

Remote Commander

RM-VZ220

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Operating Instructions

Manual de instrucciones (parte posterior)



* 4 1 7 0 6 4 2 1 2 * (1)

English

For the Customers in the U.S.A.

WARNING

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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Setting Up the RM-VZ220

The RM-VZ220 is preset at the factory to operate Sony brand video devices set to any of the Device Select buttons (see the table below). To use with non-Sony devices, or Sony devices that are not preset at the factory, set the manufacturer's code for each device.

Devices	Button	Factory setting*
TV	TV	Sony TV (00810)
TV, Cable set top box, Satellite receiver, IPTV, DVD player, DVD recorder, Blu-ray Disc player, DVR (digital video recorder), PVR (personal video recorder), VCR, DVD Home Theater	CBL (SAT)	Cable set top box (non-Sony) (51376)
	VCR	Sony VCR (60032)
	DVD	Sony DVD player (11033)

* The five-digit code is the preset manufacturer's code.

Note

Only a TV can be assigned to the **TV** Device Select button. You can assign any device to the other Device Select buttons.

Installing the batteries

Slide open the battery compartment and insert two size AA (R6) dry batteries (not supplied). Insert the batteries (negative end first) through the guide clamp within each compartment as shown below.



Battery life

Under normal conditions, size AA (LR6) alkaline batteries will last up to one year. If the RM-VZ220 does not operate properly, the batteries might be drained. Replace both batteries with new ones.

Notes

- Replace the batteries within 2 minutes after removing them, and do not press any button when replacing the batteries. Otherwise, your code settings may be cleared.
- Do not use an old battery with a new one, or mix different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated area of the battery compartment with a cloth and replace the old batteries with new ones. To prevent electrolyte from leaking, remove the batteries when you plan not to use the RM-VZ220 for a long period of time.

Specifications

Operating distance	Approx. 11 m (36 ft) (varies depending on devices of different manufacturers)
Power requirements	Two size AA (R6) dry batteries (not supplied)
Battery life	Approx. 1 year when using size AA (LR6) alkaline batteries (varies depending on frequency of button use - up to approx. 300 times per day.)
Dimensions	Approx. 53 × 213 × 27 mm (2 1/8 × 8 1/2 × 1 1/8 in.) (w/h/d)
Mass	Approx. 100 g (3.5 oz) (not including batteries)

Design and specifications are subject to change without notice.

Troubleshooting

If you have problems setting up or using the RM-VZ220:

- Carefully perform the setup procedure of "Startup Guide." If the RM-VZ220 does not work, try repeating the setup procedure using another manufacturer's code (if listed for your device). If you still cannot operate the RM-VZ220, try the Search function (see "Searching for the correct code").
- Aim the RM-VZ220 directly at the device.
- Remove any obstacles in the path between the RM-VZ220 and the device.
- Make sure you have pressed the correct Device Select button.
- Check that the device has infrared remote capability. For example, if your device did not come with a remote control, it probably is not capable of being controlled by the RM-VZ220.
- The batteries are weak, or not inserted correctly. Replace them with new ones or insert them correctly.

For the customers in the U.S.A.

Customer Support Information

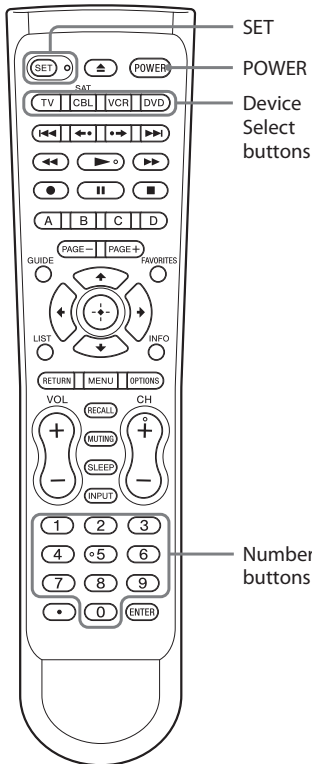
After you have read through this manual, if you still cannot get the RM-VZ220 to work properly, call the Sony Customer Support Helpline at 1-800-822-2217.

Startup Guide

This guide shows you how to set up and use the RM-VZ220 to operate your devices. If your Sony device has already been preset, see "Operate the device."

