



ATLAS

DVR/PVR 5-DEVICE

Universal Remote Control



User's Guide

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INTRODUCTION

The Atlas DVR/PVR 5-Device Universal Remote Control by Universal Electronics is our latest generation universal remote control. Its sophisticated technology allows you to consolidate up to five of your original home entertainment remote controls into one easy-to-use product. Moreover, it's packed with advanced features such as:

- Preprogrammed control to operate the cable converter supplied by your cable service provider
- Dedicated keys to control popular functions on your DVR/PVR (Digital/Personal Video Recorder)
- Programmable Master Power key for master on/off control of your home entertainment equipment with a single keystroke
- Instant "Tune-In" keys for assignment to your favorite channels
- Channel Lock to lock channel selection only to the cable converter
- Volume Lock to lock volume controls to one mode or individual modes
- Device Key Re-Assignment to remotely control a second (duplicate) device
- Code Search to help program control of older or discontinued components
- Color-coded keys to quickly locate popular functions
- Code library for popular video and audio devices

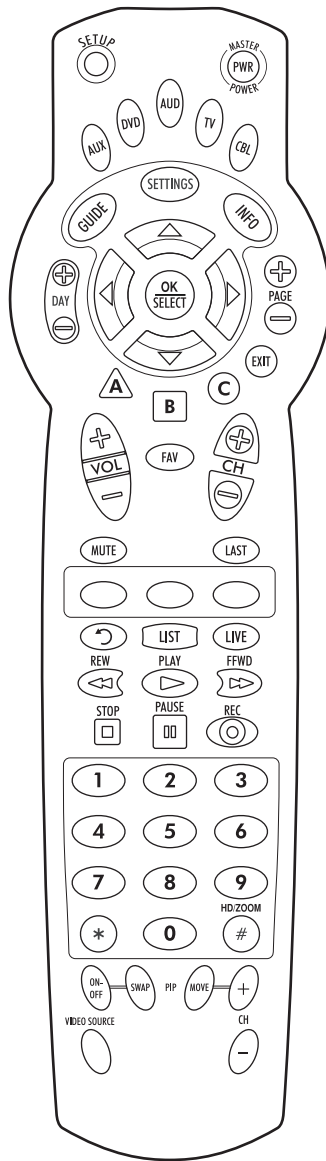
Before using the product, you will need to install the enclosed batteries and also perform some programming to operate the specific home entertainment devices you wish to control.

Please follow the instructions detailed in this manual to set up the unit and then start enjoying your new remote control and cable service.

FEATURES AND FUNCTIONS

Use the illustration below to locate features on the Atlas DVR/PVR 5-Device Universal Remote Control and then study the *Key Charts* (on the next three pages) to learn how they function.

To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 8.



Key Charts



Use **SETUP** for all programming sequences.



Press **PWR** once to turn on or off a home entertainment device. For **MASTER POWER** control, see *Using The Master Power Key* on page 18.



Press **AUX, DVD, AUD, TV, or CBL** once to select a home entertainment device to control. Also see the *Device Table* on page 8.

Each device key has an embedded **LED** (red light) that blinks upon selection and indicates the remote control is working and (after programming) is sending signals.



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



Press **SETTINGS** once to display available interactive services.



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



Use **DAY+** (or **DAY-**) to move a day forward (or back) on your cable converter's program guide.



Use the **Cursor** keys to move the cursor in the program guide and menu screens and to navigate within the interactive service.

Use **OK/SELECT** to choose options, PPV events, and to tune programs from the program guide.



Use **PAGE+** (or **PAGE-**) to page up (or page down) through menu screens and the program guide.



Use **EXIT** to exit out of your cable converter's menu and guide.



Use **A, B, or C** to access additional cable features (see your cable converter's manual).

continued on next page...

FEATURES AND FUNCTIONS

Key Charts (continued)



Use **VOL+** (or **VOL-**) to raise (or lower) the audio volume.



Use **FAV** to cycle through your favorite channels stored in your cable converter.



Use **CH+** (or **CH-**) to select the next higher (or lower) channel.

For DVD players, use these keys to skip forward (or reverse) through chapters.

For amplifiers/receivers, use these keys to select the next higher (or lower) preset station.



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




Press **LAST** once to recall the last channel.



Reserved for use as "**Tune-In**" keys (see page 16).



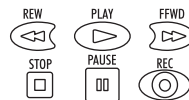
Use  to command your PVR to instantly replay the last 7 seconds of a program you are watching.



Press **LIST** once to display a list of recorded shows on your PVR.

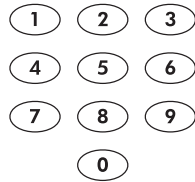


Press **LIVE** to return to watching live TV.



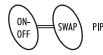
In all modes except **CBL**, use **REW**, **PLAY**, **FFWD**, **STOP**, and **PAUSE** to control a VCR, DVD player, or a PVR (after selecting a desired device). To record in the **VCR** mode, press **REC** twice.

In the **CBL** mode, use above keys to control DVR/PVR functions of the set-top box.


 Use the keypad numbers (**1 ~ 9**, and **0**) to directly tune channels (e.g., **09**). For amplifiers/receivers, use the keypad numbers to select inputs 1 through 10.

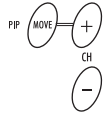


Press **HD/ZOOM** once to change the aspect ratio of the show you are watching. (Not available on all set-top boxes).



Use **PIP ON-OFF** to switch the Picture-In-Picture feature on or off (if available on your TV or cable service).

Use **PIP SWAP** to switch images and sound between the main and window pictures.



Use **PIP MOVE** to move the window picture to different positions in the main picture.

Use **PIP CH+** (or **CH-**) to select the next higher (or lower) PIP channel.



In the **CBL** mode, use **VIDEO SOURCE** to view other video sources (A or B) instead of cable.






In all other modes, use **VIDEO SOURCE** to watch TV or video programs on a desired device. For amplifiers/receivers, use **VIDEO SOURCE** to select an input source.

