



DIRECTV Universal Remote Control User's Guide

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INTRODUCTION

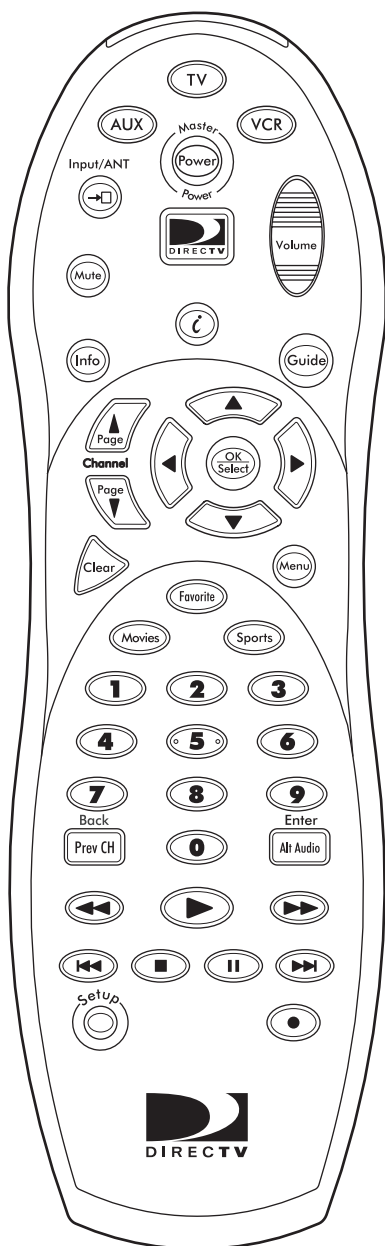
Congratulations! You now have an exclusive DIRECTV universal remote control that will control four devices, including a DIRECTV Receiver, TV, VCR, and an auxiliary device. Moreover, its sophisticated technology allows you to consolidate the clutter of your original remote controls into one easy-to-use unit that's packed with features such as:

- Preprogrammed interactive technology that links hot keys to your DIRECTV® Service
- Master Power key for master on/off control of all of your equipment with a single keystroke
- Macro keys for sorting movie and sports programs in the DIRECTV® Programming (on most DIRECTV Receivers)
- ID Lock to lock your remote control for use only with a selected DIRECTV Receiver
- Automatic back lighting of most commonly-used keys that become active with any key press
- Code library for popular video and audio devices
- Code Search to help program control of older or discontinued devices

Before using your DIRECTV universal remote control, you may need to program it to operate with your particular home entertainment devices. Please follow the instructions detailed in this User's Guide to setup your DIRECTV universal remote control so you may start enjoying its features.

FEATURES AND FUNCTIONS

Use the illustration below to locate feature keys on the DIRECTV universal remote control. The *Keys Charts* on the next three pages explain their functions.



Key Charts



Press **TV**, **AUX**, **VCR**, or **DIRECTV** once to select a home entertainment device to control. Each key has a red indicator light that blinks upon selection and indicates the device currently being controlled by your DIRECTV universal remote control.



Press **Power** once to turn on or off a home entertainment device.

Press and hold **Master Power** for 3 seconds to turn on or off all home entertainment devices (see *Using The Master Power Key* on page 25).

Input/ANT



Use **Input/ANT** to view off-air local channel programs in the DIRECTV mode. For VCR or DVD use, select **Input/ANT** to view TV or media.



Use **Volume** to raise (or lower) the sound volume.



Press **Mute** once to turn the sound off or on.



Use **Info** to display the current channel and program information.



Use **i** (DIRECTV INTERACTIVE™) to access interactive features (if available on your DIRECTV Receiver).



Use **Guide** to display the DIRECTV® program guide.



While watching TV, use **Channel** ▲ (or ▼) to select the next higher (or lower) channel.

While in the DIRECTV program guide, use **Page** ▲ (or ▼) to page up (or down) through available channels in the program guide.



Use the cursor keys to move the cursor in the program guide and menu screens.

continued on next page..

FEATURES AND FUNCTIONS

Key Charts (continued)



Use **OK/Select** to choose highlighted items in the menu screens and in the program guide.



Use **Clear** to exit menu screens and the program guide.



Press **Menu** once to display the main menu.



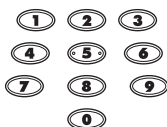
Use **Favorite** to access favorite channels that have been programmed.



