

DR-3

**UNIFIED LEARNING
REMOTE CONTROL**

**INSTRUCTION
MANUAL**

polkaudio
the speaker specialists®

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INTRODUCTION

The Polk Audio DR-3 Unified Learning Remote was designed to operate the Polk Audio Digital Solution home theater system and Polk Audio DP-1 CD/DVD player. It can also be programmed to operate most DVD and CD players, TVs, Cable and DSS tuners as well as VCRs. By following the easy steps in this manual, you can reduce or eliminate the need for having several remote controls on your coffee table.

As nifty as it may be, the DR-3 unified remote cannot duplicate every function of every remote control without turning it into a nightmare of tiny buttons. For control of the rarely used functions of the Digital Solution preamp/processor and the other equipment in your system, you'll have to use their dedicated remotes. If you can't find them, look under the sofa cushions; they're probably there.

All of the buttons except for the CODE, SAVE, CNCL, LEARN, LIGHT, MACRO, VOL UP, VOL DOWN, SURROUND MODE, MUTE, SYSTEM POWER, SUB+, SUB- and the eight MODE buttons have "learn" functions and can learn the commands of other remote control devices.

POLK AUDIO LIMITED WARRANTY

Polk Audio, Inc., warrants to the original purchaser only that the **DR-3 Remote Control** (the "Product") will be free from defects in material and workmanship for a period of three (1) year from the date of original retail purchase from a Polk Audio Authorized Dealer. However, this Warranty will automatically terminate prior to the expiration if you sell or otherwise transfer the Product to any other party. The original retail purchaser shall hereinafter be referred to as "you." To allow Polk Audio to offer the best possible warranty service, please fill out the Product Registration Card(s) and send it to the Factory, at the address provided on the Product Cards(s) within ten (10) days of the date of purchase.

Defective Products must be shipped, together with proof of purchase, prepaid insured to the Polk Audio Authorized Dealer from whom you purchased the Product, or to the Factory at 2550 Britannia Boulevard, Suite D, San Diego, California 92154. Products must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If upon examination at the Factory or Polk Audio Authorized Dealer it is determined that the unit was defective in materials or workmanship at any time during this Warranty period, Polk Audio or the Polk Audio Authorized Dealer will, at its option, repair or replace with new or reconditioned parts this Product at no additional charge, except as set forth below. All replaced parts and Products become the property of Polk Audio. Products replaced or repaired under this warranty will be returned to you, within a reasonable time, freight prepaid.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defect in

materials or workmanship, or service, repair, or modification of the Product which has not been authorized or approved by Polk Audio. This warranty shall terminate if the Serial number on the Product has been removed, tampered with or defaced.

This warranty is in lieu of all other expressed Warranties. If this Product is defective in materials or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will Polk Audio, Inc. be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if Polk Audio, Inc. or a Polk Audio Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you.

All implied warranties on this Product are limited to the duration of this expressed Warranty. Some states do not allow limitation on how long an implied Warranty lasts, so the above limitations may not apply to you. This Warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

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DR-3 REMOTE GUIDED TOUR

See the chart on page 6 for the functions of each button with various device types.

