



# AT6400<sup>™</sup> AllTouch<sup>®</sup> IR Universal Remote Control

User's Guide

## Where Do I Start?

Before you begin using your remote, complete the following initial setup tasks.

#### **Install the Batteries**

The remote requires two AA batteries (alkaline recommended). A diagram in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed

### Visit the Quick Reference Section

Use the Quick Reference section of this guide to familiarize yourself with the remote and the functions of its various keys. Knowing the function and location of the keys on the remote will assist you when you are programming the remote.

#### Program the Remote

To learn how to program your remote, refer to the sections What Devices Can I Control What Devices Do I Want to Control, and Program the Remote to Control My Devices for further instructions

#### Find a Place to Store Your Remote

Keeping up with one remote is much easier than keeping up with four or five remotes. However, it is still a good idea to find a storage location for your remote. The AT6400 is not a toy. It should be kept out of the reach of children under the age of 6 years.

## Program the Remote to Control My Devices

Your remote is initially programmed to only operate your set-top. You will need to set up the remote to operate your other devices using its TV, DVD, and AUX modes. The TV key may be programmed to operate a standard or high-definition television (HDTV). The DVD key may be programmed to operate a DVD player. The AUX key may be programmed to operate a VCR, a receiver, an amplifier, or a Home Theater in a Box (HTIB) system If the remote provides only limited functionality for a device, you can look for a code that provides more functionality. Refer to the code tables at the end of this guide to locate additional programming codes.

Note: You have the option to assign some remote keys to operate one device type only. For example, you may want to assign volume control to the TV only. If this is the case, you can reprogram power, volume, and channel control using procedures found later in this guide.

#### Assigning a Device Code to a Mode Key

1. Refer to the code tables at the end of this guide to locate the information for the device you want to

Note: If your device is not listed, you may be able to program the remote using the Auto-Search function. Go to What If None of the Codes Work for

- 2. Turn on the device that you want to assign to a mode
- 3. Press and hold the appropriate mode key (TV, DVD, or AUX) on the remote, and then press and hold the OK key.
- 4. Release both keys and the mode keys blink twice.

- 5. Enter the first 4-digit setup code for the device using the numeric keys (0-9) on the remote. The mode key blinks three times to indicate that the code entry was accepted. Notes:
- . When an invalid code is entered, the selected mode key displays a long flash to indicate that vou have not entered the code correctly.
- · Should the remote time-out before you complete the code setup, you must start over. This is indicated by one long flash of the red LED.
- 6. Point the remote at the device, and press **POWER** to test the device.
- 7. Did the device power off?
- . If ves, write this code number in the table found in this guide. You may need it again if the device code is accidentally erased.
- If no, repeat this procedure from step 3 using a different setup code
- Note: If none of the codes listed for your brand of device operate the device correctly, go to What If None of the Codes Work for
- 8. Repeat this procedure for each mode key you want to

# What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, or if your device is not listed in the codes table, you can use the Auto-Search function to search through the code library for a valid code. This section provides procedures for using the Auto-Search function to search the code library for TV DVD and AUX mode codes.

Note: Read the procedures in this section thoroughly before beginning. You need to be prepared to observe the behavior of the remote.

## **Auto-Search Features**

Consider the following items when using Auto-Search: · The Auto-Search function begins searching from the

- · If a valid code is not found, the green backlight blinks twice and the remote returns to normal operation.
- Exit without saving the code Press the EXIT · If any other key is pressed except PLAY, ENTER, key on the remote. The selected mode key flashes POWER, EXIT, REW, FF, or numeric keys 1 through three times and returns to normal operation 4 (when programming the AUX mode key), the mode
- key displays a long red flash (error message) and the remote returns to normal operation.
- · Should the remote time-out before you complete the Auto-Search function you must start over. This is indicated by one long flash of the red LED.
- · If the device is not listed and the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

#### Auto-Searching the Code Library for TV or DVD Mode Codes (Program Code 922)

Note: This procedure only applies to TVs and DVDs.

- 1. Turn on the device you that you want to assign to the TV or DVD key.
- 2. Point the remote at the device.
- 3. Press and while holding a selected mode key (TV or DVD), press the OK key. For example, to search for a TV code, press and hold TV and OK at the same
- 4. Release both keys and all the mode keys blink twice.
- 5. Enter the programming code 9 2 2 by pressing the numeric keys on the remote. The mode key you selected in step 3 blinks twice to indicate a successful
- 6. Point the remote toward the device, and press PLAY.
- 7. Your device powers off when it finds the correct code. Then, choose one of the following options:
- Save code and exit Press the ENTER key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.