Set the manufacturer's code

Example: To set up a Philips TV



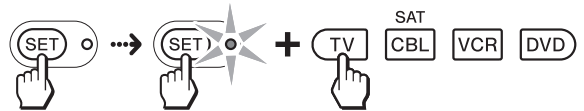
1 Find the manufacturer's code in "Manufacturer's Code List."

Manufacturer's Code List / Lista de códigos del fabricante			
TV / TV			
Brand	Code No.	Brand	Code No.
Acer	01339	Mitsubishi	01250, 00150, 00836
Action	00650	NAD	00156
Admiral	00743	NEC	
Arcor	00743		02108
Carver	00054	Penney	00156, 00051
Celebrity	00000	Petters	01523
Coby	02306, 02345, 02348	Philco	00054
Commercial Solutions	01447	Philips	01454, 00054, 00690, 01744, 02372
Crosley	00054	Pioneer	01457, 01260
Curtis	02352	Polaroid	01523, 01276, 01314, 01687
Curtis Mathes	00054, 00154, 00702, 01661	Portland	01661
Daewoo	01661	Prism	00051
Digital Lifestyles	01765	Proscan	01447, 02147, 02256
Durabrand	00463, 00171	Proview	01687
Dynex	01463, 01810, 02049	Quasar	00051, 00650

If your device is not listed, try the Search function (see "Searching for the correct code").

2 Press and hold SET for more than 3 seconds.

The SET indicator lights up.



While keeping SET held down, press the desired Device Select button, then release both buttons.

The SET indicator lights up.

3 Enter the manufacturer's code (01454).

The SET indicator flashes three times and turns off.



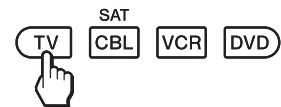
Notes

- If the setting is incomplete, the SET indicator flashes once and the indicators turn off. Start again from the beginning.
- If no operations are performed for 10 seconds while setting, the setting will be canceled, and must be restarted.
- To cancel the process, press SET any time. The SET indicator turns off.

Operate the device

1 Aim the RM-VZ220 directly at the device.

2 Press the Device Select button for the device you want to operate.



3 Press POWER to turn on the device.



4 Press buttons on the RM-VZ220 to check that they function.

See "Remote Button Descriptions" for the functions of buttons for each device.

If the RM-VZ220 does not seem to be working...

- Check that you have set the correct manufacturer's code.
- Try repeating the setup procedure using another manufacturer's code (if listed for your device). If you still cannot operate the RM-VZ220 after trying all the listed codes, try the Search function (see "Searching for the correct code").

Searching for the correct code

You can set the manufacturer's code using the Search function.

- 1 Power on the device with its power switch.
- 2 Aim the RM-VZ220 at the device you want to set.
- 3 Press and hold **SET** for more than 3 seconds.
The **SET** indicator lights up.
While keeping **SET** held down, press the desired Device Select button, then release both buttons.
- 4 Enter **9 - 2 - 2** using the number buttons.
The **SET** indicator flashes three times.
- 5 Press and hold **▶** to start searching.
When the device turns off, release the button.
If you overshoot the required code, you can search for the next or previous code using the **▶▶** or **◀◀** button.
- 6 Press **⊕**.
The **SET** indicator flashes three times and turns off.
- 7 Check if the code number works correctly (see "Remote Button Descriptions").
If you still cannot operate the device, repeat steps to search for another code that works for most functions of your device.

Checking the manufacturer's code you have set

- 1 Press and hold **SET** for more than 3 seconds.
The **SET** indicator lights up.
While keeping **SET** held down, press the desired Device Select button, then release both buttons.
- 2 Enter **9 - 3 - 3** using the number buttons.
The **SET** indicator flashes three times.
- 3 Press **▶**.
- 4 When the **SET** indicator starts flashing, count the number of flashes.
Short flash(es) indicate which digit (first, second, etc.), followed by long flash(es) to indicate the digit number (i.e., 2 long flashes represent the number 2). "0" is indicated by rapid flashing.
Determine the 5-digit code number this way. To recheck, press **▶**.
- 5 Press **SET** to finish.

Clearing the automatic power-on control (Sony devices only)

The Device Select buttons are preset to automatically turn on a device when pressed.