FEATURES AND FUNCTIONS (continued)

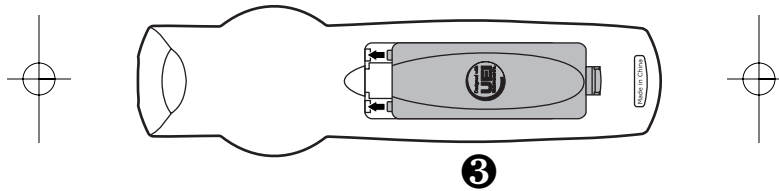
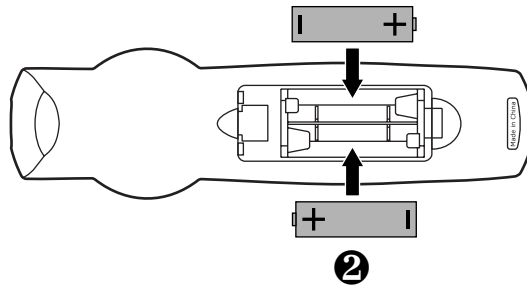
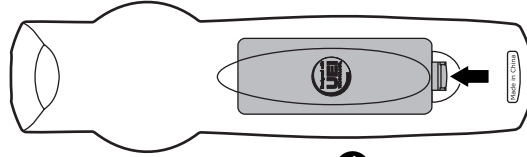
Device Table


NOTE: Please refer to the table below when performing the instructions in "Programming Device Control" on page 10 or "Programming TV/ VCR Combo Control" on page 12.

After programming, the Atlas DVR/PVR 5-Device Universal Remote Control will be able to control the following types of devices:

DEVICE KEY	CONTROLS THESE TYPES OF DEVICES
	VCR, TV/VCR Combo, PVR (Personal Video Recorder), or extra DVD Player
	DVD Player
	Audio Amplifier, Tuner, or Receiver
	Television
	Cable Box (Converter) or Satellite Receiver

INSTALLING BATTERIES



1. On the back of the remote control, push the tab and lift off the battery cover.
2. Locate the two (2) enclosed AA batteries. Match the + and - marks with those in the battery case, then insert them.
3. Align the cover's keys with the case's holes and press the cover back into place. The tab should click when the cover is locked.
4.  Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the **LED** (red light) will blink once.

NOTE: When batteries need replacement, the remote control will cease to operate. Replace the batteries and the unit will be restored to its full functionality, complete with your favorite settings.

PROGRAMMING DEVICE CONTROL

The Atlas DVR/PVR 5-Device Universal Remote Control is preprogrammed to operate the Scientific Atlanta cable box (converter) provided by your cable system, an RCA TV, a Toshiba DVD player, an RCA VCR (as an **AUX** device), and a Pioneer audio receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section:

NOTES: For TV/VCR Combo control, skip this section and perform the instructions on page 12. Also refer to the "Device Table" on page 8 to find out which devices can be programmed onto each device key.

If you have another brand of cable converter or a satellite receiver you would like to control, you'll first need to unlock the cable ID Lock before changing the converter code – see "Programming ID Lock" on page 16.

1. Turn on a device and, if applicable, insert video media, (e.g., cassette or disc).

NOTE: Please read steps 2 through 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 remote control, press a device key once (i.e., **AUX**, **DVD**, **AUD**, **TV**, or **CBL**); it will blink once. Then press and hold **SETUP** until the selected mode key blinks twice, then release **SETUP**.



3. Use the *Manufacturer's Codes* (starting on page 24) to locate the the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the selected mode key will blink twice.

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

4. Aim the remote control at the device and press **PWR** once. The device should turn off. If it does not, repeat steps 2 through 3, trying each code for your brand until you find one that works. If it still does not respond, try searching for the code (see *Searching For Your Code* on page 13).



*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 remote control to operate. For future reference, write down each working device code in the following boxes:

AUX Code

Device Type: _____

DVD Code

Device Type: _____

AUD Code

Device Type: _____



CBL Code

Device Type: _____

TV Code


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 remote control, press **AUX** once; it will blink once. Then press and hold **SETUP** until the **AUX** key blinks twice, then release **SETUP**.

3. Use the *Setup Codes For TV/VCR Combos* (on page 36) 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 **AUX** key will blink twice.

*NOTE: If the **AUX** 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.*

If you've located a TV/VCR setup code that works for your TV/VCR Combo and a separate TV code is also listed, you'll need to program this code into the remote control to access volume control (see *Programming Device Control* on page 10).

4.  Aim the remote control at your TV/VCR Combo and press **PWR** once. The device should turn off. If it does not respond, repeat steps 2 through 3, trying each code listed for your brand until you find one that works. If it still does not respond, try searching for the code (see *Searching For Your Code* on the page 13).
5. For future reference, write down each working device code in the boxes below:









TV/VCR Code

TV Code (if used)

SEARCHING FOR YOUR CODE

If your home entertainment device does not respond to the Atlas DVR/PVR 5-Device 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 remote control, press **TV** once; it will blink 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 press **PWR** once.
5.  Press **CH+** one or more times and stop when the TV turns off.
NOTE: In the search mode, the remote control will send IR codes from its library to the selected device, starting with the most popular code first.
6.  Press **SETUP** once to lock in the code. The **TV** key will blink twice.
7. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate key (e.g., **AUX**, **DVD**, **AUD**, or **CBL**) for the device you are searching for.




CHECKING THE CODES

If you have set up the Atlas DVR/PVR 5-Device 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.  On the remote control, press **TV** once; it will blink once. Then press and hold **SETUP** until the **TV** key blinks twice, then release **SETUP**.

2.  Enter **9 - 9 - 0**. The **TV** key will blink twice.


3.  To view the code for the first digit, press **1** once. Wait 3 seconds and count the number of times the **TV** key blinks (e.g., 3 blinks = 3) and write down the number in the leftmost TV Code box on page 11.

NOTE: If a code digit is "0", the selected mode key will not blink.







4.  Repeat step 3 three more times for the 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 on page 11.
5. To check for other device codes, repeat steps 1 through 4, but substitute the appropriate key (e.g., **AUX**, **DVD**, **AUD**, or **CBL**) for the device you are checking. Write down the codes in the appropriate boxes on page 11.

