

# *Home Theater Controller*

For the AVR30  
Audio and Video Receiver

**harman/kardon**

OWNER'S MANUAL  
AND PRODUCT CODE BOOK



## *Introduction*

The Home Theater Controller (HTC) is an intelligent answer to operating multi-unit, multi-remote, multi-brand, audio/video equipment that is used with the AVR30 Audio and Video Receiver. This simplified remote allows for easy control of the AVR30 through the on-screen menu while giving convenient control of other products used in your home theater setup. The HTC is so simple that within a matter of moments, the convenience of a single easy-to-use remote for your home theater equipment can be realized.

The HTC's memory is pre-loaded with the functions of virtually any video remote-controlled product in today's market. Unlike other "universal" or "learning" remotes, the HTC has already been taught what it needs to know. Through the use of simple three-digit codes, you can customize the HTC to operate the equipment being used with the AVR30. Simple directions for setting up your Home Theater Controller are given in this manual under the heading "Getting Started".

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### **PRODUCT CODES**

TV . . . . .	7
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## *Getting Started*

Install the four (4) "AAA" batteries into the back of the remote by removing the small battery cover and installing the batteries according to the diagram provided.

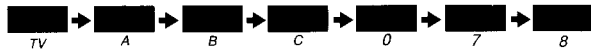
To use the harman/kardon AVR30 Home Theater Controller (HTC) for your other remote controlled components, simply load the product codes for the components connected to the AVR30 into the HTC. The following section explains how to load the appropriate product codes.



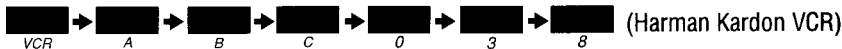
# Entering "Product Codes"

## It's as easy as A, B, C ... 1, 2, 3!

1. Look up your TV (VCR, Cable Box, or Laser Disc Player) in the Product Code section of this manual. You will find your product's 3-Digit Product Code listed by manufacturer. For example, one of the Magnavox TV codes is 054.
2. To enter the code for a Harman Kardon TV projector, press:



3. When the LED blinks twice, you're locked in. To test the code operation press the Power Key, and confirm that the TV turns on.
4. If the 3-Digit Code you choose does not operate your device properly, try one of the other codes listed in the Product Code section for your particular brand of TV, VCR, Cable Box or Laser Disc Player.
5. Repeat these easy steps for your other devices, but substitute the appropriate device key. For example:



6. If your device still does not respond properly, then please follow the steps outlined on the next page of this manual.

# If Your Device Does Not Respond

After trying all the code numbers for your manufacturer's device without success, you can search the library. The correct control codes may already be in your Home Theater Controller, but listed under a different manufacturer. Sometimes manufacturers will put their brand name on products made by others. The Home Theater Controller gives you an opportunity to search the entire library of product codes to find yours.

For example, to start the search process for your TV:

1. Turn on the TV.
2. Aim the Home Theater Controller at your TV.
3. Press: A → B → TV → C → POWER\*
4. Alternate between C and Power until the TV turns off.\*\*
5. Then just press A and you're locked in. **IMPORTANT** - When the TV turns "off", don't forget to press the "A" key to lock in your device.
6. After locking in your product code, it is a good idea to write down the product code number for use in re-loading the remote if the batteries go dead.

To find out what product code number you just selected using the library search routine above, press the "A" key and the device key (TV, VCR, LD, or Cable) you wish to check. The LED will blink two times. Now press "1" and count the number of times the LED blinks. This corresponds to the first digit on the left ("hundreds"). Then press "2" to count the blinks representing the middle digit ("tens"). Finally press "3" to get the last digit on the right ("ones"). Note that the LED will not blink if the digit is zero. This is the three digit code of the device selected (TV, Cable, LD or VCR).

7. Repeat this procedure for your other components but substitute the appropriate device key.

Press: A → B → VCR → C → PLAY (for your VCR)

A → B → CABLE → C → POWER (for your cable box)

\*Some devices do not have power on/off remote keys, so use the Play key to identify your device.