To cancel the function:

- 1 Press and hold **SET** for more than 3 seconds.
The **SET** indicator lights up.
While keeping **SET** held down, press **⊕**, then release both buttons.
- 2 Enter **9 - 7 - 7** using the number buttons.
The **SET** indicator flashes three times.
- 3 Press the desired Device Select button.
The **SET** indicator flashes three times and turns off.

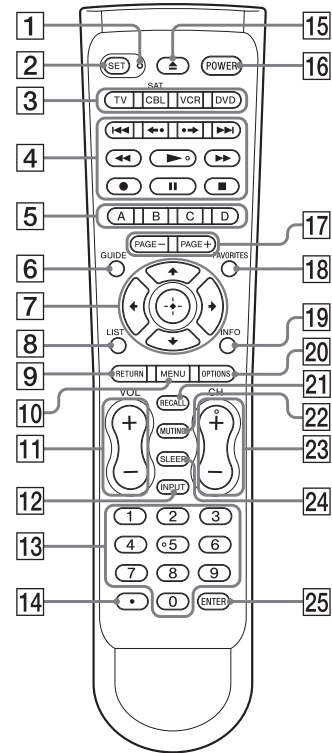
To set the function again, perform the same procedure above.

Restoring the factory settings

You can clear all the settings and reset the RM-VZ220 to its factory settings.

- 1 Press and hold **SET** for more than 3 seconds.
The **SET** indicator lights up.
While keeping **SET** held down, press **⊕**, then release both buttons.
- 2 Enter **9 - 0 - 0** using the number buttons.
The **SET** indicator flashes three times.
To cancel, press any button except **⊕**.
- 3 Press **⊕**.
The **SET** indicator flashes three times and turns off.

Remote Button Descriptions



General

- 1 2 SET:** Press to set up the RM-VZ220. The indicator lights or flashes while setting.
- 3 Device Select buttons:** Press to select the device to operate.
- 6 GUIDE:** Displays the program guide (EPG).
- 7 ▲/▼/◀/▶/⊕:** Moves the cursor to select a menu item/enters the selected item.
- 9 RETURN:** Returns to the previous display/exits the menu.
- 11 VOL +/-:** Turns the volume up/down.
- 16 POWER:** Turns the selected device on and off.
- 22 MUTING:** Mutes the volume. Press again to turn muting off.
- 24 SLEEP:** Enables the Sleep function (when available).

The number **5**, **CH+**, and **▶** buttons each have a tactile dot for ease of use. The **GUIDE** and **RETURN** buttons do not work for a VCR.

Note on the VOL +/- and MUTING buttons

When a TV or other video device is selected, the TV's volume is controlled. When a DVD Home Theater is selected, its volume can be controlled.

TV

- 4** **◀◀:** VIDEO 1 input
- ◀•:** VIDEO 2 input
- ▶•:** HDMI input
- ▶▶:** RGB input
- ◀◀:** (PIP INPUT) Changes the input mode of the "window" picture.
- ▶▶:** (PIP) Turns the "window" picture on and off.
- ▶▶:** (PIP MOVE) Moves the location of the "window" picture.
- ||:** (PIP STILL) Freezes the "window" picture.
- :** (PIP SWAP) Switches between "main" and "window" picture.
- 5** **A:** Red button
- B:** Green button
- C:** Yellow button
- D:** Blue button
- 8** **LIST:** (CAPTION) Displays closed captioning.
- 10** **MENU:** Calls up the menu display.
- 12** **INPUT:** Changes the input mode.
- 13 14 25** **1 - 9, 0, ENTER, • (dot):** Changes the channel. For example, to change to channel 5, press 0 and 5 (or, press 5 and ENTER).
- 17** **PAGE +/-:** (PIP CH +/-) Changes the channel up/down in the "window" picture.
- 18** **FAVORITES:** Enables the Favorite function.
- 19** **INFO:** Displays program information.
- 20** **OPTIONS:** Displays the options menu.
- 21** **RECALL:** Selects the channel previously selected.
- 23** **CH +/-:** Switches the channel up/down.

