



**DirectTV® Universal
Remote Control
User's Guide**

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INTRODUCTION

Congratulations! You now have an exclusive DIRECTV® Universal Remote Control that will control four components, including a DIRECTV Receiver, TV, and two stereo or video components (for example, a DVD, stereo, or second TV). Moreover, its sophisticated technology allows you to consolidate the clutter of your original remote controls into one easy-to-use unit that's packed with features such as:

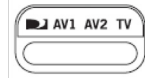
- Four-position **MODE** slide switch for easy component selection
- Code library for popular video and stereo components
- Code search to help program control of older or discontinued components
- Memory protection to ensure you will not have to re-program the remote when the batteries are replaced

Before using your DIRECTV Universal Remote Control, you may need to program it to operate with your particular component. Please follow the instructions detailed in this guide to set up your DIRECTV Universal Remote Control so you can start enjoying its features.

FEATURES AND FUNCTIONS

Key Charts

Press this key...	To...
-------------------	-------



Slide the **MODE** switch to the **DIRECTV, AV1, AV2** or **TV** positions to select the component you want to control. A green LED under each switch position indicates the component being controlled.



Press **TV INPUT** to select the available inputs on your TV.
 Note: Additional setup is required to activate the TV INPUT key. See instructions on page 10.



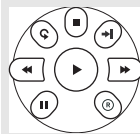
Press **FORMAT** to cycle through the resolution and screen formats. Each press of the key cycles to the next available format and /or resolution. (Not available on all DIRECTV Receivers)



Press **PWR** to turn the selected component on or off.



Press **TV POWER ON/OFF** to turn the TV and DIRECTV Receiver on or off.
 (Note: These keys are only active after the remote has been setup for your TV. See page 10).



Use these keys to control your DVR, VCR, DVD, or CD/DVD player.



Records a program.



Jumps back 6 seconds and plays video from that location.





Jumps ahead in a recording.





Use **GUIDE** to display the DIRECTV program guide.

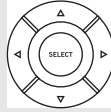
Press this key... To...

 Press **ACTIVE** to access special features, services, DIRECTV NEWS™ and info.

 Press **LIST** to display your TO DO list of programs. (Not available on all DIRECTV Receivers)


 Press **EXIT** to exit menu screens and the program guide and return to live TV.


 Press **SELECT** to choose highlighted items in menu screens or the program guide.


 Use the **ARROW** keys to move around in the program guide and menu screens.

 Press **BACK** to return to the previously displayed screen.

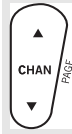
 Press **MENU** to display the Quick Menu.


 Use **INFO** to display current channel and program information when watching live TV or in the Guide.

 Press **YELLOW** in full-screen TV to cycle through alternate audio tracks
 Press **BLUE** in full-screen TV to display the Mini-Guide.
 Press **RED** in the Guide to jump 1.5 hours back.
 Press **GREEN** in the Guide to jump 1.5 hours forward.
 Other functions vary-look for onscreen hints or refer to your DIRECTV Receiver's user guide. (Not available on all DIRECTV Receivers).


 Press **VOL** to raise or lower the sound volume. The volume key is only active when the remote is set up for your TV.

Press this key... To...

 While watching TV, press **CHAN+** (or **CHAN-**) to select the next higher (or lower) channel.
While in the DIRECTV program guide or menu, press **PAGE+** (or **PAGE-**) to page up (or down) through available channels in the guide.


 Press **MUTE** to turn the sound off or back on.

 Press **PREV** to return to the last channel viewed.

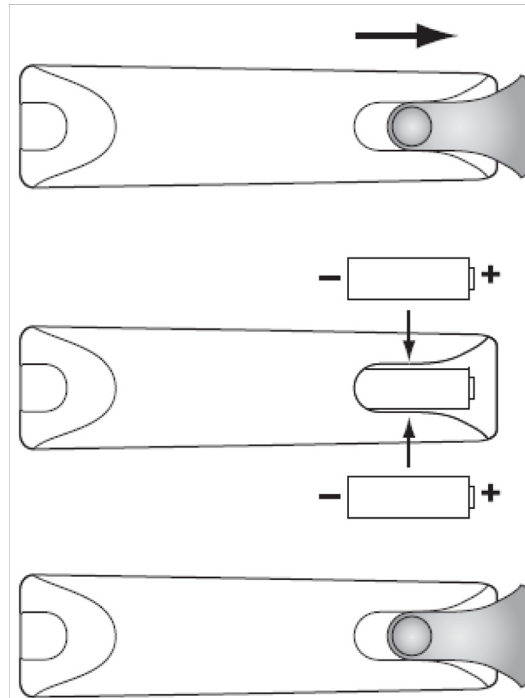
 Press the number keys to directly enter a channel number (e.g. **207**) while watching TV or in the Guide.

Press **DASH** to separate main and sub-channel numbers.

Press **ENTER** to activate number entries quickly.

 Use the **LIGHT** key, located on the right side of your remote control, to turn backlighting of all keys on or off.

