



**DIRECTV®
Universal Remote Control
User Guide**

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INTRODUCTION

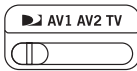




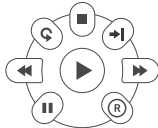




Congratulations! You now have an exclusive DIRECTV® Universal Remote Control that will control four components, including a DIRECTV Receiver, TV, and two stereo or video components (for example, a DVD, stereo, or second TV). Moreover, its sophisticated technology allows you to consolidate the clutter 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 deactivate the TV INPUT key. (See instructions on page 9.)
	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 on/off the piece of equipment the mode switch is set to.
	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 8.)
	Use these keys to control your DIRECTV DVR or your VCR, DVD, or CD/DVD player.  On a DIRECTV DVR, enables one-touch record for any selected program.  Replay jumps back 6 seconds and plays video from that location. You can also hold the button down to jump back to the beginning.  Advance jumps ahead in a recording. You can also hold the button down to jump forward to the end.
	Use GUIDE to display the DIRECTV Program Guide. Press twice to see programs by category.


Press this key... To...


 **ACTIVE** displays the DIRECTV Active Channel which includes local weather, horoscopes and more!


 **LIST** For non-DVR boxes, pressing **LIST** takes you to the To Do List. For DVR boxes, **LIST** takes you to the PLAYLIST (recordings). (Not available on all DIRECTV® Receivers.)


 **EXIT** Press **EXIT** to exit menu screens and the Program Guide and return to live TV.


 **SELECT** 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.

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

 **MENU** Press **MENU** to display the Quick Menu in DIRECTV mode, or other menu for another selected device.

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

 Displays various options while viewing live TV, the Guide or the Playlist.
 Press **YELLOW*** to display TV Options
 Press **BLUE*** in full-screen TV to display the Mini-Guide.
 Press **RED*** in the Guide to jump 12 hours back.
 Press **GREEN*** in the Guide to jump 12 hours forward.
 *Other functions vary—look for onscreen hints or refer to your DIRECTV® Receiver's user guide. (Not available on all DIRECTV Receivers.)

 **VOL** 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.

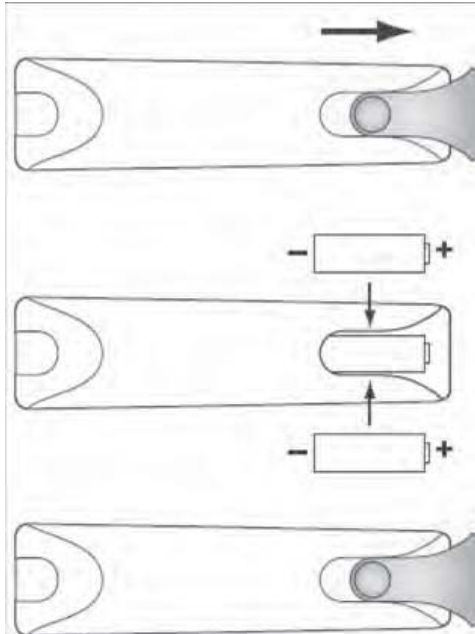


Press the number keys to directly enter a channel number (e.g. **207**) while watching TV or in the Guide.

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

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

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 comes programmed to work with most DIRECTV Receivers. Should the remote control not work with your DIRECTV Receiver, you will need to set up 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 page 14.)
3. Power on the DIRECTV Receiver.
4. Slide the **MODE** switch to the DIRECTV position.
5. Press and hold the **MUTE** and **SELECT** keys at the same time 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 4- 7, 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 set up before moving on to step 2.
2. Locate the 5-digit code for your TV. (See “Setup Codes for TVs” on page 15.)
 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** position flashes 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 4 to 6, 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:

--	--	--	--	--

DEACTIVATING TV INPUT INPUT SELECT KEY

If you want to deactivate the **TV INPUT** key, follow the steps below. Pressing the **TV INPUT Key** will now do nothing.

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 four times.)

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 "Setup Codes, Other Devices" starting on page 15.)
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 4 to 6, trying each code for your brand until you find the correct code.

7. Repeat steps 1 through 6 to set up a new component under **AV2** (or **AV1**).
8. For future reference write down the working code for the component(s) set up 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 **9-9-1** followed by one of the following four-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 or performs the action you selected in step 5.

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 or performs the action you selected in step 5, 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 **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 the number 1 key. Wait three seconds, and count the number of times the green light flashes. Write this number down in the leftmost TV, AV1 or AV2 code box found on page 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 at the same time until the green light under the **DIRECTV** position flashes twice, then release both keys.
2. Using the number keys, enter **9-9-3**. (The green light flashes twice.)
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.

Locking 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 at the same time until the green light under the selected position flashes twice, then 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® Receivers don't have volume control, so the remote will not allow the user to lock volume to the DIRECTV mode.

RESTORING 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 **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 7).

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 8).

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 10000 and VCR code 20032. For Sharp, use TV code 10093 and VCR code 20048. (See "Controlling Other Components" on page 9.)