Cable set top box/IPTV

- 4 **⏮**: Proceeds to the previous location.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Proceeds to the next location.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records.
⏸: Pauses.
■: Stops.
- 5 **A, B, C** buttons
D: (Live TV) Displays Master Guide.
- 8 **LIST**: Displays the title of recorded program.
- 10 **MENU**: Calls up the menu display.
12 **INPUT**: Changes the input mode.
13 **14 25 1 - 9, 0, ENTER, ●** (dot): Changes the channel. For example, to change to channel 5, press 0 and 5 (or, press 5 and ENTER).
17 **PAGE +/-**: Page up/down
18 **FAVORITES**: Enables the Favorite function.
19 **INFO**: Displays program information.
20 **OPTIONS**: Displays the options menu.
21 **RECALL**: Switches between the current and previous channel.
23 **CH +/-**: Switches the channel up/down.

Satellite receiver

- 4 **⏮**: Proceeds to the previous location.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Proceeds to the next location.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records.
⏸: Pauses.
■: Stops.
- 5 **A**: Red button
B: Green button
C: Yellow button
D: Blue button
- 8 **LIST**: Displays the title of recorded program/PVR menu.
- 10 **MENU**: Calls up the menu display.
12 **INPUT**: (TV/SAT) Switches the output between SAT and TV.
13 **14 25 1 - 9, 0, ENTER, ●** (dot): Changes the channel. For example, to change to channel 5, press 0 and 5 (or, press 5 and ENTER).
17 **PAGE +/-**: Page up/down
18 **FAVORITES**: Enables the Favorite function.
19 **INFO**: Displays program information.
20 **OPTIONS**: Displays the Satellite dish menu/Station Index.
21 **RECALL**: Tunes to the last tuned station.
23 **CH +/-**: Switches the channel up/down.

VCR

- 4 **⏮**: Rewinds.
▶: Plays.
▶▶: Fast forwards.
●: Records.
⏸: Pauses.
■: Stops.
- 12 **INPUT**: Changes the input mode.
13 **1 - 9, 0**: Number buttons
15 **▲**: Ejects a tape.
- 19 **INFO**: (DISPLAY) Displays the playback information.
20 **OPTIONS**: (ANT/SW) Switches the antenna output.
21 **RECALL**: (DRIVE SELECT) Selects the deck.
23 **CH +/-**: Switches the channel up/down.
25 **ENTER**: Enters the selected item.

DVD player/recorder

- 4 **⏮**: Skips to the previous chapter/track.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Skips to the next chapter/track.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records (for DVD recorder).
⏸: Pauses.
■: Stops.
- 5 **A**: (SET UP) Calls up the system/setup menu.
B: (SUBTITLE) Switches the subtitle.
C: (AUDIO) Changes the sound.
D: (CLEAR) Clears the setting.
- 8 **LIST**: Displays the Title List.
10 **MENU**: Displays the DVD menu.
- 12 **INPUT**: Changes the input mode.
13 **1 - 9, 0**: Number buttons
14 **●** (dot): (+10) Selects numbers 10 and above.
15 **▲**: Opens/closes the disc tray.
17 **PAGE +:** (DVD) Selects the DVD drive.
PAGE -: (HDD) Selects the internal HDD (hard disk drive).
18 **FAVORITES**: (TOP MENU) Displays the Top Menu.
19 **INFO**: (DISPLAY) Displays the playback information.
20 **OPTIONS**: Displays the options menu.
21 **RECALL**: (DRIVE SELECT) Switches between HDD and DVD.
23 **CH +/-**: Switches the channel up/down (for DVD recorder).
25 **ENTER**: Enters the selected item.

Blu-ray Disc/HD-DVD player

- 4 **⏮**: Skips to the previous chapter/track.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Skips to the next chapter/track.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records (for BD recorder).
⏸: Pauses.
■: Stops.
- 5 **A**: (SET UP) Calls up the system/setup menu.
B: (SUBTITLE) Switches the subtitle.
C: (AUDIO) Changes the sound.
D: (CLEAR) Clears the setting.
- 10 **MENU**: Displays the Pop-up Menu/Disc Menu.
12 **INPUT**: Changes the input mode.
13 **1 - 9, 0**: Number buttons
14 **●** (dot): (+10) Selects numbers 10 and above.
15 **▲**: Opens/closes the disc tray.
17 **PAGE +:** (BD) Selects the BD drive.
PAGE -: (HDD) Selects the internal HDD (hard disk drive).
18 **FAVORITES**: (TOP MENU) Displays the Top Menu.
19 **INFO**: (DISPLAY) Displays the playback information.
20 **OPTIONS**: Displays the options menu.
25 **ENTER**: Enters the selected item.

