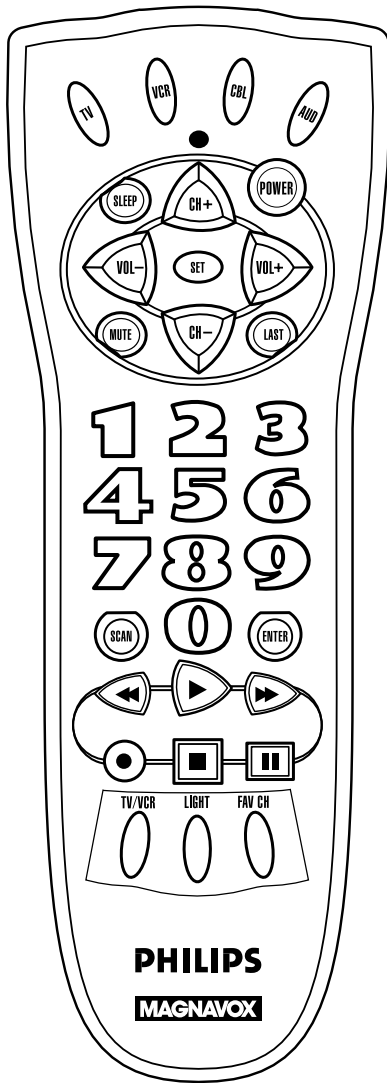


# PHILIPS MAGNAVOX

## 4 Function with Back Lighted Keypad Universal Remote

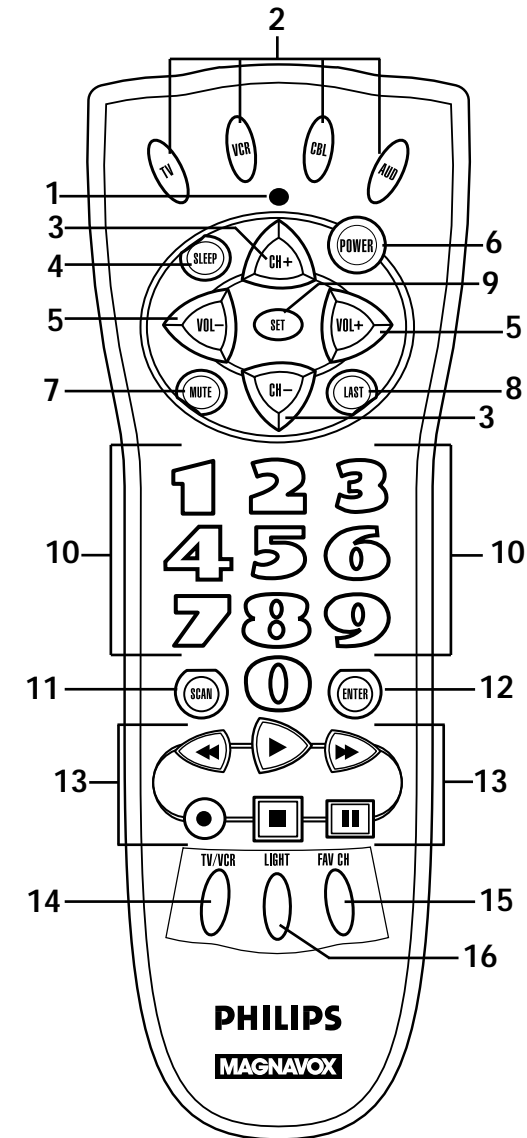


Instructions . . . . .	2
Instrucciones . . . . .	10
Instructions . . . . .	19

Thank you for purchasing a Philips Magnavox 4 device universal remote control. This universal remote control will operate your Television, Video Cassette Recorder, DVD, Cable Converter Box or Audio Receiver/Amplifier. Before you can use your new remote control, you will need to program it to operate the specific components you wish to control. This remote features:

- Channel Scan, a convenient way to "channel surf" by scanning channels.
- Auto Scan code search to help program remote control for a variety of components, including older/discontinued models.
- Built-in Sleep Timer.
- Controls for basic functions, including Power, Channel Selection, Volume, Play and Record.

### KEYS AND FUNCTIONS



**1 Red Indicator Light**

The Red Indicator Light blinks to show that the remote control is working and also provides feed back during programming sequences.

**2 Component Keys**

Press **TV**, **VCR**, **CBL** or **AUD** once to select a home entertainment component to control.

**3 CH Keys**

Use **CH+** (or **CH-**) to select the next higher (or lower) channel for the selected home entertainment component.

**4 SLEEP Key**

Press **SLEEP** to activate your TV's internal sleep timer (not available for all TVs) or to program timer.

**5 VOL Keys**

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

**6 POWER Key**

Press **POWER** once to turn on or off the selected home entertainment component.

**7 MUTE Key**

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

**8 LAST Key**

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

**9 SET Key**

Use **SET** for all programming sequences.

**10 Keypad**

Use the keypad (**0-9**) to directly enter in channels (for example, 09 or 31). The keypad is also used for all programming sequences, such as entering in your programming codes.

