

## **MODEL A4**

# UNIVERSAL REMOTE

Controls up to 4 devices; TV, Cable, DVD, VCR and more

#### **Universal Remote Control** Owner's Manual Manual del Propietario (parte posterior)

Congratulations on your purchase of this universal remote. This universal remote controls up to four electronic components and makes juggling remote controls a thing of the past, Your remote is guaranteed to work with all brands of components. And, not only is your remote easy to program, it's easy to operate, too. We've specially designed this remote with big buttons to give you total control...at the touch

of your fingertips. SAVE THIS MANUAL AND THE CODE LISTS! Remote controls can sometimes lose their programming when you change the batteries. Make sure you keep the manual and code lists in

a safe place so that you can reprogram the remote if you need to. to operate most RCA, GE and PROSCAN branded TVs, VCRs, DVD players and satellite receivers. Just press the corresp key DVD • VCR for a DVD player, TV for a television, SAT•DTC for a satellite receiver, DVR • AUX for a DVR.

#### **Battery Installation and Information** Your universal remote requires two AAA alkaline batteries

(batteries may or may not be included, depending on model). To install the batteries: 1. Press and push the battery compartment cover to remove

2. Insert the batteries, matching the batteries to the (+) and (-) marks inside the battery compartment. 3. Push the battery cover back into place. Note: If you are replacing batteries, try not to press any buttons after

you've taken the old batteries out. Pressing buttons while replacing

batteries canses the remote to lose the devices you've programmed. You will need to program the remote again. **Battery Precautions:** 

· Do not mix old and new batteries. • Do not mix alkaline, standard (carbon-zinc) or recbargeable (nickelcadmium) batteries. · Aboays remove old, weak or worn-out batteries promptly and recycle or dispose of them in accordance with Local and National Regulations.

**Battery Saver** Your universal remote control saves battery power by automatically turning off if any key is pressed for more than 60 seconds. This saves your battery life should your remote

get stuck in a place where the keys remain depressed, such as **Programming Your Remote** 

Your universal remote can operate a variety of brands of components. In order for your universal remote to control your components, you need to program the remote with the codes that match the components These codes enable the remote to communicate with your components. Each brand and each

component has its own "language," and, by programming the correct codes into your remote, you tell the remote to "speak the same language" as your components There are four methods you can use to program your remote control to operate your components

 Brand Code Search and Entry Direct Code EntryManual Code Search and Entry · Auto Code Search and Entry

Most components can be programmed in one of these four In order to control combo TV/VCR or TV/DVD units, you must program both the TV key and the DVD•VCR key. Once programmed successfully, the TV key controls the TV functions on your unit, and the DVD VCR key controls the DVD or VCR functions. There is a specific section in the Code Lists for combo units. The codes in this section should be tried first using Direct Code Entry on the TV and DVD•VCR keys. If this is unsuccessful, follow the normal programming methods for both the TV and the DVD•VCR keys.

DVD•VCR Key Important: The DVD•VCR key defaults to program a DVD player. If you want the DVD•VCR key to control a VCR, you must preprogram the DVD•VCR key. See the section entitled "Programming the DVD•VCR Key To Control a VCR".

DVR•AUX Key Important: The DVR•AUX key defaults to program a DVR. If you want the DVR•AUX key to control a componer other than a DVR (an additional TV or DVD, for example), you must preprogram the DVR•AUX key. See the section entitled" Programming the DVR•AUX KeyTo Control Other

**Brand Code Search and Entry** If your brand is listed in the Brand Code List (See Code Lists enclosed), you may be able to program your universal remote by searching through only the Code Lists for that specific manufacturer. Brand Code Search and Entry can be the quickest method to program your remote, if your component is one of those brands listed.

If your brand is not listed in the Brand Code List, use one of the other programming methods that follow. Follow these instructions to program your remote using the Brand Code Search and Entry method. TIP: To exit without saving at any point in the Brand Code Search, press and release the CLEAR key

1. Manually turn on the component you want the remote to control (TV, VCR, DVD, DVR, satellite receiver, or cable box). 2. Locate the Brand Codes in the Code Lists and keep it handy. Note: If you press an invalid key during the Brand Code Search, the remote does not respond. If you do not press a valid Brand Code Search key (TV, SAT•DTC, DVD•VCR, DVR•AUX, POWER, CLEAR, and number keys 0-9), the search times out after two minutes. When the search times out, the LED blinks four times and turns off. The last programmed code under that component key is

• To program the DVD • VCR key to control a VCR.