DIRECTV SETUP CODES

Setup Codes for DIRECTV® Receivers

DIRECTV all models	00001, 00002
Hughes Network Systems (most models)	00749
Hughes Network Systems models GAEB0, GAEB0A, GCB0, GCEB0A, HBH-SA, HAH-SA	01749
GE models GRD33G2A and GRD33G3A, GRD122GW	00566
Philips models DSX5500 and DSX5400	00099
Proscan models PRD8630A and PRD8650B	00566
RCA models DRD102RW, DRD203RW, DRD301RA, DRD302RA, DRD303RA, DRD403RA, DRD703RA, DRD502RB, DRD 503RB, DRD505RB, DRD515RB, DRD523RB, and DRD705RB	00566
DRD440RE, DRD460RE, DRD480RE, DRD430RG, DRD431RG, DRD450RG, DRD451RG, DRD485RG, DRD486RG, DRD430RGA, DRD450RGA, DRD485RGA, DRD435RH, DRD455RH, and DRD486RH	00392
Samsung model SIR-S60W	01109
Samsung models SIR-S70, SIR-S75, SIR-S300W, and SIR-S310W	01108
Sony models (All models except TiVo and Ultimate TV)	01639

Setup Codes for DIRECTV® HD Receivers

DIRECTV all models	00001, 00002
Hitachi model 61HDX98B	00819
HNS models HIRD-E8, HTL-HD	01750
LG model LSS-3200A, HTL-HD	01750
Mitsubishi model SR-HD5	01749, 00749
Philips model DSHD800R	01749
Proscan model PSHD105	00392
RCA models DTC-100, DTC-210	00392
Samsung model SIR-TS360	01609
Samsung models SIR-TS160	01276

Sony models SAT-HD100, 200, 01639
300

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

Zenith models DTV1080, HD- 01856
SAT520

Setup Codes for DIRECTV® DVRs

DIRECTV all models 00001, 00002

HNS models SD-DVR80, SD- 01442
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, 120 01442

Sony model SAT-T60 00639

Sony model SAT-W60 01640

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

SETUP CODES, OTHER DEVICES

Setup Codes For Television

3M	11616
Abex	10032
Accurian	11803
Action	10873
Admiral	10093, 10463, 10179
Advent	10761, 10783, 10815, 10817, 10842, 11933
Adventura	10046
Affinity	13716, 13717
Aiko	10092, 11579
Aiwa	10032, 10701, 11362
Akai	10812, 10702, 11675, 10765, 10030, 10672, 11207, 11385, 11676, 11688, 11689, 11690, 11692, 11693, 11903, 11935
Akawa	13391
Alaron	10179
Albatron	10700, 10843
Alfide	10672
Ambassador	10177
America Action	10180
Ampro	10751
Anam	10180, 10068
Anthem	11633
AOC	11589, 12087, 10030, 10185, 11089, 11365, 11590, 12014, 12402, 12479
Aomni	11623
Apex Digital	12397, 10748, 10879, 10765, 10767,

	10890, 11217, 11943, 11991, 11992
Astar	11531, 11548, 11738
Asus	13340
Atvio	13636, 13638, 13653, 13654, 13657
Audinac	10180
Audiovox	11564, 10451, 10180, 10092, 12413, 12121, 11952, 11951, 11937, 11868, 11865, 11803, 11769, 11766, 11284, 11276, 10875, 10846, 10802, 10623
Auria	12087, 12277
Aventura	10171
Axion	11937
Baysonic	10180
Bell & Howell	10154
BenQ	11032, 11212, 11315
Berkshire	10047
BGH	10876
Blu:sens	12735
Blue Light	13655
Blue Sky	11254, 12153
Boigle	11696
Boxlight	10893
Bradford	10180
Brilliant	11007, 11255, 11257, 11258
Britânia	12414
Broksonic	10236, 10463, 11911, 11929, 11935, 11938
Byd:sign	11309, 11311
C&M	10700
Cadia	11283
Candle	10030, 10046, 10056, 10186
Carnivale	10030
Carver	10054
Casio	11205
CCE	10329, 10623
Celebrity	10000
Celera	10765
Champion	11362
Changhong	10765
Cinego	11986
Cineral	10451, 10092
Citizen	10060, 10030, 10092, 10039, 10046, 10056, 10186, 10280, 11928, 11935
Clairtone	10185
Clarion	10180
Coby	13478, 12306, 12314, 12315, 12326, 12338, 12340, 12344, 12345, 12347, 12348, 12351, 12560, 13627, 13629
Commercial Solutions	11447, 10047
Computime	11002
Concerto	10056
Contec	10180, 10157, 10158, 10185
Continental	12357
Coradir	12844
Craig	10180, 13423
Crosley	10054, 10000
Crown	10180, 10039, 10672

