displayed under of the title of the selected program. After highlighting the button and pressing **SELECT**, you will be given the opportunity to confirm your purchase.

If you are not authorized to make the purchase directly from the digital satellite receiver, you will need to contact DIRECTV PARA TODOS™ customer service for assistance.

Buy Options

The *Buy Options* button is similar to the *Buy* button. This button will initiate a drop-down menu with three purchase options: *View*, *Tape*, and *Don't Purchase*.

The *View* price indicates the cost to view the program only. A purchase of this type excludes the possibility of taping the event for later viewing.

The *Tape* price indicates the cost to record the event for later viewing. Of course, you can also view the event when it airs if you select this option.

After choosing either *View* or *Tape*, you may either confirm or cancel the purchase.

If neither purchase option is of interest to you, highlight *Don't Purchase* and press **SELECT**.

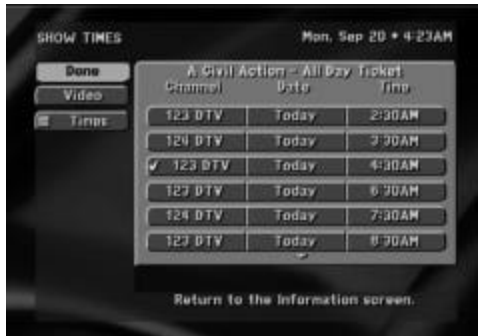
Cancel Purchase

Some events may allow cancellation after they have been purchased, depending on the event type, and whether the event has been viewed. Unviewed purchases can usually be canceled. If the *Cancel Purchase* button is displayed, you are allowed to cancel the previous purchase. If this button is not offered, then most likely a portion of the event has already been viewed, committing you to the purchase.

Show Times

The *Show Times* button provides a simple way to display a concise list of other presentation times for a certain program. Use this button to find a more convenient viewing time.

After selecting an alternate viewing time, you will be returned to an updated **INFORMATION** screen.



The *SHOW TIMES* screen

DIGITAL SATELLITE RECEIVER'S MENU SYSTEM

7

The digital satellite receiver offers much more than fantastic audio and video. The Main Menu is the primary location where you can access system management functions. From the **MAIN MENU** you can access the on-screen guide, customize system features, read messages sent by your service provider, lock and unlock your system, and more.

Most of the menus and screens described in this chapter cannot be accessed from the front panel. One exception to this is the **INSTALLATION** screen and the **LOCK OVERRIDE** pop-up panel. When there is no satellite signal detected, pressing the **SELECT** key will initiate the **INSTALLATION** screen described in this chapter. If there is a message indicating that the selected program is locked, pressing the **SELECT** key will provide the opportunity to override the lock as described in this chapter.

Menu Overview

Digital satellite receiver menus have been designed to provide a logical and convenient way to access system features and settings. The basic screen layout of each menu is divided into several distinct areas. They are as follows:

- Title, date, and time – Across the top of the screen you will see the title of the current menu on the left-hand edge, and the date and time on the right-hand edge.
- Advisory messages – Along the bottom of the screen you will see an area that is dedicated to providing a brief explanation of the currently highlighted on-screen button.
- Places to go – Down the left-hand edge of the screen is a variety of buttons. These buttons usually navigate you to different screens. The top two buttons on the list are always *Done* and *Video*. The *Done* button will take you back one level. The *Video* button will return you to the most recently watched channel. This button is provided in case you are using the digital satellite receiver's front panel and don't have access to the remote control. If the remote control is handy, pressing the **EXIT** key is an easier way to return to your program. The information banner will appear briefly or you can erase it quickly by pressing the **EXIT** key again.
- Things to do – This largest portion of the screen is dedicated to topics associated with the current menu. Contents usually include buttons for changing settings or checking the status of some feature. You will also see information regarding the current menu.

Some buttons contain small icons inside them, indicating their function:



The current setting will cycle through the possible settings with each press of the **SELECT** key.



A list of options will be offered. This list appears in what is referred to as a "Pop-up Menu."



A series of boxes will appear used to specify numbers and/or letters for the particular feature.

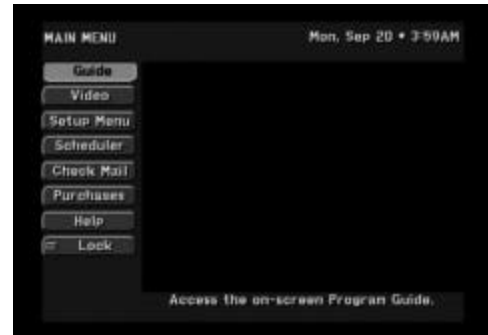
Main Menu

From the **MAIN MENU** you can access the on-screen guide, customize your system features, check incoming mail, lock and unlock your system, and more.

There are two ways to get to the **MAIN MENU**. First, you can press the **ACTION** **GUIDE** keys on the remote control. Or when the on-screen program guide is displayed, you can press the **GUIDE** key to reveal the pop-up **GUIDE MENU**, then select the *Main Menu* button.

Places to go from the MAIN MENU

The *Guide* button takes you from the **MAIN MENU** to the on-screen guide. You can use the guide to display what's available at a given time. The guide also offers a pop-up menu of buttons that are useful for filtering the guide or changing the style of the on-screen guide. See the chapter "The On-Screen Guides" for information.



The MAIN MENU

A quicker way to access the on-screen guide from the **MAIN MENU** or any other menu is by pressing the **GUIDE** key, either on the remote control or on the digital satellite receiver's front panel.

The remaining buttons provide access to those features described in greater detail in this chapter.

Setup

The *Setup* button will take you to the **SETUP MENU**, which provides access to infrequently changed setup options of the digital satellite receiver.

Scheduler

The *Scheduler* button takes you to the **SCHEDULER** screen, where you can program and edit automated channel-changing events. Events can be programmed to occur either once or multiple times.

Check Mail

The *Check Mail* button takes you to the **CHECK MAIL** screen. The mail feature enables DIRECTV to inform you about upcoming special events, programming changes, offers, and other important information.

Purchases

The *Purchases* button takes you to the **PURCHASES** screen, where you can review your recent pay per view activity, including past and advance purchases.