PROGRAMMING CHANNEL CONTROL LOCK







By default, the remote control's channel-control capabilities are locked to the cable converter. The affected keys* are **0 ~ 9, CH+, CH-, ENTER, and LAST**. This will guarantee that you do not inadvertently change a channel on your TV or VCR. However, you can de-activate this feature to allow full access to these keys in the TV and VCR modes.

NOTE: This feature does not affect the **AUD mode.*

To De-Activate Channel Control Lock:











1.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.

2.  Enter **9 - 7 - 3**. The **CBL** key will blink twice.


3.  Press **CH-** once. The **CBL** key will blink four times.
4. Now, the remote control will provide TV and VCR channel-control capabilities while in the TV or VCR mode.

To Re-Activate Channel Control Lock:

1.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.

2.  Enter **9 - 7 - 3**. The **CBL** key will blink twice.


3.  Press **CH+** once. The **CBL** key will blink twice.
4. Now, regardless of what mode you select (except **AUD**), only the channel control capability of your cable converter will be accessible.

PROGRAMMING ID LOCK


The Atlas DVR/PVR 5-Device Universal Remote Control is locked at the factory to operate a Scientific Atlanta cable converter. However, if you have another brand or model of cable converter or satellite service that you would like to control, then you'll need to perform the following steps to unlock the *ID Lock*, enter in a new manufacturer's code, and lock the *ID Lock* again.

1. Turn on the cable converter.
2.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.

3.  Enter **9 - 8 - 2**. The **CBL** key will blink four times, indicating *ID Lock* is unlocked.


4. Perform the instructions in *Programming Device Control* on page 10 to program device control for the desired cable converter or satellite receiver. Upon completion, perform the remaining steps (5 and 6 on this page) to again lock the *ID Lock*.
5.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.

6.  Enter **9 - 8 - 2**. The **CBL** key will blink twice, indicating *ID Lock* is again locked.




PROGRAMMING "TUNE-IN" KEYS FOR SPECIFIC CHANNELS

The Atlas DVR/PVR 5-Device Universal Remote Control includes three "**Tune-In**" keys (located directly below the **MUTE** and **LAST** keys). Each can be programmed to remember five of your favorite cable channel settings for a total of nine channels. If you want to change the cable channels in a previously-programmed "**Tune-In**" key, you'll need to clear the key first (see next page).


To Program A “Tune-In” Key:

1.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.



2.  Enter **9 - 9 - 5**. The **CBL** key will blink twice. Then select a “**Tune-In**” key and press it once.



3.  Press **CBL** once followed by the channel number to be programmed (e.g., **3 - 9**).

*NOTE: If you are programming a channel for a Digital Cable Converter, you need to enter all channels in a 3-digit channel format. For example, if the desired channel is **39**, then enter it as **0 - 3 - 9**.*


4.  Press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.




5. To add another channel, repeat steps 1 through 4, substituting the new channel to be added in step 3.

*NOTE: Programming more than five channels on the same “**Tune-In**” key will overwrite previous settings.*

To Clear A “Tune-In” Key:

1.  On the remote control, press **CBL** once; it will blink once. Then press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.



2.  Enter **9 - 9 - 5**. The **CBL** key will blink twice. Then select a “**Tune-In**” key you want to clear and press it once.



3.  Press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.












4. This “**Tune-In**” key is now clear and ready for reprogramming (see above – *To Program A “Tune-In” Key*). If desired, repeat steps 1 through 3 in this section to clear another “**Tune-In**” key.

USING THE MASTER POWER KEY



The Atlas DVR/PVR 5-Device Universal Remote Control has a unique feature that allows you to sequentially turn on or off up to five of your home entertainment devices with a single key press.

*NOTE: **MASTER POWER (PWR)** only works in the CBL mode. If it is not programmed, only the cable converter will turn on or off. In any other mode, pressing **MASTER POWER (PWR)** once will turn on or off the selected device.*


To Program The Master Power Key:

1.  On the remote control, press and hold **SETUP** until the last-selected device key blinks twice, then release **SETUP**.
2.  Enter **9 - 9 - 5**. The last-selected device key will blink twice. Then press **PWR** once.



3.  For the first device you want in the *power on* sequence, press a device key (e.g., **CBL**) once. Then press **PWR** once.

4. Repeat step 3 up to four more times to add the second, third, fourth, and fifth device, as desired.
5.  To save the settings and exit the program, press and hold **CBL** once. Next press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.


To Operate The Master Power Key:

1.  After programming, point the remote control at the devices. Press **CBL** once.
2.  Press **PWR** once to sequentially turn on or off all home entertainment devices.
3. You will see the devices turn on or off according to the programmed sequence.








To Clear The Master Power Key:

1. Perform steps 1 and 2 in the first section above, *To Program The Master Power Key*.
2.  To clear the settings and exit the program, press and hold **SETUP** until the **CBL** key blinks twice, then release **SETUP**.

RE-ASSIGNING DEVICE KEYS

The Atlas DVR/PVR 5-Device Universal Remote Control can be set up to control a second device. For example, to have the unit control a TV, a Cable Converter, and *two* DVD Players, you will need to re-assign the unused **AUX** key to operate the second DVD Player as follows:

*NOTE: **AUX** is preset at the factory to control an RCA VCR. Performing the below steps will overwrite those settings.*

1.  On the remote control, press **AUX** once; it will blink once. Then press and hold **SETUP** until the **AUX** key blinks twice, then release **SETUP**.

2.  Enter **9 - 9 - 2**. The **AUX** key will blink twice.


3.  Press **DVD** once, then press **AUX** once. The **AUX** key will blink twice.

4. The **AUX** key is now ready to be programmed for your second DVD player. See *Programming Device Control* on page 10.

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

NOTE: Only one device can be assigned to an unused device key at a time.

continued on next page...