• To program the DVR • AUX keyto control a component other than

3. Press and hold the component key (TV, SAT•DTC, DVD•VCR. DVR•AUX) you wish to program. The LED tums on and remains on. Keep holding down the component key. 4. While holding the component key down, press and hold the POWER key. The LED tums off. After holding both keys down for three seconds, the LED tums back on.

5. Release both keys. The LED remains on. 6. Refer to the Brand Codes in the enclosed Code Lists. Use the number keys to enter the number for your brand. The LED blinks once. **TIP:** Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the component you are currently programming the remote to control.

7. Press and release the POWER key repeatedly until your component turns off. Each time you press the POWER key, the LED blinks and the next code is sent. The Brand Code Search begins with the first code in the chosen brand list for that component and cycles through all the codes for that If your component turns off, you have found the correct code. If the remote cycles through and the LED blinks four times and turns off, all codes in the chosen brand lists have been searched and another programming method should be tried. The Brand Code Search mode is exited.

save that code by pressing and releasing the STOP key. The LED tums off. **IMPORTANT:** You must press the STOP key to save the code or the tect code will not be stored:

Brand Name Code Table

8. Once you have found the correct code, you must

TV VCR DVD SAT/CABLE RCA. GE. RCA. GE. RCA. GE. RCA. GE. PROSCAN PROSCAN PROSCAN DIAMONDVISION SAMSUNG APEX ABC

2 INSIGNIA JVC JVC DISH

3 JVC MAGNAVOX MAGNAVOX GENERAL STRUMENTS

4 MAGNAVOX MITSUBISHI PANASONIC HUGHES 5 PANASONIC PANASONIC PIONEER JERROJD

6 SAMSUNG SHARP SAMSUNG MAGNAVOX.
PHILIPS
7 SHARP SONY SHARP MOTOROLA
8 SONY SYMPHONIC SONY PANASONIC 9 TOSHIBA TOSHIBA TOSHIBA SCIENTIFIC ATLANTA

**Testing the Code for Maximnm Functionality** 

Different remote control codes can provide different levels of functionality. To confirm that the component key is programmed with the correct code for maximum functionality follow the steps below.

1. Attempt to control a variety of the component's functions with the remote. If some features of your components do not work, go to step 2 to try a different code.

2. Repeat the Brand Code Search and Entry Method from step 1. When the component turns off for the first time, do not press the STOP key, which would store the code. Code Entry procedure, the LED blinks four times, and the process is exited. The last programmed code under the component key is retained.

Instead, with the unit now off, continue to press the

3. Once the unit turns back on, you have found another code

4. Test the key's functionality again by attempting to control

a variety of the component's functions. If the code that has been stored controls the majority of the component's

functions, programming is complete. If the code stored does

step 1. Each time a code turns the component on or off, you

have found a code that operates the component and needs

to be tested for maximum functionality. Continue through

the code lists, cycling through the codes you have already

tried, until you find one that offers maximum functionality

To use the direct code entry method to program your universal

control (TV, VCR, DVD, DVR, satellite receiver, or cable box).

brand. If your brand isn't listed, use one of the Code Search

methods to program the remote control. (Refer to Manual

3. Press and hold the component key (TV, SAT•DTC, DVD•VCR,

remains on. Keep holding down the component key. If you

DVR•AUX) you wish to program. The LED turns on and

release the component key any time during the Direct

component you wish to program. Find your component's

brand. You will see a listing of four-digit codes for each

remote to control your components, follow the steps below.

1. Manually turn on the component you want the remote to

2. Locate the enclosed Code Lists. Find the list for the

POWER key repeatedly until the unit turns back on

that operates the component. Press the STOP key.

not give maximum fiunctionality, try another code.

Direct Code Entry

and Auto Code Search methods.)

5. Repeat the Brand Code Search and Entry Method from

• To program the DVD • VCR keyto control a VCR, see below · To program the DVR • AUX key to control a component other than

4. While holding down the component key, consult the Code Lists for the four-digit code that corresponds to your component's brand and use the number keys (0-9) to enter it. After you press the first number, the LED tums off. After the fourth number is entered, the LED turns on. TIP: Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the component you are currently

programming the remote to control. 5. Release the component key. If the LED tums off, you have entered a valid code and have followed the correct. procedure for Direct Code Entry. Proceed to the next step. If the LED blinks four times, you have either entered a code number that is not in the code lists or missed a step in the code entry procedure. Repeat the Direct Code Entry process from step 3 and try the next code listed.