Use **Movies** to sort the guide to show programs that are movies (on most DIRECTV Receivers).



Use **Sports** to sort the guide for available sports-related programs (on most DIRECTV Receivers).



Use the keypad (**0 ~ 9**) to directly tune a channel (e.g., **206**).



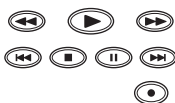
Press **Prev CH** once to return to the last channel viewed.

Press **Back** once to page back one page in the menu.



Press **Alt Audio** once to switch between English and a foreign language (e.g., Spanish) if alternate audio is available.

Press **Enter** once to tune to a channel on some TVs.



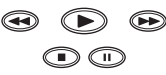
Use the transport keys to control your VCR, PVR, or CD/DVD player. To record a program, press the record key (●) twice.



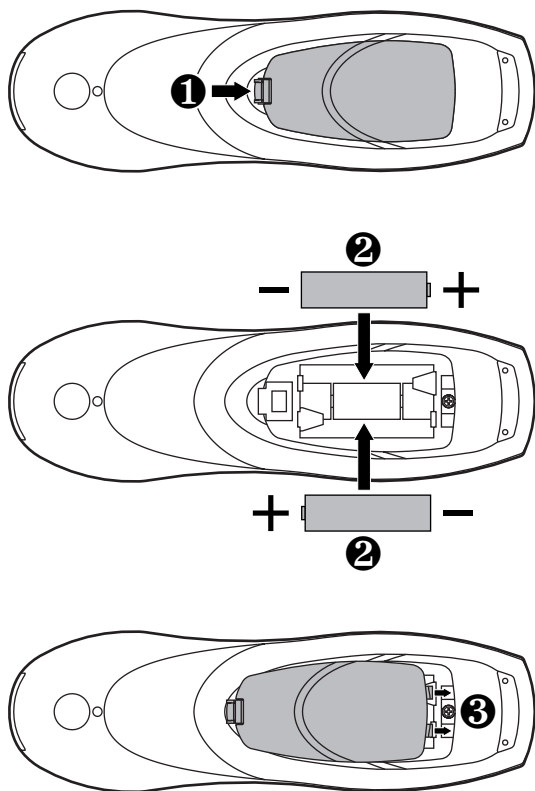
Use **Setup** for all programming sequences.

TiVo Key Charts

NOTE: On DIRECTV Receivers with TiVo service, several remote control keys function differently than those listed in the previous section. They are described below:

	Press ε to display program options (TiVo Central).
	Use Favorite to switch from watching a recorded show to live TV (Return To Live).
	Use Info to display the current channel and program information. Press Info while in the program guide to display additional guide options.
	Press Movies for “Thumbs Down.” (Available only on DIRECTV Receivers with TiVo).
	Press Sports for “Thumbs Up.” (Available only on DIRECTV Receivers with TiVo).
	Use these transport keys to control the personal video recorder (PVR) built into your DIRECTV Receiver with TiVo.
	Press this transport key to replay a program recorded by your personal video recorder.
	Press this transport key to advance a program recorded by your personal video recorder.

INSTALLING BATTERIES



1. On the back of the remote control, push the latch (as shown) and lift off the battery cover.
2. Obtain two (2) fully-charged AA alkaline batteries. Match the + and – marks on the batteries to the + and – marks in the battery case, then insert the new batteries.
3. Align the cover's tabs with the case's holes. Press down on the cover until the latch locks.
4.  Test the remote control by pressing **Power** and any device key (e.g. **TV**, **VCR**, **AUX**, or **DIRECTV**). If the batteries are inserted correctly, the selected device key will blink once.

NOTE: The DIRECTV universal remote control will stop operating when the batteries are fully drained. Replacing the batteries will restore your DIRECTV universal remote control to its full functionality, complete with your favorite settings.

ABOUT DIRECTV CONTROL

The DIRECTV universal remote control is designed to give you access to features not found on the original remote control. It is preprogrammed at the factory to operate a HNS-manufactured DIRECTV Receiver, so you can skip this section if you have this brand. However, to use it with other brands of DIRECTV Receivers, you will need to program the remote control by performing the following steps:

Programming DIRECTV Control

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 # _____

NOTE: Please read steps 2-5 completely before proceeding. Highlight or write down the codes and device you wish to program before moving on to step 2.