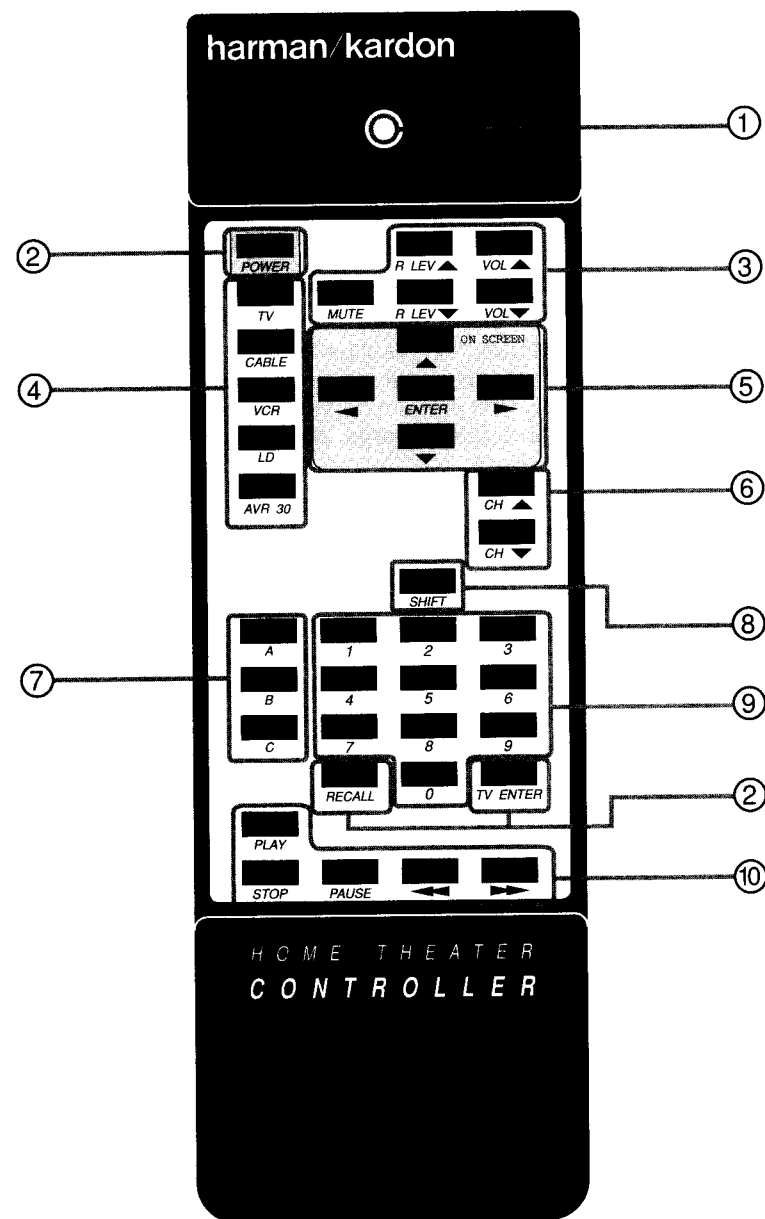
Press: A → B → VCR → C → PLAY

\*\*You may have to repeat the C → POWER\* sequence up to 40 or even 50 times, so be patient. It only takes a moment.



# Home Theater Controller

- LED** - The LED will flash during each key press operation of the Home Theater Controller (HTC).
- Power, Recall, and TV Enter** - These keys act similarly in function to the original remote function keys.
- Volume, Rear Level and Mute** - These keys control the Master Volume, rear speaker level and muting function of the AVR30 only. The keys work regardless of which device is currently selected.
- TV, CABLE, VCR, LD, and AVR30** - These device keys select the home entertainment device to be controlled. For example, pressing the TV key allows the HTC to control all of the functions of your TV. The AVR30 device key only needs to be pressed when controlling AVR30 power on/off or the AVR30 AM/FM tuner that is controlled with the CH▲ CH▼, shift (A-B) and 0-8 number keys.
- Enter, ◀, ▶, ▼, and ▲** - The AVR30 on screen menu keys control the major functions of the AVR30. Details on use of the On Screen Menu are given in the AVR30 owner's manual. The On Screen Menu keys work regardless of which device is currently selected.
- CH ▲, CH ▼** - These keys control the channel up/down function on the cable converter, TV or the AM/FM tuning on the AVR30.
- A, B, and C** - These keys are used to enter Product Codes into the memory of the HTC during initial setup.
- Shift** - This key is used to switch between the A and B bank of AM/FM tuner presets on the AVR30. The AVR30 device button must be selected before this function can be accessed.
- 0 thru 9** - The number keys perform all of the TV and Cable functions of your original remote and also allow for selection of tuner presets on the AVR30. The AVR30 device key must be selected before tuner control can be accessed.
- PLAY, STOP, PAUSE, ◀▶** - These keys are used to control the Video Cassette Recorder (VCR) and Laser Disc Player (LD) transports.