Crown Mustang	10672
CTX	10700
Curtis	12397, 11326, 12352, 12466, 12855, 13228, 13577
Curtis Mathes	10702, 10054, 10093, 10060, 10047, 10154, 10451, 10030, 10145, 10166, 11661, 10068, 10056, 10466, 10039, 10747, 11147, 11347, 11919, 11959
CXC	10180
CyberHome	10794
Cytron	11326
Daewoo	10154, 10451, 10092, 11661, 10039, 10623, 10661, 10672, 11928
Daytek	13651
Dell	11178, 11264, 11080, 11403, 11863
Delta	11001
Denon	10145
Denstar	10628
Diamond Vision	11996, 11997
Digital Lifestyles	11765
Digital Projection Inc.	11725
DirecTV	11501
Disney	11665, 11892, 12152
Dumont	10017
Durabrand	10178, 10171, 10463, 10180, 11034, 11665
Dwin	10720, 10747, 10774
Dynex	12049, 11463, 11785, 12184, 12288
Electric Mirror	13166
Electroband	10000, 10185
Electrograph	11755, 11623
Electrohome	10463, 10381, 10409, 11670
Elektra	10017, 11661
Element	11886, 11687, 12183, 12964, 13559
Elite	11457
Emerson	11864, 11394, 11886, 10178, 10171, 10154, 10451, 10236, 10463, 10180, 11661, 11665, 11911, 11928, 11929, 11944, 11963, 11997, 12183, 10623, 10282, 10280, 10270, 10185, 10182, 10181, 10179, 10177, 10158, 10039
Emprex	11422, 11546, 11765
Encross	10876
Envision	11589, 12087, 10030, 10813, 11365, 12014
Epson	10833, 10840, 11122, 11290
ESA	10812, 10171, 11944, 11963
Fair Mate	11326
Fisher	10154, 11362
Fluid	12964
Fujitsu	10809, 10179, 10186, 10683, 10853
Funai	10000, 10171, 10180, 10179, 11271, 11904, 11963
Futuretech	10180
Gateway	11756, 11755, 11001, 11002
GE	11447, 10178, 10047, 10051, 10451, 10765, 11922, 11919, 11917, 11547,

	11347, 10747, 10282, 10279, 10251, 10027, 10021
GFM	11864, 11886, 10171, 11665, 11963
Gibralter	10017, 10030
Go Video	10886, 11831
GoldStar	10178, 10030, 10032, 10039, 10056, 10409, 11926
GPX	10179, 12617, 13402
Gradiente	10053, 10056, 10392, 11804
Grundig	10672, 10683
Grunpy	10180, 10179
H & B	11366
H-Buster	13620
Haier	11749, 11748, 11034, 10768, 12293, 12309, 13382
Hallmark	10178
Hannspree	11348, 11351, 11352, 11745, 12786
Harley Davidson	10179, 11904
Harman/Kardon	10054, 10078
Harvard	10180, 10068
Havermy	10093
Helios	10865
Hello Kitty	10451
Hewlett Packard	11494, 11088, 11089, 11101, 11502
Hikato	10628
Himitsu	10180, 10628
Hisense	10748, 11314, 12098, 12183, 12355, 12419
Hitachi	11643, 11459, 11445, 11145, 10145, 12433, 12431, 12215, 11960, 11904, 11345, 11045, 10797, 10679, 10409, 10279, 10056, 10039, 10036, 10032
Hitech	11814
Humax	11501
Hyundai	10849, 11219, 11294, 11814, 13418
I-Inc	11746
iLo	11394, 11463, 11286, 11603, 11665, 11684, 11990
Infinity	10054
InFocus	11366, 11430
Initial	11603, 11990
Insignia	12049, 11423, 11564, 10171, 10463, 12751, 12432, 12184, 12088, 12002, 11963, 11892, 11785, 11641, 11517, 11385, 11326, 11204, 10842
Inteq	10017
IRT	10451, 11661, 10628
iSymphony	13094, 13382
IX	10877
Janeil	10046
JBL	10054
JCB	10000
JCM	12256
Jensen	10761, 10815, 10817, 11299, 11326, 11933
JVC	11601, 12271, 10650, 11774, 10463, 10053, 13650, 12321, 11923, 11670,