2. Power on the DIRECTV Receiver.
3.  On the DIRECTV universal remote control, press **DIRECTV** once. Press and hold **Setup** until the **DIRECTV** key blinks twice, then release **Setup**.

4. Use the *Setup Codes for DIRECTV Receivers* (on the next page) to locate the brand name and code for your specific DIRECTV Receiver. Then use the keypad to enter the four-digit code. If performed correctly, the **DIRECTV** key will blink twice.

*NOTE: If the **DIRECTV** key emits a long blink, the code is invalid. Repeat steps 3 and 4 and try entering the same code again.*

5.  Aim the DIRECTV universal remote control at the DIRECTV Receiver and press **Power** once. The DIRECTV Receiver should turn off. If it does not, repeat steps 3 and 4, trying each code for your brand until you find one that works. If it still does not work, try *Searching For Your Code* on page 23.
6. For future reference, write down the working DIRECTV code in the following box:

DIRECTV CODE

ABOUT DIRECTV CONTROL (continued)

Setup Codes for DIRECTV Receivers:

Hughes Network Systems (most models)	0749
Hughes Network Systems models GAEB0 and GCEB0	1749
GE models GRD33G2A and GRD33G3A	0566
GE model GRD122GW	0866
Hitachi model HDS210R	0819
Mitsubishi HD models SRHD400 and SRHD500	0749
Panasonic models TZ-DBS01 and TZ-DRD100	0247
Panasonic models TUIRD10 and TUIRD20	0701
Philips models DSX5150R, DSX5250R/I, DSX5350R, DSX5353R, and DSX5375R	1076
Philips HD model DSHD800R	0749
Proscan model PRD8630A	0566
Proscan model PRD8560B	0766
RCA models DRD102RW and DRD203RW	0866
RCA models DRD301RA, DRD302RA, DRD303RA, DRD403RA, and DRD703RA	0566
RCA models DRD502RB, DRD503RB, DRD505RB, DRD515RB, DRD523RB, and DRD705RB	0766
RCA models DRD202RD, DRD221RD, DRD222RD, DRD223RD, DRD225RD, DRD420RE, DRD440RE, DRD460RE, DRD480RE, DRD430RG, DRD450RG, and DRD485RG	0392
Samsung model SIR-S60W	1109
Sony models SAT-A1 and SAT-B1	0639
Sony models SAT-A2 and SAT-B2	0739
Sony models SAT-A3, SAT B3, SAT-A4, and SAT-B4	0839
Sony models SAT-A50, SAT-A55 SAT-B50, and SAT-B55	0939
Uniden model UDS100	0724

Setup Codes for DIRECTV Personal Video Recorders (PVRs):

Hughes Net. Sys./TiVo model GXCEBOT	1142 (program under DIRECTV mode)
Philips/TiVo model DSR6000R	1142 (program under DIRECTV mode)
Sony/TiVo model SAT-T60	1639 (program under DIRECTV mode)

PROGRAMMING OTHER DEVICE CONTROL

The DIRECTV universal remote control is also preprogrammed to operate an RCA TV, an RCA VCR, and a Pioneer audio Receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section:

*NOTE: To control a DVD/PVR player, program the **VCR** key. For TV/VCR Combo control, skip this section and perform the instructions on the next page.*

1. Turn on a device and, if applicable, insert a video cassette or DVD.

NOTE: Please read steps 2-4 completely before proceeding. Highlight or write down the codes and device you wish to program before moving on to step 2.

2. On the DIRECTV universal remote control, press the device key you wish to program once (e.g., **TV**, **VCR**, or **AUX**). Press and hold **Setup** until the selected device key blinks twice and then release **Setup**.



3. Use the *Manufacturer's Codes* (starting on page 14) to locate the four digit number corresponding to the brand name of the device you want to control. Enter the first four-digit code for your device. If performed correctly, the light under the select device key will blink twice.

NOTE: If the selected device key emits a long blink, the code is invalid. Repeat steps 2 through 3 and try entering the same code again.

4. Aim the DIRECTV universal remote control at the device and press **Power** once. The device should turn off. If it does not, repeat steps 2-3, trying each code for your brand until you find one that works. If it still does not work, try *Searching For Your Code* on page 23.