DVR (digital video recorder)/PVR (personal video recorder)

- 4 **⏮**: Proceeds to the previous location.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Proceeds to the next location.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records.
⏸: Pauses.
■: Stops.
- 5 **A**: (REPLAY*) Enables the Replay function for DVR/Replay TV.
B: (Live TV*) Displays Master Guide.
- 8 **LIST**: Displays the title of recorded program.
- 10 **MENU**: Calls up the menu display.
12 **INPUT**: Changes the input mode.
13 **1 - 9, 0**: Number buttons
14 **●** (dot): (+10) Selects numbers 10 and above.
15 **▲**: Opens/closes the disc tray.
17 **PAGE +/-**: Page up/down, Thumbs* up/down
19 **INFO**: (DISPLAY) Displays the playback information.
21 **RECALL**: Selects the channel previously selected.
23 **CH +/-**: Switches the channel up/down.
25 **ENTER**: Enters the selected item.

* These buttons correspond to TiVo service or the Replay service. Refer to its instruction manual for details.

DVD Home Theater

- 4 **⏮**: Skips to the previous chapter/track.
⏪: Briefly replays the scene (Flash -).
⏩: Briefly fast forwards the scene (Flash +).
▶▶: Skips to the next chapter/track.
⏮: Fast reverses.
▶: Plays.
▶▶: Fast forwards.
●: Records.
⏸: Pauses.
■: Stops.
- 5 **A**: (SET UP) Calls up the system/setup menu.
B: (SUBTITLE) Switches the subtitle.
C: (AUDIO) Changes the sound.
D: (CLEAR) Clears the setting.
- 8 **LIST**: Enables the SOUND FIELD function.
10 **MENU**: Displays the DVD menu.
12 **INPUT**: Changes the input mode.
13 **1 - 9, 0**: Number buttons
14 **●** (dot): (+10) Selects numbers 10 and above.
15 **▲**: Opens/closes the disc tray.
18 **FAVORITES**: (TOP MENU) Displays the Top Menu.
19 **INFO**: (DISPLAY) Displays the playback information.
20 **OPTIONS**: Displays the amplifier menu.
21 **RECALL**: (BAND) Selects FM/AM.
23 **CH +/-**: Presets or tunes frequency up/down.
25 **ENTER**: Enters the selected item.

Notes on using the RM-VZ220

- The RM-VZ220 will not perform functions that the device is not designed for. For example, if your TV does not have the muting function, **MUTING** on the RM-VZ220 will not function with your TV.
- The function of the buttons varies depending on settings/operating modes. The table of "Remote Button Descriptions" shows how the RM-VZ220 generally operates for each device in the preset mode.
- If your cable set top box can control volume, be sure to set its volume to a moderate level. If the volume on the cable set top box is turned down completely, you will not be able to adjust your TV's volume with the RM-VZ220.

Manufacturer's Code List / Lista de códigos del fabricante

English

The following tables show brand names (**Brand**) and their corresponding code numbers (**Code No.**).

1 Press and hold **SET** for more than 3 seconds.

The **SET** indicator lights up.

While keeping **SET** held down, press the desired Device Select button, then release both buttons.

2 Enter the manufacturer's code.

The **SET** indicator flashes three times and turns off.

Español

La siguiente tabla muestra los nombres de las marcas (**Brand**) y el número de código correspondiente (**Code No.**).

1 Presione y mantenga presionado el botón **SET** durante más de 3 segundos.

Se encenderá la luz indicadora **SET**.

Mientras tiene presionado el botón **SET**, presione el botón de selección de dispositivo deseado y luego suelte ambos botones.

2 Ingrese el código del fabricante.

El indicador **SET** parpadeará tres veces y se apagará.