Help

The *Help* button takes you to the **ASSISTANCE** screen. It should be your first stop when you need help or have a question. Think of this feature as a quick reference manual.

Lock/Unlock

This bottom button displays a pop-up panel to activate or deactivate the **LOCK**. It is labeled either *Lock* or *Unlock* indicating the option available depending on the current status of the digital satellite receiver lock. If the digital satellite receiver is locked, you will see a small lock icon just below the date and time at the top of the screen.

Setup Menu

Many functions of your digital satellite receiver can be customized. These settings may be modified and reviewed in the **SETUP MENU**.



The SETUP MENU

Places to go from the SETUP MENU

The remaining buttons provide access to those features described in greater detail in this chapter.

Preferences

The *Preferences* button takes you to the **PREFERENCES** screen, where you can customize the appearance of the on-screen guides and various menus.

Limits

The *Limits* button takes you to the **LIMITS** screen, where you can establish restrictions on the use of the digital satellite receiver. These restrictions include program rating limits and pay per view spending limits.

Chan. Lists

The *Chan. Lists* button takes you to the **CHANNEL LISTS** screen, where you can preset your favorite channel selections into four groupings. Three lists can be named and used by different household members. A fourth list is labeled “Family” and can be used to restrict access to channels to be viewed by everyone in the household.

TurboTune™

The *TurboTune* button takes you to the **TURBOTUNE SETUP** screen, from which you may set the channels associated with the TurboTune feature. See the chapter “Watching DIRECTV PARA TODOS™ System Programming” for more information on using TurboTune. Refer to the “TurboTune” section later in this chapter for information about programming the TurboTune feature.

Installation

The *Installation* button takes you to the **INSTALLATION** screen, which contains utilities to facilitate installation of your satellite dish antenna. You can also evaluate your system’s signal strength via the **INSTALLATION** screen.

Things to do in the SETUP MENU

Current settings overview

An overview of the current settings can be reviewed without having to access each associated screen.

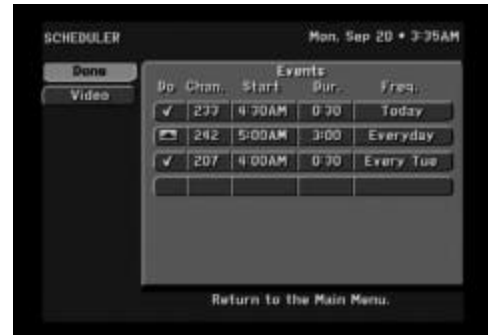
Scheduler

The digital satellite receiver is equipped with a **SCHEDULER** that allows up to 32 events to be programmed. You can use the **SCHEDULER** feature along with your VCR to record programs unattended. The **SCHEDULER** can be used to automatically tune to a program at a specific date and time or at a specific time on a repeating basis.

You may choose to also program your VCR's timer to achieve unattended recording.

Things to do in the SCHEDULER screen

The **SCHEDULER** screen displays up to seven rows of events. You can use the **▼** key to scroll through the events.



The SCHEDULER screen

Editing an event

The “Events” portion of the screen displays up to seven previously scheduled events at one time. If more than seven events are already scheduled, you may use either the **▼** key to scroll down, or the **⊞** key to view the additional events. A small arrow at the top or bottom of the event list indicates that there are additional events.

Once you have highlighted the event you wish to set or edit, press **SELECT**. You will be prompted with a pop-up menu. If you choose the scheduling option, the digital satellite receiver will turn on (if necessary) and tune to the specified channel at the correct date and time. To remove a previously scheduled event, select the *Delete* option. If you inadvertently pressed **SELECT**, select *Cancel*.

After choosing a scheduling option, a pop-up panel appears for channel selection. You can enter the desired channel using either the number keys on the remote control or the **▲** and **▼** or **⊞** and **⊟**.

After specifying a channel, press the **SELECT** key or select *OK* when you are ready to continue.

Next, enter a *Start* time using either the number keys on the remote control or the **▲** and **▼** keys. Press **▶** to continue.

You then must specify whether the time you entered is AM or PM (or N for noon, or M for midnight if the time specified is 12:00) using the **▲** and **▼** keys. To continue, press **▶**.

Using the same procedure as setting the start time, set the program *Duration* as hours and minutes. As before, use **▶** to advance to the *Frequency* column.

The *Frequency* column is very versatile. Using the **▲** and **▼** keys, you can specify when, or how often, the event occurs. Your choices are: *Today, Tomorrow, Every Mon, Every Tue, Every Wed, Every Thu, Every Fri, Every Sat, Every Sun, Everyday, Mon-Fri*, or “/” to specify an exact date. If you are specifying a date, enter the numbers using the remote control in month/day format. The year will be set automatically. Events can be scheduled up to eleven months in advance. Once you have set the *Frequency*, advance using the **▶** key.

Review your settings and choose *OK*. Otherwise, choose *Cancel* to delete the edits made to this event.

Check Mail

The **CHECK MAIL** feature of the digital satellite receiver enables DIRECTV to notify you about important information, upcoming special events, offers, and other promotional programming.



The CHECK MAIL screen

When new messages are received, a “new mail” icon appears at the top of all menu screens. This indicator will remain on the menus until you have read the new message.

When you highlight the *Check Mail* button, the advisory message at the bottom of the screen indicates if there are any messages to read. If there are, you can press **SELECT** to access the **CHECK MAIL** screen.

Things to do in the CHECK MAIL screen

Message

The *Message* button will allow you to cycle through multiple messages if more than one piece of mail is available. Highlight the *Message* button and use the ▲ and ▼ keys to step through the messages.

Page

The *Page* button will allow you to cycle through the pages of a multi-page message. Highlight the *Page* button and use the ▲ and ▼ keys to step through the pages.

Erase

The *Erase* button will remove a piece of mail from your mailbox. Please be aware that once a piece of mail has been erased, it cannot be retrieved. Messages will self erase if they become outdated or if space is needed to hold newer incoming messages.

Purchases

The **PURCHASE** screen displays recently viewed and advanced purchased pay per view events. You can choose between Purchase History and Upcoming Purchases by selecting the *History* button or *Upcoming* button located in the Places to Go area of the **PURCHASES** screen.