RE-ASSIGNING DEVICE KEYS (continued)

To Re-Assign	Perform Key Sequence
AUX as 2nd AUD key:	AUX - SETUP - 9 - 9 - 2 - AUD - AUX
AUX as 2nd TV key:	AUX - SETUP - 9 - 9 - 2 - TV - AUX
AUX as 2nd CBL key:	AUX - SETUP - 9 - 9 - 2 - CBL - AUX
AUX back to AUX :	AUX - SETUP - 9 - 9 - 2 - AUX - AUX

To re-assign another unused device key, substitute it for the **AUX** key above and then perform the sequence. For example, to re-assign an unused **AUD** key as a second **DVD** key, perform **AUD - SETUP - 9 - 9 - 2 - DVD - AUD**.








When a re-assignment is done, the selected device key (e.g., **AUD**) will blink twice to confirm your choice. At that time, you will need to program device control (see *Programming Device Control* on page 10).

CHANGING VOLUME LOCK

On this remote control, *Global Volume Lock* is set to TV, so you can control TV volume while in the **AUX**, **DVD**, **TV** or **CBL** mode. If desired, you can still perform *Individual Volume Unlock* on a selected device to set its volume control for independent operation.

*NOTE: The audio mode's volume controls are active regardless of Volume Lock settings. However, if you lock the volume controls to the **AUD** mode, you will have control of the audio device's volume in all other modes (i.e., **AUX**, **DVD**, **TV**, and **CBL**).*






To Unlock Volume Control For A Single Device (Individual Volume Unlock):

-  Assuming *Global Volume Lock* is active, select a mode on the remote control that you want to unlock (e.g., **CBL**) and press it once. Next, press and hold **SETUP** until the device key blinks twice, then release **SETUP**.
 
-  Enter **9 - 9 - 3**. The last-selected device key will blink twice.
 

-  Press **VOL-** once. The last-selected device key will blink four times.
 

4. Repeat steps 1 through 3 (of this section) for each device you want volume to be unlocked.
5. Now, after you select a device that has volume unlocked (e.g., **CBL**), pressing **VOL+**, **VOL-**, or **MUTE**, will control the device's volume only in its own mode.






To Unlock All Volume Control (Global Volume Unlock):

NOTE: Performing these instructions will set independent volume control for all programmed devices.

1.  On the remote control, press and hold **SETUP** until the last-selected device key blinks twice, then release **SETUP**.
2.  Enter **9 - 9 - 3**. The last-selected device key will blink twice.


3.  Press **VOL+** once. The last-selected device key will blink four times.

To Lock Volume Control To One Mode (Global Volume Lock):

*NOTE: The audio mode's volume controls are active regardless of Volume Lock settings. However, if you lock the volume controls to the **AUD** mode, you will have control of the audio device's volume in all other modes (i.e., **AUX**, **DVD**, **TV**, and **CBL**).*

1.  On the remote control, press and hold **SETUP** until the last-selected device key blinks twice, then release **SETUP**.
2.  Enter **9 - 9 - 3**. The last-selected device key will blink twice.


3.  Select a mode (e.g., **TV**) where you want to globally lock the volume controls. The selected device key will blink twice.
4. Now, when you press **VOL+**, **VOL-**, or **MUTE**, the volume of the selected device (e.g., **TV**) can be controlled regardless of mode.

TROUBLESHOOTING

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

SOLUTION: Replace the batteries with two (2) new AA alkaline batteries (see page 9).

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

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

PROBLEM: The 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 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 20).

PROBLEM: **PLAY** and **STOP** keys do not work on a Motorola DCT-2000 cable converter.

SOLUTION: Re-program the **CBL** key for cable code 0476 (see page 10, *Programming Device Control*)

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 device key blinks twice, then release. Next enter **9 - 9 - 2**. Then press and release the device key to be cleared twice.

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.

INSTRUCTIONS TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, 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 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 radio/TV technician for help.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. 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.

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 Atlas DVR/PVR 5-Device Universal Remote Control.

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

For help via e-mail, contact us at:
cablehelp@ueic.com

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M1055

08/04

MANUFACTURER'S CODES

Setup Codes For Audio Amplifiers:

Accuphase	0382
Acurus	0765
Adcom	1100,0577
Aiwa	0406
AudioSource	0011
Biamp	0582
Bose	0674
Carver	0269
Classe	1461,1462
Curtis Mathes	0300
Denon	0160
Digital Audio Control	0085
Durabrand	1561
Elan	0647
Forte	0606
GE	0078
GoldStar	0031
Harman/Kardon	0892,0106
JVC	0331
Kenwood	0356
Left Coast	0892
Lenox	1561
Linn	0269
Logitech	1408
Luxman	0165

Magnavox	0269
Marantz	0892,0321,0269
Mark Levinson	1483
McIntosh	0251
Nakamichi	0321
NEC	0264
Optimus	0395,0300
Panasonic	0308,0521
Parasound	0246
Philips	0892,0269
Pioneer	0300,0013
Polk Audio	0892,0269
RCA	0300
Realistic	0395
Sansui	0321
Shure	0264
Sony	0689,0220,0815
Soundesign	0078,0211
Technics	0521,0308
Victor	0331
Wards	0078,0013,0211
Yamaha	0354,0143,0133,0504

Setup Codes For Audio Receivers:

ADC	0531
Adcom	0616
Aiwa	1405,0158,0189,0121,0405,1388,1243,1641
Akai	1255,0224,0076,1512
Alco	1390
Amphion Media Works	1563
AMW	1563
Anam	1609,1074
Apex Digital	1430,1257
Arcam	1120
Audiotronic	1189
Audiovox	1390
Bose	1229,0639,1253
Cambridge Soundworks	1370
Capetronic	0531
Carver	1189,0189,0042,0008,0360
Casio	0195
Clarinette	0195
Classic	1352
Coby	1263,1389
Compaq	1136
Criterion	1420
Curtis Mathes	0080
Daewoo	1250
Dell	1383
Denon	1360,0004,1142,0771,0273

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MANUFACTURER'S CODES

Setup Codes For Audio Receivers (continued):