**11 SCAN Key**

Press **SCAN** once to change channels every 3 seconds. Press it again to stop the scan.

**12 ENTER**

Use **ENTER** once after entering channel numbers on some TV models.

**13 VCR Transport Keys**

Use the VCR Transport Keys to control your VCR. Press **REC** twice to record a tape.

**14 TV/VCR**

Press **TV/VCR** once to view VCR playback or TV through the VCR.

**15 FAV CH Key**

Use to pre-program up to 10 favorite channels.

**16 LIGHT Key**

Press **LIGHT** once to turn on or off the keypad backlight.

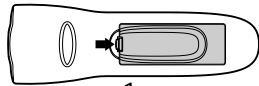
**SETTING UP YOUR REMOTE CONTROL**

Before using your new remote control, you will need to obtain and install new batteries, as described below. Then you'll also need to program the remote control with the correct code numbers for your specific components. See instructions starting on page 4.

**ABOUT BATTERIES**

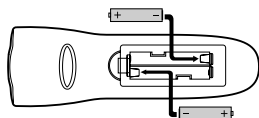
Note: The remote requires two (2) new "AA" alkaline batteries (not supplied). Do not mix old and new batteries or mix alkaline with manganese-type batteries.

**Installing Batteries**



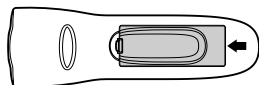
1

1. On the back of the remote control, push the tab and lift the battery compartment cover off.



2

2. Match the + and - marks on the batteries to the + and - marks in the battery case and insert two (2) "AA" alkaline batteries.



3

3. Press the battery cover back into place. The tab should click when the cover is locked.

4. Test the unit by pressing **POWER** and any Component key (e.g., **TV**, **VCR**, **CBL**, etc.). If the batteries are inserted correctly the red indicator light will blink once.

**Battery Saver**

The remote has a *Time Out* feature that will automatically deactivate the remote control if a key is depressed for more than 30 seconds. This feature will help conserve the battery life should your remote control get stuck in a place where keys remain depressed (e.g., between the sofa cushions).



**Replacement and Code Saver**

When the batteries need replacing the remote control will stop working and will require two (2) new "AA" alkaline batteries for continued operation. Once you remove the old batteries, program settings and codes will be saved for 10 minutes, allowing adequate time to insert new ones.

**However**, if you do not replace the batteries within the allotted time (e.g., 10 minutes), you will have to reprogram the remote control.

**USING THE LIGHTED KEYPAD**

When activated, the remote control features a lighted keypad that illuminates all of the remote control keys whenever you press any key.

-  To turn on the keypad back light, press **LIGHT** once. The keypad will remain lit for 5 seconds after you release any key.
-  To turn off the keypad back light, press **LIGHT** once again. (The keypad will not light whenever you press any key.)

**PROGRAMMING YOUR REMOTE CONTROL**

**Philips/Magnavox Components**

The remote control can control up to three different components and is already pre-programmed for use with newer Philips/Magnavox audio/video equipment. Unless you want to change a factory setting, skip the programming instructions and simply start using your new remote control.

**Programming Other Components**

To control component brands other than Philips/Magnavox, you'll need to perform the following steps to manually program the remote with codes listed under Manufacturer's Codes on pages 28 through 37. Or as an alternative, you can use the Auto Scan feature, on page 5, to program your component codes.

The following chart lists the remote component keys and what type of device each key will control:

Key	Programmed to Control
TV	TV
VCR	VCR or DVD
CBL	Cable Box
AUD	Amplifier/Receiver



**NOTE:** If you want the component keys to control other types of devices, you'll need to reassign the component keys. See page 5.


**IMPORTANT:** Please completely read and review the following steps before proceeding. We recommend highlighting the codes (starting on page 28), for the brands you wish to program or writing them down in the supplied chart.

**Setup Codes for My components**

TV	—	—	—	—
VCR	—	—	—	—
CBL	—	—	—	—
AUD	—	—	—	—

**To Manually Program the Remote Control:**

- Manually turn on a component (e.g., TV, VCR, etc.) and, if applicable, insert media (e.g., cassette).
-  On the remote control, press a component key once (e.g., **TV**, **VCR**, **CBL**, or **AUD**).
-  Press and hold **SET** (approximately 5 seconds) until the red light blinks twice, then release **SET**.
- Enter the first four-digit code for your brand of component. If performed correctly, the red light will blink twice.




5.  Aim the remote control at the component and press **POWER ONCE**. It should turn off. If it does not respond, repeat steps 2 and 3, trying each code for your brand until you find one that works. If it still does not work, try using Auto Scan (see below) on how to program your component.
6. Repeat steps 1 through 5 for each component you want to program into the remote control.

**NOTES:** Press each key within 10 seconds of the previous entry. Otherwise, the remote control will exit the programming mode.

If you press **SET** at any time (except during step 3), the remote control will exit the programming mode without saving your entries. You will have to start with step 1 to begin programming again.