TV / TV

Brand	Code No.
Acer	01339
Action	00650
Admiral	00463
Akai	00812, 01675, 00702, 02232
Akira	01733
AOC	01365, 01589
Apex Digital	00748
Aventura	00171
Bell & Howell	00154
BPL	01543
Broksonic	00463
Carver	00054
Celebrity	00000
Coby	02306, 02345, 02348
Commercial Solutions	01447
Crosley	00054
Curtis	02352
Curtis Mathes	00054, 00154, 00702, 01661
Daewoo	01661
Digital Lifestyles	01765
Durabrand	00463, 00171
Dynex	01463, 01810, 02049
Electroband	00000
Electrograph	01755
Electrohome	00463
Elektra	01661
Element	01687
Emerson	01864, 00154, 00463, 00171, 01661, 01394
Emprex	01765
Envision	01365, 01589
ESA	00812, 00171
Fisher	00154
Funai	00171
Gateway	01755, 01756
GE	01447, 00051, 02359
GFM	00171
Haier	01748, 01749, 02309, 02449
Harman/Kardon	00054
Hisense	00748, 01314, 02098
Hitachi	01643, 02215, 02433
iLo	01684
Infinity	00054
Insignia	01564, 00171, 02049
JBL	00054
JCB	00000
JVC	00731, 01253, 01601, 01774
KDS	01687
Kolin	01331
LG	01423, 02358
LXI	00054, 00154, 00156
MAG	01687
Magnavox	01454, 01866, 00054, 01254, 01365, 02372
Marantz	00054
Matsushita	00650
Maxent	01755
Memorex	00154, 00463, 00150
MGA	00150
Midland	00051

Brand	Code No.
Mitsubishi	01250, 00150, 00836
NAD	00156
NEC	01797
NetTV	01755
Norcent	00748, 01365, 01589
Olevia	01610, 01144, 01331
Onida	01253, 02396
Optimus	00154, 00650
Orion	00463, 01463
Panasonic	01480, 00051, 00650
PARK	02104
Penney	00156, 00051
Petters	01523
Philco	00054
Philips	01454, 00054, 00690, 01744, 02372
Pioneer	01457, 01260
Polaroid	01523, 01276, 01314, 01687
Portland	01661
Prism	00051
Proscan	01447, 02147, 02256
Proview	01687
Quasar	00051, 00650
RadioShack	00154
RCA	01447, 01781, 02187, 02247, 02403, 02429, 02434
Realistic	00154
Sampo	01755
Samsung	00812, 00702
Sansui	00463
Sanyo	00154, 01142
Sceptre	01360, 01599
Scott	01711
Sears	00054, 00154, 00156, 00171
Sharp	00818
Sony	00810, 00000
Spectroniq	01687
Squareview	00171
Superscan	00864
Supreme	00000
SVA	00748
Sylvania	01864, 00054, 00171, 01314, 01394
Symphonic	00171
Syntax	01610, 01144, 01331
Tatung	01756
TCL	02403, 02429
Technics	00051
Techwood	00051
Teknika	00054, 00150
Telefunken	00702
Toshiba	01524, 00154, 00156, 00650
TVS	00463
Venturer	01865
Videocon	01540, 01541, 02436
Vidikron	00054
Viewsonic	01755, 00864, 00885, 01627, 01742
Viore	01684, 02104, 02352
Vizio	01758, 00864, 00885, 01756
VU	02098

Brand	Code No.
Wards	00054
Waycon	00156
Westinghouse	01712, 00885, 01577
White	00463, 01661
Westinghouse	
Wyse	01365
Zenith	00463, 01661

DVD player / Reproductor de DVD

Brand	Code No.
Accurian	10675
Akai	10695
Allegro	10869
Apex Digital	10672, 11056
Bel Canto Design	11571
Broksonic	10695
CineVision	10869
Citizen	10695
CyberHome	11024
Daewoo	10869
Denon	10490, 11634, 12258
Disney	10675, 11270
Emerson	10591, 10675
Enterprise	10591
Funai	10675
GE	10522
GFM	10675
Go Video	10744, 10741, 10869, 11044, 11075
GoldStar	10741
Harman/Kardon	11229
Hitachi	10573, 10664
Hiteker	10672
Insignia	10675, 12428, 12596
Integra	11769, 10627, 12147
JVC	10623, 10867, 11164
Kenwood	10490
LG	10591, 10741, 10869
Magnavox	10503, 10539, 10646, 10675, 11354
Marantz	10539, 12414, 12432
Memorex	10695, 11270, 12213
Microsoft	10522, 12083
Mitsubishi	11521
NAD	10741, 12572
Olevia	12331
Onkyo	10503, 11769, 10627, 11627, 12147