Emerson	0424
Fisher	0042, 1801, 0360, 0219
Garrard	0463, 0424
Gateway	1517
Glory Horse	1263
Go Video	1532
Harman/Kardon	0110, 0189, 0891
Hewlett Packard	1181
Hitachi	1273, 1801
Initial	1426
Inkel	0062
Integra	1298, 0135
JBL	0110, 1306
JVC	0074, 1263, 1495, 1374
Kenwood	1313, 1570, 1569, 0027, 0042, 0239, 0569, 0186, 0314, 1052, 0077, 0313, 1051
KLH	1390, 1428, 1412
Koss	1366, 0424
Lasonic	1798
Lenox	1437
Lexicon	1076
Linn	0189
Liquid Video	1497
Lloyd's	0195
LXI	0181
Magnavox	1189, 1269, 0189, 0531, 1514, 0128, 0391, 0195
Marantz	1189, 1269, 0039, 0189, 1289, 0128
MCS	0039, 0346
Mitsubishi	1393
Modulaire	0195
NAD	0320
Nakamichi	0347, 0097, 1555
NEC	0235
Norcent	1389
Onkyo	0135, 1298, 0842, 0380, 1531
Optimus	1023, 1074, 0080, 0186, 0670, 0042, 0181, 0531, 0801, 0177, 0219, 0738
Oritron	1497, 1366
Panasonic	1518, 0039, 0518, 1764, 0367, 1316, 1763, 0309, 1288, 1548
Penney	0195
Philco	1390
Philips	1189, 1269, 0189, 0391, 1266, 1120
Pioneer	1023, 0080, 0531, 1384, 0014, 0244, 0150, 0630
Polaroid	1508
Polk Audio	0189, 1289
Proscan	1254
Quasar	0039
RadioShack	1263

RCA	1023, 1609, 1254, 0054, 0360, 0346, 0531, 1154, 1511, 0080, 0530, 1074, 1390
Realistic	0163, 0195, 0181
Regent	1437
Rio	1869, 1383
Saba	1519
Samsung	1500, 1295
Sansui	0189, 0346, 0193
Sanyo	0219, 1469, 1251, 0801
Scott	0163, 0322
Sharp	1286, 0186
Sharper Image	1556, 1263
Sherwood	0062, 1077, 0502, 1653, 0491, 1423
Shinonic	1426
Sonic Blue	1869, 1532, 1383
Sony	1058, 1441, 1258, 1759, 0158, 1042, 1349, 1442, 1758, 0474, 1658, 1858, 0168, 1406, 1558
Soundesign	0670
Stereophonics	1023
Sunfire	1313, 1052, 0314, 0313
Teac	0463, 1390, 0163, 1267, 1074, 1528
Technics	1308, 1518, 0039, 0208, 0518, 0309
Thorens	1189
Venturer	1390
Victor	0074
Wards	0158, 0189, 0080, 0054, 0014
Yamaha	0176, 1331, 1176, 0186, 1375
Yorx	0195
Zenith	1293, 0857, 1869

Setup Codes For Cable Boxes (Converters):

ABC	0003, 0008, 0014, 0017
Americast	0899
Bell & Howell	0014
Bell South	0899
Clearmaster	0883
ClearMax	0883
Coolmax	0883
Digi	0637
Director	0476
Dumont	0637
General Instrument	0476, 0810, 0276, 0003
GoldStar	0144
Hamlin	0009, 0273
Jerrold	0476, 0810, 0276, 0003, 0012, 0014
Memorex	0000
Motorola	0476, 0810, 0276, 1254, 1106, 1376
MultiVision	0012
Pace	1877, 0237
Panasonic	0000, 0107

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MANUFACTURER'S CODES

Setup Codes For Cable Boxes (continued):

Panther	0637
Paragon	0000
Philips	0305, 0317
Pioneer	1877, 0877, 0144, 0533
Pulsar	0000
Quasar	0000
RadioShack	0883
Regal	0279, 0273
Runco	0000
Samsung	0144
Scientific Atlanta	1877, 0877, 0477, 0008, 0017
Sony	1006
Starcom	0003
Supercable	0276
Supermax	0883
Tocom	0012
Torx	0003
Toshiba	0000
Tristar	0883
V2	0883
Viewmaster	0883
Vision	0883
Vortex View	0883
Zenith	0000, 0525, 0899

Setup Codes For DVD Players:

Adcom	1094
Advent	1016
Aiwa	0641, 1912
Akai	0899, 0770, 1975, 1089
Allegro	0869
Amphion Media Works	2016, 2001
AMW	0872, 2016, 2001
Anam	1913
Apex Digital	0672, 0717, 0830, 1056, 1915, 0755, 0797, 1020, 1100, 0796, 1004, 1061, 1937, 0794
Audiologic	0736
Audiovox	1041, 1121, 1072, 1071, 1122
Axion	1072, 1071
B & K	0655, 0662
Blaupunkt	0717
Blue Parade	0571
Broksonic	0868, 0695
Cambridge Soundworks	1916
CAVS	1057
CineVision	0876, 0869
Classic	1917

Coby	1086,0778,1923,1107
Criterion	2007
Curtis Mathes	1087
CyberHome	1024,1023,0816,1117
Daewoo	0784,1918,0705,0869,0833
Denon	0490,0634
Dual	1068,1085
DVD2000	0521
Emerson	0591,0675,0821
Enterprise	0591
Fisher	0670,1919
Funai	0675
Gateway	1073,1077
GE	0522,0815,0717
Go Video	0744,1044,1970,0869,1099,0715,0833,1075,0783
GPX	0769,0699
Greenhill	0717
Harman/Kardon	0702,0582
Hitachi	0573,0664,1919
Hiteker	0672
Initial	0717,1931
Integra	0627,1924
Jamo	2003
Jaton	1078
JBL	0702,1926
Jensen	1016
JVC	0558,0623,1901,0867,1940
jWin	1051,1049
Kenwood	0490,0534,0737,0682
KLH	0717,1939,1020
Konka	0720,0719,0711,0721
Koss	0651
Landel	0826
Lasonic	0798
Lenoxx	1938
LG	0801
Liquid Video	1980
Lite-On	1058
Loewe	0511
Magnavox	0503,1914,0821,0675,1976
Malata	0782
Marantz	0539
Memorex	0695
Microsoft	0522
Mintek	0839,0717
Mitsubishi	1521,0521
Momitsu	1082
NEC	0785
Nesa	0717
Next Base	0826
Norcent	1003,1107,0872,1923