*NOTE: If the device does not have a **Power** key, press the ► (**Play**) key.*

5. Repeat steps 1 through 4 for each device you want the the DIRECTV universal remote control to control. For future reference, write down each working device code in the boxes on the next page:

continued on next page...

PROGRAMMING OTHER DEVICE CONTROL (continued)

TV

--	--	--	--

VCR

--	--	--	--

AUX

--	--	--	--

PROGRAMMING TV/VCR COMBO CONTROL

If you own a TV/VCR Combo, perform the following instructions to control this device:

1. Turn on your TV/VCR Combo and insert a video cassette.
2.  On the DIRECTV universal remote control, press **VCR** once. Press and hold **Setup** until the **VCR** key blinks twice, then release **Setup**.

3. Use the *Setup Codes For TV/VCR Combos* (on page 19) to locate the brand name and then enter the first four-digit code for your TV/VCR Combo. If you perform this procedure correctly, the **VCR** key will blink twice.

*NOTE: If the **VCR** key did not blink twice after entering the code's last digit, then repeat steps 2 through 3 and try entering the same code again.*
4.  Aim the DIRECTV universal remote control at your TV/VCR Combo and press **Power** once. The unit should turn off. If it does not respond, repeat steps 2-3, trying each code listed for your brand until you find one that works. If it still does not work, try *Searching For Your Code* on page 23.
5. If you've located a TV/VCR setup code that works your TV/VCR Combo and a separate TV code is also listed, you'll need to program this code into the DIRECTV universal remote control to access volume control (see *Programming Other Device Control* on the previous page).

If there is no separate TV code listed, you will need to perform the following steps to access volume control:



a. Press and hold **Setup** until the **VCR** key blinks twice, then release **Setup**.



b. Enter **9 - 9 - 3**. The **VCR** key will blink twice.



c. Press **VCR** once. The **VCR** key will blink twice.

6. For future reference, write down each working device code in the below boxes:

TV/VCR

--	--	--	--

TV (if used)

--	--	--	--

MANUFACTURER'S CODES

Setup Codes for TVs:

AOC	0019, 0030
Admiral	0093, 0463
Aiko	0092
Akai	0030
Aaron	0179
America Action	0180
Anam	0180
Audiovox	0092, 0180, 0451, 0623
Baysonic	0180
Belcor	0019
Bell & Howell	0016, 0154
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0092, 0451
Citizen	0030, 0056, 0060, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180
Curtis Mathes	0016, 0030, 0047, 0051, 0054, 0056, 0060, 0093, 0145, 0154, 0166, 0451, 0747, 1147, 1347
Daewoo	0019, 0092, 0451, 0623, 0624
Daytron	0019
Denon	0145
Dumont	0017, 0019
Electroband	0000
Emerson	0019, 0154, 0178, 0179, 0180, 0236, 0463, 0623, 0624
Envision	0030
Fisher	0154
Fujitsu	0179, 0683
Funai	0171, 0179, 0180
Futuretech	0180
GE	0021, 0047, 0051, 0093, 0178, 0451, 0747, 1147, 1347
Gibraltar	0017, 0019, 0030
GoldStar	0019, 0030, 0056, 0178
Gradiente	0053, 0056
Grunpy	0179, 0180
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180

Hitachi	0016, 0056, 0145
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0030, 0180
Kenwood	0019, 0030
LG	0056
LXI	0047, 0054, 0154, 0156, 0178, 0747
Logik	0016
Luxman	0056
MGA	0019, 0030, 0150, 0178
MTC	0019, 0030, 0056, 0060
Magnavox	0030, 0054, 0179, 1254
Majestic	0016
Marantz	0030, 0054
Matsushita	0250
Megatron	0145, 0178
Memorex	0016, 0056, 0150, 0154, 0178, 0179, 0250, 0463
Midland	0017, 0047, 0051, 0747
Minutz	0021
Mitsubishi	0019, 0093, 0150, 0178
Motorola	0093
Multitech	0180
NAD	0156, 0166, 0178
NEC	0019, 0030, 0056
NTC	0092
Nikko	0030, 0092, 0178
Onwa	0180
Optimus	0154, 0166, 0250
Optonica	0093, 0165
Orion	0179, 0236, 0463
Panasonic	0051, 0250
Penney	0019, 0021, 0030, 0047, 0051, 0056, 0060, 0156, 0178, 0747, 1347
Philco	0019, 0030, 0054, 0145, 0463
Philips	0054
Pilot	0019, 0030
Pioneer	0166, 0679
Portland	0019, 0092
Prism	0051
Proscan	0047, 0747
Proton	0178
Pulsar	0017, 0019
Quasar	0051, 0165, 0250
RCA	0019, 0047, 0051, 0090, 0093, 0679, 0747, 1047, 1147, 1247, 1347, 1447
Radio Shack	0019, 0030, 0047, 0056, 0154, 0165, 0178, 0180, 0747
Realistic	0019, 0030, 0056, 0154, 0165, 0178, 0180