For each purchase, the event channel, title, start date and time, and cost is listed. If there are more events than can fit on the screen, use the ▼ key or advance a page at a time using **GO** to view them

If you need to discuss an event with DIRECTV, highlight the questioned event and press the **SELECT** key. An advisory message will appear containing additional information they may need.

Places to go from the PURCHASES screen

History/Upcoming

The *History* or *Upcoming* button appears only on the complementary screen. This means that if you are viewing history on the **PURCHASES** screen, you will have the *Upcoming* button offered. Conversely, if you are viewing upcoming on the **PURCHASES** screen, you will have the *History* button offered in the Places To Go area.

Things to do on the *PURCHASES* screen

Purchase History

The Purchase History displays recently viewed pay per view events that will be or have been charged to you. You will not see events you purchased but later canceled, or cancelable events that were purchased but which the digital satellite receiver never tuned to, will not appear. Events that were ordered by directly calling DIRECTV will also not appear on this list. You cannot remove events from this list. Reported events will disappear from this list as the digital satellite receiver needs space to log more recent purchases.

You will see the event channel, title, the start date and time, and the cost for each purchase. There may be more events than can fit on the screen. You can access these by using the ▼ key or **⏏** key.

If you need to discuss an event with DIRECTV, highlight the questioned event and press **SELECT**. Additional information will be displayed.

Upcoming Purchases

The Upcoming Purchases screen displays PPV events you have purchased but not yet viewed, or purchased but never viewed. Events that were ordered by calling DIRECTV will not appear on this list.

You will see the event channel, title, the start date and time, and the cost for each purchase. There may be more events than can fit on the screen. You can access these by using the ▼ key or **⏏** key.

If you would like to cancel an event, highlight the event in question and press **SELECT**. A pop-up panel will be displayed where you may be given the opportunity to cancel your purchase. Be aware that cancellation of some events may not be possible.

Lock/Unlock

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

When the button on the **MAIN MENU** reads *Lock*, no lock symbol appears at the top of the menu screen, indicating that the system is unlocked.

NOTE: Once the digital satellite receiver is locked, only existing *Family* list channels will be accessible. If the *Family* list does not have channels on it, no channels can be viewed without first unlocking the digital satellite receiver. To avoid this inconvenience, verify the contents of the *Family* list before locking the digital satellite receiver.

Locking Procedure

When the *Lock* button is selected, the **LOCK SYSTEM** pop-up panel is displayed. Use the ▲ and ▼ keys or the remote control number keys to enter a four-digit passcode of your choosing. If you enter the code using the number keys, you will not see the numbers appear on the screen. After entering a four-digit passcode, highlight and select **OK** to proceed. Otherwise, choose *Cancel* to cancel the locking process.

If you continue, you will be asked to confirm the code by entering it again in the same fashion as before. Once again, highlight and select **OK** to proceed. Otherwise, choose *Cancel*.

Once **OK** has been selected, the digital satellite receiver is locked. You will need code whenever you wish to unlock or override the lock. The button used to lock your system is now used to unlock your receiver. A lock symbol appears at the top of every menu screen to remind you that the digital satellite receiver is locked.



The *LOCK* pop-up panel

Unlocking Procedure

To remove the lock and its restrictions, highlight the *Unlock* button and press the **SELECT** key.



The UNLOCK pop-up panel

When the **SYSTEM UNLOCK** pop-up panel appears, you can use the **▲** and **▼** keys or the remote control number keys to enter the four-digit passcode that you used to lock the digital satellite receiver earlier. If you enter the code using the number keys, you will not see the numbers appear on the screen.

After entering the passcode, highlight and select **OK**. **Once the digital satellite receiver has been unlocked, all limits and restrictions are removed!** Otherwise, choose *Cancel* to keep the lock in effect.

If you forget your four-digit code, call DIRECTV for assistance.

Temporarily Overriding the Lock

There are times you may wish to temporarily remove the restrictions imposed by locking. You can do this without unlocking the digital satellite receiver. When you press **SELECT**, when prompted, the **LOCK OVERRIDE** pop-up will be displayed. It looks and navigates just like the **SYSTEM UNLOCK** pop-up.



The LOCK OVERRIDE pop-up panel on menus

Note: Once the correct four-digit code is entered, the digital satellite receiver will remain unlocked until you power the digital satellite receiver off. At that time all locks and limits will be enforced again.

Preferences

By changing the various options on the **PREFERENCES** screen, you can customize the digital satellite receiver to operate in the way that best suits your needs.



The PREFERENCES screen

You can access the **PREFERENCES** screen at any time and as often as you like to change any of these settings. Making changes cannot harm your DIRECTV PARA TODOS™ System in any way.

Places to go from the PREFERENCES screen

Advanced

When you select *Advanced*, the **ADVANCED PREFERENCES** screen will be displayed. Here, you can set options including your digital satellite receiver ID and screen ratio. You can also reset all

options to the factory default settings.

Things to do in the PREFERENCES screen

MultiColor

The *MultiColor* option allows you to choose whether or not programs in the on-screen guide will be color coded to indicate their category. When enabled, programs that are movies will appear on a rose background, sports on a green background, and news on a brown background. All other program categories will continue to appear on a blue background.

Chan. Tags

The *Chan. Tags* option will influence only the appearance of the **PROGRAM GUIDE** styles. With this control, you may choose whether the channel tags will appear as channel numbers and call signs or as network logos.

Chan. Sort

By default, “Channel Sort Option” is set to *Number*. This numerically lists channels in the program guide. Setting this option to *Name* will display channels in alphabetical order.

NOTE: If you sort the channels by *Name*, please take note. Using the **CH and **HO** keys to step through the channels will appear to change channels a random order when, in fact, the channels are sorted and tuned to in alphabetical order.**

Scheme

The **SCHEME** pop-up menu enables you to select a color scheme for the on-screen guides and menus.

Audio

The **DEFAULT AUDIO** pop-up menu enables you to specify the audio track for programs you watch. While *English* is the default audio, you may choose an alternate audio track. If your chosen audio track is available for the program, you will hear it. Otherwise, what you will hear will be the primary audio track in which the program was produced.