	11633, 11352, 11302, 11253, 10731, 10182, 10160, 10069, 10036
Kawasho	10158
KDS	11498, 11687
KEC	10180
Ken Brown	11321
Kenwood	10030
Kioto	10054, 10706, 10628
KLH	10765, 10767, 11962
Kloss Novabeam	10046, 10078
Konka	10628, 10632, 10638, 10707, 11385, 11831, 11939, 11940
Kost	11262, 11483
Kreisen	10876
KTV	10180, 10030, 10039, 10185, 10280
Lexus	13638, 13654, 13657
LG	11423, 12358, 12731, 12424, 11178, 12834, 10178, 10017, 10030, 10056, 10700, 10856, 11325, 11993
LiteOn	11088
Lloyd's	11904
LodgingStar	13147
Luxman	10056
LXI	10156, 10054, 10178, 10047, 10154, 10148, 10747
M&S	10054, 10236
MAG	11498, 11687
Magnasonic	11928
Magnavox	11867, 11454, 12597, 12372, 11755, 10054, 10171, 10051, 10030, 10706, 10802, 11198, 11254, 11365, 10386, 11525, 10186, 10179, 11904, 11931, 11944, 11963, 11990, 10036
Marantz	11454, 10054, 10030, 10704, 10854, 10855, 11154, 11398, 11714
Matsushita	10250, 10650
Maxent	11755, 10762, 11211, 11714, 11757
MB Quart	11868
Megapower	10700
Megatron	10178, 10145
MEI	10185
Memorex	10178, 10154, 10463, 10150, 10179, 10877, 11665, 11670, 11785, 11892, 11903, 11911, 11926, 11927, 11938
MGA	10178, 10150, 10030
Micro	11436
Midland	10047, 10017, 10051, 10032, 10039, 10747
Mintek	11603, 11990
Minutz	10021
Miray	13309, 13321, 13322
Mitsubishi	11250, 10093, 10178, 10150, 10036, 10358, 10836, 10868, 11522, 11797, 11917
Mitsui	13638, 13652, 13654, 13656, 13657, 13658, 13673
Monivision	10700, 10843

Motorola	10093, 10835
Moxell	10835
MTC	10060, 10030, 10056, 10185
Multitech	10180
NAD	10156, 11156, 10178, 10056, 10866
Nakamichi	11493
Naoki	12357
Naxa	12104, 12735, 13154, 13382
NEC	10030, 10036, 10056, 10497, 10704, 10876, 10882, 11398, 11704, 11797, 12293
NetTV	11755, 10762
NEX	11814
Nexus Electronics	12183
Nikko	10178, 10030, 10092
Niko	11581, 11618
Nimbro	12104
Noblex	10154, 10430, 11362
Norcent	11589, 10748, 10824, 11089, 11365, 11590, 11591, 11745, 12110
Norwood Micro	11286, 11296, 11303
NTC	10092
NuVision	11657, 12158
Ölevia	11610, 11144, 11240, 11331
Olympus	11342
Onwa	10180
Optimus	10250, 10650, 10154, 10166, 11927
Optoma	10887, 11348, 11622, 11674
Optonica	10093, 10165
Orion	10236, 10463, 11463, 10179, 11911, 11929, 11938
Panasonic	11480, 10250, 11291, 10650, 10051, 11271, 11290, 11310, 11636, 11919, 11927, 11941, 11946, 11947
PARK	12104
Penney	10156, 10178, 10060, 10047, 10051, 10030, 10021, 10027, 10032, 10039, 10747, 11347, 11919, 11926
Philco	11394, 10054, 10171, 10463, 10030, 10145, 11661, 13427, 13426, 13022, 12414, 11963, 11911, 11665, 11271, 11029, 10786, 10381, 10179
Philips	11867, 11454, 12374, 11744, 12597, 12372, 11394, 10054, 10171, 10690, 11154, 11365, 11483, 11944, 11961, 11990
Pilot	10030, 10039
Pioneer	11457, 10166, 10679, 10866, 11260, 11398, 11633
Planar	11589, 11288, 11496
Polaroid	11523, 11498, 10765, 12425, 12121, 12120, 12117, 12063, 12002, 11992, 11991, 11962, 11769, 11767, 11766, 11763, 11687, 11385, 11341, 11328, 11327, 11326, 11316, 11314, 11286, 11276, 11262, 10865
Portland	10451, 10092, 11661, 10039

Prima	11749, 10761, 10783, 10815, 10817, 11785, 11933
Princeton	10700, 10717
Prism	10051
Proscan	11447, 10047, 10030, 10466, 10747, 11347, 11922, 12147, 12183, 12256, 13577
Proton	10178, 10031, 10466
Protron	11320
Proview	11498, 10835, 11401, 11687
Proxima	11430
Pulsar	10017
Puneet	11546
Pyle	12196
Quasar	10250, 11291, 10650, 10051, 10165, 11919, 11927
RadioShack	10178, 10047, 10154, 10180, 10030, 10032, 10039, 10056, 10165, 10409, 10747, 11904
RCA	11447, 12434, 12746, 12932, 12247, 12187, 10093, 10060, 10047, 10051, 11661, 11953, 11958, 11959, 12002, 12403, 12429, 12855, 13147, 13577, 11922, 11919, 11917, 11781, 11547, 11385, 11347, 11247, 11147, 11047, 10774, 10747, 10679, 10278, 10090
Realistic	10178, 10154, 10180, 10030, 10032, 10039, 10056, 10165
Recco	10706
RevolutionHD	11623
Rhapsody	10185
Runco	10017, 10030, 10251, 10497, 10603, 11292, 11397, 11398, 11628, 11629, 11638, 11639, 11679
Sampo	11755, 10030, 10032, 10039, 10762
Samsung	12051, 10812, 11632, 10702, 11249, 10650, 10178, 10060, 10030, 12557, 11959, 11903, 11618, 11395, 11060, 10814, 10766, 10587, 10427, 10329, 10056, 10039, 10032
Samsux	10039
Sansei	10451
Sansui	10171, 10463, 11463, 10165, 11409, 11670, 11892, 11904, 11911, 11929, 11935, 11938, 13377, 13540, 13564
Sanyo	11142, 10054, 10154, 10036, 10088, 10799, 10893, 11362
Sceptre	10878, 11217, 11360, 11599, 12337, 12506
Scotch	10178
Scott	10178, 10236, 10180, 10179, 11711
Sears	10156, 10054, 10178, 10047, 10171, 10154, 10056, 10148, 10179, 10281, 10747, 11007, 11904, 11926
Seiki	10178, 12964, 13559, 13560
Seleco	11351
Semivox	10180