INSTALLING BATTERIES



1. On the back of the remote control, push down on the door (as shown), slide the battery cover off, and remove the used batteries.
2. Obtain two (2) new AA alkaline batteries. Match their + and - marks to the + and - marks in the battery case, then insert them.
3. Slide the cover back on until battery door clicks into place.

CONTROLLING YOUR DIRECTV RECEIVER

The DIRECTV Universal Remote Control is designed to give you access to features and functions found on your original remote control. To use it with your brand of DIRECTV Receiver, you will need to setup the remote control by performing the following steps.

Setting Up Your DIRECTV Remote

1. Locate the DIRECTV Receiver's brand and model number (on the back or bottom panel) and write it in the spaces below.

BRAND:

MODEL:

2. Locate the 5-digit code for your DIRECTV Receiver. (See "Setup Codes for DIRECTV Receivers" on page 15.)
3. Power on the DIRECTV Receiver.
4. Slide the **MODE** switch to the DIRECTV position.
5. Press and hold the **MUTE** and **SELECT** keys until the green light under the **DIRECTV** position flashes twice, then release both keys.
6. Using the number keys, enter the 5-digit code. If performed correctly, the green light under the **DIRECTV** position flashes twice.
7. Aim the remote at your DIRECTV Receiver and press the **PWR** key once. The DIRECTV Receiver should turnoff; if it does not, repeat steps 3 and 4, trying each code for your brand until you find the correct code.
8. For future reference, write down the working code for your DIRECTV Receiver in the blocks below:

--	--	--	--	--

Onscreen Remote Setup

Once your remote is setup to work with your DIRECTV Receiver, you can set it up for your other equipment using the steps detailed on the following pages, or you can set it up onscreen by pressing **MENU**, then **SELECT** on Settings, Setup in the Quick Menu, then selecting Remote from the left menu.

CONTROLLING YOUR TV

Once you have successfully set up your DIRECTV Remote to operate your DIRECTV Receiver, you can set it up to control your TV. **We recommend you use the on-screen steps described on page 8**, but you can also use the manual method below:

1. Turn on the TV.
- NOTE:** Please read steps 2-5 completely before proceeding. Highlight or write down the codes and component you wish to setup before moving on to step 2.
2. Locate the 5-digit code for your TV (See "Setup Codes for TVs" on page 17.).
 3. Slide the **MODE** switch to the TV position.
 4. Press and hold the **MUTE** and **SELECT** keys at the same time until the green light under the TV position flashes twice, then release both keys.

5. Using the number keys enter the 5-digit code for your brand of TV. If performed correctly, the green light under **TV** flashed twice.
6. Aim the remote at your TV and press the **PWR** key once. Your TV should turn off. If it does not turn off, repeat steps 3 and 4, trying each code for your brand until you find the correct code.
7. Slide the **MODE** switch to the **DIRECTV** position. Press **TV POWER**. Your TV should turn on.
8. For future reference, write down the working code for your TV in the blocks below:

--	--	--	--	--

SETTING UP THE TV INPUT KEY

Once you have setup the DIRECTV Remote control for your TV, you can activate the **TV INPUT** key so you can change the “source”—the piece of equipment whose signal is displayed on your TV:

1. Slide the **MODE** switch to the **TV** position.
2. Press and hold the **MUTE** and **SELECT** keys until the green light under the **TV** position flashes twice, then release both keys.
3. Using the number keys enter **9-6-0**. (The green light under the **TV** position flashes twice.)

You now can change the Input for your TV.

Deactivate the TV Input Select Key

If you want to deactivate the **TV INPUT** key, repeat steps 1 through 3 from the previous section; the green light will blink 4 times. Pressing the **TV INPUT** key will now do nothing.

CONTROLLING OTHER COMPONENTS

The **AV1** and **AV2** switch positions can be setup to control a VCR, DVD, STEREO, second DIRECTV Receiver or second TV. **We recommend you use the onscreen steps described on page 8**, but you can also use the manual method below:

1. Turn on the component you wish to control (e.g. your DVD Player).
2. Locate the 5-digit code for your component. (See “Manufacturer’s Codes” starting on page 17).
3. Slide the **MODE** switch to the **AV1** (or **AV2**) position.

4. Press and hold the **MUTE** and **SELECT** keys at the same time until the green light under **AV1** (or **AV2**) flashes twice, then release both keys.
5. Using the **NUMBER** keys, enter the 5-digit code for the brand of component being set up. If performed correctly, the green light under the selected position flashes twice.
6. Aim the remote at your component and press the **PWR** key once. The component should turn off; if it does not, repeat steps 3 and 4, trying each code for your brand until you find the correct code.
7. Repeat steps 1 through 6 to setup a new component under **AV2** (or **AV1**).
8. For future reference write down the working code for the component(s) setup under **AV1** and **AV2** below:

AV1:

--	--	--	--	--

COMPONENT: _____

AV2:

--	--	--	--	--

COMPONENT: _____

SEARCHING FOR TV, AV1 OR AV2 CODES

If you were unable to find the code for your brand of TV or component, you can try a code search. This process may take up to 30 minutes.