### Programming With Auto Scan

If your component does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code using **Auto Scan**. For example, to search for a code for a TV:

1.  On the remote control, press **TV** once.
2.  Press and hold **SET** until the red light blinks twice, then release **SET**.
3.  Aim the remote control at the TV and press **SCAN**. The red light will blink twice.
4. Continue aiming the remote control at the TV (which may take up to 5 minutes) until it turns off. Immediately press any key except **VOL-**, **LAST**, **SCAN**, or **SET**.

If **SCAN** is pressed again after any key stops **Auto Scan**, the remote will continue **Auto Scan** of the next ID from where it stopped.





If you have passed by the code that turns off the TV, press **VOL-** one or more times until the TV turns on again.

5.  To lock in the code and exit Auto Scan, press and release **SET** the red light will blink twice.
6. To search for codes of other components, repeat steps 2 through 5, but substitute the appropriate key (e.g., **VCR**, **CBL**) for the (VCR or Cable) component you are searching for.

**NOTES:** In the search mode, the remote will send IR (infrared) codes from its library to the selected device, starting with the most popular code first.

### Checking the Auto Scan Codes

If you have set up the remote control using **Auto Scan**, you can now find out which four-digit code is operating your component:




1.  On the remote control, press a component key once (e.g., **TV**, **VCR**, **CBL** or **AUD**).
2.  Press and hold **SET** until the red light blinks twice, then release **SET**.
3.  Enter **9-9-0**. The red light will blink twice.
4.  To view the code for the first digit, press **1** once. Wait 3 seconds, count the red light blinks (e.g., 3 blinks = 3) and write down the number.

**NOTE:** If a code digit is "0", the red light will not blink.





5. Repeat step 4 three more times for remaining digits. Use **2** for the second digit, **3** for the third digit and **4** for the fourth digit.
6. To find codes of other components, repeat steps 1 through 5, but substitute the appropriate key (e.g., **VCR** or **CBL**) for the component you are checking. As before, write down each four-digit code.

### Re-Assigning Component Keys

The remote can be set up to control any combination of four home entertainment components. By following these instructions, you can re-assign or duplicate a component key onto an unused component key.

1.  Press and hold **SET** until the red light blinks twice, then release **SET**.
2.  Enter **9-9-2**. The red light will blink twice.
3.  Press the Component key (e.g., **TV**, **VCR**, etc.) to be moved once, then press the Component key (e.g., **AUD**, etc.) to be re-assigned once. When re-assignment is done, the red light will blink twice to confirm your choice.
4. The re-assigned key is now ready to be programmed for the component. See *Programming Your Remote Control* on page 4.

**Example** – Re-assigning The **AUD** key to be a DVD (Or VCR) key: For example, to have the remote control a TV, a Cable Converter, and two VCRs, you will need to re-assign the unused **AUD** key to operate the second VCR as follows:

1.  Press and hold **SET** until the red light blinks twice, then release **SET**.
2.  Enter **9-9-2**. The red light will blink twice.
3.  Press **VCR** once.
4.  Then press **AUD** once. When re-assignment is done, the red light will blink twice to confirm your choice.
5. The **AUD** key is now ready to be programmed for your DVD (or VCR) player. See *Programming Your Remote Control* on page 4.




## ABOUT OTHER FEATURES

### Volume Lock

The remote control is set at the factory to control the volume independently while in the TV, VCR, and CBL modes.




To control the volume from one mode (e.g., **TV**) while in another mode (e.g., **VCR** or **CBL**), perform the instructions below to lock the volume setting. This procedure will not affect separate control of your audio component's volume in the **AUD** modes.

**NOTE:** By pressing **AUD** before entering the sequence below, the remote control will operate your home theater volume controls in all modes. This feature does not apply to component keys that have been re-assigned.

1.  On the remote control, press **TV** once.
2.  Press and hold **SET** until the red light blinks twice, then release **SET**.
3.  Press **VOL+**. The red light will blink twice.


### Scan Key




The **SCAN** key allows the remote control to scan the TV, VCR and CBL channels. When activated, the remote control will change channels every 3 seconds.

1.  On the remote control, press **TV**, **VCR** or **CBL** once.
2.  Press **SCAN** once. Scanning will start with the current channel, then proceed to the next channel up, and continue until all channels of your TV, VCR or CBL component are scanned.
3.  To stop scanning channels, press **SCAN**.

### Favorite Channel Scan

The **FAV CH** Key can be pre-programmed with up to 10 of your favorite channels and scans these only.