continued on next page...

MANUFACTURER'S CODES

Setup Codes for TVs (continued):

Runco	0017, 0030
SSS	0019, 0180
Sampo	0030
Samsung	0019, 0030, 0056, 0060, 0178
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitsu	0019
Scotch	0178
Scott	0019, 0178, 0179, 0180, 0236
Sears	0047, 0054, 0056, 0154, 0156, 0171, 0178, 0179, 0747
Semivox	0180
Semp	0156
Sharp	0093, 0165, 0688
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0178, 0179, 0180
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0030, 0054
Symphonic	0171
TMK	0056, 0178
TNCi	0017
Tandy	0093
Technics	0051, 0250
Technol Ace	0179
Techwood	0051, 0056
Teknika	0016, 0019, 0054, 0056, 0060, 0092, 0150, 0179, 0180
Telefunken	0056
Toshiba	0060, 0154, 0156, 1256
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0019, 0178
Wards	0016, 0019, 0021, 0030, 0054, 0056, 0165, 0178, 0179
White Westinghouse	0463, 0623, 0624
Yamaha	0019, 0030
Zenith	0016, 0017, 0092, 0463, 0624

Setup Codes for VCRs:

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0000, 0037
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumark	0240
Bell & Howell	0104
Broksonic	0121, 0184, 0209, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0072, 0240, 0271
Curtis Mathes	0035, 0060, 0162, 0760
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electrophonic	0037
Emerex	0032
Emerson	0000, 0037, 0043, 0121, 0184, 0209, 0278, 0479
Fisher	0047, 0104
Fuji	0035
Funai	0000
GE	0035, 0048, 0060, 0240, 0760
Garrard	0000
Go Video	0432, 0526
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0038, 0081
Harwood	0072
Hitachi	0000, 0042
Hughes Network Sys.	0042
JVC	0067
KEC	0037, 0278
KLH	0072
Kenwood	0038, 0067
Kodak	0035, 0037

continued on next page...

MANUFACTURER'S CODES

Setup Codes for VCRs (continued):

LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0043, 0240
MGN Technology	0240
MTC	0000, 0240
Magnasonic	0278
Magnavox	0000, 0035, 0039, 0081
Magnin	0240
Marantz	0035, 0081
Marta	0037
Matsushita	0035, 0162
Memorex	0000, 0035, 0037, 0039, 0047, 0048, 0104, 0162, 0209, 0240, 0479, 1037, 1162, 1262
Minolta	0042
Mitsubishi	0043, 0048, 0067
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0038, 0067, 0104
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0432, 1048, 1062, 1162, 1262
Orion	0184, 0209, 0479
Panasonic	0035, 0162, 0225, 1062, 1162, 1262
Penney	0035, 0037, 0038, 0042, 0240
Pentax	0042
Philco	0035, 0209, 0479
Philips	0035, 0081, 1081, 1181
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060, 0760
Protec	0072
Pulsar	0039
Quasar	0035, 0162, 1162
RCA	0035, 0042, 0048, 0060, 0240, 0760
Radio Shack	0000, 1037
Radix	0037
Randex	0037
Realistic	0000, 0035, 0037, 0047, 0048, 0104
Runco	0039
STS	0042
Samsung	0045, 0240
Sanky	0039, 0048
Sansui	0000, 0067, 0209, 0271, 0479