1. Turn on the TV or component. Insert a tape or disk if applicable.
2. Slide the **MODE** switch to the **TV, AV1** or **AV2** position, as desired.
3. Press and hold the **MUTE** and **SELECT** keys at the same time until the green light under the selected switch position flashes twice, then release both keys.
4. Enter in **9-9-1** followed by one of the following 4-digits:

COMPONENT TYPE	COMPONENT ID #
----------------	----------------

Satellite	0
TV	1
VCR/DVD/PVR	2
STEREO	3

5. Press **PWR**, or other functions (e.g. **PLAY** for VCR) you want to use.
6. Point the remote at the TV or component and press **CHAN+**. Repeatedly press **CHAN+** until the TV or component turns off.

NOTE: Every time **CHAN+** is pressed the remote advances to the next code and power is transmitted to the component.

7. Use the **CHAN-** key to step back a code.
8. When the TV or component turns off, stop pressing the **CHAN+** key. Then, press and release the **SELECT** key.

NOTE: If the light flashes 3 times before the TV or component responds, you've cycled through all codes and the code you need is not available. You must use the remote that came with your TV or component.

Verifying the Codes

Once you have set up the DIRECTV Universal Remote Control using the above steps, use the following instructions to find out the 5-digit code to which your component responded:

1. Slide the **MODE** switch to the appropriate position.
2. Press and hold the **MUTE** and **SELECT** keys at the same time until the green light under the selected switch position flashes twice, then release both keys.
3. Enter in **9-9-0**. (The green light under the selected switch position flashes twice).
4. To view the first digit in the code, Press and release then number **1** key. Wait three seconds, and count the number of times the green light flashes. Write this number down in the TV, AV1 or AV2 code box found on pages 9 to 10.
5. Repeat step 4 four more times for the remaining digits; i.e., press number **2** for the second digit, **3** for the third digit, **4** for the fourth digit and **5** for the final digit.

CHANGING VOLUME LOCK

Depending on how you set up your remote, the **VOL** and **MUTE** may control the volume only on your TV, regardless of the position of the **MODE** switch. This remote can be set up so that the **VOL** and **MUTE** keys work *only* with the component selected by the **MODE** switch. To enable this feature, perform the following steps:

1. Press and hold the **MUTE** and **SELECT** keys until the green light under the **DIRECTV** position flashes twice, then release both keys.
2. Using the number keys, enter in **9-9-3**. (The green light will flash twice after the **3**).
3. Press and release the **VOL+** key. (The green light flashes 4 times).

Now the **VOL** and **MUTE** keys will work *only* for the component selected by the **MODE** switch position.

To Lock Volume to AV1, AV2 or TV

1. Slide the **MODE** switch to the **AV1**, **AV2** or **TV** position to lock the volume.
2. Press and hold the **MUTE** and **SELECT** keys until the green light under the selected switch flashes twice and release both keys.
3. Using the number keys, enter **9-9-3**. (The green light flashes twice).
4. Press and release the **SELECT** key. (The green light flashes twice).

NOTE: DIRECTV boxes don't have volume control, so the remote will not allow the user to lock volume to the DIRECTV Sat mode.

ACTIVATING AND DEACTIVATING THE RF TRANSMITTER

Your DIRECTV Universal Remote Control features RF (radio frequency) capability. When you activate the RF feature of your remote control, you can control your DIRECTV set-top box from anywhere in your home. You do not need to be within the line of site of your set-top box to control it.

NOTE: Before activating the RF transmitter, locate the RF antenna that was packaged with your remote control. Insert the RF antenna into the RF remote antenna coaxial connector on the back of your DIRECTV set-top box.

Activating the RF Transmitter

To activate the RF transmitter on your DIRECTV Universal Remote Control, perform the following steps:

1. Locate the six-digit RID number of your set-top satellite box. You can find the RID number on the back panel of your set-top box, or inside the CAM access door next to the reset button.
2. Write down the six-digit RID number.
3. Slide the mode switch to **DIRECTV, AV1**, or **AV2**.
4. Press and hold the **MUTE** and **SELECT** keys until the green light under the selected switch flashes twice and release both keys.
5. Using the number keys, enter **9-6-1**. (The green light flashes twice).
6. Press and release **CH+**. (The green light flashes twice).
7. Using the **NUMBER** keys, enter the six-digit RID number of your set-top satellite box (see step 2 above).
8. Press and release the **SELECT** key. (The green light flashes twice).

Deactivating the RF Transmitter

To deactivate the RF transmitter on your DIRECTV Universal Remote Control, perform the following steps:

1. Slide the mode switch to **DIRECTV, AV1**, or **AV2**.
2. Press and hold the **MUTE** and **SELECT** keys until the green light under the selected switch flashes twice and release both keys.
3. Using the number keys, enter **9-6-1**. (The green light flashes twice).
4. Press and release **CH-**. (The green light flashes twice).

The RF transmitter on your remote control is now deactivated. To reactivate the RF transmitter, See "Activating the RF Transmitter" on page 13.