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MANUFACTURER'S CODES

Setup Codes For DVD Players (continued):

Onkyo	0503,0627,1985,1924,0792
Oritron	0651,1980
Panasonic	0490,1490,1908,1925,2017,1462,1907,1910,1990, 1362,1762,1909,1986,0632
Philco	2000
Philips	0503,0539,0646,1914,0885,0854
Pioneer	0525,0571,0632,1902
Polaroid	1086,1061,1998
Polk Audio	0539
Portland	0770
Prima	1016
Princeton	0674
Proscan	0522
ProVision	0778
Qwestar	0651
RCA	0522,0571,0717,1022,1974,0822,1965,1913
Regent	1938
Rio	0869
Rotel	0623
Rowa	0823
Saba	1977
Sampo	0698,0752
Samsung	0490,0573,0820,1932,1075,0899,1979
Sansui	0695
Sanyo	0670,1967,0873,0695
Sharp	0630,0752
Sharper Image	1117,1995
Sherwood	1043,0770,0633,1077
Shinsonic	0533,0839,1931
Sigma Designs	0674
Sonic Blue	0869,1970,1099
Sony	0533,1533,0864,1981,1934,1033,1904,2020,1903
Sungale	1074
Superscan	0821
SVA	1105,0860
Sylvania	0675,0821
Symphonic	0675
Teac	0809,1984
Technics	0490
Techwood	0692
Terapin	1031
Theta Digital	0571
Tivo	1996
Toshiba	0503,1988,1045,2006,0695,1996
Tredex	0799,0804,0803,0800
TYT	0705
Urban Concepts	0503
US Logic	0839

V Inc.	1064
Vocopro	1027
Xbox	0522
Xwave	1001
Yamaha	0490,0539,0545
Zenith	0503,0591,0869,2002,1906

Setup Codes For PVRs:

ABS	1972
Alienware	1972
CyberPower	1972
Dell	1972
Gateway	1972
Hauppauge	1992
Hewlett Packard	1972
Howard Computers	1972
HP	1972
iBUYPOWER	1972
Media Center PC	1972
Microsoft	1972
Mind	1972
Northgate	1972
Panasonic	0616
Philips	0739,0618
ReplayTV	0616,0614
Sonic Blue	0614,0616
Sony	1972,0636
Systemax	1972
Tagar Systems	1972
Tivo	0618,0739,0636
Toshiba	1972
Touch	1972
Viewsonic	1972
ZT Group	1972

Setup Codes For Satellite Receivers:

General Instrument	0869
Motorola	0869
Next Level	0869
Paysat	0724
Philips	0099
RadioShack	0869
Star Choice	0869
Star Trak	0180
Voom	0869

MANUFACTURER'S CODES (continued)**Setup Codes For TVs:**

A-Mark	0003
Abex	0032
Admiral	0093,0463
Advent	0761,0783,0842,0817,0815,1933
Adventura	0046
Aiko	0092
Aiwa	1914
Akai	0812,0702,0030,0672,1903
Alaron	0179
Albatron	0843,0700
Ambassador	0177
America Action	0180
Ampro	0751
Anam	0180
Anam National	0055
AOC	0030,0019,0185,0003,0052
Apex Digital	0748,0765,0879,0767,1943
Archer	0003
Audiovox	0451,0180,0003,0875,1952,0802,1951,0092,0623, 1937
Axion	1937
Belcor	0019
Bell & Howell	0154,0016
Bradford	0180
Brockwood	0019
Broksonic	0236,0463,0003,1905,1935,1929,1911,1938
Candle	0030,0056,0046,0186
Carnivale	0030
Carver	0054
CCE	0217
Celebrity	0000
Celera	0765
Changhong	0765
Citizen	0060,0030,1928,0039,0280,0056,0186,0046,0092
Clairtone	0185
Clarion	0180
Colt	1906
Concerto	0056
Contec	0180,0157,0185
Craig	0180
Crosley	0054
Crown	0180,0039
Curtis Mathes	0047,0054,0154,0451,0093,0060,0702,0030,0145, 0166,0016,1919,0466,1347,0039,0056,1147
CXC	0180
Daewoo	0451,1661,0092,0672,1928,0039,0623,1909,0019
Daytron	0019
Denon	0145,0511
Dumont	0017,0019

Durabrand	0463,0180,0178,0171,0003
Dwin	0774,0720
Electroband	0000,0185
Electrohome	0381
Elektra	0017,1661
Emerson	0154,0236,0463,0180,0178,0171,1909,0038,1929, 0185,0282,1905,0019,1928,0280,0623,1911,0039, 1944,0177,0179
Envision	0030,0813
Epson	0840,0833
Fisher	0154,0159
Fujitsu	0809,0683,0179,0853
Funai	0180,0171,0179,1904
Futuretech	0180
Gateway	1756,1755
GE	0047,0051,0451,0178,1447,0055,0282,1347,1917, 0021,1147,1907,1922,0135,1919,0027
Gibraltar	0017,0030,0019
GoldStar	0030,0178,0019,0001,0032,1926
Goodmans	0360
Grunpy	0180,0179
Haier	0768
Hallmark	0178
Harley Davidson	1904,0179
Harman/Kardon	0054
Harvard	0180
Havermy	0093
Hello Kitty	0451
Himitsu	0180,0628
Hisense	0748
Hitachi	1145,0145,0016,0056,0038,0151,0032,1904
Hyundai	0849
Infinity	0054
Inteq	0017
Janeil	0046
JBL	0054
JCB	0000
Jensen	0761,0817,0815,1933
JVC	0053,1253,1923
Kaypani	0052
KEC	0180
Kenwood	0030,0019
KLH	0765,0767
Kloss	0046,0024
Konka	0628,0703,1940,0638,1939,0632,0707
KTV	0180,0030,0280,0039,0217,0185
LG	1178,0856,0442
Lloyd's	1904
Loewe	0136
Logik	0016
Luxman	0056
LXI	0047,0054,0154,0156,0178