Sanyo	0047, 0104, 0240
Scott	0043, 0045, 0121, 0184
Sears	0000, 0035, 0037, 0042, 0047, 0104
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Singer	0072
Sony	0000, 0032, 0035, 1032
Sylvania	0000, 0035, 0043, 0081
Symphonic	0000
TMK	0240
Teac	0000
Technics	0035, 0162
Teknika	0000, 0035, 0037
Thomas	0000
Toshiba	0043, 0045
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0000, 0035, 0042, 0047, 0048, 0060, 0072, 0081, 0240, 0760
White Westinghouse	0072, 0209, 0278
XR-1000	0000, 0035, 0072
Yamaha	0038
Zenith	0000, 0039, 0209, 0479

Setup Codes for TV/VCR Combos:

American High	0035 (for TV use 0051)
Brocksonic	0002, 0294,
Colt	0072
Curtis Mathis	0035 (for TV use 0051)
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035 (for TV use 0051), 0060 (for TV use 0047), 0048 (for TV use 0093), 0240
Hitachi	0035 (for TV use 0051), 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081 (for TV use 0054), 0035 (for TV use 0051), 0000
Magnin	0240
Memorex	0037, 0162 (for TV use 0250)
Mitsubishi	0048 (for TV use 0093)
Orion	0002, 0294, 0479
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250)
Penney	0035 (for TV use 0051), 0240, 0162 (for TV use 0250)

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MANUFACTURER'S CODES

Setup Codes for TV/VCR Combos (continued):

Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)
RCA	0060 (for TV use 0047), 0035 (for TV use 0051), 0048 (for TV use 0093)
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037
Sharp	0048 (for TV use 0093)
Sony	0032 (for TV use 0000)
Symphonic	0000
Zenith	0000

Setup Codes for Personal Video Recorders (PVRs):

Panasonic Replay	0614, 0616 (program under VCR mode)
Replay	0614, 0616 (program under VCR mode)
TiVo	0618 (program under VCR mode)

Setup Codes for DVD Players:

Apex	0672
Denon	0490, 0634
Fisher	0670
GE	0522
Harman/Kardon	0582
Hitachi	0664
Hiteker	0672
JVC	0558, 0623
Kenwood	0534, 0682
Magnavox	0503, 0675
Marantz	0539
Mitsubishi	0521
Onkyo	0503, 0627
Optimus	0571
Panasonic	0490, 0632
Philips	0503, 0539
Pioneer	0525, 0571, 0632
Proscan	0522
RCA	0522, 0571
Samsung	0573
Sharp	0630
Sony	0533
Technics	0490
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0503, 0591

Setup Codes for Stereo Receivers:

ADC	0531
ADC	0531
Aiwa	0121, 0158, 0189, 0405, 1089, 1405
Capetronic	0531
Carver	0189, 1089, 1189
Curtis Mathes	0080
Denon	0004, 1104, 1160
Garrard	0463
Harman/Kardon	0110, 0189
JBL	0110
JVC	0074
Kenwood	0027, 0186, 1027, 1313, 1569
Linn	0189
MCS	0039
Magnavox	0189, 0391, 0531, 1089, 1189
Marantz	0039, 0189, 1089, 1189
Onkyo	0135
Optimus	0080, 0186, 0531, 0670, 1023
Panasonic	0039, 0309, 1518
Philips	0189, 0391, 1089, 1189
Pioneer	0014, 0080, 0150, 0531, 0630, 1023
Polk Audio	0189
Proscan	1254
Quasar	0039
RCA	0080, 0531, 1023, 1254
Sansui	0189, 1089
Sharp	0186
Sony	0158, 1058, 1158, 1258
Soundesign	0670
Sunfire	1313
Teac	0463
Technics	0039, 0309, 1308, 1309, 1518
Thorens	1189
Victor	0074
Wards	0014, 0080, 0158, 0189
Yamaha	0176, 0186, 1176

continued on next page...

MANUFACTURER'S CODES (continued)

Setup Codes for Stereo Amplifiers:

Aiwa	0406
Carver	0269
Curtis Mathes	0300
Denon	0160
Harman/Kardon	0892
JVC	0331
Linn	0269
Magnavox	0269
Marantz	0269, 0892
Optimus	0300
Panasonic	0308
Philips	0269, 0892
Pioneer	0013, 0300
Polk Audio	0269, 0892
RCA	0300
Sony	0220, 0689
Technics	0308
Victor	0331
Wards	0013
Yamaha	0354

SEARCHING FOR YOUR CODE

If your TV, VCR, DIRECTV Receiver, or auxiliary device does not respond to the DIRECTV universal remote control after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

For example, to search for a code for your TV:

1. Turn on your TV.
2.  On the DIRECTV universal remote control, press **TV** once. Then press and hold **Setup** until the **TV** key blinks twice, then release **Setup**.