RESTORE FACTORY DEFAULT SETTINGS

To reset all the functions of the remote control to the factory defaults (the original, out-of-the-box settings), follow these steps:

1. Press and hold the **MUTE** and **SELECT** keys at the same time until the green light flashes twice, then release both keys.
2. Using the number keys, enter in **9-8-1**. (The green light flashes 4 times).

TROUBLESHOOTING

PROBLEM: Light at the top of the remote blinks when you press a key, but the component does not respond.

SOLUTION 1: Try replacing the batteries (see page 8).

SOLUTION 2: Make sure you are aiming the DIRECTV® Universal Remote Control at your home entertainment component and that you are within 15 feet of the component you are trying to control.

PROBLEM: The DIRECTV Universal Remote Control does not control component or commands are not recognized properly.

SOLUTION: Try all listed codes for the device brand being set up. Make sure all components can be operated with an infrared remote control.

PROBLEM: TV/VCR combo does not respond properly.

SOLUTION: Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation (see page 12).

PROBLEM: CHAN+, CHAN-, and PREV do not work for your RCA TV.

SOLUTION: Due to RCA design for certain models (1983-1987), only the original remote control will operate these functions.

PROBLEM: Changing channels does not work properly.

SOLUTION: If original remote control required pressing **ENTER** to change channels, press **ENTER** on the DIRECTV Universal remote control after entering a channel number.

PROBLEM: Remote control does not turn on Sony or Sharp TV/VCR Combo.

SOLUTION: For power on, these products require setting up TV codes on the remote control. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.

DIRECTV SETUP CODES

Setup Codes for DIRECTV Receivers

DIRECTV Model D-10 00001, 00002

Hughes Network Systems 00749
(most models)

Hughes Network Systems 01749
models GAEB0, GAEB0A,
GCB0, GCEB0A, HBH-SA,
HAH-SA

GE models GRD33G2A and 00566
GRD33G3A, GRD122GW

Philips models DSX5500 00099
and DSX5400

Proscan models PRD8630A 00566
and PRD8650B

RCA models DRD102RW, 00566
DRD203RW, DRD301RA,
DRD302RA, DRD303RA,
DRD403RA, DRD703RA,
DRD502RB, DRD 503RB,
DRD505RB, DRD515RB,
DRD523RB, and
DRD705RB

DRD440RE, DRD460RE, 00392
DRD480RE, DRD430RG,
DRD431RG, DRD450RG,
DRD451RG,
DRD485RG, DRD486RG,
DRD430RGA,
DRD450RGA,
DRD485RGA, DRD435RH,
DRD455RH, and
DRD486RH

Samsung model SIR-S60W 01109

Samsung models SIR-S70, 01108
SIR-S75, SIR-S300W, and
SIR-S310W

Sony models (All models 01639
except TiVo and Ultimate
TV)

Setup Codes for DIRECTV HD Receivers

DIRECTV Model H-10 00001, 00002

Hitachi model 61HDX98B 00819

HNS models HIRD-E8, 01750
HTL-HD

LG model LSS-3200A, 01750
HTL-HD

Mitsubishi model SR-HD5 01749, 00749

Philips model DSHD800R 01749

Proscan model PSHD105 00392

RCA models DTC-100, 00392
DTC-210

Samsung model SIR-TS360 01609

Samsung models SIR- 01276
TS160

Sony models SAT-HD100, 01639
200, 300

Toshiba models DST-3000, 01749, 01285
DST-3100, DW65X91

Zenith models DTV1080, 01856
HD-SAT520

Setup Codes for DIRECTV DVRs

HNS models SD-DVR80, 01442
SD-DV40, SD-DVR120,
HDVR2, GXCEBOT,
GXCEBOTD

Philips models DSR704, 01142, 01442
DSR708, DSR6000,
DSR600R, DRS700/17

RCA models DWD490RE, 01392
DWD496RG

RCA models DVR39, 40, 80, 01442
120

Sony model SAT-T60 00639

Sony model SAT-W60 01640

Samsung models SIR- 01442
S4040R, SIR-S4080R, SIR-
S4120R

MANUFACTURER'S CODES

Setup Codes for TVs

A-Mark	10003
Abex	10032
Admiral	10093, 10463
Advent	10761, 10783, 10815, 10817, 10842
Adventura	10046
Aiko	10092
Akai	10060, 10812, 10702, 10030, 10672
Alaron	10179
Albatron	10700, 10843
Ambassador	10177
America Action	10180
Ampro	10751
Anam	10180
Anam National	10055
AOC	10030, 10003, 10019, 10052, 10185
Apex Digital	10156, 10748, 10879, 10765, 10767, 10890
Archer	10003
Audiovox	10451, 10180, 10092, 10003, 10623, 10802, 10875
Aventura	10171
Belcor	10019
Bell & Howell	10154, 10016
BenQ	11032
Boxlight	10893
Bradford	10180
Brockwood	10019
Broksonic	10236, 10463, 10180, 10003
Candle	10030, 10046, 10056, 10186
Carnivale	10030
Carver	10054
CCE	10217
Celebrity	10000
Celera	10765
Changhong	10765