6. To confirm that the component key is programmed with the correct code for maximum functionality, test the component. Attempt to control a variety of the component's function with the remote. If some features of your components do not work, try programming the remote with a different code in the list until you find the code that allows the remote to control the majority of your component's functions. Different codes can provide different levels of functionality. IMPORTANT: Remember to enter the code for future reference in

the box provided in the Code Retrieval section of this manual. (See Manual Code Search and Entry If your component's brand isn't listed in the Code Lists, or if you have tried all of the codes for your brand and the remote does not operate your component, try one of the Code Search

methods below-Manual Code Search or Auto Code Search. Both Code Search methods cycle through all of the codes in the Code Lists in the event that your component's code is listed under another brand.

Note: The Manual CodeSearch method may take a longtime because the remote searches through all of the codes in its memory for the code that operates your component. Therefore, if your brand is listed in the Brand Codes or the Code Lists, first try the Brand Code Search or the Direct Code Entry method described. TIP: To exil without saving at any point in the Manual Code Search, press and release the CLEAR key.

• To program the DVD • VCR keyto control a VCR, see below. • To program the DVR • AUX keyto control a component other than

1. Manually turn on the component you want the remote to

control (TV, VCIL DVD, DVR, satellite receiver, or cable box).

2. Press and hold the component key (TV, SAT·DTC, DVD·VCR, DVR·AUX) you wish to program. The LED turns on and remains on. Keep holding down the component key. 3. While holding the component key down, press and hold the POWER key. The LED turns off. After holding down both

keys for three seconds, the LED turns back on. 4. Release both keys. The LED remains on. Note: If you press an invalid key during Manual Code Search, the remote does not respond and the search times out after two minutes, When the search times out, the LED blinks four times and turns off. The last programmed code under that component key is retained. TIP: Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the component you are currently

TIP: To exit the Code Retrieval Mode, press and release the

□SAT □ CABLE

DVR·AUX CODE

□DVR/VCR □DVD □TV □8AT-DTC

rols more than one component, you

Note: If you press an invalid key during the Code Retrieval process,

the remote will not respond. If you do not press a valid Code Retrieval key (TV, SAT-DTC, DVD-VCR, DVR-AUX, INFO,

CLEAR), Code Retrieval timesout after 15 seconds. The LED

Using the Remote to Control

must first "tell" the remote which component you wish to

first press the TV key to put the remote m the TV Mode.

The remote stays in the chosen component mode (such as TV

Mode) until you change it. If your remote is in TV Mode, you

must change the mode in order to operate your DVD, VCR, DVR

auxiliary component, satellite receiver, or cable box. For example,

if you are in DVD Mode, and you wish to turn off your TV, you

must press the TV key first before pressing the POWER key.

operate. That means, if you wish to operate your TV, you must

programming the remote to control.

blinks briefly, then tums off.

blinks four times, and then turns off.

□DVD □VCR

Your Components

CLEAR key at any time.

5. Press and release the POWER key repeatedly until your component turns off. Each time you press the POWER key, the LED blinks, and the next code in the list is sent. This process continues until all of the codes in the Code Lists have been tried. If your component turns off, you have found the correct code. (If it cycles through and the LED blinks four times and turns off, all codes have been searched. The Manual Code Search method is exited.) TIP: Because there are so many codes, you may have to press the

6. Once you have found the correct code, you must save the new code by pressing and releasing the STOP key. The LED turns off. You must press the STOP key to save the code or the correct code will not be stored! When you press the STOP key, the code is stored.

POWER key many times-possibly bundreds of times.

7. Be sure to retrieve the code your remote programmed by finishing the Code Retrieval process.

mming the DVD•VCR Key to Control a VCR

#### **Testing the Code for Maximum Functionality** Different remote control codes can provide different levels

of functionality. To confirm that the component key is programmed with the correct code for maximum functionality follow the steps below.

1. Attempt to control a variety of the component's functions with the remote. If some features of your components do not work, go to step 2 to try a different code. 2. Repeat the Manual Code Search and Entry Method from step 1. When the component turns off for the first time, do not press the STOP key, which would store the code.