Semp	10156, 11356, 11743
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Sharp	12360, 10818, 10688, 10491, 11459, 10093, 12402, 11917, 11393, 10854, 10851, 10720, 10386, 10281, 10165, 10157, 10153, 10039
Sheng Chia	10093
Sherwood	11399, 13061
Sigmac	13423, 13477
Signature	10054
Signet	11262
Simpson	10186
Solé	11366, 11483, 11623
Sony	10810, 10000, 10834, 11300, 11317, 11685, 11904, 11925
Soundesign	10178, 10180, 10179, 10186
Sova	11320, 11952
Soyo	11546, 11746, 11824, 11826, 11831
Space Tek	11696
Spectroniq	11498, 11687
Squareview	10171
SSS	10180
Starlite	10180
Studio Experience	10843
SunBriteTV	11610, 12337
Superscan	10864, 10093, 11944
Supersonic	12104, 13154
Supre-Macy	10046
Supreme	10000
SVA	10748, 10587, 10768, 10865, 10870, 10871, 10872, 11963
Sylvania	11864, 11394, 11886, 10054, 10171, 10030, 10065, 10381, 10587, 11271, 11314, 11665, 11931, 11944, 11963
Symphonic	11394, 10171, 10180, 10068, 11904, 11944
Syntax	11610, 11144, 11240, 11331
Tandy	10093
Tatung	11756, 11101, 11285, 11286, 11287, 11288, 11303, 11361
TCL	12434, 12403, 12414, 12429
Technics	10250, 10051
Technol Ace	10179
Techview	10847, 12004
Techwood	10051, 10056
Teknika	10054, 10060, 10180, 10150, 10092, 10039, 10056, 10179, 10186
Telefunken	10702, 10056
Tera	10031
Thomas	11904
TMK	10178, 10056, 10177
TNCi	10017
Tophouse	10180
Tosaki	12357
Toshiba	11524, 11656, 10156, 11156, 10822, 11256, 11936, 12006, 10650, 10093, 10060, 10154, 11959, 11945, 11935,

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Toshinaer	13576
Tosonic	10185
Totevision	10039
Trical	10157
TruTech	11665, 11723, 12066
TVS	10463
Universal	10027
US Logic	11286, 11303
Vector Research	10030
Venturer	11865, 11868
VEOS	11007
Victor	10053
Vidikron	10054, 10242, 11292, 11302, 11397, 11398, 11628, 11629, 11633
Vidtech	10178, 10036
Viewsonic	12049, 10864, 11755, 11564, 12087, 12277, 12014, 11742, 11640, 11627, 11578, 11365, 11342, 11330, 10885, 10857, 10797
Viking	10046
Viore	11207, 11684, 11811, 12104, 12352, 13094, 13382
Visart	11336
VisionQuest	13380
Vito	11320
Vivitek	11001, 11369
VIZIO	11758, 13758, 12757, 12707, 13358, 10864, 11756, 10885, 11499
Vuon	13418
Wards	10156, 11156, 10054, 10000, 10178, 10060, 10047, 10154, 10017, 10051, 10180, 10030, 10056, 10027, 10165, 10021, 10179, 10186, 10866, 11147, 11347
Waycon	10156
Westinghouse	11712, 13470, 13579, 10451, 10885, 10889, 10890, 11217, 11282, 11300, 11577, 12293, 13094, 13382
White Westinghouse	10463, 11661, 10623
WinBook	11381
Wyse	11365
Yamaha	10030, 10769, 10797, 10833, 10839, 11522
Zenith	11423, 12358, 12731, 10000, 10178, 10047, 10017, 10463, 10030, 11145, 10145, 10092, 11661, 10160, 11325, 11365, 11904, 11911, 11929