Language

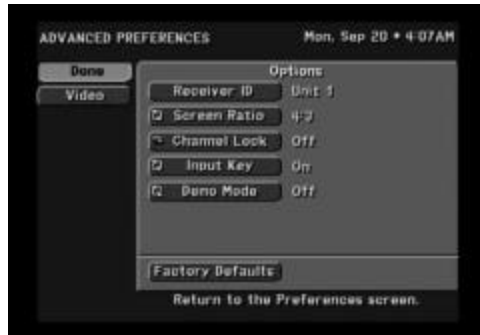
The **LANGUAGE** option enables you to specify the language in which menus and messages are displayed. While *Spanish* is the default language, you may choose *English*. Be aware that program titles and descriptions will continue to be in English since that text is broadcast. For example, a program broadcast in Spanish will continue to show titles and descriptions in Spanish. A program broadcast in English will continue to show titles and descriptions in English.

Filters

The default setting for *Filters* is “Temporary.” With a setting of “Temporary,” each time you leave the on-screen guide, all filters other than Channel List will reset (all categories and complete class). If you change the *Filters* setting to “Persistent,” any filtering that you should happen to do will survive exiting the on-screen guide and be in effect for the **OneLine Guide** and even later when returning to the on-screen guide at a later time.

Advanced Preferences

The **ADVANCED PREFERENCES** screen contains options that are less likely to require changes once they are set. Most users will not make any changes to this screen. This screen also provides a means to reset all preference options to the factory defaults.



The **ADVANCED PREFERENCES** screen

Things to do in the ADVANCED PREFERENCES screen

Receiver ID

Someday, you may choose to get a second digital satellite receiver. If both receivers are in the same room or if you are using an RF remote control or a remote control extender, you may experience interference between signals. To avoid this “cross talk,” simply

highlight the *Receiver ID* button and press **SELECT** on the remote control to be used for that specific digital satellite receiver. Remember to set your remote control to the desired code first. For information regarding changing the remote control code, see the chapter “Programming Your Remote Control.”

Screen Ratio

Screen Ratio should be set to 4:3 for most televisions, which is the default. This indicates that you are using a standard format television screen. However, if you have a wide-screen television, you may want to change this setting to the 16:9 option. While setting this option to the wrong format will not harm your TV, it may cause a distorted picture.

Channel Lock

The *Channel Lock* setting provides a way for you to set your digital satellite receiver to permanently stay on a specified channel. When the setting is anything other than “- - -” the digital satellite receiver will always power up on that channel and will ignore any attempts to change the channel. To allow channel changing to function again, set this option back to “- - -.”

Input Key

The *Input Key* option allows you to enable or disable the functionality of the **INPUT** key on your remote control. This is useful if you are not using the local TV pass through capability of your digital satellite receiver and want to avoid getting a snowy picture from inadvertent presses of the **INPUT** key. Please note that the pass through capability happens automatically when the digital satellite receiver is powered off.

Demo Mode

The Demo Mode is a feature that is primarily intended for in-store presentations. When enabled, the digital satellite receiver will step through a variety of features and display messages describing these features. While pressing any key will allow you to regain operation of your digital satellite receiver, this is only temporary. After several minutes of non-interaction, the demonstration will begin again. To stop the demonstration mode permanently, disable the Demo Mode via this button.

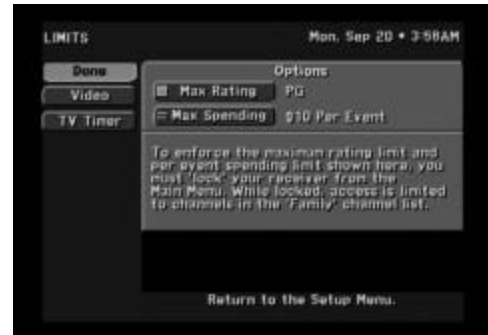
Factory Defaults

If you ever want to reset the digital satellite receiver preferences, select the *Factory Defaults* button.

Limits

The **LIMITS** screen provides settings to help you control the viewing restrictions of satellite programming. These limits, when accompanied by the **CHANNEL LISTS**, put a great degree of control in your hands.

For the Rating and Spending limits to be enforced, the digital satellite receiver must be locked, as described earlier in this chapter.



The *LIMITS* screen

Things to do in the *LIMITS* screen

Max Rating

Program ratings indicate the suitability of a program's content for a given audience. For families with younger children, a lower rating limit may be desirable. Other families may choose to allow viewing of more sophisticated programming. The **LIMITS** screen leaves this choice and control up to you.

Highlight the *Max Ratings* button and press **SELECT** to display the **MAX RATING** pop-up menu where you set the limit. When the digital satellite receiver is locked, the passcode must be entered to change the ratings limit.

Determine the highest allowable rating for your family and highlight it. When you press **SELECT** all ratings up to and including the chosen rating will be checked. All higher ratings will be cleared. You may choose to *Lock All* or *Allow All* instead of setting a specific limit.



The *RATING* pop-up panel

Max Spending

Pay per view access enables you to purchase special, limited-broadcast events such as sporting events and movies. You can set the maximum purchase price on a per-event basis. To change the displayed limit, highlight the *Max Spending* button and press **SELECT** to display the **SPENDING LIMIT** pop-up panel. When the digital satellite receiver is locked, the passcode will be needed to change the ratings limit.

Use the number keys on the remote control to set the limit or use the **▲** and **▼** keys to increase or decrease each digit. Use the **◀** and **▶** keys to highlight the digit that you want to change. The maximum limit is \$655 per event.

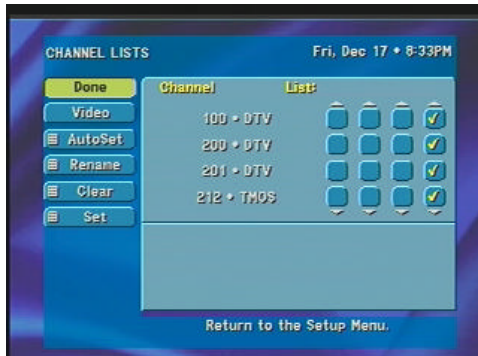
Highlight **OK** and press **SELECT** to confirm the entered amount.



The *SPENDING* pop-up panel

Channel Lists

Channel Lists are provided to help you organize the hundreds of available channels into groupings that suit the needs of your household. Each list can contain as many or as few channels as you would like. You can customize these groupings in a variety of 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. Each of the lists, with the exception of *Family*, can be renamed.