#### • Step forward - Press the fast-forward (FF) key on the remote to step ahead through the codes one at a time. Then, return to step 6.

Send the current code – Press the POWER key

device turns back on, press the ENTER key. If

· Continue with auto-search function - Press the

PLAY key on the remote to continue with the

Auto-Searching the Code Library for

AUX Mode Codes (Program Code 922)

3. Press and while holding the AUX key, press the OK

4. Release both the AUX key and the OK key and all

5. Enter the programming code 9 2 2 by pressing the

6. Press the PLAY key, choose one of the following

numeric keys on the remote. The AUX key blinks

device categories and then, using the number keys on

the remote, press its assigned number (1 - 4) based

Note: The device categories are number-coded to

7. Point the remote toward the device, and press PLAY.

provide a more direct programming method.

1. Turn on the device that you want to assign to the

AUX key.

2. Point the remote at the device.

the mode keys blink twice.

on the following list:

2 = Receiver/Tuners

3 = Amplifiers

1 = VCRs

twice indicating a successful entry.

auto-search function. Then, return to step 6.

on the remote to send the current code. If the

the device does not turn on, return to step 6.

at a time. Then, return to step 6

- Step backward Press the rewind (REW) key on the remote to step back through the codes one
  - Step forward Press the fast-forward (FF) key on the remote to step ahead through the codes one at a time. Then, return to step 7

successful entry.

8. Your device powers off when it finds the correct code.

. Save code and exit - Press the ENTER key or

the mode key flashes three times indicating

the remote to program the code in the remote and

Then, choose one of the following options:

- Step backward Press the rewind (REW) key on the remote to step back through the codes one at a time. Then, return to step 7.
- Exit without saving the code Press the EXIT key on the remote. The selected mode key flashes three times and returns to normal operation
- Send the current code Press the POWER key on the remote to send the current code. If the device turns back on, press the ENTER key. If the device does not turn on, return to step 7.
- Continue with auto-search function Press the PLAY key on the remote to continue with the auto-search function. Then, return to step 7.

# Reassign Mode Keys

You can reassign a mode key to operate a different device. For example, you can reassign the AUX key to operate a DVD player or a TV. If you reassign a key, be sure you update the table found in this guide.

### Reassigning Mode Keys (Program Code 944)

- 1. Press and hold the STB mode key on the remote. 2. Without releasing the STB key, press and hold the
- 3. Release both the keys and all mode keys flash twice.
- 4. Enter the programming code 9 4 4 by pressing the
- numeric keys on the remote. The STB mode key blinks twice indicating a successful entry
- 5. Press and release the mode key associated with the type of device you want to control, and then press and release the mode key that you want to change. The newly assigned mode key blinks one time indicating a successful entry.

### Some common examples

- To program the AUX key to operate your DVD player, press **DVD** and then **AUX**.
- · To program the DVD key to operate your TV, press TV and then DVD.

# **Change Volume Control**

By default, once the TV mode key is programmed with a valid code, the volume and mute buttons control your TV. These keys adjust the volume of your TV higher, lower, or temporarily switch the volume off (Mute), regardless of whether the remote is in STB, TV, DVD, or AUX mode.

If you prefer, you can choose to have the volume and mute buttons always control a different device rather than your TV, such as a home theater receiver, (See Controlling Volume for One Device below.) Note that you must first program one of the mode keys, such as AUX, with a valid code for that device.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want to control the volume on your TV when in TV mode, but the volume on your home theater receiver when in AUX mode. (See Controlling Volume for Different Devices below.) Note that not all devices have volume controls, so if you choose this option, the volume and mute buttons may do nothing in some modes, such as STB and DVD.

# **Controlling Volume for One Device**

(Program Code 955)

- 1. Press and hold the **STB** mode key on the remote.
- 2. Without releasing the STB key, press and hold the OK key. 3. Release both keys and all mode keys blink twice.
- 4. Enter the programming code 9 5 5 by pressing the number keys on the remote. The STB mode key blinks twice indicating a successful entry.

5. Press and release the mode key for the device you want the volume keys to control. For example, if you want to control volume through your TV, press and release TV. The selected mode key blinks three times to indicate a successful entry.

The volume keys now control only one device whether you are in STB, TV, DVD, or AUX mode.

### **Controlling Volume for Different** Devices (Program Code 955)

- 1. Complete steps 1 through 4 of the Controlling Volume for One Device procedure
- 2. Press and release the Enter key. The STB mode key blinks three times to indicate a successful entry.