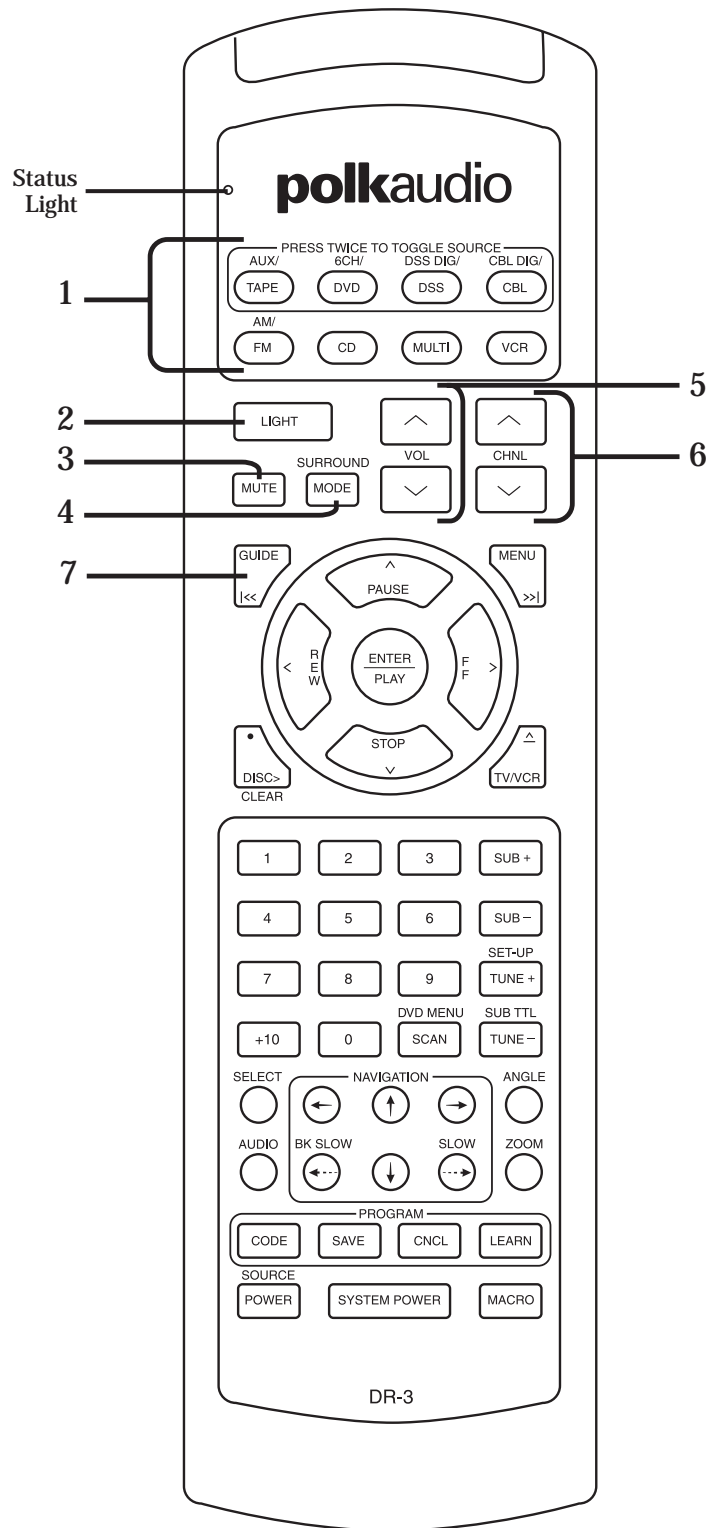
- 1. Source/Device Area** – These buttons serve two functions: to select the device that the remote will control and to change inputs on the Digital Solution preamp/processor. For example if you want to play the DVD player, push the “DVD” button on the top row. The Digital Solution preamp/processor will switch to the DVD input (if it is on) and the buttons on the DR-3 remote will be set to operate the DP-1 CD/DVD player.

The top buttons bordered by the gold box are multi-function buttons. That is, they can select more than one input. Press the DVD/6CH button once and it selects the DVD input on the pre-amp/processor and allows the DR-3 to act as the remote for the DP-1 CD/DVD player. Press it a second time and the DS preamp switches to the 6CH Analog input for a DVD-Audio or multi-channel SACD player. What these buttons can't do is select more than one set of remote codes. You can program ONE device per Source button. Don't worry, it isn't very likely that you are going to have both a digital and an analog cable tuner or two DVD players hooked up to your system. Of course, before the DR-3 can operate any device other than the DS preamp/processor and DP-1 CD/DVD player, you have to insert the device's remote codes into the DR-3. (See page 7 for instructions on how to program and use this remote for other devices.)

IMPORTANT NOTE: The VOL \wedge \vee , SURROUND MODE, MUTE, SUB+ and SUB- buttons are permanently assigned to Digital Solution preamp/processor functions. No matter what other device you have selected on the DR-3 remote, you can always adjust the DS system volume, subwoofer level, mute and surround mode functions.