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Controlled by the TV

Accurian	11803
Advent	11933
Affinity	13717
Akai	11675, 11935

Apex Digital	11943, 11991
Audiovox	11766, 11865, 11868, 11937, 11951, 11952, 12413
Axion	11937
Blu:sens	12735
Blue Sky	12153
Boigle	11696
Broksonic	11935
Cinego	11986
Citizen	11935
Coby	12314, 12315, 12340, 12344, 12347, 12351, 12560, 13627
Coradir	12844
Curtis	12466, 12855
Daytek	13651
Diamond Vision	11997
Disney	12152
Dynex	12049, 12184
Electrohome	11670
Emerson	11864, 11394, 11886, 11963, 11997
ESA	11963
Funai	11963
GFM	11963
GPX	12617
Haier	11748, 12309
Hitachi	11960
iLo	11990
Initial	11990
Insignia	12049, 11963, 12002, 12751
iSymphony	13094
Jensen	11933
JVC	12271, 11774, 11670
KLH	11962
Konka	11939, 11940
LG	11423, 11993
Magnavox	12372, 11944, 11963, 11990
Maxent	11714
Memorex	11670
Mintek	11603, 11990
Naxa	12104, 13382
Nimbro	12104
Panasonic	11927, 11941, 11947
Philips	12372, 11394, 11961
Polaroid	11523, 11766, 11769, 11962, 11991, 12002
Prima	11933
Proscan	12256
Pyle	12196
RCA	11447, 12746, 12932, 12187, 11958, 12002
Samsung	11903
Sansui	11670, 11935, 13377, 13564
Sens	11865
Sharp	12360, 10818
Sova	11952
Supersonic	12104
Sylvania	11864, 11394, 11886, 11963

Techview	12004
Toshiba	11524, 11256, 12006, 11935
TruTech	12066
Venturer	11865
Viewsonic	12049, 10864
Viore	11811, 12104, 12352, 13094, 13382
VisionQuest	13380
Westinghouse	11712, 11300

Setup Codes for TV/DVD Combos

Controlled by the DVD

Coby	21177
Emerson	20675
Sylvania	20675
Toshiba	21515

Setup Codes for TV/VCR Combos

Controlled by the TV

America Action	10180
Audiovox	10180
Broksonic	11911, 11929
Citizen	11928
Curtis Mathes	11919, 11959
Daewoo	11928
Emerson	10236, 11911, 11928, 11929
Funai	11904
GE	10047, 11917, 11919, 11922
GoldStar	11926
Gradiente	11804
Harley Davidson	11904
Hitachi	11904
JVC	11253, 11923
Lloyd's	11904
Magnasonic	11928
Magnavox	12597, 11904, 11931
Memorex	11926, 11927
Mitsubishi	11917
Optimus	11927
Orion	11911, 11929
Panasonic	10051, 11919, 11927, 11947
Penney	11919, 11926
Philips	12597
Quasar	11919, 11927
RadioShack	11904
RCA	10047, 11147, 11917, 11919, 11922, 11959
Samsung	11959
Sansui	11904, 11911, 11929
Sears	11904, 11926
Sharp	10093
Sony	10000, 11904, 11925
Sylvania	11931
Symphonic	11904
Thomas America	11904
Toshiba	11936, 12006, 11918, 11945, 11959
Zenith	10017, 11904, 11911, 11929

**Setup Codes for TV/VCR Combos
Controlled by the VCR**

America Action	20278
Audiovox	20278
Broksonic	20002, 20479
Colt	20072
Emerson	20002, 20479, 20593
Funai	20000
GE	20240
Gradiente	21137
Harley Davidson	20000
Hitachi	20000, 20593
Lloyd's	20000
Magnasonic	20593
Magnavox	20000, 20593
Magnin	20240
Memorex	20162, 21162, 21262
MGA	20240
Optimus	20162, 20593, 21162, 21262
Orion	20002, 20479
Panasonic	20035, 20162, 21162, 21262
Penney	20240
Philco	20479
Quasar	20162, 21162, 21262
RadioShack	20000
RCA	20240
Samsung	20432
Sansui	20000, 20479
Sanyo	20240
Sears	20000
Sony	20000
Sylvania	20593
Symphonic	20000, 20593
Thomas America	20000
Zenith	20000, 20479

Setup Codes For Video - VCR

ABS	21972
Accurian	20000
Admiral	20048, 20209, 20479
Adventura	20000
Aiko	20278
Aiwa	20037, 20000, 20124
Alienware	21972
Allegro	20039, 21137
America Action	20278
American High	20035
Asha	20240
Audiovox	20037, 20278
Beaumont	20240
Bell & Howell	20104
Broksonic	20184, 20121, 20209, 20002, 20479
Calix	20037
Canon	20035
Carver	20081
CCE	20072, 20278
Cineral	20278