The CHANNEL LISTS setup screen

NOTE: Once the digital satellite receiver is locked, only existing *Family* list channels will be accessible. If the *Family* list has not had channels added to it, no channels can be viewed without first unlocking the digital satellite receiver. To avoid this inconvenience, set up the *Family* list before locking the digital satellite receiver.

Places to go from the CHANNEL LISTS screen

Rename

When you highlight the *Rename* button and press the **SELECT** key, a Rename List pop-up menu appears. You can choose any of the first three lists to be renamed. The *All*, *Family*, and *Top 10* lists cannot be renamed. Once you have selected a list, a Rename List entry keyboard pop-up panel appears. You can highlight the desired letter using the **▲**, **▼**, **◀**, and **▶** keys. Press **SELECT** to enter the letter. When you have finished, choose *OK*.

Auto Set

AutoSet is designed to help in the initial programming of your channel lists. When you select the *Auto Set* button, a pop-up menu appears showing each of the channel lists. Highlight and select a channel list to be programmed. Once selected, the Auto Set Progress pop-up status panel appears. It will take several minutes for the digital satellite receiver to scan through all 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 digital satellite receiver is faulty. These channels were excluded or included due to the digital satellite receiver's analysis process. You may edit the lists manually to correct these oversights.

Clear

You may decide to remove all channels from a particular list later on. Selecting *Clear* will allow you to clear all channels from a chosen list. You may then add channels back in.

Set

If you decide to include all channels in a particular list, selecting *Set* will allow you to specify the list. You may then remove channels from this list if you so choose.

Things to do in the CHANNEL LISTS screen

Tag Boxes

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

In the **CHANNEL LISTS** screen, use the ▲, ▼, ◀, and ▶ keys to highlight the button that corresponds to the channel number and list that you wish to change. Press the **SELECT** key 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 currently airing program for that channel will appear at the top of the screen.

Remember that when the digital satellite receiver is locked, only channels in the Family list can be viewed. This means that even though a channel appears on the *Fav. A, B, C, or All Channels* list, the selected channel must also be on the *Family* list in order to see or hear it.

For the Family List limit to be in force, the digital satellite receiver must be locked. Locking is described earlier in this chapter. When the system is locked the passcode will be needed to modify the settings of the channel lists.

TurboTune™

The **TURBOTUNE SETUP** screen is used to specify which nine channels that will appear in the **TurboTune** pop-up panel that shows over video when **SELECT** is pressed.

Things to do in the TURBOTUNE SETUP screen

Set Channel

Using the ▲, ▼, ◀, and ▶ keys, highlight one of the nine channel boxes. You can enter the desired channel using the number keys on the remote control, or by using the **⏏** and **⏏**. Pressing **SELECT** while highlighting one of the channel boxes will also initiate a pop-up panel that will allow you to set the channel using the ▲ and ▼ keys on the remote control or the digital satellite receiver's front panel.



The TURBOTUNE setup screen

Installation

The **INSTALLATION** screen provides the utilities that makes the setup and testing of your system simple and convenient.

Places to go from the INSTALLATION screen

System Test

The *System Test* button takes you to the **SYSTEM TEST** screen.

New Card

The **NEW CARD** screen provides a way for DIRECTV to distribute new access cards. Should you be issued a new card, you will need to activate it. Follow the on-screen instructions carefully to initialize it.

Once the process has begun, your old access card will no longer allow viewing. You should not interrupt the process once it has begun. An interruption could cause both the old and the new card to become invalid. When the process is complete, your new access card will be usable, while the old card will no longer be valid.



The INSTALLATION screen

Satellite

This button only applies for oval dishes that are equipped with LNBs that receive signals from 101°, 119° and possibly 110°. Each time this button is selected, the satellite being monitored for signal strength will advance.

Transponder

You may want to try different transponders to troubleshoot satellite signal reception problems. Each transponder transmits multiple programs at a time. The transponder shown when the screen first displays represents the one associated with the last viewed program. By moving the highlight to the transponder area, you can enter a number from 01 to 32. Different transponders may show varying signal strengths. This is normal unless the variations are extreme (such as 40 and 90). In the event of signal reception problems, customer service representatives may ask for signal strength on a different transponder. Do not change transponders trying to find the best signal since the transponder will automatically change depending on the channel you want to view.

Another signal strength utility that you may find useful is the *Cable Test* that can be found in the **SYSTEM TEST** screen.

Receiver ID

Someday, you may choose to get a second digital satellite receiver. If both receivers are in the same room or if you are using an RF remote control or a remote control extender, you may experience interference between signals. To avoid this “cross talk,” simply highlight the *Receiver ID* button and press **SELECT** on the remote control to be used for that specific digital satellite receiver. Remember to set your remote control to the desired code first. For information regarding changing the remote control code, see the chapter “Programming Your Remote Control.”

Dish Type

The *Dish Type* button will initiate a pop-up menu where you can choose the style of satellite dish you are using. The following options are provided in that menu:

SINGLE – Refers to the traditional 18” satellite dish. This dish will be configured with an LNB with either 1 or 2 outputs.

DUAL – Refers to the larger, oval, multi-LNB satellite dish. This dish will be configured with two LNBs in the positions marked “SAT A” (101°) and “SAT B” (119°). Each LNB will have 2 outputs.

TRIPLE - Refers to the larger, oval, multi-LNB satellite dish. This dish will be configured with three LNBs in the positions marked “SAT A” (101°), “SAT B” (119°) and “SAT C” (110°).

Note: When “Satellite 1” is used in reference, this is equivalent to “SAT A.” Likewise, “Satellite 2” equates to “SAT B” and “Satellite 3” equates to SAT C. Choosing the correct dish type is necessary to obtain correct pointing results. For the DIRECTV PARA TODOS™ system, the *Dish Type* must be set to “DUAL.” If you had the system professionally installed, the technician will select the proper setting.

Position

After selecting *Position* from the **INSTALLATION** screen a pop-up menu called Alignment Mode will appear. You can enter your location by either *Align by ZIP* or *Align by LAT/LONG*. After making your selection, the appropriate pop-up entry panel will appear. Use the ▲ and ▼ keys or use the numeric keypad to change the value of the digits. Press the ► key to advance or the ◀ key to back up. Once you have entered all of the correct digits, select *OK*. The calculated results on the proper direction to point your satellite dish antenna will be displayed.