3. 

 Enter **9 - 9 - 1**. The **TV** key will blink twice.
4.  Aim the remote control at the TV and slowly alternate between pressing **Power** and **TV**. Stop when the TV turns off.

NOTE: In the search mode, the DIRECTV universal remote control will send IR codes from its library to the selected device, starting with the most popular code first.
5.  Press **Setup** once to lock in the code.
6. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (i.e., **VCR**, **AUX**, or **DIRECTV**) for the device you are searching for.

CHECKING THE CODES

If you have set up the DIRECTV universal remote control using the *Searching For Your Code* procedure (on the previous page), you may need to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

1. Turn on your TV.
2.  On the DIRECTV universal remote control, press **TV** once. Then press and hold **Setup** until the **TV** key blinks twice, then release **Setup**.

3. 

 Enter **9 - 9 - 0**.
4.  To view the code for the first digit, press **1** once. Wait 3 seconds and count the number of LED blinks (e.g., 3 blinks = 3) and write down the number in the leftmost TV Code box below.
NOTE: If a code digit is "0", the LED will not blink.
5. 

 Repeat step 4 three more times for remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit. Finish writing down the code in the TV Code boxes below.
6. To check for other device codes, repeat steps 1 to 5, but substitute the appropriate key (i.e., **VCR**, **AUX**, or **DIRECTV**) for the device you are checking. Write down the codes in the appropriate boxes on pages 10 and 12.

USING THE MASTER POWER KEY

The DIRECTV universal remote control is equipped with a unique feature that allows you to sequentially turn on or off all of your home entertainment devices with a single key press in the following way:

1. Point the remote control at the devices.
2.  Press and hold **Power** for 3 seconds to activate the Master Power feature. Thereafter, your DIRECTV universal remote control will sequentially turn on or off all of your home entertainment devices.

Depending on what mode is currently selected, the DIRECTV universal remote control will send IR commands to the devices in this order:

Start Mode	Device On/Off	End Mode
DIRECTV	TV, VCR, AUX	DIRECTV
TV	VCR, AUX, DIRECTV	DIRECTV
VCR	AUX, DIRECTV, TV	DIRECTV
AUX	DIRECTV, TV, VCR	DIRECTV

For example, if **TV** is selected, pressing and holding **Power** for 3 seconds will first turn on (or off) the TV, then the VCR, then the auxiliary device, and finally the DIRECTV Receiver.

*NOTE: The DIRECTV universal remote control always defaults to the **DIRECTV** mode after all devices are turned off. Therefore, the initial power-on settings will always be **DIRECTV**, **TV**, **VCR**, and **AUX**, with the remote control returning to the **DIRECTV** mode as long as no other device key is pressed first.*

RE-ASSIGNING DEVICE KEYS

The DIRECTV universal remote control can be set up to control a second TV or VCR, or any combination of up to four home entertainment devices. For example, to have the DIRECTV universal remote control a TV, a DIRECTV Receiver, and *two* VCRs, you will need to re-assign the unused **AUX** key to operate the second VCR as follows:

-  On the DIRECTV universal remote control, press **AUX** once. Then press and hold **Setup** until the **AUX** key blinks twice, then release **Setup**.

- 

 Enter **9 - 9 - 2**.
- 
 Press **VCR** once, then press **AUX** once. The **AUX** key will blink twice.
- The **AUX** key is now ready to be programmed for your second VCR. See *Programming Other Device Control* on page 11.

To re-assign other device keys, repeat steps 1 to 4 and substitute the key sequence using the following chart:

To Re-Assign	Perform Key Sequence
VCR as 2nd TV key:	Setup - 9 - 9 - 2 - TV - VCR
VCR as 2nd AUX key:	Setup - 9 - 9 - 2 - AUX - VCR
VCR as 2nd DIRECTV key:	Setup - 9 - 9 - 2 - DIRECTV - VCR
VCR back to VCR :	Setup - 9 - 9 - 2 - VCR - VCR
AUX as 2nd TV key:	Setup - 9 - 9 - 2 - TV - AUX
AUX as 2nd VCR key:	Setup - 9 - 9 - 2 - VCR - AUX
AUX as 2nd DIRECTV key:	Setup - 9 - 9 - 2 - DIRECTV - AUX
AUX back to AUX :	Setup - 9 - 9 - 2 - AUX - AUX

Upon completion of a re-assignment, the selected mode key will blink twice to confirm your selection. Then, you'll need to program device control (see *Programming Other Device Control* on page 11).