1.  On the remote control, press a component key once (e.g., **TV**, **VCR**, **CBL**).

2.  Press and hold **SET** until the red light blinks twice, then release **SET**.
3.  Enter **9-9-6**. The red light will blink twice.
4. Enter first channel, e.g., 07. For some component brands the **ENTER** key must be pressed after the digits, this will count as a key press. Skip Step 5 if **ENTER** is needed as next channel number will be ready to program without pressing **SET**.
5.  Press and release **SET** once (do not hold down). Red light blinks twice.
6. Enter second channel, third channel etc. until 10th channel is reached. Note: If 3 digits plus an Enter is needed for newer TVs/Cable channels, these will not be programmed. Only 3 entries per channel can be accepted.
7. **FAV CH** program exits after 10th channel is programmed or if **SET** is pressed for 3 seconds.
8. Pressing **FAV CH** key activates the remote to cycle through the favorite channels every 3 seconds until favorite channel is locked in by pressing any key.

**Note:** Favorite channel scan will only work on the component it is programmed to.

### Punch Through


The VCR Transport keys (e.g., **REW, PLAY, FFWD, REC, STOP, AND PAUSE**) are set at the factory to control the VCR even if **TV** or **CBL** is the selected mode. In other words, VCR control "punches through" regardless of what mode is on. Moreover, you do not have to press VCR before pressing the mode key.

However, if **AUD** is the selected mode, the VCR Transport Keys will not control the VCR unless you press the **VCR** first. In these two modes, the VCR Transport Keys will operate the functions for the selected component.

### Sleep Feature




Press **SLEEP** key to activate your component's internal sleep timer. (May not be available for all components.) If the component does not have a sleep function, the first press of the **SLEEP** key activates the remote's built-in sleep timer. Timer can be set to a maximum of 90 minutes.

### To Set the Remote's Built-in Timer

1.  Press **SLEEP** key once, 15 minute timer is set. Red light blinks once.
2. Additional key presses within 10 seconds will increase the timer value in 15 minute increments up to a maximum of 90 minutes. For each press of the **SLEEP** key, the red light will blink to indicate how many 15 minute increments have been programmed, e.g., one blink for first press, two blinks for the second press, etc. Sleep timer activates 10 seconds after the last press of the **SLEEP** key. The red light will blink once every 15 seconds to indicate that the timer is running.

**NOTE:** Once the sleep timer is running, the sleep timer is automatically canceled if any other key is pressed. The remote IR must be pointed to the component to turn off component when timer ends.

### To Activate Built-in Sleep Timer if component has Sleep function

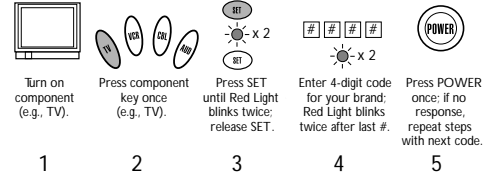
1.  On the remote control, press a component key once (e.g., **TV, VCR, CBL**). Sleep feature does not apply to **AUD** mode.
2.  Press and hold **SET** until the red light blinks twice, then release **SET**.
3.  Enter **9-7-0**. The red light will blink twice.
4. Follow instructions above to Set Timer.

To reset to component Sleep function follow steps 1 through 3 above. At the end of step three, the red light will blink four times to indicate the remote is reset to component Sleep function.

## QUICK FEATURES SETUP GUIDE

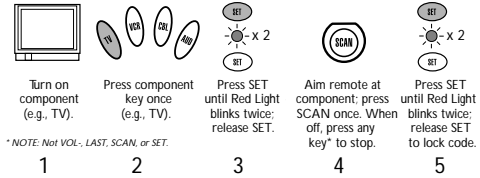
This guide is provided here for your convenience as a quick reference for performing remote control sequences.

### Component Setup



1. Turn on component (e.g., TV).
2. Press component key once (e.g., TV).
3. Press **SET** until Red Light blinks twice; release **SET**.
4. Enter 4-digit code for your brand; Red Light blinks twice after last #.
5. Press **POWER** once; if no response, repeat steps with next code.

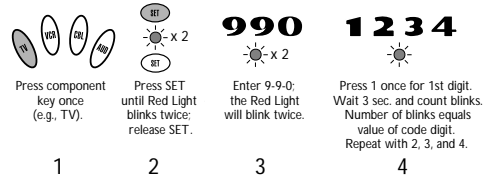
### Auto Scan



1. Turn on component (e.g., TV).
2. Press component key once (e.g., TV).
3. Press **SET** until Red Light blinks twice; release **SET**.
4. Aim remote at component; press **SCAN** once. When off, press any key\* to stop.
5. Press **SET** until Red Light blinks twice; release **SET** to lock code.

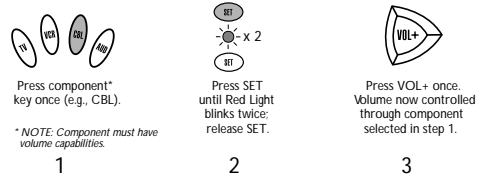
\*NOTE: Not VOL-, LAST, SCAN, or SET.

### Code Verification



1. Press component key once (e.g., TV).
2. Press **SET** until Red Light blinks twice; release **SET**.
3. Enter 9-9-0; the Red Light will blink twice.
4. Press 1 once for 1st digit. Wait 3 sec. and count blinks. Number of blinks equals value of code digit. Repeat with 2, 3, and 4.