After you press the Enter key, the volume keys control the device assigned to that mode. For example, in TV mode, the volume keys control volume for the TV only

- · If any other key is pressed except the Mode keys and the ENTER key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.
- If the remote times out before you complete programming volume control, the remote does not accept any changes. You must start over from step 1 of this procedure.

### Change Channel Control The remote is set by default to control channel selection

on the set-top. You can also program channel control to control any of the TV, DVD, or AUX mode devices provided the device allows for channel control assignment Or, you can set the channel selection control programming to control channels (or page up or down) for all of the devices programmed in the four mode keys. Otherwise, you can only control channels (or page up or down) on a specific device, for example, the TV or DVD.

Note: The channel control keys include CH / Page, Jump, and the numeric keys 0 through 9.

#### **Controlling Channels for One Device** (Program Code 966) 1. Press and hold the STB mode key on the remote.

- 2. Without releasing the STB key, press and hold the
- OK kev.
- 3. Release both keys and all mode keys blink twice
- 4. Enter the programming code 9 6 6 by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
- 5. Press and release the mode key for the device you want the channel key to control. For example, if you want to control channels on your TV, press and release TV. The selected mode key blinks three times to indicate a successful entry.

The channel key now always controls the device associated with the mode you selected in this procedure. whether in STB, TV, DVD, or AUX mode.

#### **Controlling Channels for Different** Devices (Program Code 966)

- 1. Complete steps 1 through 4 of the Controlling Channels for One Device procedure.
- 2. Press and release the Enter key. The STB mode key blinks three times to indicate a successful entry.

After you press the Enter key, the channel key now controls the device associated with the mode key you select. For example, in TV mode, the channel key controls the TV, but in STB mode, the channel key controls the set-top.

# · If any other key is pressed except the Mode keys

- and the ENTER key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal If the remote times out before you complete
- programming channel selection control, the remote does not accept any changes. You must start over from step 1 of this procedure.

# Welcome to the Ultimate Control Experience

Your new AT6400™ AllTouch® Infrared (IR) Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your set-top, your TV, and two other devices, such as a DVD player and VCR.

## Important Information About Your Remote

operate your set-top. Therefore, you must program the remote to operate your TV, VCR, or other devices. See Program the Remote to Control My Devices to learn how to enter device codes and program your remote.

sight of the set-top to operate the set-top correctly

# How Does A Universal Remote Control Work?

to operate using the four keys arched across the top of the remote. These keys, known as mode kevs, are labeled STB, TV, DVD, and AUX. Each mode key is associated with a specific device. As an example, after programming the remote, if you want the remote to operate your TV, you simply press the TV key. Other keys you press on the remote, thereafter, should operate your TV. Want to switch the remote to operate a different device? Just press the mode key for the next device you want to operate. In this guide, you will learn which types of devices you can control and how to program the remote to control your

Ö 🗓 Ö`

MENU QUEMNS

INTERACT OF

GUDE

Ø 0 0

CLEAR SPACE ENTER

(i)

**2** 

**4** 

Enables set-top mode functions

Turns devices on or off

Enables TV mode functions



**Device Control** 



- · In STB mode, these keys control DVR and VOD
- . In DVD and AUX modes, these keys may control your DVD or VCR depending on how you have programmed the remote

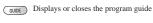




Accesses INTERACT (Internet and Turns MultiScreen mode on or off



Displays text information about the selected



Jumps to next section or switches to last



watching TV. Moves up or down one page in the program guide and in some menu screens

# **Sound Control**

Note: These keys are assigned to the TV when the TV mode key is programmed with a valid code.



Adjusts volume

# Mutes sound **Numeric Keys**

Enters channel numbers, text, and remote codes. Also use to enter your parental control PIN



Clears text and numbers in text fields Enters and saves (stores) an entry

# What Devices Can I Control?

The four mode keys arched across the top of the remote tell the remote which device you want to operate



Each mode key is associated with different types of devices. You can use each mode key to control one of its associated devices:

Associated Devices

STB IP gateway set-top TV\*TVs (including HDTVs) DVD\* DVD players

Mode Kev

AUX\*

guide for instructions.