Instead, with the unit now off, continue to press the

POWER key repeatedly until the unit turns back on. 3. Once the unit tums back on, you have found another code that operates the component. Press the STOP key.

4. Test the key's functionality again by attempting to control a variety of the component's functions. If the code that has been stored controls the majority of the component's functions, programming is complete. If the code stored does not give maximum functionality, try another code.

5. Repeat the Manual Code Search and Entry Method from step 1. Each time a code turns the component on or off, you have found a code that operates the remote and needs to be tested for maximum functionality. Continue through the code lists, cycling through the codes you have already tried, until you find one that offers maximum functionality.

#### Auto Code Search and Entry The Auto Code Search and Entry Method enables the to automatically search through all the codes in the Code Lists

for the one that operates your component. Note: The Auto Code Search method may take a long time because the remote searches through all of the codes in its memory for the code that operates your component. Therefore, if your brand is listed in the Dired Code Entry method Described TIP: To exit without saving at any point in the Auto Code Search, press and release the CLEAR key.

Brand Codes or the Code Lists, first try the Brand Code Search or the

Manually turn on the component you want the remote to control (TV, VCR, DVD, DVR, satellite receiver, or cable box).

• To program the DVD • VCR key to control a VCR. • To program the DVR • AUX key to control a component other than 2. Press and hold the component key(TV,SAT•DTC,DVD•VCR,

DVR•AUX) you wish to program. The LED tums on and remains on. Keep holding down the component key.

3. While holding the component key down, press and hold the POWER key. The LED turns off. After holding down both keys for three seconds, the LED turns back on.

4. Release both keys. The LED remains on.

Note: If you press an invalid key during Auto Code Search, the remote does not respond and the search times out after two minutes. When the search times out, the LED blinks four times and turns off. The last programmed code under that component key is retained. TIP: Throughout the programming of each key, be sure to keep the remote pointed at the IR sensor of the component you are currently

5. Press and release the PLAY key, then wait five seconds to see if your component turns off. If your component does not respond, continue to press the PLAY key every five seconds until your component turns off.

programming the remote to control.

Each time you press the PLAY key,the LED blinks several times and a block of 10 codes are sent to your componen This process continues until all of the codes in the Code Lists have been searched, If your component has not turned off after all codes have been searched, the LED blinks four times and turns off. The Auto Code Search Entry method is exited.

6. When your component turns off, you know the correct code is in the last block of 10 codes sent Press and release the REVERSE key. Wait two seconds to see if your component turns on again.

If your component does not respond, continue to press the REVERSE key every two seconds until your component turns on again. This will isolate the correct code in the last block of codes sent. Each time the REVERSE key is pressed, the LED blinks. Note: If you accidentally press the REVERSE key after your

component responds, press and release the FORWARD key. Then, wait two seconds to see if your component turns off again. 7. Once your component turns on, you have found the correct code. You must save the new code by pressing and releasing the STOP key. The LED turns off. When you press the STOP key, the code

**IMPORTANT:** You must press the STOP key to save the code or the correct code will not be stored

8. To confirm that the component key is programmed with the correct code for maximum functionality, it is necessary to test the component. If some of the features of your component do not work, different codes in the list can be tried until you find the code that allows the remote to control the majority of your component's functions. See the section entitled "Testing the Code for Maximum Functionality" on the next page for more information.

**Testing the Code for Maximum Functionality** ent remote control codes can provide different levels of functionality. To confirm that the component key is

programmed with the correct code for maximum functionality follow the steps below. 1. Attempt to control a variety of the component's functions with the remote. If some features of your components do not work, go to step 2 to try a different code.

2. Repeat the Auto Code Search Method from step 1. When you've found the code that turns your component back on, do not press the STOP key, which would store the ode. Instead, with the unit now on, continue to press the REVERSE key repeatedly until the unit turns back off. Note: If you cannot find another code in this block that works, press the PLAY button to continue searching through the code blocks. When the onent turnsoff again, press the REVERSE key to find the code in that block that makes your component turn back on. 3. Once the unit turns back on, you have found another code

that operates the component. Press the STOP key. 4. Test the key's functionality again by attempting to control a variety of the component's functions. If the code that has been stored controls the majority of the component's functions, programming is complete. If the code stored does not give maximum functionality, try another code.