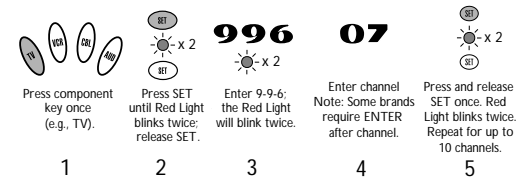
### Volume Lock



1. Press component\* key once (e.g., CBL).
2. Press **SET** until Red Light blinks twice; release **SET**.
3. Press **VOL+** once. Volume now controlled through component selected in step 1.

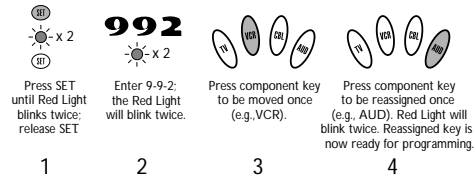
\*NOTE: Component must have volume capabilities.

### Programming The FAV CH Key



1. Press component key once (e.g., TV).
2. Press **SET** until Red Light blinks twice; release **SET**.
3. Enter 9-9-6; the Red Light will blink twice.
4. Enter channel number. Note: Some brands require **ENTER** after channel.
5. Press and release **SET** once. Red Light blinks twice. Repeat for up to 10 channels.

### Device Re-Assignment (e.g., AUD Key Becomes Secondary VCR Key)



1. Press **SET** until Red Light blinks twice; release **SET**.
2. Enter 9-9-2; the Red Light will blink twice.
3. Press component key to be moved once (e.g., VCR).
4. Press component key to be reassigned once (e.g., AUD). Red Light will blink twice. Reassigned key is now ready for programming.

## TROUBLESHOOTING

PROBLEM:	SOLUTION:
Red Indicator Light does not blink when you press a key.	Replace the batteries with two (2) "AA" alkaline batteries (see Page 3).
The <b>VOL+</b> , <b>VOL-</b> and <b>MUTE</b> keys are not functional.	Make sure that the volume control is locked to a component that has volume capabilities and is programmed into the remote control.
Red Indicator Light blinks when you press a key, but home entertainment component does not respond.	Make sure you are aiming the remote control at your home entertainment component and that you are within 15 feet of the component you are trying to control.
The remote control does not control home entertainment components or commands are not working properly.	Try all listed codes for the component brand being set up. Make sure all components can be operated with an infrared remote control.
<b>CH+</b> , <b>CH-</b> and <b>LAST</b> do not work for your RCA TV.	Due to an RCA design (1983-1987), only the original remote control will operate these functions.
Changing channels does not work properly.	If original remote control required pressing <b>ENTER</b> to change channels, to change channels, press <b>ENTER</b> on the remote after entering a channel number.
Tried Auto Scan and still could not find a working code.	Try Auto Scan again after clearing out the component key as follows: Press and hold <b>SET</b> until Red Light blinks twice, then release. Next enter <b>9-9-2</b> . Then press and release the component key to be cleared twice.

**NOTE:** To clear all set up codes and restore functions to Default, press SET until red light blinks twice, release SET and enter **9-8-1**.  
**Caution:** When this clear feature is performed, please note that all of your set up codes will be reset to the default codes and you will need to reprogram components.

## SETUP CODES FOR TELEVISION

CÓDIGOS DE PROGRAMACIÓN PARA TELEVISIÓN  
 CODES DE PROGRAMMATION DU TÉLÉVISEUR

A-Mark	0032
AOC	0032, 0048, 0059, 0214
Admiral	0122, 0492
Adventura	0075
Aiko	0121
Akai	0059
Alaron	0208
Ambassador	0206
America Action	0209
Ampro	0780
Anam	0209
Anam National	0084
Archer	0032
Audiovox	0032, 0121, 0209, 0480, 0652
Baysonic	0209
Belcor	0048
Bell & Howell	0045, 0183
Bradford	0209
Brockwood	0048
Broksonic	0032, 0265, 0492
CXC	0209
Candle	0059, 0075, 0085
Carnivale	0059
Carver	0083
Celebrity	0029
Cineral	0121, 0480
Citizen	0059, 0068, 0075, 0085, 0089, 0121, 0309
Clairtone	0214
Concerto	0085
Contec	0209, 0214
Craig	0209
Crosley	0083
Crown	0068, 0209
Curtis Mathes	0045, 0059, 0068, 0076, 0080, 0083, 0085, 0089, 0122, 0174, 0183, 0195, 0480, 0495
Daewoo	0048, 0068, 0121, 0480, 0652, 0653
Daytron	0048
Denon	0174
Dumont	0046, 0048
Dwin	0749, 0803
Electroband	0029, 0214
Emerson	0048, 0068, 0183, 0206, 0207, 0208, 0209, 0214, 0265, 0309, 0311, 0492, 0652, 0653
Envision	0059
Fisher	0183, 0188
Fujitsu	0208, 0712
Funai	0200, 0208, 0209
Futuretech	0209
GE	0050, 0076, 0080, 0084, 0122,