Citizen	10060, 10030, 10092, 10039, 10046, 10056, 10186, 10280
Clairtone	10185
Clarion	10180
Commercial Solutions	11447, 10047
Concerto	10056
Contec	10180, 10157, 10185
Craig	10180
Crosley	10054
Crown	10180, 10039
Curtis Mathes	10047, 10054, 10154, 10451, 10093, 10060, 10702, 10030, 10145, 10166, 11347, 11147, 10747, 10466, 10056, 10039, 10016
CXC	10180
Daewoo	10451, 10092, 11661, 10019, 10039, 10623, 10661, 10672
Daytron	10019
Dell	11454, 11080, 11178
Denon	10145
Dumont	10017, 10019
Durabrand	10463, 10180, 10178, 10171, 11034, 10003
Dwin	10093, 10720, 10747, 10774
Electroband	10000, 10185
Electrograph	11755
Electrohome	10381
Emerson	10154, 10451, 10236, 10463, 10180, 10178, 10171, 10019, 10038, 10039, 10177, 10179, 10185, 10280, 10282, 10623
Envision	10030, 10813
Epson	10833, 10840
ESA	10812, 10171
Fisher	10154, 10159
Fujitsu	10179, 10186, 10683, 10809, 10853
Funai	10180, 10171, 10179

Futuretech	10180
Gateway	11755, 11756
GE	11447, 10047, 10051, 10451, 10178, 10021, 10027, 10055, 10135, 10282, 10747, 11347
Gibraltar	10017, 10030, 10019
Go Video	10886
GoldStar	10178, 10030, 10001, 10019, 10032
Grundig	10683
Grunpy	10180, 10179
Haier	11034, 10768
Hallmark	10178
Harley Davidson	10179
Harman/Kardon	10054
Harvard	10180
Havermy	10093
Helios	10865
Hello Kitty	10451
Hewlett Packard	11088, 11089, 11101, 11494, 11502
Hisense	10748
Hitachi	11145, 10145, 10016, 10032, 10038, 10056, 10151
HP	11088, 11089, 11101, 11494, 11502
Hyundai	10849
Infinity	10054
Insignia	11326
Inteq	10017
Janeil	10046
JBL	10054
JCB	10000
Jensen	10761, 10815, 10817
JVC	10053, 10731, 11253
Kaypani	10052
KEC	10180
Kenwood	10030, 10019
KLH	10765, 10767
Kloss	10024, 10046
Kost	11262

KTV	10180, 10030, 10039, 10185, 10217, 10280
LG	11265, 10178, 10700, 10856, 11178, 10823
Logik	10016
Luxman	10056
LXI	10047, 10054, 10154, 10156, 10178, 10747
Magnavox	11454, 10054, 10030, 10706, 10020, 10024, 10096, 10179, 10186, 10187, 10386, 10802, 11254
Majestic	10016
Marantz	11454, 10054, 10030, 10704, 10854, 10855, 11154
Matsushita	10250, 10650
Maxent	11755
Megapower	10700
Megatron	10178, 10145, 10003
MEI	10185
Memorex	10154, 10463, 10150, 10178, 10016, 10179
MGA	10150, 10178, 10030, 10019
Midland	10047, 10017, 10051, 10032, 10039, 10135, 10747
Minutz	10021
Mitsubishi	10093, 11250, 10150, 10178, 10019, 10836, 10868
Monivision	10700, 10843
Motorola	10093, 10055
MTC	10060, 10030, 10019, 10056, 10185
Multitech	10180, 10217
NAD	10156, 10178, 10866
NEC	10030, 10019, 10056, 10497, 10882, 11704
NetTV	11755
Nikko	10178, 10030, 10092
Norcent	10748, 10824
Noshi	10018
NTC	10092
Olevia	11331
Onwa	10180

Optimus	10154, 10250, 10166, 10650
Optoma	10887
Optonica	10093, 10165
Orion	10236, 10463, 11463, 10179
Panasonic	10250, 10051, 10055, 10650, 11410
Penney	10047, 10156, 10051, 10060, 10178, 10030, 10003, 10018, 10019, 10021, 10027, 10032, 10039, 10135, 10747, 11347
Philco	10054, 10030, 10019, 10020, 10096
Philips	11454, 10054, 10690, 11154
Pilot	10030, 10019, 10039
Pioneer	10166, 10038, 10679, 10866
Polaroid	10765, 10865, 11262, 11276, 11314, 11316, 11326, 11327, 11328, 11341
Portland	10092, 10019, 10039
Prima	10761, 10783, 10815, 10817
Princeton	10700, 10717
Prism	10051
Proscan	11447, 10047, 10466, 10747, 11347
Proton	10178, 10003, 10052, 10466
Pulsar	10017, 10019
Quasar	10250, 10051, 10055, 10165, 10650
RadioShack	10047, 10154, 10180, 10178, 10030, 10019, 10032, 10039, 10056, 10165, 10747
RCA	11447, 10047, 10018, 10019, 10038, 10090, 10135, 10679, 10747, 11047, 11147, 11247, 11347, 11547
Realistic	10154, 10180, 10178, 10030, 10019, 10032, 10039, 10056, 10165
Rhapsody	10185
Runco	10017, 10030, 10497, 10603