Theater in a Box (HTIB) \*These keys can be reassigned to control different devices. Go to the Reassign Mode Keys section of this

VCRs, receivers, tuners, and Home

During programming, if the remote times out before you complete the code setup, you will need to start over. This is indicated by one long flash of the red LED

# Control?

To help you keep track of the devices you want to

control, list the type of devices you have (including brand) in the following table. Then, use the code tables at the end of this guide to locate the codes for your device. For example, look under TV Group if vou need to program the remote to operate your TV. If you have two devices that use the same key, you must reassign the TV, DVD, or the AUX key. The STB key cannot be reassigned. Go to Reassign Mode Keys. Otherwise, go to Program the Remote to Control My Devices for additional instructions

Mode Key	Device Type	Brand	Code
Example: DVD	DVD	Sony	2066
STB			
TV			
DVD			
AUX		·	

# Your remote is initially programmed to only

Note: You must use the IR remote within line of

You tell the remote which type of device you want

## **Quick Reference**

Device

DVR/VOD/

DVD/VCR

Viewing

Browsing

Keys

T12129

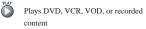
Enables DVD mode functions

Enables AUX mode functions

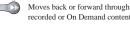
DVR, VOD, DVD, VCR Control

Stops DVD, VCR, VOD, or recorded

Pauses DVD, VCR, VOD, or recorded

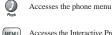


Scrolls through available TV or video input

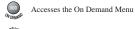


Skips back or forward through ecorded or On Demand content

## Viewing and Browsing Control

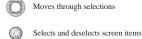


Accesses the Interactive Program Guide (IPG)



Accesses the DVR list of recordings





Clears all menu screens and returns to broadcast TV



Accesses the search menu



Selects the next channel, up or down, when

# **LED Indicators**

There are red LEDs underneath each of the four mode keys (STB, TV, DVD, and AUX) that flash each time a key is pressed to show which device the key is

There are also green LEDs that illuminate several keys whenever the remote is in use. They stay illuminated for a short time after a key is pressed

# What Devices Do I Want to

Mode Key	Type	Brand	Code
Example: DVD	DVD	Sony	2066
STB			
TV			
DVD			
AUX			

## Change Power Control

The POWER key on the remote is set by default to control the power switch on one device at a time, in either mode (STB\_TV\_DVD\_or AUX). When in STB mode, the remote switches the set-top from OFF (standby mode) to ON, or from ON to OFF (standby mode). However, you can alternatively program the POWER key to control the power switch on up to four devices at the same time, instead of controlling one device at a time. It is highly recommended that you set up the POWER key to turn on and off your set-top and your TV at the same time. Turning off the set-top saves electricity and extends the life of the box. When turned off, the set-top can still record scheduled programs on its DVR and perform any other necessary functions.

#### **Controlling Power for Multiple Devices at Once (Program Code 977)**

- 1. Press and hold the **STB** mode key on the remote.
- 2. Without releasing the STB key, press and hold the OK kev.
- 3. Release both keys and all mode keys blink twice.
- 4. Enter the programming code 9 7 7 by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.
- 5. For the first device, press the STB key. The STB mode key blinks twice.
- 6. For the second device, press the applicable mode key (TV, DVD, or AUX). The selected mode key blinks
- 7. Repeat step 6 for up to two more devices (total of four devices).
- 8. Press the ENTER key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

Example: In an example scenario where you press only TV in steps 6 and 7, the POWER key controls both the set-top and the TV at the same time, regardless of which mode the remote is in (STB, TV, DVD, or AUX).

### Controlling Power for One Device at a Time (Program Code 977)

- 1. Complete steps 1 through 4 of the Controlling Power for Multiple Devices at Once procedure
- 2. Press the ENTER key to complete the power switch control programming. The last selected mode key blinks 3 times to indicate a successful entry.

After you select a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

- · If any other key is pressed except the Mode keys and the ENTER key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal
- · If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

## Put It Back the Way I Got It

You can return all advanced functions back to their original settings by resetting the remote to factory default settings. Resetting the remote to factory default settings removes all of the programming you have entered for the remote. You must reprogram the remote to restore your original settings.

#### **Resetting the Remote to Factory Default Settings (Program Code 900)**

- 1. Press and hold the STB mode key on the remote. 2. Without releasing the STB key, press and hold the
- OK key.
- 3. Release both keys and all mode keys blink twice.
- 4. Enter the programming code 9 0 0 by pressing the numeric keys on the remote. The STB mode key blinks four times to indicate you have successfully reset the remote to factory default settings.

- · If any other key is pressed except the numeric keys, the remote does not accept any changes or updates The STB mode key displays a long red flash and the remote returns to normal operation.
- · If the remote times out before you complete the factory default reset procedure, the remote does not accept any changes. You must start over from step 1 of this procedure.

### Troubleshooting

If there is no response when you press the keys on the remote, please check the following items before calling for service.