## IF YOU HAVE PROBLEMS SUCH AS...

The red light on top of your remote does not blink when a button is pressed.

Please replace the batteries with four (4) fresh "AAA" Alkaline batteries. Fresh batteries are required for proper operation.

You can't seem to get the Home Theater Controller to operate your device.

1. Try all the codes listed under the manufacturer of your device in the product code section of this manual.
2. Try searching the library (see section "If Your Device Does Not Respond"). Step through the whole library. Make sure that when you press Power or Play you are aiming the Home Theater Controller at your device. The libraries are large, so please be patient as you scan through each.

*Your TV (or other device) responds to some of the commands, but they cause the wrong thing to happen.*

Unfortunately, many devices use very similar remote control codes. While searching the library, you may have locked on to a similar code for which some commands work okay, but others don't. This is easy to cure. Simply start the library search cycle over again. Keep progressing through the library until you discover the code that is completely correct. This may take more than one try.

*For any problems not covered . . .*

In the USA or Canada, please call Harman Kardon customer service representatives at:

**1-800-394-3000**

## PRODUCT CODES FOR TELEVISIONS

BRAND	3 DIGIT CODES
Anam . . . . .	180
Anam National . . . . .	055
AOC . . . . .	019, 030, 052
Candle . . . . .	030, 046, 056, 186
Capehart . . . . .	052
Citizen . . . . .	030, 039, 046, 056, 060, 092, 186
Concerto . . . . .	056
Contec . . . . .	180
Craig . . . . .	180
Crown . . . . .	039
Curtis Mathes . . . . .	030, 039, 060
CXC . . . . .	180
Daewoo . . . . .	019, 039, 092
Daytron . . . . .	039
Electrohome . . . . .	039
Emerson . . . . .	039, 177, 178, 179, 180, 181, 236, 270, 280, 282
Envision . . . . .	030
Fisher . . . . .	154, 159
Fortress . . . . .	093
Fujitsu . . . . .	179
Funai . . . . .	179, 180
Futuretech . . . . .	180
GE . . . . .	021, 022, 027, 029, 047, 048, 051, 055, 178, 282
Goldstar . . . . .	019, 039, 056, 178
Hallmark . . . . .	178
Harman Kardon TV Projector . . . . .	078
Hitachi . . . . .	038, 039, 056, 140, 145, 151
Infinity . . . . .	008, 023, 054
JBL . . . . .	008, 023, 054
JVC . . . . .	053
Kenwood . . . . .	030
Kloss . . . . .	046, 078
Kloss Novabeam . . . . .	024
KTV . . . . .	039, 180, 280
Logik . . . . .	016
Luxman . . . . .	056
LXI . . . . .	008, 023, 047, 048, 054, 148, 154, 156
Magnavox . . . . .	008, 020, 023, 024, 028,