Sampo	10030, 10032, 10039, 10052, 11755
Samsung	10060, 10812, 10702, 10178, 10030, 10019, 10032, 10056, 10217, 10766, 10814, 11060
Samsux	10039
Sansui	10463
Sanyo	10154, 10146, 10159, 10799, 10893
Scimitsu	10019
Scotch	10178
Scott	10236, 10180, 10178, 10019, 10179
Sears	10047, 10054, 10154, 10156, 10178, 10171, 10056, 10146, 10159, 10179, 10747
Sharp	10093, 10039, 10157, 10165, 10386, 10491, 10688, 10689, 10818, 10851
Sheng Chia	10093
Shogun	10019
Signature	10016
Signet	11262
Simpson	10186, 10187
Sole	10813
Sony	11100, 10000, 10080, 10111, 10834
Soundesign	10180, 10178, 10179, 10186
Spectricon	10003
Squareview	10171
SSS	10180, 10019
Starlite	10180
Studio Experience	10843
Superscan	10093, 10864
Supre-Macy	10046
Supreme	10000
SVA	10748, 10768, 10865
Sylvania	10054, 10030, 10171, 10020, 10096, 10381
Symphonic	10180, 10171
Syntax	11331

Tandy	10093
Tatung	10003, 10055, 11101, 11756
Technics	10250, 10051
Technol Ace	10179
Techview	10847
Techwood	10051, 10003, 10056
Teknika	10054, 10180, 10150, 10060, 10092, 10016, 10019, 10039, 10056, 10179, 10186
Telefunken	10702, 10056
TMK	10178, 10056, 10177
TNCi	10017
Toshiba	10154, 11256, 10156, 11265, 10060, 10650, 10832, 10845, 11156, 11356, 11656, 11704
Tosonic	10185
Totevision	10039
Trical	10157
TVS	10463
Universal	10027
Vector Research	10030
Victor	10053
Vidikron	10054
Vidtech	10178, 10019
Viewsonic	10857, 10864, 10885, 11755
Viking	10046
Vizio	10864, 10885, 11756
Wards	10054, 10178, 10030, 10016, 10019, 10020, 10021, 10027, 10056, 10080, 10096, 10111, 10165, 10179, 10866, 11156
Waycon	10156
Westinghouse	10000, 10451, 10885, 10889, 10890, 11092, 11282
White Westinghouse	10463, 10623
Yamaha	10030, 10019, 10769, 10833, 10839
Zenith	10017, 10463, 11265, 10178, 11145, 10092, 10016
Zonda	10003

Setup Codes for Audio Amplifiers

Aiwa	30406
Bose	30674
Carver	30892, 30269
Cinema Sound	30160
Curtis Mathes	30300
Denon	30160
Durabrand	31561
GE	30078
Harman/Kardon	30892
JVC	30331
Left Coast	30892
Lennox	31561
Linn	30269
Luxman	30165
Magnavox	30269
Marantz	30892, 30321, 30269
Nakamichi	30321
NEC	30264
Optimus	30395, 30300
Panasonic	30308, 30521
Parasound	30246
Pass Labs	30269
Philips	30892, 30269
Pioneer	30013, 30300
Polk Audio	30892, 30269
RCA	30300
Realistic	30395
Sansui	30321
Shure	30264
Sony	30689, 30220, 30815
Soundesign	30078, 30211
Technics	30308, 30521
Victor	30331
Wards	30078, 30013, 30211
Yamaha	30354, 30133, 30143

Setup Codes for Audio Amplifiers/Tuners

ADC	30531
Aiwa	31405, 30158, 30189, 30121, 30405, 31388, 31641
Akai	31512
Alco	31390

AMC	31077
Amphion Media Works	31563, 31615
AMW	31563, 31615
Anam	31609, 31074
Apex Digital	31257, 31430
Arcam	31189, 31120
Audiotronic	31189
Audiovox	31390
Bose	31229, 30639, 31253, 31629, 31841, 31933
Brix	31602
Cambridge Soundworks	31370
Capetronic	30531
Carver	31189, 30189, 30042, 30121, 31289
Casio	30195
Clarinette	30195
Classic	31352
Coby	31389
Criterion	31420
Curtis Mathes	30080
Daewoo	31250
Dell	31383
Denon	31360, 30004, 30121
Fisher	30042, 31801
Garrard	30463
Gateway	31517
Go Video	31532
Harman/Kardon	30110, 30189, 30891, 31289, 31304, 31306
Hewlett Packard	31181
Hitachi	31801
Initial	31426
Integra	30135, 31298, 31320
JBL	30110, 31306
JVC	31058, 30074, 31374, 31495, 31871
Kenwood	31313, 31570, 31569, 30027, 31916, 31670, 31262, 31261, 31052, 31032, 30876, 30845, 30569, 30337, 30314, 30313, 30239, 30186, 30042