#### Check the Batteries

- · Are the batteries inserted correctly
- · Check the battery condition for leakage.
- · Replace with new alkaline batteries.

#### Check the Device

- · Is the device's power cord connected to the power outlet?
- · Is the device switched on?

#### Check the IR Database Codes List

Is the device brand name for the device listed in the

- If yes and there is more than one code listed, try using a different code to provide more functionality
- · If no, try the following:
- Use the Auto-Search function to find a usable code.
- If the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

## **Code Tables**

If the remote does not recognize your device, you can find codes for your device by brand name. With combination devices (such as a TV with a built-in DVD player), there are separate codes for each device emponent. Therefore, for ease of use, the combination device codes are listed first. All other code tables in this section are organized by the devices assigned to each mode (TV, DVD, and AUX).

# **Combination Device Codes**

If you have a combination device, you may need to reassign the AUX key to operate one of the devices, for example, the VCR. The following tables provide some examples of combination devices. If your combination device is not listed, simply look for the codes for each separate device.

## TV/DVD Combo Codes

Br

rand	TV	DVD	
x	1163	2095	
csonic	1114	2053	
	1115, 1162	2063, 2099	
sui	1122	2071	
ania	1150	2092	
niba	1116	2054	

## TV/VCR Combo Codes

Brand	TV	VCR	
Broksonic	1121	3081	
GE	1164	3090	
Quasar	1165, 1166	3091, 3092	
RCA	1167, 1168	3093, 3094	
Samsung	1161	3089	
Sylvania	1145	3095	
Toshiba	1006	3096	
Zenith	1118	3097	_

## TV/DVD/VCR Combo Codes

Brand	TV	DVD	VCR
Panasonic	1123, 1152	2075, 2076	3087, 3086
RCA	1151	2077	3106
Sharp	1153	2086	3100
Sylvania	1027, 1124	2064, 2078	3105, 3088
Toshiba	1154, 1158	2093, 2094	3099, 3098

Brand	DVD	VCR
Broksonic	2072	3082
Daewoo	2062	3076
Emerson	2073	3083
Go Video	2046, 2127, 2129	3066, 3110, 3109
Hitachi	2126	3117
JVC	2047, 2097	3067, 3118
Panasonic	2066	3078
Philips	2051	3071
Polaroid	2007	3111
RCA	2048	3068
Samsung	2049, 2074, 2085	3069, 3084, 3101
Sanyo	2050	3070
Sony	2065, 2067	3104, 3085
Toshiba	2080, 2084	3103, 3102
Zenith	2052, 2128	3072, 3119

# TV Group

ex	1098
lmiral	1001, 1099
lvent	1005, 1053, 1110, 1113
lventura	1100
ko	1015
wa	1034
ai	1002
leron	1044
ntron	1036
am National	1003, 1036
C	1004, 1005
ex	1111, 1119, 1163
diovox	1036
lcor	1004
ll & Howell	1001, 1045
nq	1042
adford	1036
oksonic	1114, 1121
okwood	1004
ndle	1004, 1007, 1100
lebrity	1002
izen	1004, 1007, 1015, 1036, 1073, 1097, 1100
ortyme	1004
ncerto	1004
iig	1036
oslev	1000, 1053
own	1036, 1053
rtis Mathes	1000, 1004, 1014, 1045, 1073, 1097
C	1036
ewoo	1004, 1005, 1013, 1015, 1016, 1097, 1106
ytron	1004, 1007
nensia	1000
mont	1160
natech	1004
	1004
ctroband	
ctrohome	1002, 1003, 1004, 1018, 1021
ierson	1004, 1011, 1013, 1025, 1028, 1031, 1033, 1036, 1044,
	1045, 1080, 1097, 1101, 1102, 1107
vision	1004
her	1043, 1045, 1047, 1103
itsu	1044, 1029
nai	1036, 1044
uretec	1036
teway	1038
	1000, 1003, 1004, 1008, 1021, 1048, 1049, 1063, 1068
	1094, 1144, 1164
oralter	1160
ldstar	1004, 1005, 1011, 1018, 1050, 1090, 1091, 1097, 1098
inpy	1036, 1044
lmark	1004
rvard	1036