Brand	Code No.
Oppo	10575, 12545
Panasonic	10490, 11579, 11641
Philco	10675
Philips	10503, 10539, 12056, 12084, 10646, 10675, 11267, 11354, 12434
Pioneer	10142, 10631, 11571, 12442
Polk Audio	10539
Presidian	10675
Proscan	10522
RCA	10522, 11769, 10822, 12213, 12587, 12592, 12594
Rio	10869
Rotel	10623
Samsung	10490, 10573, 10199, 11044, 11075, 12329, 12489
Sansui	10695
Sanyo	10695
Sharp	10630, 10675, 12250
Shinsonic	10533
Sonic Blue	10869
Sony	11633, 10533, 10864, 11033, 11070, 11431, 11516
Sylvania	10675
Symphonic	10675
TCL	12587
Technics	10490
Tivo	11503
Toshiba	10503, 11769, 10695, 11154, 11503, 12006, 12277
Urban Concepts	10503
Viore	12553
Vizio	12563
Vtrek	12587
Xbox	10522, 12083
Yamaha	10490, 10539, 10497, 10817, 12298
Zenith	10503, 10591, 10741, 10869

DVD recorder / Grabadora de DVD

Brand	Code No.
Accurian	10675
Apex Digital	11056
Funai	10675
Go Video	10741
JVC	11164
LG	10741
Magnavox	10646, 10675
Panasonic	10490, 11579
Philips	10646

Brand	Code No.
Pioneer	10631
RCA	10522
Samsung	10490
Sharp	10675
Sony	11033, 11070, 11431
Sylvania	10675
Toshiba	12277
Zenith	10741

Blu-ray Disc/HD-DVD player/ Reproductor de Blu-ray Disc/HD-DVD

Brand	Code No.
Denon	12258
Insignia	10675, 12428, 12596
Integra	11769, 12147
LG	10741
Magnavox	10675
Marantz	12414, 12432
Microsoft	12083
NAD	12572
Olevia	12331
Onkyo	11769, 12147
Oppo	12545
Panasonic	11641

Brand	Code No.
Philips	12084, 12434
Pioneer	10142, 12442
RCA	11769
Samsung	10199
Sharp	12250
Sony	11516
Sylvania	10675
Toshiba	11769
Viore	12553
Vizio	12563
Xbox	12083
Yamaha	12298

Cable set top box / Decodificador de cable

Brand	Code No.	Brand	Code No.
ADB	51927	Motorola	51376, 50476, 51187, 51982
Bright House	51376, 51877	NET	50277
Cable One	51376, 51877	Pace	51877, 51982
Cablevision	51376, 51877, 51006	Panasonic	51982
Charter	51376, 51877, 52187	Philips	51305
Cisco	51877, 50877, 51982	Pioneer	51877, 50877
Comcast	51376, 51877, 51982, 52576	Rogers	51877
Cox	51376, 51877	Scientific Atlanta	51877, 50877, 50277
Digeo	51187, 52187	Shaw	51376
Director	50476	Shy	51006
General	50476	StarHub	51927
Instrument		Suddenlink	51376, 51877
Insight	51376, 51877	Time Warner	51376, 51877, 52187
Jerrold	50476	Tivo	52576
Knology	51877	US Electronics	50277
Mediacom	51376, 51877	WideOpenWest	51877

IPTV / IPTV

Brand	Code No.	Brand	Code No.
AT&T	50858	Scientific Atlanta	50858, 52345
Azteca	52237	SingTel	51998, 52275
BesTV	52327	Thomson	52237
Cisco	52345	UTStarcom	52327
Motorola	51998, 50858, 52275, 52378	Verizon	52378
Reliance	52452		

Satellite receiver / Receptor de satélite

Brand	Code No.	Brand	Code No.
Airtel	42248	Multichoice	42059, 42060
Astro	42600	NET	41883
Bell ExpressVu	40775	Net Brazil	41883
DirecTV	41377, 40566, 40749, 40099, 41442	Pace	40887
Dish Network	40775	Philips	40749, 40722, 40099, 41442
Dishpro	40775	Proscan	40566
Echostar	40775, 42527	Proton	41535
Expressvu	40775	RCA	40566
GE	40566	Samsung	41377, 41442
GOI	40775	SKY	40856, 42619
Hisense	41535	SKY Brazil	40856, 40887, 41499
HTS	40775	SKY Mexico	40856, 42619
Hughes Network Systems	40749, 41442	Telefonica	42527
iLo	41535	Tivo	41442
Indovision	40856	Toshiba	40749
JVC	40775	Uniden	40722
Magnavox	40722	US Digital	41535
Mitsubishi	40749	USDTV	41535
		Zenith	40856