CineVision	21137
Citizen	20037, 20278
Colt	20072
Craig	20037, 20047, 20240, 20072
Crosley	20081, 20000
Curtis Mathes	20060, 20035, 20162, 20240, 20278
Cybernex	20240
CyberPower	21972
Daewoo	20045, 20278, 21137
Dell	21972
Denon	20042
DirecTV	20739, 21989
Durabrand	20039, 20038
Dynatech	20000
Electrohome	20037, 20043
Electrophonic	20037
Emerex	20032
Emerson	20037, 20184, 20000, 20121, 20043, 20209, 20002, 20278, 20479, 20593, 21593
ESA	21137
Fisher	20047, 20104
Fuji	20035, 20033
Funai	20000, 20593, 21593
Garrard	20000
Gateway	21972
GE	20060, 20035, 20240
GFM	21593
Go Video	20240, 20432, 20614, 21137, 21873
GoldStar	20037, 20038, 21137
Gradiente	20000, 21137
Harley Davidson	20000
Harman/Kardon	20081, 20038
Harwood	20072
Hewlett Packard	21972
HI-Q	20047
Hitachi	20000, 20042, 20089, 20593
Howard Computers	21972
Hughes Network Systems	20042
Humax	20739, 21797
Hush	21972
iBUYPOWER	21972
Instant Replay	20035
JVC	20067
KEC	20037, 20278
Kenwood	20067, 20038
KLH	20072
Kodak	20035, 20037
LG	20037, 21137
Linksys	21972
Lloyd's	20000
Logik	20072
LXI	20037
Magnasonic	20593
Magnavox	20035, 20039, 20081, 20000, 20563, 20593, 21593
Magnin	20240

Marantz	20035,20081
Marta	20037
Matsushita	20035,20162,21162
Media Center PC	21972
MEI	20035
Memorex	20035,20162,20037,20048,20039, 20047,20240,20000,20104,20209, 20479,21162,21262
MGA	20240,20043
MGN Technology	20240
Microsoft	21972
Mind	21972
Minolta	20042
Mitsubishi	20067,20043,21795
Motorola	20035,20048
MTC	20240,20000
Multitech	20000,20072
NEC	20104,20067,20038
Nikko	20037
Niveus Media	21972
Noblex	20240
Northgate	21972
Olympus	20035
Optimus	21062,20162,20037,20048,20104, 20432,20593,21048,21162,21262
Orion	20184,20209,20002,20479
Panasonic	21062,20035,20162,20225,20614, 20616,21162,21262,21807
Penney	20035,20037,20240,20042,20038
Pentax	20042
Philco	20035,20209,20479
Philips	20739,20035,20081,20618,21081, 21181,21818
Pilot	20037
Pioneer	20067,21337,21803
Polk Audio	20081
Portland	20278
Presidian	21593
Profitronic	20240
Proscan	20060
Protech	20072
Pulsar	20039
Quasar	20035,20162,21162,21262
RadioShack	20000
Radix	20037
Randex	20037
RCA	20060,20035,20240,20042,20880, 21989
Realistic	20035,20037,20048,20047,20000, 20104
ReplayTV	20614,20616
Ricavision	21972
Rio	21137
Runco	20039
Samsung	20240,20045,20432
Sanky	20048,20039
Sansui	20000,20067,20209,20479

Sanyo	20047, 20240, 20104
Sceptre	20104
Scott	20184, 20045, 20121, 20043
Sears	20035, 20037, 20047, 20000, 20042, 20104
Semp	20045
Sharp	20048, 20848, 21875
Shintom	20072
Shogun	20240
Signature	20035
Singer	20072
SKY	22032
Sky Brasil	22032
Sonic Blue	20614, 20616, 21137
Sony	20032, 20035, 20033, 20000, 20636, 21032, 21886, 21972
Stack 9	21972
STS	20042
Sylvania	20035, 20081, 20000, 20043, 20593, 21593
Symphonic	20000, 20593, 21593
Systemax	21972
Tagar Systems	21972
Tashiko	20037
Teac	20000
Technics	20035, 20162
Teknika	20035, 20037, 20000
Thomas	20000
TiVo	20739, 20618, 20636, 21996
TMK	20240
Toshiba	20045, 20043, 20209, 21008, 21972, 21996
Totevision	20037, 20240
Touch	21972
UEC	22032
UltimateTV	21989
Unitech	20240
Vector	20045
Vector Research	20038
Video Concepts	20045
Videomagic	20037
Videosonic	20240
Viewsonic	21972
Villain	20000
Voodoo	21972
Wards	20060, 20035, 20048, 20039, 20047, 20081, 20033, 20240, 20045, 20000, 20042, 20072, 20038
White Westinghouse	20209, 20072
XR-1000	20035, 20000, 20072
Yamaha	20038
Zenith	20037, 20039, 20033, 20000, 20209, 20479, 21137, 21139
ZT Group	21972
Setup Codes For Satellite Set Top Box	
Century	00856
Crossdigital	01109