Things to do in the INSTALLATION screen

Here, the quality of the satellite signal is automatically displayed. In addition to using this at installation time, you can use it to troubleshoot if you experience loss of signal, momentary video freezing, or similar problems.

System Test

Whenever you experience a problem with your satellite system, you can use the **SYSTEM TEST** screen, which runs a series of internal diagnostics that will provide you with basic information about the status of your system.

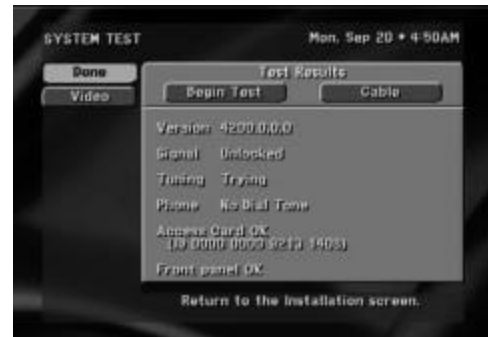
Things to do in the SYSTEM TEST screen

Receiver Test

Depending on your test results, you may be able to remedy the problem yourself. For example, if your Access Card is missing, verify that it is facing the right direction and try reinserting it. A “No Dial Tone” message indicates that the phone line is in use or the digital satellite receiver is disconnected from the phone line. If you cannot remedy a problem yourself, call your dealer or the Hughes Customer Care Center at 1-877-272-8636 and provide the technician with a complete description of the problem and the results of the system test. The technician will assist you with additional repair information and instructions.

Cable Test

When Cable Test is selected the digital satellite receiver scans through all transponders and displays the signal strength for each. If there are any detectable problems, you will be notified of the most likely cause of the problem. Otherwise, you may simply find this test to be a convenient way to analyze your signal quality.



SYSTEM TEST screen

PROGRAMMING YOUR REMOTE CONTROL

8

You can use the remote control that came with your digital satellite receiver to control other components in your entertainment system. The remote control will control your digital satellite receiver and other devices in your entertainment system.



The remote control.

Programming the Remote Control

There are two ways to program your remote control to match your equipment: code scan and code entry. Code scan can take some time, but it avoids having to refer to this manual to program your remote control. Code entry saves some time but you will need to look up the codes assigned to the devices.



Programming Mode

Keep your remote control aimed at the device you want to control during this process. The remote control will send out the “power” command for the device being programmed.

While holding down the device key (i.e., TV) that you are programming, press the “Mute” key for one full second. Then release the keys. The device key should light and stay lit. If it doesn’t, repeat the process.

Then choose either the code scan or code entry method.

Code Scan

Once you are in programming mode, repeatedly tap the  key to step through the codes, sending out the power command. This could take some time since there are could be many for each type of device. When your device shuts off, you have found the code. If you inadvertently go past a code that responded, or realized that you may not have been aiming the remote at the device, you can use the  key to step backward through the codes. Press the **POWER** key to verify that you haven’t missed the code. In order to lock in the code, press the device key again. The remote will remember the code until you reprogram it.

Code Entry

First, look up the device type and brand in the following charts. You will find a list of numbers; one or more of which should operate your device. If there is more than one code, you will need to try each of them to find the one that works best.

Once you are in code entry mode, enter the three-digit code. Press the device key being programmed once again to lock in the entered code. The remote will remember the code until you reprogram it.

Test if the entered code matches your device by pressing the **POWER** key. If the device works, you're all set. Otherwise, repeat the process using the next code for your brand or try the code scan procedure.

TELEVISION	CODE NUMBER
Admiral	072 081 160 161
A Mark	112 143
Akai	070 146
Amstrad	052
Anam	043 054 056 080 112 131
AOC	070 004 058 112
Audiovox	076 120
Blaupunkt	088
Bruette	572
Candle	070 002 003 004
Capehart	058
Cetronic	043
Citizen	070 002 003 004 043 101 103 143
Classic	043
Concerto	004
Contec	043 050 051
Coronado	143
Craig	043 054 191
Crown	043 143
Curtis Mathes	070 101 143 004
CXC	043
Daewoo	076 103 004 016 043 114 120 127 143 128 136 192 044
Daytron	004 143
Dynasty	043
Dynatech	062
Electrohome	024 076 120 143
Emerson	004 005 028 043 047 048 050 051 076 120 143 151 153 154 155 070 096 191
Fisher	007 057
Funai	028 043
Futuretech	043
GE	160 165 161 070 008 009 034 056 073 074 130 155 167 004 145
Goldstar	004 106 110 112 119 127 143 193
Hall Mark	004
Hitachi	011 004 009 010 012 023 075 143 007 072
Infinity	164
JBL	164
JCPenny	070 004 008 009 030 065 101 160 024 143 156
Jensen	013
JVC	038 001 083 034
KEC	043
Kenwood	070 001
Kloss	002 059
KMC	143
KTV	043 143 154 070
Kuehn	722
Lodgenet	072
Logik	072
Lauxman	004
LXI	007 015 052 081 160
Magnavox	164 059 070 003 004 060 061 063 064 022 094 127 160
Marantz	070 164
Matsui	164
Memorex	004 007 072
Metz	088
MGA	024 070 004 024 028 042
Minerva	088
Mitsubishi	024 004 040 042 028 146
MTC	070 004 062 101