5. Repeat the Auto Code Search Method from step 1. Each time a code tums the component on or off, you have found a code that operates the remote and needs to be tested for maximum firetionality. Continue through the code lists,

cycling through the codes you have already tried, until you **Code Retrieval** 

Once you've programmed the remote to control your components, you may want to record the codes for future reference. If you used the Direct Code Entry method, this is easy. Just find the codes you entered and make a note of them in the boxes below. If you used one of the Code Search nethods to program your remote or if you used the Direct Entry method but don't remember the code, you will need to retrieve each component's four-digit code. Retrieving the actual code and writing it down will save you time if you ever need to program the remote again (e.g., If programming is lost when you change the batteries). If the codes are recorded, you can use your components, which is quick and easy

1. Press and hold the componentey (TV, SAT•DTC, DVD•VCR, DVR•AUX) whose code you wish to retrieve. The LED turns on. Keep pressing the component key. 2. While holding the component key down, press and hold

the INFO key. The LED turns off. After holding down both keys for three seconds, the LED turns back on.

3. Release both keys. The LED remains or 4. Starting with the number 1 key, press and release each number key on the keypad in the following order (1-9, then 0). The number that causes the LED to blink is the first number of the code. As you find each number of the code write it down for future reference.

Note: All TV codes begin with the number 1; all VCR and DVR

codes begin with the number 2: all DVDs, the number 3: and all

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satellite receivers and cable boxes, the number 5.

5. Repeat step 4 until you have retrieved all four numbers in the code. After the fourth number is retrieved, the LED

### **Accessing Component Menus** and Guides

Today's advanced components use on-screen menus and guides to help you navigate through all their features and programming. While this remote may not access every menu or guide system of every component model, it does offer some menu and guide functionality.

To use a component's on-screen menu or guide system, you first have to put the remote in Menu or Guide Mode. 1. Make sure your components are turned on and your TV is set to a component input (Use the INPUT key to toggle through inputs when in TV Mode.)

3. To access menus, press the MENU key. To access guides, press the GUIDE key. The LED blinks, indicating you are in Menu or Guide Mode. 4. Use the VOL+/- and CH+/- keys to navigate through the on

item, press the OK key. TIP: If the remote doesn't respond, check to see that the LED is still blinking. The LED times out after 20 seconds. If this bappens, just press the MENUkey again. and then retry your selection.

-screen menu system or guide. To select the highlighted

Exiting a Menu Mode

The remote automatically times out of Menu Mode after 20 seconds of inactivity (no keys being pressed). At that time, the remote clears the displayed menu from the TV. If you want to exit the Menu Mode yourself, press the corresponding component key on the remote (TV, SAT-DTC, DVD•VCR, DVR•AUX). The LED tums off.

# **Troubleshooting**

Problem: The remote does not operate your component. You must put the remote in the correct mode by pressing the corresponding component key (TV, SAT-DTC, DVD-VCR, DVR-AUX) so the remote knows which component you want to

> Remove any obstacles between the remote and the component Make sure to aim the remote at the IR sensor on the component Make sure the batteries are fresh and are properly installed. (See

Battery Installation on page 1.) Replace the batteries with two new AAA batteries, if necessary, Reprogramming may be required. Reset the remote. Remove the batteries, then press and hold the number 1 key on the remote for several seconds to reset the nicroprocessor inside the remote. Release the number 1 key, reinstall the batteries, and press the POWER key. If the LEI

up, reprogram the remote and try again. If the LED doesn't light up, replace the batteries with new ones. Problem: The remote can't be programmed to operate

If you are testing the remote after you have entered the code, you may be too far away from the component or at a wrong angle. This remote uses IR (infrared) technology to communicate with components. The remote sends the code, and the component's IR sensor reads the code Therefore, there must be an unobstructed path between the remote and the IR sensor on the component. Move closer and make sure you point the remote at the component (DVD player or VCR when mming the DVD-VCR key; TV when programming the TV key; satellite or cable box when programming the SAT\*DTCkey, DVR

or auxiliary component when programming the DVR·AUXkey). If you've used the Direct Entry programming methods to enter the codes for your brand and the unit is still not functioning properly try one of the Code Search methods. To control combo units, like TV/VCRs or TV/DVDs, you must program the individual corresponding component keys to control each part of the combo unit. Once programmed successfully,

the TV key controls the TV functions, and the DVD VCR key controls the VCR or DVD functions. There is a specific section in

the Code Lists for combo units. The codes in this section should be tried first using Direct Code Entry on the TV and DVD•VCR keys. If this is unsuccessful, follow the normal programming methods for both the TV and the DVD.VCR keys. Make sure the batteries are fresh and are properly installed.