DVR (digital video recorder)/PVR (personal video recorder) DVR (videgrabadora digital)/PVR (videgrabadora personal)

Brand	Code No.	Brand	Code No.
DirecTV	20739	ReplayTV	20614, 20616
Go Video	20614	Samsung	20739
Hughes Network Systems	20739	Sonic Blue	20614, 20616
Humax	20739	Sony	20636
Panasonic	20614, 20616	Tivo	20739, 20618, 20636
Philips	20739, 20618	Toshiba	21008

VCR / VCR

Brand	Code No.	Brand	Code No.
Admiral	60048	Motorola	60035, 60048
Aiwa	60037	NEC	60067, 60038
Allegro	61137	Nikko	60037
American High	60035	Olympus	60035
Audiovox	60037	Optimus	61062, 60162, 60037, 60048
Calix	60037	Panasonic	61062, 60035, 60162, 60614, 60616, 61562
Canon	60035	Penney	60035, 60037, 60042, 60038
Carver	60081	Pentax	60042
CineVision	61137	Philco	60035
Citizen	60037	Philips	60739, 60035, 60081, 60618
Craig	60037	Pilot	60037
Curtis Mathes	60060, 60035, 60162	Pioneer	60067
Daewoo	61137	Polk Audio	60081
Denon	60042	Proscan	60060
DirecTV	60739	Quasar	60035, 60162
Durabrand	60038	Radix	60037
Electrohome	60037	Randex	60037
Electroponic	60037	RCA	60060, 60042
Emerex	60032	Realistic	60035, 60037, 60048
Emerson	60037, 60043	ReplayTV	60614, 60616
ESA	61137	Rio	61137
Fuji	60035, 60033	Samsung	60739
GE	60060, 60035	Sanky	60048
Go Video	60614, 61137	Sansui	60067
GoldStar	60037, 60038, 61137	Scott	60043
Gradiente	61137	Sears	60035, 60037, 60042
Harman/Kardon	60081, 60038	Sensory Science	61155
Hitachi	60042	Sharp	60048
Hughes Network Systems	60739, 60042	Sonic Blue	60614, 60616, 61137
Humax	60739	Sony	60032, 60033, 60636
Instant Replay	60035	STS	60042
JVC	60067	Sylvania	60035, 60081, 60043
KEC	60037	Tashiko	60037
Kenwood	60067, 60038	Technics	60035, 60162
Kodak	60035, 60037	Teknika	60035, 60037
LG	61137	Tivo	60739, 60618, 60636
LXI	60037	Toshiba	60043, 61008
Magnavox	60035, 60081	Totevision	60037
Marantz	60035, 60081	Vector Research	60038
Marta	60037	Videomagic	60037
Matsushita	60035, 60162	Wards	60060, 60035, 60048, 60081, 60042
MEI	60035	XR-1000	60035
Memorex	60035, 60162, 60037, 60048	Yamaha	60038
MGA	60043	Zenith	60033, 61137
Minolta	60042		
Mitsubishi	60067, 60043		

DVD Home Theater / DVD con cine en casa

Brand	Code No.	Brand	Code No.
Anam	31609	Onida	32482
Bose	31229, 31629, 31933	Onkyo	31298, 31531
Denon	32857	Panasonic	31288, 31548, 31633, 31763, 31764, 32452, 32967
Harman/Kardon	31306	Philco	31838
HitPlus	32483	Philips	31266, 32311, 32459
Insignia	31751, 32175	Pioneer	31935
Integra	31298	RCA	31609, 32041, 32426
JBL	31306	Samsung	31295, 31500, 31868
JVC	31374, 32239, 32331	Sony	31622, 31558, 31658, 31758, 31822, 31858, 32522
LG	31293, 32197, 32284	Vtrek	32426, 32483
Magnavox	31514	Zenith	31293
NexxTech	31751		
Norcent	31751		