TELEVISION	CODE NUMBER
NAD	015 025
NEC	070 040 016 056 024 130 134 019 004
Nikei	043
Onking	043
Onwa	043
Optonica	019 081
Panasonic	034 080 056 164
Philco	164 070 003 059 060 064 004 056 063 024
Philips	164 093 038 005 059 127 070 003 004
Pioneer	025 070 004 018 023 190
Portland	004 143 065
Proscan	160 161 167 145 065
Proton	004 058 131 143 171 173
Quasar	034 056 080 164
Radio Shack	004 019 043 127 143
RCA	160 161 156 165 065 070 004 023 024 056 074 152 167 145
Realistic	007 019 043 047
Runco	072 130
Sampo	070 004 058
Samsung	101 004 050 089 105 160 127 143 133
Sanyo	007 020 053 057 082
Scott	004 028 043 048 143
Sears	015 030 028 094 004 007 057 082 143 160 167
Sharp	081 004 014 019 022 028 143 029
Siemens	088
Signature	072
Sony	001 085 126 166 079
Soundesign	028 003 004 043
Spectricon	112
SSS	004 043
Supre Macy	002
Sylvania	070 003 059 060 063 064 127 160 164 044
Sylvester	917
Symphonics	194 052
Tandy	081
Tatung	056 062
Technics	034 080
Techwood	004
Teknika	002 003 004 024 028 043 072 101 143
Telerent	072
Tera	173
Tmk	004
Toshiba	015 030 007 040 062 101
Universal	008 009
Video Concepts	146
Vidtech	004
Wards	004 019 064 008 009 028 060 061 063 072 074 143 164 165
Westing House	076 120
Yamaha	070 004
York	004
Yupiteru	043
Zenith	072 073 095 103
Zonda	112

VCR	CODE NUMBER
Aiwa	034
Akai	016 043 046 124 125 142 146

VCR	CODE NUMBER
Ampro	072
Anam	031
Audio Dynamics	012 023 039 043
Brooksonic	035 037 044 129 152
Canon	028 031
Capehart	108
Craig	003 040 135
Curtis Mathes	031 041 156
Deawoo	117 119 005 116 007 010 065 108 110 112
Daytron	108
Dimensia	156
DBX	012 023 039 043
Dynatech	034 053
Electrohome	059
Emerson	006 029 035 025 027 034 036 037 046 101 129 131 138 017 031 044 152 157 153
Fisher	003 008 009 010
Funai	034
GE	031 072 144 147 063 151 107 109 156 126
Go Video	040 132 136
Goldstar	101 123 012 013 114
Harman Kardon	012 045
Hitachi	004 026 034 063 137 150 156
Instantreplay	031
JCL	031
JCPenny	012 013 040 101 156 066
Jensen	043
JVC	048 050 043 130 060 012 031 150 055 158
Kenwood	014 034 047 048 023
Lloyd	034
LXI	034 003 009 017
Magin	040
Magnavox	067 031 034 041 068 154 160 064
Marantz	067 069 031 067 012 023
Marta	101
Matsui	027 030
MEI	031
Memorex	102 101 003 010 014 031 034 053 072 139 134
MGA	045 046 059
Minolta	013 156
Mitsubishi	059 061 046 051 142 013 045 162
MTC	034 040
Multitech	024 034
NEC	012 023 043 048 039
Nordmende	043
Optonica	053 054
Panasonic	070 133 031 066 161
Pentax	013 031 063 156
Philco	031 034 067
Philips	031 067 034 101 054 071
Pilot	101
Pioneer	021 013 048
Portland	108
Quartz	002 014
Quasar	070 133 161 031 066
Radio Shack	123
RCA	107 109 144 147 151 013 041 034 040 156 031 140
Realistic	003 008 010 014 031 034 040 053 054 101
Rico	058 078

VCR	CODE NUMBER
Salora	014
Samsung	102 040 032 104 107 109
	112 113 115 120 122 125
	159
Sansui	043 048 135 022
Sanyo	003 010 102 007 014 134
Scott	017 037 044 129 131 112
	159
Sears	003 008 009 010 013 014
Sharp	017 081 101
	031 054 053
Shintom	024
Signature	034
Sony	056 057 058 003 052 149

VCR	CODE NUMBER
	031 155
Soundesign	034
STS	013
Sylvania	031 059 034 067
Symphonic	034
Tandy	010 034
Tatung	039 043 023
Teac	034 039 043 023
Technics	031 070
Teknika	031 019 034 101
TMK	006
Toshiba	112 008 131 047 059 082
	013 042
Totevision	040 101

VCR	CODE NUMBER
Unitech	040
Vector	012
Research	
Video Concepts	012 046 034 141
Videosonic	040
Wards	003 013 024 031 034 040
	053 054 017 131
Yamaha	012 043 034 039
Zenith	072 080 056 048 034 101
	058

Using the Remote Control

Once your codes are entered, you are ready to start using your universal remote control. The device keys allow you to switch from one device to another. Some keys behave in a special way. They control one device while you are actually in another device mode. For instance, while in SATellite mode, pressing Volume +/- controls your TV's volume—not a digital satellite receiver volume. This is because the remote control knows that there is no volume control on the digital satellite receiver.

Advanced feature keys (i.e. **ACTION**, **EXIT**) are not supported for devices other than your digital satellite receiver. For other devices, only the primary keys (i.e. **TV** and **POWER**) will function.

- For Sony-brand devices, use the **ALPHA** key as the “Enter” key.
- For RCA-brand devices, the device key (i.e., “TV” or “VCR”) might be the “power on” key and **POWER** is the power off key.

Switching the Remote Control to Operate Additional Digital Satellite Receiver

Your remote control can be reprogrammed to operate additional digital satellite receivers. This may be necessary in situations where multiple digital satellite receivers are located in the same general area and can pick up signals intended for each other.

To switch the remote control, simply press and hold the **SAT** key while entering the receiver ID. The receiver ID can be 001 through 008. Do not forget the two zeros. Remember to access the **ADVANCED PREFERENCES** screen using the keys on the front of the digital satellite receiver to pair it with the remote control.


The other way to program your remote control to match you digital satellite receiver is to scan for the correct code.

1. Keep your remote control aimed at the device you want to control during this process. The remote control will send out the “power” command for the digital satellite receiver.
2. While holding down the SAT key, press the “Mute” key for one full second. Then release the keys. The SAT key should light and stay lit. If it doesn't, repeat the process.
3. Once you are in programming mode, repeatedly tap the **TV** key to step through the codes, sending out the power command. This could take up to eight presses. When your digital satellite receiver shuts off, you have found the code.
4. Press the **POWER** key to verify that you haven't missed the code. In order to lock in the code, press the SAT key again.

The remote will remember the code until you reprogram it.

Identifying Codes that Have Been Stored

You can determine the codes that are stored in your remote control. This may be useful for reprogramming additional remote controls later on.