KLH	31390, 31412, 31428
Koss	31366, 31497
Lasonic	31798
Lenoxx	31437
LG	31293
Linn	30189
Liquid Video	31497
Lloyd's	30195
LXI	30181
Magnavox	31189, 31269, 30189, 30195, 30391, 30531, 31514
Marantz	31189, 31269, 30039, 30189, 31289
McIntosh	31289
MCS	30039
Micromega	31189
Mitsubishi	31393
Modulaire	30195
Myryad	31189
Nakamichi	31313, 30097, 30876
Norcent	31389
Nova	31389
Onkyo	30135, 30842, 31298, 31320, 31531
Optimus	31023, 30042, 30080, 30181, 30186, 30531, 30670, 30738, 30801, 31074
Oritron	31366, 31497
Panasonic	31308, 31518, 30039, 30309, 30367, 31288, 31316, 31548, 31633, 31763, 31764
Penney	30195
Philips	31189, 31269, 30189, 30391, 31120, 31266
Pioneer	31023, 30014, 30080, 30150, 30244, 30531, 30630, 30801, 31384
Polaroid	31508
Polk Audio	30189, 31289
Proscan	31254
Quasar	30039
RCA	31023, 31609, 31254, 30080, 30531, 31074, 31390, 31511

Realistic	30181, 30195
Regent	31437
Rio	31383, 31869
Saba	31519
Samsung	31295, 31304, 31500
Sansui	31189, 30189
Sanyo	30801, 31251, 31469, 31801
Sharp	30186, 31286
Sharper Image	31556
Sherwood	30491, 30502, 31077, 31517, 31653
Shinonic	31426
Sirius	31602
Sonic Blue	31383, 31532, 31869
Sony	31058, 31441, 31258, 31759, 30158, 30474, 31349, 31442, 31558, 31658, 31758, 31858
Soundesign	30670
Stereophonics	31023
Sunfire	31313, 30313, 30314, 31052
Teac	30463, 31074, 31390, 31528
Technics	31308, 31518, 30039, 30309, 31633
Thorens	31189
Toshiba	30080, 30135
Venturer	31390
Victor	30074
Wards	30158, 30189, 30014, 30080
Yamaha	30176, 30186, 31176, 31276, 31331, 31375
Yorx	30195
Zenith	30857, 31293

Setup Codes for DBS/PVR Combos

DirecTV	00001, 00002, 00003, 00004, 00005, 00099, 00392, 00639, 01076, 01142, 01392, 01442, 01640
Hughes Network Systems	01142, 01442
Motorola	00869
Philips	01142, 01442
Proscan	00392
RCA	01392

Samsung	01442
Sony	00639, 01640
Star Choice	00869

Setup Codes for DVD Players

Advent	21016
Aiwa	20641
Akai	20695, 20770, 20899, 21089
Alco	20790
Allegro	20869
Amphion Media Works	20872
AMW	20872
Apex Digital	20672, 20717, 20755, 20794, 20796, 20797, 20830, 21004, 21020, 21056, 21061, 21100
Aspire Digital	21168
Audiovox	20790, 21041, 21071, 21072
Axion	21071, 21072
Blaupunkt	20717
Blue Parade	20571
Bose	22023
Broksonic	20695, 20868
California Audio Labs	20490
Cinea	20831
CineVision	20876, 20833, 20869
Citizen	21277
Coby	20778, 21086, 21107, 21177, 21351
Craig	20831
Curtis Mathes	21087
CyberHome	20816, 20874, 21023, 21024, 21117, 21129
Daewoo	20784, 20705, 20833, 20869, 21169, 21172, 21234, 21242
Daytek	20872
Denon	20490, 20634
Disney	20675, 21270
Dual	21068, 21085
Durabrand	21127

DVD2000	20521
Emerson	20591, 20675, 20821, 21268
Enterprise	20591
Fisher	20670
Funai	20675, 21268, 21334
Gateway	21073, 21158
GE	20522, 20815, 20717
Go Video	20744, 20715, 20741, 20783, 20833, 20869, 21044, 21075, 21099, 21158, 21304, 21730
Go Vision	21071, 21072
GoldStar	20741
GPX	20699, 20769
Gradiente	20490
Greenhill	20717
Grundig	20539
Harman/Kardon	20582, 20702
Hitachi	20573, 20664, 21247
Hiteker	20672
iLo	21348
Initial	20717
Integra	20571, 20627
Jaton	21078
JBL	20702
Jensen	21016
JSI	21423
JVC	20558, 20623, 20867, 21164, 21863
jWin	21049, 21051
Kawasaki	20790
Kenwood	20490, 20534
KLH	20717, 20790, 21020, 21149
Koss	20651, 21423
Landel	20826
Lasonic	20798, 21173
Lecson	21533
Lenox	21127
LG	20591, 20741, 20869
LiteOn	21058, 21158, 21416, 21440
Magnavox	20503, 20539, 20646, 20675, 20821, 21268