	0164, 0207, 0311, 0480
Gibraltar	0046, 0048, 0059
GoldStar	0048, 0059, 0085, 0207
Gradiente	0082, 0085
Grunpy	0208, 0209
Hallmark	0207
Harley Davidson	0208
Harman/Kardon	0083
Harvard	0209
Hitachi	0045, 0085, 0174, 0180
Infinity	0083
Inteq	0046
JBL	0083
JCB	0029
JVC	0082
Janeil	0075
KEC	0209
KTV	0059, 0068, 0209, 0214, 0309
Kenwood	0048, 0059
Kloss	0075
LG	0085
LXI	0076, 0083, 0183, 0185, 0207
Logik	0045
Luxman	0085
MEI	0214
MGA	0048, 0059, 0179, 0207
MTC	0048, 0059, 0085, 0089, 0214
Magnavox	0049, 0059, <b>0083*</b> , 0125, 0208, 0216
Majestic	0045
Marantz	0059, 0083
Matsushita	0279
Megatron	0032, 0174, 0207
Memorex	0045, 0085, 0179, 0183, 0207, 0279, 0492
Midland	0046, 0068, 0076, 0080, 0164
Minutz	0050
Mitsubishi	0048, 0122, 0179, 0207
Motorola	0084, 0122
Multitech	0209
NAD	0185, 0195, 0207
NEC	0048, 0059, 0085
NTC	0121
Nikko	0059, 0121, 0207
Noshi	0047
Onwa	0209
Optimus	0183, 0195, 0279
Optonica	0122, 0194
Orion	0208, 0265, 0492
Panasonic	0080, 0084, 0279
Penney	0032, 0047, 0048, 0050, 0059, 0068, 0076, 0080, 0085, 0089, 0164, 0185, 0207
Philco	0048, 0049, 0059, 0083, 0125, 0174, 0492

\* Default code

Philips	0083
Pilot	0048, 0059, 0068
Pioneer	0195
Portland	0048, 0068, 0121
Prism	0080
Proscan	0076
Proton	0032, 0207, 0495
Pulsar	0046, 0048
Quasar	0080, 0084, 0194, 0279
RCA	0047, 0048, 0076, 0080, 0119, 0122, 0164, 1476
Radio Shack	0048, 0059, 0068, 0076, 0085, 0183, 0194, 0207, 0209
Realistic	0048, 0059, 0068, 0085, 0183, 0194, 0207, 0209
Rhapsody	0214
Runco	0046, 0059, 0632
SSS	0048, 0209
Sampo	0059, 0068
Samsung	0048, 0059, 0085, 0089, 0207
Samsux	0068
Sansei	0480
Sansui	0492
Sanyo	0183, 0188
Scimitsu	0048
Scotch	0207
Scott	0048, 0207, 0208, 0209, 0265
Sears	0076, 0083, 0085, 0183, 0185, 0188, 0200, 0207, 0208
Semivox	0209
Semp	0185
Sharp	0068, 0122, 0194
Shogun	0048
Signature	0045
Simpson	0216
Sony	0029
Soundesign	0207, 0208, 0209
Spectricon	0032
Squareview	0200
Starlite	0209
Supre-Macy	0075
Supreme	0029
Sylvania	0049, 0059, 0083, 0125
Symphonic	0200
TMK	0085, 0206, 0207
Tandy	0122
Tatung	0032, 0084
Technics	0080, 0279
Technol Ace	0208
Techwood	0032, 0080, 0085
Teknika	0045, 0048, 0068, 0083, 0085, 0089, 0121, 0179, 0208, 0209
Telefunken	0085
Toshiba	0089, 0183, 0185
Tosonic	0214
Totevision	0068

Vector Research	0059
Victor	0082
Vidikron	0083
Vidtech	0048, 0207
Viking	0075
Wards	0045, 0048, 0049, 0050, 0059, 0083, 0085, 0125, 0194, 0207, 0208
White Westinghouse	0492, 0652, 0653
Yamaha	0048, 0059
Zenith	0045, 0046, 0121, 0492, 0653
Zonda	0032

### SETUP CODES FOR VCR

CÓDIGOS DE PROGRAMACIÓN PARA VIDEOCASETERA.  
CODES DE PROGRAMMATION DU MAGNÉSCOPE.