1. Press the device key and the “Mute” key simultaneously.
2. Press the  key and count the number of times the red light on the top of the remote control blinks. Each digit of the three-digit code is separated by a 3-second period the light is off. For example, if the code number is 021, the light will blink 10 times (for “0”), pause three seconds, blink twice, pause three seconds, and blink once.

QUESTIONS AND ANSWERS

APPENDIX

A

Questions? Did we forget to tell you something? Many people, over time, have questions about their DIRECTV PARA TODOS™ System. We have compiled the most common of these questions and the answers in this appendix. 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, besides your digital satellite receiver, you must program your remote control to match your different devices. See the chapter, “Programming Your Remote Control” in this manual for specific instructions. If you have already successfully programmed your remote control, try pressing the appropriate device key to put your remote in the proper mode. Then try controlling that device. Also, make sure that the batteries in the remote control are good.

Q My digital 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” key before trying to control the digital satellite receiver. If that doesn't work, press the “SAT” and “Mute” keys together and try again. If that doesn't work, or if the front panel keys don't work either, unplug your digital satellite receiver for 30 seconds, then plug it back in. Since your digital satellite receiver is a computing device it is susceptible to erratic changes in power and/or signal, just as any other computer, and these sudden changes can cause it to become “confused.”

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 satellite program 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 some extension. Why?

A There are many different reasons for this. If you want to watch the channel that is displaying the message, call the DIRECTV PARA TODOS™ customer service center at 1-888-388-6622 or your service provider that appears on your bill.

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 DIRECTV has disabled your ability to make on-screen purchases. For assistance, call the DIRECTV PARA TODOS™ customer service center at 1-888-388-6622 or your service provider that appears on your bill..

Q Can I receive my local TV programs through my digital satellite receiver?

A There are three ways to receive local programming:

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

If you should select item 1 above, you local programming will appear in the program guide just as any other channel. For options 2 or 3, connect the local signal to the IN FROM ANTENNA on the back of your digital satellite receiver. Use the **INPUT** key to switch between satellite programming and local programming provided on the OUT TO TV connector.

Q If I have questions about my DIRECTV PARA TODOS™ System or need to have it serviced, who should I call?

A For issues regarding your equipment, contact us directly at the Hughes customer care center at 1-877-272-8636. If you would like, call your dealer first. They are most familiar with your installation and needs. Also, they are likely to be local to you.

If you need assistance with your subscription, such as adding channels, contact call the DIRECTV PARA TODOS™ customer service center at 1-888-388-6622 or your service provider that appears on your bill.

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 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 happens very rarely and lasts for only a minute or so.

Q What if my question isn't listed here?

A Call your dealer or the Hughes Customer Care Center at 1-877-272-8636. We will do our very best to answer your questions.

LIMITED WARRANTY

Hughes Network Systems (HNS) provides the following limited warranty on your DIRECTV PARA TODOS™ System from Hughes Network Systems.

This limited warranty is in lieu of all other warranties, whether express, implied, or statutory, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose. HNS shall not be liable for damages in excess of the purchase price of the product less reasonable amount for use and wear, or for any incidental, special, punitive, or consequential damages of any nature whatsoever, or for any delays, loss of use, time, profits, revenue or savings, any commercial loss, inconvenience, damage to buyer's or to other person's property, arising from the use or inability to use the product, or otherwise for any failure to perform. HNS neither assumes nor authorizes any customer care center or any other person or entity to assume any other obligation or liability beyond that which is provided for in this limited warranty. No oral or written information or advice given by HNS, its dealers, distributors, agents or employees, shall create a warranty or in any way increase the scope of this warranty.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations of implied warranties, so the above limitations or exclusions may not apply to Purchaser.

This Limited Warranty gives specific legal rights to Purchaser, and Purchaser also may have other rights, which may vary from state to state.

PROVISIONS

Your HNS DIRECTV PARA TODOS™ System equipment (the satellite dish antenna, the digital satellite receiver, and the remote control) is warranted against defects in materials/workmanship for parts and labor:

Part	HIRD-E6 Satellite Receiver	HRMC-1 Remote Control	HANT-84 Dish and LNB(s)
Warranty Period	90 days labor 1 year parts	90 days parts	1 year parts

This limited warranty does not cover:

- a unit that has been modified
- damage from misuse, negligence, or accident
- any installation, or damages caused by installation
- shipments to HNS that are damaged in transit
- removal and reinstallation of equipment for repair
- loss of programming
- damage due to lightning (for example, power surges, nearby strikes)
- acts of God
- cost of shipping to HNS
- batteries or cables after installation

This limited warranty is not transferable and is valid only in the United States

SERVICE

If you have any questions or encounter any problems, you may contact your authorized HNS dealer or call our Customer Care Center, at 1-877-272-8636. To ensure prompt and efficient service, please have your model and serial numbers handy. Space to note these numbers is provided inside the front cover of this manual. In the event of repair or replacement, you will need these numbers, along with your bill of sale.

RETURN PROCEDURES

In the event that your equipment must be repaired or replaced, you can:

- contact your authorized HNS dealer or call our Customer Care Center to find the authorized service center nearest you.
- OR**
- choose the "replace after receipt" option, whereby you must ship HNS your defective equipment and, once your unit is received, a new or refurbished unit (at the sole discretion of HNS) will be shipped to you.
- OR**
- choose the "advance replacement" option, whereby a new or refurbished unit (at the sole discretion of HNS) will be shipped to you after you have provided an accepted credit card number for collateral purposes. Once you receive the replacement part from HNS, return your defective equipment within the specified time period to avoid being charged for the advanced part.

PACKING INSTRUCTIONS FOR EQUIPMENT TO BE RETURNED

1. Call the Customer Care Center. The Customer Care technician will give you an RMA (Return Merchandise Authorization) and a mailing address for returning your unit.
2. If you are returning the digital satellite receiver, please **keep your access card** and return only the digital satellite receiver. HNS will not replace any additional parts that you may send. Replacement of those parts will be at your expense.
3. Pack the unit in the original box and packing material, if possible, or in other packaging that provides adequate protection for shipping. Include your name and address, the model number, the serial number, and a copy of the bill of sale.
4. Write: "Attention: RMA #" (the number given to you by the Customer Care technician) on the return shipping label.
5. Shipping the unit is at your expense. We do advise that you ship via a traceable means and insure the shipment for the full replacement value.