	1102
IMA	1036
Infinity	1053
Janeil	1100
JBL.	1053
JCB	1002
JC Penney	1000, 1004,1005, 1007, 1012, 1021, 1048, 1049, 1058,
	1063, 1068, 1072, 1073, 1075, 1097, 1098
Jensen	1004
JVC	1011, 1012,1026, 1049, 1052,1054, 1055, 1080, 1092,
	1117, 1131
Kawasho	1002, 1004
Kenwood	1004, 1018
Kloss Novabeam	1036, 1056, 1057, 1100
KTV	1036, 1097, 1101
LG	1005
Loewe	1053
Logik	1001
Luxman	1004
LXI	1000, 1004, 1045, 1053, 1058, 1068, 1075
Magnavox	1004, 1007, 1018, 1053, 1056, 1057, 1059, 1060, 1083,
	1110, 1147
Majestic	1001
Marantz	1004, 1051, 1053
Megatron	1004, 1051
Memorex	1001, 1004, 1005, 1022, 1045
MGA	1004, 1005, 1018, 1021, 1047, 1061, 1062
Midland	1049, 1068, 1097, 1098, 1160
Minutz	1048
Mitsubishi	1004, 1005, 1018, 1021, 1047, 1061, 1062, 1081
Montgomery Ward	1001
Motorola	1003, 1099
MTC	1004, 1005, 1073
Multitech	1036
NAD	1004, 1058, 1075, 1085
NEC	1003, 1004, 1005
Net-Tv	1040
NT1 1	1004 1015

1003, 1004, 1007, 1011, 1017, 1018, 1053, 1056, 1057

1000, 1003, 1004, 1005, 1008, 1018, 1049, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1082, 1102, 1104, 1106,

1004, 1005, 1011, 1014, 1018, 1019, 1072, 1073, 1074,

1004 1007 1018 1027 1053 1056 1057 1059 1060

1108, 1115, 1151, 1162, 1167, 1168

1097, 1098, 1156, 1161

1023, 1107, 1122 1045, 1062, 1095, 1103

1158, 1159

1056, 1057, 1059, 1060, 1063, 1064

1000, 1045, 1098

TV Codes, continued

# DVD/VCR Combo Codes

# TV Code

V Code	es s	Runco
,	1098	Sampo
iral	1001, 1099	Samsung
ent	1005, 1053, 1110, 1113	
entura	1100	Sansui
	1015	Sanyo
1	1034	Scotch
	1002	Scott
ron	1044	Sears
ron	1036	Demo
n National	1003, 1036	Sharp
ii i vauonai	1004, 1005	ышр
	1111, 1119, 1163	Shogun
iovox	1036	Signature
OF SOVE	1004	Simpson
& Howell	1001, 1045	Sony
	1042	Soundesig
ford	1036	Squarevie
	1114, 1121	SSS
sonic		Starlite
wood	1004	Supre-Ma
	1004, 1007, 1100	Supre-ivia Supreme
brity		Sylvania
en	1004, 1007, 1015, 1036, 1073, 1097, 1100	Sylvania
rtyme	1004	0 1
certo	1004	Symphoni
	1036	Tandy Tashiko
ley	1000, 1053	
vn	1036, 1053	Tatung
is Mathes	1000, 1004, 1014, 1045, 1073, 1097	Technics
	1036	Techwood
W00	1004, 1005, 1013, 1015, 1016, 1097, 1106	Teknika
ron	1004, 1097	
ensia	1000	Tera
ont	1160	TMK
atech	1004	Toshiba
troband	1002	
trohome	1002, 1003, 1004, 1018, 1021	Totevision
rson	1004, 1011, 1013, 1025, 1028, 1031, 1033, 1036, 1044,	Universal
	1045, 1080, 1097, 1101, 1102, 1107	Victor
sion	1004	Vidtech
er	1043, 1045, 1047, 1103	Viking
su	1044, 1029	Vizio
i	1036, 1044	Wards
retec	1036	
way	1038	White We
	1000, 1003, 1004, 1008, 1021, 1048, 1049, 1063, 1068,	Yamaha
	1094, 1144, 1164	Zenith
alter	1160	
lstar	1004, 1005, 1011, 1018, 1050, 1090, 1091, 1097, 1098	
ру	1036, 1044	
mark	1004	

#### HDTV Codos

Apex	1088	
Daewoo	1135	
Dell	1141, 1142, 1146	
Mitsubishi	1032	
Philips	1126, 1129	
Proscan	1000	
RCA	1143	
Sampo	1038	
Samsung	1019	
Sony	1037, 1128, 1137	
Zenith	1020, 1139	