Admiral	0077, 0238
Adventura	0029
Aiko	0307
Aiwa	0029, 0066, 0336
Akai	0070, 0090, 0135
America Action	0307
American High	0064
Asha	0269
Audiovox	0066
Beaumark	0269
Bell & Howell	0133
Broksonic	0031, 0150, 0213, 0238, 0508
CCE	0101, 0307
Calix	0066
Canon	0064
Capehart	0049
Carver	0110
Cineral	0307
Citizen	0066, 0307
Colt	0101
Craig	0066, 0076, 0101, 0269, 0300
Curtis Mathes	0064, 0070, 0089, 0191
Cybernex	0269
Daewoo	0049, 0074, 0307, 0590
Daytron	0049
Denon	0071
Dynatech	0029
Electrohome	0066
Electrophonic	0066
Emerex	0061
Emerson	0029, 0031, 0066, 0072, 0090, 0150, 0213, 0237, 0238, 0241, 0307, 0508, 0590
Fisher	0076, 0083, 0133
Fuji	0062, 0064
Funai	0029
GE	0064, 0077, 0089, 0231, 0269
Garrard	0029
Go Video	0461, 0555

GoldStar	0066, 0067
Gradiente	0029, 0037
HI-Q	0076
Harley Davidson	0029
Harman/Kardon	0067, 0110
Harwood	0101
Headquarter	0075
Hitachi	0029, 0070, 0071, 0134
Hughes Network Systems	0071
JVC	0037, 0070, 0096
Jensen	0070
KEC	0066, 0307
KLH	0101
Kenwood	0067, 0070, 0096
Kodak	0064, 0066
LXI	0066
Lloyd's	0029, 0237
Logik	0101
MEI	0064
MGA	0072, 0090, 0269
MGN Technology	0269
MTC	0029, 0269
Magnasonic	0307
Magnavox	0029, 0064, 0068, <b>0110*</b> , 0178
Magnin	0269
Marantz	0064, 0110
Marta	0066
Matsushita	0064, 0191
Memorex	0029, 0064, 0066, 0068, 0075, 0076, 0077, 0133, 0238, 0269, 0336, 1191
Minolta	0071, 0134
Mitsubishi	0072, 0077, 0090, 0096
Motorola	0064, 0077
Multitech	0029, 0101
NEC	0067, 0070, 0096, 0133
Nikko	0066
Nikon	0063
Noblex	0269
Olympus	0064
Optimus	0066, 0077, 0133, 0191, 0461, 1191
Optonica	0091
Orion	0031, 0213, 0238, 0508
Panasonic	0064, 0191, 0254, 0645, 1191
Penney	0064, 0066, 0067, 0071, 0083, 0269
Pentax	0071, 0134
Philco	0064, 0238, 0508
Philips	0064, 0091, 0110, 0647
Pilot	0066
Pioneer	0096
Portland	0049
Profitronic	0269

\* Default code

Proscan	0089, 0231
Protec	0101
Pulsar	0068
Quarter	0075
Quartz	0075
Quasar	0064, 0191, 1191
RCA	0064, 0071, 0077, 0089, 0134, 0135, 0178, 0231, 0269
Radio Shack	0029
Radix	0066
Randex	0066
Realistic	0029, 0064, 0066, 0075, 0076, 0077, 0091, 0133
ReplayTV	0643, 0645
Ricoh	0063
Runco	0068
STS	0071
Samsung	0074, 0269
Sanky	0068, 0077
Sansui	0029, 0070, 0096, 0238, 0300, 0508
Sanyo	0075, 0076, 0133, 0269
Scott	0072, 0074, 0150, 0213, 0241
Sears	0029, 0064, 0066, 0071, 0075, 0076, 0083, 0133, 0134
Semp	0074
Sharp	0077, 0091
Shintom	0101
Shogun	0269
Singer	0101
Sony	0029, 0061, 0062, 0063, 0064
Sylvania	0029, 0064, 0072, 0110
Symphonic	0029
TMK	0237, 0269
Tatung	0070
Teac	0029, 0070
Technics	0064, 0191
Teknika	0029, 0064, 0066
Thomas	0029
Tivo	0647
Toshiba	0072, 0074, 0241
Totevision	0066, 0269
Unitech	0269
Vector	0074
Vector Research	0067
Video Concepts	0074, 0090
Videosonic	0269
Wards	0029, 0064, 0071, 0076, 0077, 0089, 0091, 0101, 0110, 0178, 0241, 0269
White Westinghouse	0238, 0307
XR-1000	0029, 0064, 0101
Yamaha	0067
Zenith	0029, 0062, 0063, 0068, 0238, 0508

**SETUP CODES FOR CABLE**  
**CÓDIGOS DE PROGRAMACIÓN PARA CABLE**  
**CODES DE PROGRAMMATION DU CÂBLORÉCEPTEUR**

ABC	0030, 0032, 0036, 0037, 0040, 0042, 0043, 0046
Allegro	0182, 0344
Americast	0928
Antronix	0051
Archer	0051, 0182, 0826
Belcor	0085
Bell & Howell	0043
Bell South	0928
Cable Star	0085
Cabletenna	0051
Cableview	0051
Century	0182
Citizen	0182, 0344
Colour Voice	0054
Comtronics	0069
Contec	0048
Eastern	0031
Emerson	0826
Everquest	0044, 0069
Focus	0429
GC Electronics	0085
Garrard	0182
Gemini	0044, 0826
General Instrument	0040, 0305, 0505, 0839
GoldStar	0069, 0173
Goodmind	0826
Hamlin	0038, 0049, 0063, 0288
Hitachi	0040
Hytex	0036
Jasco	0044, 0182, 0344
Jerrold	<b>0032*</b> , 0040, 0041, 0043, 0044, 0305, 0505, 0839
Magnavox	0056
Memorex	0029
Movie Time	0092
NSC	0092
Oak	0036, 0048
Optimus	0050
Panasonic	0029, 0050, 0136
Paragon	0029
Phillips	0054, 0056, 0182
Pioneer	0173, 0562, 0906
Popular Mechanics	0429
Pulsar	0029
Quasar	0029
RCA	0050
Radio Shack	0044, 0344, 0826, 0912
Recoton	0429
Regal	0049, 0288
Regency	0031