- 2. LIGHT** – Back lights the remote buttons for 8 seconds so you can operate the remote in the dark. The function of this button does not change when you enter program codes for other devices.
- 3. MUTE** – Mutes the sound of the Digital Solution preamp/processor system. To disengage the mute function and go back to normal playback volume, press the MUTE button again or press either of the VOLUME buttons. The function of this button does not change when you enter program codes for other devices.
- 4. SURROUND MODE** – This button toggles between the various audio modes of the Digital Solution system such as stereo, Dolby Pro-Logic, 5 Channel Surround, etc. The function of this button does not change when you enter program codes for other devices.
- 5. VOL \wedge \vee** – These buttons control the volume of the Digital Solution preamp/processor. The functions of these buttons do not change when you enter program codes for other devices.
- 6. CHNL \wedge \vee** – With the Digital Solution system these buttons step through the preset radio stations just like the Radio Preset +/- rocker buttons on the DR-2 remote (included with the DS System). With other TV devices (TV, cable boxes, VCR, etc.) these buttons act as channel up and down buttons.

- 7. GUIDE \llcorner** – With DVD and CD players this button acts as a chapter skip button to skip back to previous DVD chapters or CD tracks. With a TV it acts as the “Display” button to call up the channel, time and other on-screen display data. With DSS, cable boxes and TIVO-type devices it calls up the programming guide screen.



8. **MENU** >>| – This button acts as a chapter skip button to skip forward through DVD chapters or CD tracks. With TVs and other video devices it calls up the device menu.

9. **^ PAUSE** – This button acts as the pause/step frame button for the DP-1 CD/DVD player, VCRs, CD players and TIVO-type video storage devices. To return to normal play, press the PLAY button. With DSS and cable tuner boxes and the Multi-room function of the Digital Solution system, it acts as the up arrow navigation button for the on-screen display.

10. **< REW** – With DVD, CD, VCR and TIVO-type players, this button acts as a rewind or back button. For DSS, cable boxes, TVs and the Multi-room function of the Digital Solution system, it acts as the left navigation button for on-screen displays.

11. **ENTER/PLAY** – With DVD, CD, VCR and TIVO-type players, this button acts as a Play button. With all devices it acts as the Enter button to select items on an on-screen display.

12. **FF >** – With DVD, CD, VCR and TIVO-type players, this button acts as a fast-forward or forward button. For DSS, cable boxes, TVs and the Multi-room function of the Digital Solution system, it acts as the right navigation button for on-screen displays.

13. **STOP** ∨ – With DVD, CD, VCR and TIVO-type players, this button acts as the Stop button. For DSS, cable boxes, TVs and the Multi-room function of the Digital Solution system, it acts as the Down navigation button for on-screen displays.

14. **• DISC > /CLEAR** – Acts as the Clear command for CD and DVD players. Acts as the Record button for all recording devices such as VCR, TIVO, etc. (The little red dot means "record".) This button has no function with the Digital Solution preamp/processor.