## PRODUCT CODES FOR TELEVISIONS

BRAND	3 DIGIT CODES
Marantz . . . . .	008, 023, 030, 054
Memorex . . . . .	016, 154
MGA . . . . .	019, 030, 150, 178
Mitsubishi . . . . .	150, 019, 178
MTC . . . . .	019, 030, 056, 060
Multitech . . . . .	217
NAD . . . . .	156, 166
NEC Unified . . . . .	030, 019, 056, 170
Novabeam . . . . .	078
Onwa . . . . .	180
Optonica . . . . .	093, 165
Panasonic . . . . .	008, 022, 023, 051, 054, 055
Penney . . . . .	018, 019, 021, 030, 039, 047, 048, 060, 135
Philco . . . . .	008, 019, 020, 023, 024, 028, 030, 054, 186
Philips . . . . .	000, 008, 023, 054
Pioneer . . . . .	038, 166, 172
Portland . . . . .	019, 039
Proton . . . . .	031, 039, 052, 178
Pulsar . . . . .	017
Quasar . . . . .	022, 051, 055
Radio Shack . . . . .	039, 165, 180
RCA Unified . . . . .	047, 048, 018, 019, 029, 038, 135, 254
Realistic . . . . .	154
Sampo . . . . .	030, 052
Samsung . . . . .	019, 030, 039, 056, 060
Sanyo . . . . .	154, 159
Scott . . . . .	039, 179, 180, 236
Sears . . . . .	047, 048, 056, 148, 154, 156, 159, 178, 179
Sharp . . . . .	039, 093, 165
Signature . . . . .	016
Sony Unified . . . . .	000, 080
Soundesign . . . . .	178, 180, 186
SSS . . . . .	019, 180
Supre-Macy . . . . .	046

## PRODUCT CODES FOR TELEVISIONS

BRAND	3 DIGIT CODES
Sylvania . . . . .	008, 020, 023, 024, 028, 030, 054, 065, 186
Tandy . . . . .	093
Tatung . . . . .	055
Technics . . . . .	022, 051
Techwood . . . . .	056
Teknika . . . . .	016, 019, 039, 046, 056, 060, 092, 150, 179, 180, 186
Tera . . . . .	031
TMK . . . . .	056, 178
Toshiba . . . . .	060, 154, 156
Totevision . . . . .	039
Universal . . . . .	021, 027
Vector Research . . . . .	030
Victor . . . . .	053
Vidtech . . . . .	019, 178
Viking . . . . .	046
Wards . . . . .	008, 016, 019, 020, 021, 023, 027, 028, 029, 030, 054, 096, 165, 178, 179
Yamaha . . . . .	019, 030
Zenith . . . . .	017, 016

## PRODUCT CODES FOR VCRs

BRAND	3 DIGIT CODES
Aiwa . . . . .	000
Akai . . . . .	041, 061, 242
Broksonic . . . . .	184, 211
Canon . . . . .	035
Capehart . . . . .	020
Craig . . . . .	047, 240
Curtis Mathes . . . . .	035
Daewoo . . . . .	020, 045, 278
Daytron . . . . .	020
Dynatech . . . . .	000
Emerson . . . . .	000, 002, 037, 061, 121, 184, 211, 212, 294, 295

### PRODUCT CODES FOR VCRs

BRAND	3 DIGIT CODES
Fisher . . . . .	047, 054, 066, 104
Funai . . . . .	000
GE . . . . .	035, 060, 065
Go Video . . . . .	232, 279
Goldstar . . . . .	018, 037, 038
Harman/Kardon . . . . .	038, 075
Hitachi . . . . .	000, 041, 042, 065, 105
JCL . . . . .	035
Jensen . . . . .	041
JVC . . . . .	008, 041, 067, 206, 207
Kenwood . . . . .	041, 046, 067
Lloyd . . . . .	000
Logik . . . . .	072
LXI . . . . .	037
Magnavox . . . . .	035, 055, 081, 110
Marantz . . . . .	035, 038, 055, 081
Marta . . . . .	037
MEI . . . . .	035
Memorex . . . . .	000, 035, 037, 039, 047, 048, 104
MGA . . . . .	043, 061
Minolta . . . . .	042, 105
Mitsubishi . . . . .	043, 061, 075, 214, 242
MTC . . . . .	000, 240
Multitech . . . . .	000, 072
NAD . . . . .	058
NEC . . . . .	038, 040, 041, 067
Optonica . . . . .	048, 062
Panasonic . . . . .	035, 077, 162, 254
Penney . . . . .	035, 038, 040, 042, 240
Pentax . . . . .	042, 065, 105
Philco . . . . .	035
Philips . . . . .	035, 055, 062, 081, 110
Pilot . . . . .	037
Pioneer . . . . .	058, 067, 168
Portland . . . . .	020
Pulsar . . . . .	039
Quartz . . . . .	046
Quasar . . . . .	035