\* Default code



Rembrandt	0040
Runco	0029
SL Marx	0069
Samsung	0069, 0173
Scientific Atlanta	0037, 0046, 0506, 0906
Signal	0044, 0069
Signature	0040
Sprucer	0050
Starcom	0032, 0044
Stargate	0044, 0069, 0826
Starquest	0044
Sylvania	0030
TV86	0092
Tandy	0287
Televue	0069
Texscan	0030
Tocom	0041, 0042
Toshiba	0029
Tusa	0044
Unika	0051, 0182
United Artists	0036
Universal	0051, 0085, 0182, 0220
Viewstar	0056, 0092, 0287
Zenith	0029, 0554, 0928
Zentek	0429

**SETUP CODES FOR AMPLIFIERS**  
**CÓDIGOS DE PROGRAMACIÓN PARA AMPLIFICADOR.**  
**CODES DE PROGRAMMATION DU AMPLIFICATEUR.**

Aiwa	0435
Carver	0298
Curtis Mathes	0329
Denon	0189
GE	0107
Harman/Kardon	0921
JVC	0360
Linn	0298
Magnavox	0298
Marantz	0298, 0350
Nakamichi	0350
Optimus	0329, 0424
Panasonic	0337
Philips	0298, 0921
Pioneer	0042, 0329
Realistic	0424
Sansui	0350
Sony	0249, 0718
Soundesign	0107
Technics	0337
Victor	0360
Wards	0042, 0107
Yamaha	0383

**SETUP CODES FOR RECEIVERS**  
**CÓDIGOS DE PROGRAMACIÓN PARA RECEPTOR.**  
**CODES DE PROGRAMMATION DU RÉCEPTEUR.**

ADC	0560
Adcom	0645
Aiwa	0150, 0187, 0218, 0434, 1118, 1434
Capetronic	0560
Carver	0037, 0071, 0218, 0389, 1118, 1218
Casio	0224
Clarinette	0224
Curtis Mathes	0109
Denon	0033, 1133, 1189
Emerson	0453
Fisher	0071, 0248, 0389
Garrard	0453, 0492
Harman/Kardon	0139, 0218, 0920
JBL	0139
JVC	0103
Kenwood	0056, 0071, 0106, 0215, 1056, 1342, 1598
Koss	0453
LXI	0210
Linn	0218
Lloyd's	0224
MCS	0068, 0375
Magnavox	0218, 0224, 0420, 0560, 1118, 1218
Marantz	0068, 0218, 1118, 1218
Modulaire	0224
NAD	0349
Nakamichi	0126, 0376
Onkyo	0164
Optimus	0071, 0109, 0206, 0210, 0215, 0248, 0560, 0699, 0767, 0830, 1052
Panasonic	0068, 0338, 1547
Penney	0224
Philips	0218, 0420, 1118, 1218, 1298
Pioneer	0043, 0109, 0179, 0560, 0659, 1052
Proscan	1283
Quasar	0068
RCA	0083, 0375, 0389, 0560, 1283
Realistic	0192, 0210, 0224
Sansui	0218, 0375, 1118
Sanyo	0248, 0830
Scott	0192, 0351
Sharp	0215
Sherwood	0520, 0531
Sony	0187, 0503, 1087, 1187, 1287
Soundesign	0699
Sunfire	1342

Teac	0192, 0492
Technics	0068, 0338, 1337, 1338, 1547
Thorens	1218
Victor	0103
Wards	0043, 0083, 0109, 0187, 0218
Yamaha	0205, 0215
Yorx	0224
Zenith	0886

### SETUP CODES FOR DVD

CÓDIGOS DE PROGRAMACIÓN PARA DVD.

CODES DE PROGRAMMATION DU DVD.

---

Denon	0519, 0663
GE	0551
Harman/Kardon	0611
JVC	0587, 0652
Kenwood	0563
Magnavox	0532
Marantz	0568
Mitsubishi	0550
Onkyo	0532, 0656
Optimus	0600
Panasonic	0519, 0661
Philips	0532, 0568
Pioneer	0554, 0600, 0661
Proscan	0551
RCA	0551
Samsung	0602
Sharp	0659
Sherwood	0662
Sony	0562
Technics	0519
Theta Digital	0600
Toshiba	0532
Yamaha	0519, 0574
Zenith	0532, 0620