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MANUFACTURER'S CODES

Setup Codes For TVs (continued):

Magnasonic	1913, 1928
Magnavox	0054, 0030, 1454, 0706, 0179, 0386, 1931, 0024, 0096, 0187, 1254, 1913, 0020, 0186, 1904, 1944
Magnin	1907
Majestic	0016
Marantz	0054, 0030, 0854, 0704, 1154, 0855
Matsushita	0250, 0650
Megapower	0700
Megatron	0178, 0145, 0003
MEI	0185
Memorex	0154, 0463, 0150, 0178, 1911, 1926, 1924, 0179, 1920, 1927, 0016
MGA	0150, 0030, 0178, 1907, 0019
Midland	0047, 0017, 0051, 0039, 0135, 0032
Minutz	0021
Mitsubishi	0093, 0150, 1250, 0178, 0868, 0836, 1917, 0019
Monivision	0700, 0843
Motorola	0093, 0055
MTC	0060, 0030, 0056, 0185, 0019
Multitech	0180, 0217
NAD	0156, 0178, 0866
NEC	0030, 0056, 1704, 0019, 0497
Nikko	0030, 0178, 0092
Norcent	0748, 0824
Noshi	0018
NTC	0092
Onwa	0180
Optimus	0154, 0250, 0166, 1924, 1913, 0650, 1927
Optonica	0093, 0165
Orion	0236, 0463, 1905, 1929, 1911, 0179
Panasonic	0250, 0051, 0650, 1924, 1946, 1919, 1941, 0055, 1410, 1927, 1947
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0019, 0135, 1347, 0018, 1926, 0027, 0039, 0003, 1919, 0021, 0032, 1907
Philco	0054, 0030, 0019, 0020, 0096
Philips	0054, 1454, 0690, 1154
Pilot	0030, 0019, 0039
Pioneer	0166, 0038, 0866, 0679
Portland	0019, 0092, 0039
Prima	0761, 0817, 0815, 0783, 1933
Princeton	0717, 0700
Prism	0051
Proscan	0047, 1447, 1347, 1922
Proton	0178, 0052, 0003, 0466
Pulsar	0017, 0019
Quasar	0250, 0051, 0055, 0650, 1924, 0165, 1919
RadioShack	0047, 0154, 0180, 0030, 0178, 0165, 1904, 0019, 0039, 0032, 0056, 1920

RCA	0047,1447,1147,1917,0019,1948,0090,1047,1347, 1907,0018,1922,1958,0679,1247,1547,1919,0038, 1953,0135
Realistic	0154,0180,0030,0178,0056,0019,0039,0165,0032
Rhapsody	0185
Runco	0017,0030,0603,0497
Sampo	0030,0039,0032,1755,0052
Samsung	0060,0812,0702,0030,0178,0766,1060,0019,0056, 0814,0032,1903
Samsux	0039
Sansui	0463,1929,1911,1904
Sanyo	0154,0088,0159,1907,0146,0799
Scimitsu	0019
Scotch	0178
Scott	0236,0180,0178,0019,0179
Sears	0047,0054,0154,0156,0178,0171,0146,0159,0179, 0056,1926,1904
Sharp	0093,0689,0039,0165,0688,1917,0157,0491,0851, 0386
Sharper Image	1950
Sheng Chia	0093
Shogun	0019
Signature	0016
Simpson	0187,0186
Sony	1100,0000,0834,1925,0111,1904,0080
Soundesign	0180,0178,0186,0179
Spectricon	0003
Squareview	0171
SSS	0180,0019
Starlite	0180
Studio Experience	0843
Supre-Macy	0046
Supreme	0000
SVA	0748,0870,0587,0865,0872,0768,0871
Sylvania	0054,0030,0171,0020,0096,1931,0381,1944
Symphonic	0180,0171,1913,1904
Tandy	0093
Tatung	0003,1756,0055
Technics	0250,0051
Technol Ace	0179
Techview	0847
Techwood	0051,0056,0003
Teknika	0054,0180,0150,0060,0092,0039,0179,0019,0056, 0186,0016
Telefunken	0702,0056
Thomas	1904
TMK	0178,0177,0056
TNCi	0017
Toshiba	0154,0156,0060,1256,0832,1704,1936,0650,1156, 1656,1935,0845,1356,1918,1945
Tosonic	0185
Totevision	0039
Trical	0157

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MANUFACTURER'S CODES

Setup Codes For TVs (continued):

TVS	0463
Universal	0027
V Inc.	0864, 1756
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178, 0019
Viewsonic	1755, 0864, 0857
Viking	0046
Wards	0054, 0030, 0178, 0080, 0165, 0866, 0019, 0027, 0056, 0111, 0179, 0016, 0021, 0096, 1156, 0020
Waycon	0156
White Westinghouse	0463, 1909, 0623
Yamaha	030, 0839, 0019, 0833, 0769
Zenith	0017, 0463, 0178, 0092, 1904, 1929, 1911, 0016, 1909
Zonda	0003

Setup Codes For TV/VCR Combos:

Broksonic	0002, 0479 (for TV use 0463)
Citizen	0278
Colt	0072
Curtis Mathes	0035 (for TV use 0051)
Daewoo	0278 (for TV use 0624)
Emerson	0002, 0278 (for TV use 0624), 0479 (for TV use 0463)
Funai	0000
GE	0035 (for TV use 0051), 0048 (for TV use 0093), 0060 (for TV use 0047), 0240
GoldStar	0037 (for TV use 0056)
Harley Davidson	0000
Hitachi	0000
Lloyd's	0000
Magnasonic	0278
Magnavox	0000, 0081 (for TV use 0054)
Magnin	0240
Memorex	0037, 0162 (for TV use 0250), 1162
MGA	0240
Mitsubishi	0048 (for TV use 0093)
Optimus	0162 (for TV use 0250), 1162, 1262
Orion	0002, 0479 (for TV use 0463)
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250), 1162
Penney	0035 (for TV use 0051), 0037 (for TV use 0056), 0240
Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)
RCA	0035 (for TV use 0051), 0048 (for TV use 0093), 0060 (for TV use 0047), 0240