#### LCD TV Codes

Plasma TV Codes		
1046		
1138		
1040		
1136		
	1040 1138 1046	

Acer	1041	
Fujitsu	1029	
Gateway	1038	
Pioneer	1035	
Viewsonic	1038, 1149	

Hitachi	1030, 1132, 1133, 1134
JVC	1130, 1131
Panasonic	1140
Toshiba	1127

2001, 2056, 2057, 2061, 2095, 2098

# **DVD Group DVD Codes**

Blaupunkt

Clarion	2100
Classic	2101
Cyberhome	2083
(Portable DVD)	
Daewoo	2058, 2062, 2137, 2138
Denon	2110, 2133, 2040
Emerson	2002, 2059, 2073
Fisher	2112, 2134
Funai	2002
GE	2079, 2118, 2041
Go Video	2046, 2127, 2129
Go Video	2124
(Network DVD)	
GPX	2114
Harmon Kardon	2125
Hitachi	2000, 2027, 2126
Irradio	2149
JVC	2017, 2028, 2047, 2090, 2096, 2097, 2115
Kenwood	2142, 2148
Konka	2029, 2030
Koss	2060
Lasonic	2081
Magnavox	2002, 2018, 2033, 2089
Marantz	2143
Memorex	2003
Mintek	2004
Mitsubishi	2019, 2123, 2145, 2147
NAD	2059, 2139
Nakamichi	2116
Nexxtech	2140
Norcent	2005, 2117
Onkyo	2006
Oritron	2009
Panasonic	2031, 2066, 2075, 2076, 2104, 2105, 2106, 2111
Philips	2018, 2032, 2033, 2045, 2051, 2091, 2109
Pioneer	2008, 2021
Polaroid	2007
Proscan	2010, 2118, 2144
Qwestar	2009
RCA	2010, 2048, 2063, 2077, 2099, 2107, 2118
RCA	2055
(Portable DVD)	
Sampo	2119
Samsung	2012, 2049, 2074, 2085, 2102
Sansui	2071
Sanyo	2034, 2050, 2120
Sharp	2013, 2015, 2044, 2086
Sharp	2082
(Portable DVD)	a-170/a-
Sherwood	2121
Sony	2014, 2020, 2022, 2065, 2067, 2068, 2069, 2070, 2087,
same y	
Sylvania	2103, 2108, 2113 2002, 2064, 2078, 2092
Sylvania Techwood	2002, 2064, 2078, 2092
Toshiba	2023, 2025, 2037, 2038, 2040, 2041, 2054, 2080, 2084,
m 12	2088, 2093, 2094
Toshiba	2135
(Portable DVD)	2011
Venturer	2011
Yamaha	2106, 2146

2039, 2052, 2128

### **AUX Group**

## **Amplifier Codes**

Aiwa	6003, 6020
Carver	6002
Citizen	6026
Denon	6014
isher	6002
GE	6028
Goldstar	6016, 6021
Harman Kardon	6013
litachi	6034
VC	6018, 6024
Kenwood	6015, 6022
Maganvox	6035
Marantz	6000
Nakamichi	6012
NEC	6033
Onkyo	6005, 6006, 6017
Optimus	6008
anasonic	6001
Pioneer	6004, 6009, 6010, 6023, 6036
roton	6035
Quasar	6001
RCA	6025
Sharp	6029, 6030, 6031, 6032
Sherwood	6011
Sony	6020
Геас	6019
Technic	6001
Technics	6001
Toshiba	6027
Victor	6024
ramaha	6007

### Home Theater in a Box (HTIB) Codes

Brand	Audio	DVD
Bose	4000	2130
JBL	4001	2043
JVC	4002	2035
Koss	4003	2060
Onkyo	4004	2024
Panasonic	4005	2104
Philips	4006	2036
Pioneer	4007	2016
RCA	4008	2042
Sony	4009, 4010	2113, 2108
Venturer	4011	2011
Receiver/	Tuner Codes	

Sony	4009, 4010	2113, 2108
Venturer	4011	2011
Receiver	Tuner Codes	
Aiwa	5000, 5001, 5002, 5004, 50	005, 5006
Bose	5007	
Bose	5007	
(Tuner/CD Combo	)	
Carver	5000	
Denon	5008	
Harman Kardon	5000, 5009	
JBL	5009	
JVC	5010	
Kenwood	5011, 5012, 5013	
Linn	5000	
Maganvox	5000	
Marantz	5000	
Onkyo	5018	
Panasonic	5019, 5020	
Philips	5000	
Pioneer	5021, 5022	
RCA	5024, 5025, 5026	
Sansui	5000	
Sherwood	5027	
Sony	5017, 5023, 5028,5029, 50	30, 5031, 5032, 5033
Technics	5016, 5019, 5020	
Wards	5000, 5021	
Yamaha	5003, 5014, 5015,5021	
VCR Co	des	
Admiral	3001	
Adventura	3021	
Aiwa	3021	
Akai	3003, 3055, 3058	