Malata	20782, 21159
Marantz	20539
McIntosh	21533
Memorex	20695, 20831, 21270
Microsoft	20522, 21708
Mintek	20839, 20717
Mitsubishi	21521, 20521
Momitsu	21082
NAD	20591, 20741
Nesa	20717
Next Base	20826
NexxTech	21402
Norcent	21003, 20872, 21107, 21265
Onkyo	20503, 20627
Oritron	20651
Panasonic	20503, 20490, 20632, 20703, 21362, 21462, 21490, 21762
Philips	20503, 20539, 20646, 20675, 20854, 21260, 21267, 21354 20885
PianoDisc	21024
Pioneer	20525, 20571, 20631, 20632
Polaroid	21020, 21061, 21086
Polk Audio	20539
Portland	20770
Presidian	20675
Prima	21016
Proceed	20672
Proscan	20522
ProVision	20778
Qwestar	20651
RCA	20522, 20571, 20717, 20790, 20822, 21022, 21132
Rio	20869
RJTech	21360
Rotel	20623
Rowa	20823
Sampo	20698, 20752
Samsung	20490, 20573, 20744, 20820, 20899, 21044, 21075
Sansui	20695

Sanyo	20670, 20695, 20873
Sensory Science	21158
Sharp	20630, 20675, 20752, 21256
Sharper Image	21117
Sherwood	20770, 21043
Shinsonic	20533, 20839
Sonic Blue	20869, 21099
Sony	20533, 21533, 20864, 21033, 21431, 22020, 22043
Sungale	21074
Superscan	20821
SVA	20860, 21105
Sylvania	20675, 20821, 21268
Symphonic	20675, 21268
Teac	20790
Technics	20490, 20703
Technosonic	20730
Theta Digital	20571
Toshiba	20503, 20695, 21045, 21154
Tredex	20799, 20800, 20803, 20804
Urban Concepts	20503
US Logic	20839
Venturer	20790
Vizio	21064, 21226
Xbox	20522, 21708
Yamaha	20490, 20539, 20545
Yamakawa	20872
Zenith	20503, 20591, 20741, 20869
Zoece	21265

Setup Codes for PVRs

ABS	21972
Alienware	21972
CyberPower	21972
Dell	21972
DirecTV	20739
Gateway	21972
Hewlett Packard	21972
Howard Computers	21972
HP	21972
Hughes Network Systems	20739
Humax	20739
Hush	21972

iBUYPOWER	21972
Linksys	21972
Media Center PC	21972
Microsoft	21972
Mind	21972
Niveus Media	21972
Northgate	21972
Panasonic	20616
Philips	20618, 20739
RCA	20880
ReplayTV	20614, 20616
Sonic Blue	20614, 20616
Sony	20636, 21972
Stack 9	21972
Systemax	21972
Tagar Systems	21972
Tivo	20618, 20636, 20739
Toshiba	21008, 21972
Touch	21972
Viewsonic	21972
Voodoo	21972
ZT Group	21972

Setup Codes for Satellite Receivers

Crossdigital	01109
DirecTV	00001, 00002, 00003, 00004, 00005, 00006, 00007, 00008, 00099, 00247, 00392, 00566, 00639, 00724, 00749, 00819, 01076, 01108, 01109, 01142, 01392, 01414, 01442, 01609, 01639, 01640, 01708, 01749, 01750, 01856
GE	00392, 00566
General Instrument	00869
Hitachi	00819
Hughes	00749, 01442, 01749
Hughes Network Systems	00749, 01142, 01442, 01749, 01750
Jerrold	00869
LG	01414, 01750
Magnavox	00724

Memorex	00724
Mitsubishi	00749
Motorola	00856, 00869
Next Level	00869
Panasonic	00247, 00701
Paysat	00724
Philips	00099, 00724, 00749, 00819, 01076, 01142, 01442, 01749
Pioneer	01442
Proscan	00392, 00566
RadioShack	00869
RCA	00143, 00392, 00566, 00855, 01392
Samsung	01108, 01109, 01142, 01276, 00001, 01442, 01609, 01708
Sony	00639, 01639, 01640
Star Choice	00869
Tivo	01142, 01442
Toshiba	00749, 00790, 00819, 01285, 01749
UltimateTV	01392, 01640
Uniden	00724
Voom	00869
Zenith	01856

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- b. The problem with the DIRECTV Universal Remote Control was not caused by abuse, mishandling, alteration, accident, failure to follow operating, maintenance or environmental instructions set forth in this User Guide, or service performed by someone other than DIRECTV.

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For help via the Internet, visit us at: DIRECTV.com

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M2481C for use with the URC2481 DIRECTV Universal Remote Control.

04/06

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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 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, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase or decrease the separation between the equipment and receiver.
- Consult the dealer or an experienced remote control/ TV technician for help.

This equipment has been verified to comply with the limits for a Class B computing device, pursuant to FCC Rules. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

FCC Authorization Label

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1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

DIRECTV, Inc. 2230 E. Imperial Hwy. El Segundo, CA 90245 1-800-531-5000

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