Sansui	0000,0479 (for TV use 0463)
Sanyo	0240
Sears	0000,0037 (for TV use 0056)
Sharp	0048 (for TV use 0093)
Sony	0000,0032 (for TV use 0000)
Sylvania	0081 (for TV use 0054)
Symphonic	0000,0563
Thomas	0000
White Westinghouse	0278 (for TV use 0624)
Zenith	0000

Setup Codes For VCRs:

ABS	1972
Admiral	0048,0209
Adventura	0000
Aiko	0278
Aiwa	0037,0000,0307,0124
Akai	0041,0106,0061,0175
Alienware	1972
America Action	0278
American High	0035
Asha	0240
Audiovox	0037,0278
Beaumarck	0240
Bell & Howell	0104
Broksonic	0184,0121,0209,0002,1479,0479
Calix	0037
Canon	0035
Capehart	0020
Carver	0081
CCE	0072,0278
Citizen	0037,0278,1278
Colt	0072
Craig	0037,0047,0240,0072,0271
Curtis Mathes	0060,0035,0162,0041,0760,1035
Cybernex	0240
CyberPower	1972
Daewoo	0045,0278,0020,0561,1278
Daytron	0020
Dell	1972
Denon	0042
DirecTV	1949,0739,1989,1954
Dish Network System	1943,1946,1945,1944
Dishpro	1943,1944
Durabrand	0039,0038
Dynatech	0000
Echostar	1944,1943,1946,1945
Electrohome	0037
Electroponic	0037
Emerex	0032

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MANUFACTURER'S CODES

Setup Codes For VCRs (continued):

Emerson	0037,0184,0000,0121,0043,0209,0002,0278,0061, 0208,0479,1479,1278,0561,1593
Euro	1962
Expressvu	1944
Fisher	0047,0104
Fuji	0035,0033
Funai	0000,1593
Garrard	0000
Gateway	1972
GE	0060,0035,0240,0760,1035,0807,0202,0761,1060
Go Video	0526,0432
GOI	1944
GoldStar	0037,0038,1237
Gradiente	0000
Harley Davidson	0000
Harman/Kardon	0081,0038
Harwood	0072
Hauppauge	1992
Headquarter	0046
Hewlett Packard	1972
HI-Q	0047
Hitachi	0000,0042,0041,0089,0105
Howard Computers	1972
HP	1972
HTS	1944
Hughes Network Systems	0042,0739,1949
Hyundai	1951
iBUYPOWER	1972
Jensen	0041
JVC	0067,0041,1945,0008,1944
KEC	0037,0278
Kenwood	0067,0041,0038
KLH	0072
Kodak	0035,0037
LG	2010
Lloyd's	0000,0208
Logik	0072
LXI	0037
Magnasonic	1278,0593
Magnavox	0035,0039,0081,0000,0149,1781,0593,0563
Magnin	0240
Marantz	0035,0081
Marta	0037
Matsushita	0035,0162,1162
Media Center PC	1972
MEI	0035
Memorex	0035,0162,0037,0048,0039,0047,0240,0000,0104, 0209,1037,1262,0479,1237,0307,0046,1162

MGA	0240,0043,0061
MGN Technology	0240
Microsoft	1972
Mind	1972
Minolta	0042,0105
Mitsubishi	0067,0043,0061,0807
Motorola	0035,0048
MTC	0240,0000
Multitech	0000,0072
NEC	0104,0067,0041,0038
Nikko	0037
Noblex	0240
Northgate	1972
Olympus	0035
Onkyo	0222
Optimus	1062,0162,0037,0048,0104,0432,1048,1262,0593, 1162
Orion	0184,0209,0002,1479,0479
Panarex	1950
Panasonic	1062,0035,0162,1035,1262,0616,1162,0225
Pansat	1950
Penney	0035,0037,0240,0042,0038,1035,1237
Pentax	0042,0105
Philco	0035,0479
Philips	0035,0081,0739,1949,0618,1181,1081
Pilot	0037
Pioneer	0067
Polk Audio	0081
Portland	0020
Profitronic	0240
Proscan	0060,0202,1060,0761,0760,1954
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035,0162,1162,1035
RadioShack	0000,1037
Radix	0037
Randex	0037
RCA	0060,0240,0042,0149,0807,1060,1989,0105,0202, 0761,1035,1964,0760,0880,1954,0106
Realistic	0035,0037,0048,0047,0000,0104,0046
ReplayTV	0616,0614
Runco	0039
Samsung	0240,0045,1014
Sanky	0048,0039
Sansui	0000,0067,0209,0041,1479,0479,0271
Sanyo	0047,0240,0104,0159,0046
Scott	0184,0045,0121,0043
Sears	0035,0037,0047,0000,0042,0104,1237,0046,0105
Sharp	0048,0807,0848

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MANUFACTURER'S CODES

Setup Codes For VCRs (continued):

Shintom	0072
Shogun	0240
Singer	0072
Sonic Blue	0616,0614
Sony	0035,0032,0033,0000,1972,1032,1957,0636,1956,1232
STS	0042
Sylvania	0035,0081,0000,0043,0593,1781,1593
Symphonic	0000,1593,0593
Systemax	1972
Tagar Systems	1972
Tatung	0041
Teac	0000,0041
Technics	0035,0162
Teknika	0035,0037,0000
Thomas	0000
Tivo	0739,1957,0636,1956,0618,1503
TMK	0240,0208
Toshiba	0045,0043,1145,1008,1972,0845,1503
Totevision	0037,0240
Touch	1972
UltimateTV	1989
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045,0061
Videomagic	0037
Videosonic	0240
Viewsonic	1972
Villain	0000
Wards	0060,0035,0048,0047,0081,0240,0000,0042,0072,0149,0760
White Westinghouse	0209,0072
XR-1000	0035,0000,0072
Yamaha	0038
Zenith	0039,0033,0000,0209,1479,0479
ZT Group	1972