### PRODUCT CODES FOR VCRs

BRAND	3 DIGIT CODES
RCA . . . . .	060, 035, 042, 065, 077, 105, 202
Realistic . . . . .	000, 035, 037, 046, 047, 048, 062, 066, 104, 240
Ricoh . . . . .	034
Samsung . . . . .	045, 240
Sansui . . . . .	041, 067
Sanyo . . . . .	046, 047, 104
Scott . . . . .	121, 184, 210, 212
Sears . . . . .	037, 042, 046, 047, 054, 066, 104, 105
Sharp . . . . .	048, 062
Shintom . . . . .	072
Sony . . . . .	032, 033, 034
STS . . . . .	042
Sylvania . . . . .	035, 043
Symphonic . . . . .	000
Tandy . . . . .	000
Tatung . . . . .	041
Teac . . . . .	000, 041
Technics . . . . .	035
Teknika . . . . .	000, 035, 037
Toshiba . . . . .	043, 045, 066, 210, 212
Totevision . . . . .	037, 240
Unitech . . . . .	240
Vector Research . . . . .	038, 040
Victor . . . . .	008, 067
Video Concepts . . . . .	040, 061
Videosonic . . . . .	240
Wards . . . . .	000, 035, 042, 047, 048, 062, 072, 212, 240
Yamaha . . . . .	038, 041
Zenith . . . . .	039, 033, 034

### PRODUCT CODES FOR LASER DISC PLAYERS

BRAND	3 DIGIT CODES
Aiwa . . . . .	203
Denon . . . . .	172

### PRODUCT CODES FOR LASER DISC PLAYERS

BRAND	3 DIGIT CODES
Aiwa . . . . .	203
Denon . . . . .	172
Funai . . . . .	203
Kenwood . . . . .	258
Mitsubishi . . . . .	059
NAD . . . . .	059
Pioneer . . . . .	059
Realistic . . . . .	203
Sharp . . . . .	237
Sony . . . . .	193, 201
Yamaha . . . . .	044, 217, 237

### PRODUCT CODES FOR CABLE CONVERTERS

BRAND	3 DIGIT CODES
ABC . . . . .	011, 013, 017
Antronix . . . . .	207
Archer . . . . .	207
Comtronics . . . . .	040, 060
Eagle Comtronics . . . . .	040
Gemini . . . . .	015, 057, 070
General Instruments . . . . .	011
Hamlin . . . . .	020, 259, 273
Hitachi . . . . .	011
Jerrold . . . . .	003, 011, 014, 015
Memorex . . . . .	000
Oak . . . . .	019
Panasonic . . . . .	021
Paragon . . . . .	000
Philips . . . . .	060
Pioneer . . . . .	144
Pulsar . . . . .	000
RCA . . . . .	021
Realistic . . . . .	207
Regal . . . . .	020, 259, 273, 279
Rembrandt . . . . .	070
Samsung . . . . .	040, 144
Scientific Atlanta . . . . .	008, 017, 277

### PRODUCT CODES FOR CABLE CONVERTERS

BRAND	3 DIGIT CODES
Signal . . . . .	040
Signature . . . . .	011
SL Marx . . . . .	040
Sprucer . . . . .	021, 307
Starcom . . . . .	003, 015
Stargate . . . . .	015, 040
Tocom . . . . .	012, 013
Toshiba . . . . .	000
Unika . . . . .	207
United Cable . . . . .	003
Universal . . . . .	207
Viewstar . . . . .	060
Zenith . . . . .	000



## **harman/kardon**

Service and Parts Office:  
240 Crossways Park West, Woodbury,  
New York 11797 (516) 496-3406  
Corporate Office:

**H** 8380 Balboa Boulevard, Northridge, CA 91325  
A Harman International Company

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