Audio Dynamics	3005, 3006
Bell & Howell	3007
Broksonic	3081, 3082
Candle	3011, 3013, 3014
Canon	3016
Carver	3036
Citizen	3011, 3013, 3014
Colortyme	3005
Curtis Mathes	3000, 3005, 3014
Daewoo	3011, 3013, 3021, 3076
DBX	3005, 3006
Dimensia	3000
Dynatech	3021
Electrohome	3023
Emerson	3003, 3011, 3021, 3023, 3038, 3083
Fisher	3007, 3029, 3030
Fuji	3058
Funai	3002, 3021
Garrard	3021
GE	3000, 3059, 3090
Go Video	3066, 3073, 3109, 3110
Goldstar	3005, 3014
Gradiente	3021
Harley Davidson	3021
Harman Kardon	3005
Headquarter	3007
Hitachi	3052, 3055, 3059, 3117
JC Penney	3005, 3006, 3007, 3030, 3036, 3052

#### VCR Codes, continued

Jensen	3055
JVC	3005, 3006, 3007, 3014, 3055, 3060, 3067, 3118
Kenwood	3005, 3006, 3007, 3014, 3055, 3060
Lloyd's	3021
Magnavox	3036, 3037, 3051, 3061
Marantz	3005, 3006, 3007, 3014, 3036
Memorex	3001, 3004, 3007, 3021, 3051
MGA	3023, 3038
Minolta	3052
Mitsubishi	3023, 3038, 3039, 3060, 3108
Montgomery Ward	3001
Motorola	3001
Multitech	3021
NEC	3005, 3006, 3007, 3014, 3055, 3060
Optimus	3001
Optonica	3047
Orion	3004
Panasonic	3053, 3062, 3063, 3077, 3078, 3079, 3086, 3087, 3107
Pentax	3052, 3059
Pentex Research	3014
Philco	3036, 3037
Philips	3036, 3047, 3061, 3071
Pioneer	3006, 3060
Polaroid	3111
Portland	3013
Proscan	3000
Pulsar	3051
Quarter	3007
Quartz	3007
Quasar	3062, 3091, 3092
Radio Shack	3001, 3047
Radio Shack/Realisti	c 3007, 3021, 3023, 3029, 3047,
RCA	3000, 3003, 3040, 3041, 3042, 3052, 3059, 3062, 3068,
	3075, 3093, 3094, 3106
Realistic	3001, 3007, 3011, 3021, 3023, 3029, 3047
Ricoh	3064
Runco	3051
Samsung	3011, 3069, 3084, 3089, 3101
Sanky	3001, 3051
Sansui	3004, 3006, 3055, 3060
Sanyo	3007, 3070
Scott	3011, 3038

3011, 3029, 3030, 3038, 3096, 3098, 3099, 3102, 3103

3005, 3006, 30

#### · Reorient or relocate the receiving antenna, if applicable.

**Device Program Codes** 

codes here for easy reference:

• DVD: \_\_\_\_\_

AUX: \_\_\_

FCC Compliance

United States FCC Compliance

This device 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 such interference in a residential installation. This equipment

generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it 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

If you program codes to control devices, record your

™ TV:\_\_\_\_\_

STB: \_\_\_\_\_

Increase the separation between the equipment and receiver

the interference by one or more of the following measures

- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- · Consult the cable company or an experienced radio/television

Any changes or modifications not expressly approved by Scientific-Atlanta, Inc., could void the user's authority to operat

The information shown in the FCC Declaration of Conformity paragraph below is a requirement of the FCC and is intended to supply you with information regarding the FCC approval of this device. The phone numbers listed are for FCC-related auestions only and not intended for questions regarding the connection or operation for this device. Please contact your cable service provider for any questions you may have regarding the operation o installation of this device.



# PC Declaration of Conformity

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: 1) the device may not cause harmful interference, and 2) the device must accept any interference received, including interference that may cause undesired operation

AllTouch RF and IR Universal Remote Control AT640 5030 Sugarloaf Parkway Lawrenceville, Georgia 30044 USA Telephone: 770-236-1077

#### Canada EMI Regulation

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la class B est conforme à la norme NMB-003 du Canada.

# **Scientific Atlanta**

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770.236.5000 www.scientificatlanta.con

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Remote Control Part Number 4012519 (Linux version) User's Guide Part Number 4013053 Rev C