Problem: The remote doesn't perform commands properly. • You must put the remote in the correct mode by pressing the corresponding component key(TV, SAT•DTC, DVD•VCR, DVR•AUX)so the remote knows which component you want to

Make sure component is "ready" (e.g., DVD player has disc loaded: VCR has tape loaded, etc.).

 You may have pressed an invalid key for the mode the nemote is in. • If you're trying to turn on an RCA, GE, or PROSCAN component, press the component key (TV, SAT  $\cdot$  DTC, DVD  $\cdot$  VCR, DVR•AUX) instead of the POWER key

If you're trying to enter a channel number directly, try pressing the ENTER key after entering the channel number as this is a requirement of certain models and brands. There is a possibility that a programmed code may only be able to control some of your component features (e.g., only tums a component on and off). To confirm that the component key is programmed with the correct code for maximum functionality, test the component. Attempt to control a variety of the component's

functions with the remote. If some of the features of your

components do not work, try programming the remote with a

different code in the list using the Direct Code Entry Method, unul you find the code that allows the remote to control the najority of your component's functions. Different codes can provide different levels of functionality. Problem: The LED does not light when you press a key. · You may have pressed an invalid key for the mode the remote is in. You must put the remote in the correct mode by pressing he corresponding component key (TV, SAT•DTC, DVD•VCR,

DVR•AUX)so the remote knows which component you want to

Make sure the batteries are fresh and are properly installed. (See Battery Installation on page 1.) Replace the batteries with two new AAA batteries, if necessary. Reprogramming may be required. Problem: The VCR won't record Make sure the remote is in DVD•VCR Mode. Make sure the tape is properly loaded in the VCR.

 Make sure the tape is not write-protected. If the safety tab is removed the tape is write-protected, and you cannot record onto Problem: The remote will not change channels on

· You must put the remote in the correct mode by pressing the corresponding component key (TV, SAT·DTC, DVD·VCR, DVR•AUX) so the remote knows which component you want to

 Press the ENTER key after you enter a channel number. Remove any obstacles between the remote and the component Make sure to aim the remote at the IR sensor on the component Problem: The component's menu does not appear on the

 Make sure you have connected your component to your TV properly and selected the correct input. (See your components Owner's Manuals for proper connection procedures.) • You must put the remote in the correct mode by pressing the corresponding component key (TV, SAT· DTC,DVD·VCR,

Menu access isn't supported for all brands. If that's the case, you'll

need to use your original remote control to access menu functions

DVR•AUX) so the remote knows which component you want to

NOTE: This equipment has been tested and found to comply with the limits for 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 or television reception,

which can be determined by turning the equipment off and on, the

Modifications not approved by the party responsible for compliance,

could void user's authority to operate the equipment.

user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna -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

B, Decca: 1056 Denon: 1053 Clarion: 1035 | Brockwood: | Concerto:1004, | 1013,1078 | Durabrand: 10 Dynatech: 1004 3,1204 1133,1143,1147, Croslex:1082 Crosley: 100 
 Amplivision:
 Candle: 1004, 1065
 Crown: 1035, 1056, 1060, 1123
 Carnivale: 1004, 10126 | Curtis Mathes: 1004, 1012, | 1046 Elin:1056 Emerson:1003 | <u>Envision:</u>1004 ,1078,1083, Ferguson:1056 Finlux:1056

| Grundy:1035, | 1176,1181,1202, | 1126 | 1045,1056,1123 | 1209,1213,1220, | Konig:1056 | | Hallmark:1004, | Interfunk:1056 uturetech: <u>Gateway:</u>1142, Harvard: 103 Hello Kitty:1 Hinari:1056 },∣|<mark>Loewe:</mark>1 , Logik:1 Seneral Electric: 1065,1078,108 3, Jensen Hypsyn:1056 IC Penny:1078 ICE:1065 ILO:1054,1133, Magnasonic: , <u>Magnavox:</u>100 1014,1046,105 Goodmans: | Indiana:1056 1056,1065 | Infinity:1051, Kendo:1056 | Innova:1 081,1084,1089, Insignia:10 <u>Granada:</u>1056, , Kloss:1073 Kloss Novabeam: Majestic: 1006

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