CHANGING VOLUME LOCK

The DIRECTV universal remote control is set to control volume of a device through your TV while in the TV, VCR, or DIRECTV mode. However, in the AUX mode, you still have separate control of your auxiliary device's volume. If your TV is not remote controllable, or if you would like the volume to be controlled by a different device, you can change the Volume Lock setting to control a volume through a non-associated mode (e.g., through the VCR in the TV mode).

To Change Volume Lock To The VCR Mode:

1.  On the DIRECTV universal remote control, press **VCR** once. Then press and hold **Setup** until the **VCR** key blinks twice, then release **Setup**.

2. 

 Enter **9 - 9 - 3**.
3.  Press **VCR** once. It will blink twice.
4. Now, whenever you press **Volume** or **Mute**, volume will be controlled by your VCR.

To Change Volume Lock To The DIRECTV Mode:

1. 
 On the DIRECTV universal remote control, press **DIRECTV** once. Then press and hold **Setup** until the **DIRECTV** key blinks twice, then release **Setup**.
2. 

 Enter **9 - 9 - 3**.
3.  Press **DIRECTV** once. It will blink twice.
4. Now, whenever you press **Volume** or **Mute**, volume will be controlled by your DIRECTV Receiver.

To Change Volume Lock To The AUX Mode:

NOTE: Performing these steps will allow you to access the volume control of your auxiliary device in all modes.

1. 
 On the DIRECTV universal remote control, press **AUX** once. Then press and hold **Setup** until the **AUX** key blinks twice, then release **Setup**.

continued on next page...

CHANGING VOLUME LOCK

To Change Volume Lock To The AUX Mode (continued):

2.  Enter **9 - 9 - 3**.


3.  Press **AUX** once. It will blink twice.
4. Now, whenever you press **Volume** or **Mute**, volume will be controlled by your auxiliary device.

To Change Volume Lock Back To The TV Mode:

1.  On the DIRECTV universal remote control, press **TV** once. Then press and hold **Setup** until the **TV** key blinks twice, then release **Setup**.

2.  Enter **9 - 9 - 3**.


3.  Press **TV** once. It will blink twice.
4. Now, whenever you press **Volume** or **Mute**, volume will again be controlled by your TV.

TROUBLESHOOTING

PROBLEM: Mode key does not blink when you press a key.

SOLUTION: Replace the batteries with two (2) new AA alkaline batteries (see page 8).

PROBLEM: Mode key blinks when you press a key, but home entertainment device does not respond.

SOLUTION: Make sure you are aiming the DIRECTV universal remote control at your home entertainment device and that you are within 15 feet of the device you are trying to control.

PROBLEM: The DIRECTV universal remote control does not control home entertainment devices or commands are not performing properly.

SOLUTION: Try all listed codes for the device brand being set up. Make sure all home entertainment devices 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: No volume on a second TV.

SOLUTION: Follow instructions in *Changing Volume Lock* (see page 27).

PROBLEM: **Channel ▲**, **Channel ▼**, and **Previous CH** do not work for your RCA TV.

SOLUTION: Due to RCA design (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 remote control after entering a channel number.

PROBLEM: Tried "Search Method" and still could not find a working code.

SOLUTION: Try the "Search Method" again after clearing out the device key as follows: Press and hold **Setup** until mode key blinks twice, then release. Next enter **9 - 9 - 2**. Then press and release the device key to be cleared two times.

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

SOLUTION: For power on, these products require programming 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.

REPAIR OR REPLACEMENT POLICY

If the DIRECTV universal remote control does not function properly, DIRECTV will, in our sole discretion, repair or replace the DIRECTV universal remote control, provided that:

- a. You are a customer of DIRECTV and your account is in good standing; and
- 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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ADDITIONAL INFORMATION

This product does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your DIRECTV universal remote control.

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

Or ask for technical support at:
1-800-DIRECTV (347-3288)

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MDTV2 for use with the DTVURC1, DIRECTV universal remote control.

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