DirecTV	00001,01442,00392,00566,00639, 01639,01142,00247 00749,01749, 00790,00724,00819,01856,01076, 01108 00099,01109,00006,00005, 00007,00008,01750,01708 01640, 01609,01414,01392,00004,00003, 00002
GE	00566
General Instrument	00869
Gradiente	00856
Hitachi	00819
Hughes Network Systems	00001,01442,01142,00749,01749, 01750
Humax	00001
Innova	00099
Jerrold	00869
LG	01414,01750
Magnavox	00724
Memorex	00724
Mitsubishi	00749
Motorola	00869,00856
Netsat	00099
Next Level	00869
Panasonic	00247,00701
Paysat	00724
Philips	01442,01142,00749,01749,00724, 00856,01076,00099
Proscan	00392,00566
RadioShack	00869
RCA	01442,00392,00566,00855,00143, 01392
Samsung	00001,01442,01276,01108,01109, 01609,01708
Shaw Direct	00869
SKY	00856,01856,00099
Sky Brasil	00856
SKY Mexico	00856
Sony	00639,01639,01640
Star Choice	00869
TiVo	01442,01142
Toshiba	00749,01749,00790,01285
UltimateTV	01392,01640
Uniden	00724
Voom	00869
Zenith	00856,01856

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Accurian	20675,21416
Adcom	21094
Aiwa	20641
Akai	20770,21089
Alco	20790
Allegro	20869
AMW	20872,21245
Anthem	22820
Apex Digital	20672,20717,20755,20794,20795, 20796,20797,21004,21020,21056,

	21061
Arrgo	21023
Aspire Digital	21168, 21407
Astar	21489, 21678, 21679
Audio Authority	22555
Audiovox	20717, 20790
Avayon	22131
B & K	20655, 20662
BBK	21224
Bel Canto Design	21571
Blaupunkt	20717
Blue Parade	20571
Bose	21895, 22520
Broksonic	20868, 21419
Buffalo	21882
California Audio Labs	20490
Cambridge Audio	22808
Cambridge Soundworks	20690
Cary Audio Design	21477
Centrios	21577
Cinea	20831
Cinematrix	21052
CineVision	20876, 20833, 20869, 21483
Citizen	21277
Coby	20778, 20852, 21086, 21107, 21165, 21177, 21351, 22494
Craig	20831
Curtis	22235
Curtis Mathes	21087
CyberHome	20816, 20874, 21023, 21024, 21117, 21129, 21502, 21537
D-Link	21881
D-Vision	21173
Daewoo	20784, 20705, 20770, 20833, 20869, 21169, 21172, 21234 21242, 21441, 21443
Daytek	20872
Denon	20490, 22258, 21634
Desay	21407, 21455
Diamond Vision	21316, 21609
DigitalMax	21738
Digix	22464
DIGIXmedia	21272
Disney	20675, 21270, 23246
Dual	21068, 21085
Durabrand	21023, 21127, 22164
DVD2000	20521
Dynex	22596
Emerson	20675, 20591, 20821, 22213
Encore	21374
Enterprise	20591
ESA	20821, 21443
Fisher	20670
Funai	20675, 21334
Gateway	21073, 21158, 21194
GE	20522, 20815, 20717
Genica	20750

GFM	20675
Go Video	21075, 20741, 20744, 20715, 20783, 20833, 20869, 21044, 21099, 21144, 21158, 21304, 21443, 21483, 21730
GoldStar	20741, 20869
GPX	20699, 20769, 22164, 22235
Greenhill	20717
Grundig	20539, 20705
Haier	22164
Harman/Kardon	20582, 20702, 21229, 22927
Helios	22080
Hello Kitty	20831
Hitachi	20573, 20664
Hiteker	20672
Humax	21500, 21588
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Initial	20717
Innovative Technology	21542
Insignia	20675, 20741, 22596, 22095, 22428
Integra	22147, 20627, 20571, 21769, 21634
Irradio	20646
IRT	20783
Jaton	21078
JBL	20702
JSI	21423
JVC	22365, 21164, 20623, 21602, 20558, 20867, 21550
jWin	21049, 21051
Kawasaki	20790
Kenwood	20490, 20534, 20682
KLH	20717, 20790, 21020, 21149
Konka	20711
Koss	20896, 21423
Kreisen	21421
Krell	21498
Lafayette	21369
Lasonic	20798, 21173
Lenox	21127
Lexicon	20671, 22545
LG	20741, 21602, 20591, 20801, 20869, 22189
LiteOn	21058, 21158, 21416, 21440, 21656, 21738
Loewe	20511
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Magnavox	20539, 20503, 20675, 20646, 20821, 21177, 21354, 21506
Malata	20782, 21159
Marantz	20539, 22414, 22481, 23444
McIntosh	21533, 21273, 21373
Memorex	20831, 21270, 22213, 22331, 23153
Meridian	21497
Microsoft	20522, 22083, 21708
Mintek	20839, 20717
Mitsubishi	21521, 20521
MixSonic	21130
Momitsu	21082

NAD	20741, 20692, 22572
Nakamichi	21222
Naxa	22235
NEC	20785
Nesa	20717
NeuNeo	21454
NexxTech	21402
Norcent	21003, 20872, 21107, 21265, 21457
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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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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: directv.com

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COMPLIANCE WITH FCC RULES AND REGULATIONS

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:

- Reorient or relocate the receiving antenna.
- Increase or decrease the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced remote control/TV technician for help.
- It is strongly recommended that the TV be plugged into a separate wall outlet.

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.



User Guide
ATT006
Revision 1