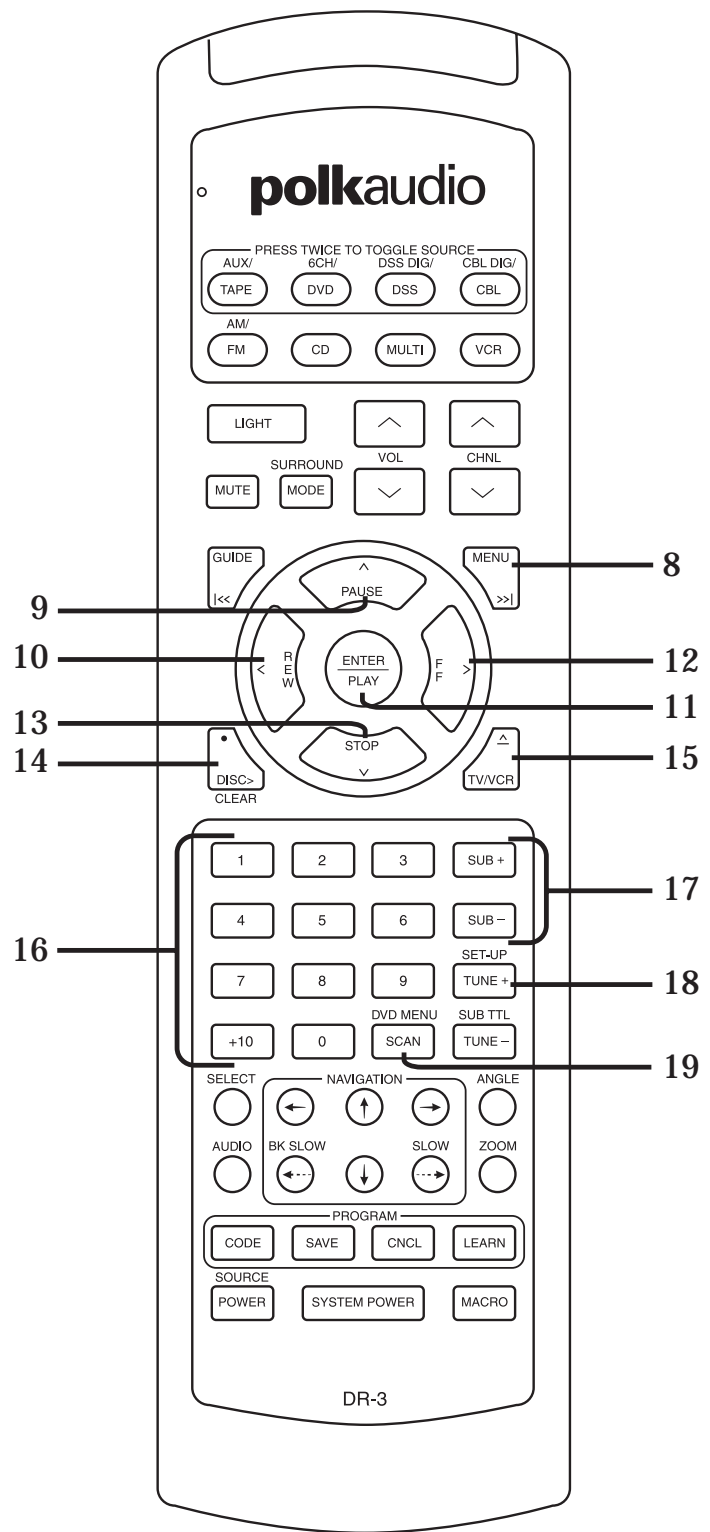
15. **^ TV/VCR** – This button opens and closes the disc drawer of CD and DVD players. It acts as the (TV/VCR) input toggle switch on TVs and VCRs and other video devices. It has no function with the Digital Solution preamp/processor.

16. **Numeric Keypad** – Acts just like the number keypad on all other devices. These buttons have no function with the Digital Solution preamp/processor. The +10 button acts as the Previous Channel function on cable boxes and TVs. With CD players it acts as the Repeat button.

17. **SUB+ and SUB-** – These buttons raise and lower the volume of the Digital Solution subwoofer just like the SUBWOOFER +/- buttons on the DR-1 & DR-2 remotes. The function of these buttons does not change when you enter program codes for other devices.

18. **Tune+/SET-UP** – Acts as the manual "tune up the dial" control for the radio of the Digital Solution system and calls up the Setup menu of a DVD player. For the function on other devices see the chart on page 6.

19. **SCAN/DVD MENU** – With the Digital Solution tuner this acts as the Preset Scan button. With DVD players it calls up the DVD software menu.



20. TUNE-/SUB TTL – Use to manually tune the radio on the Digital Solution system. Acts as the Subtitle toggle switch on DVD players. For the function on other devices see the chart on page 6.

21. SELECT – This button selects a choice on a menu such as the set up menu of a DVD player or the title menu of a DVD disc. With DSS and cable boxes it acts to call up “Favorites.” It has no function with the Digital Solution preamp/processor.

22. AUDIO – This button toggles through the available audio tracks on a DVD. For example, if a DVD disc has a 2 Channel audio track, a Dolby Digital 5.1 and a French language track, each time you push this button, the next available audio track will play. This eliminates the hassle of going back to the DVD’s main menu to change the audio type. This feature may not work with all DVDs and players.

23. NAVIGATION – These buttons allow you to move among setup menus to select operations. For example if you are looking at a DVD’s main title menu and you want to move to the Scene Selection menu, push the appropriate arrow button to move to the Scene Selection graphic on the TV screen.

24. BK SLOW – With most DVD players, use this button to make the DVD play at a slower than normal backwards.

25. SLOW – With most DVD players, use this button to make the DVD play at a slower than normal forward speed.

26. ANGLE – Acts to toggle between available camera angles on selected DVDs. Acts as the “Live TV” button on TIVO-type boxes.

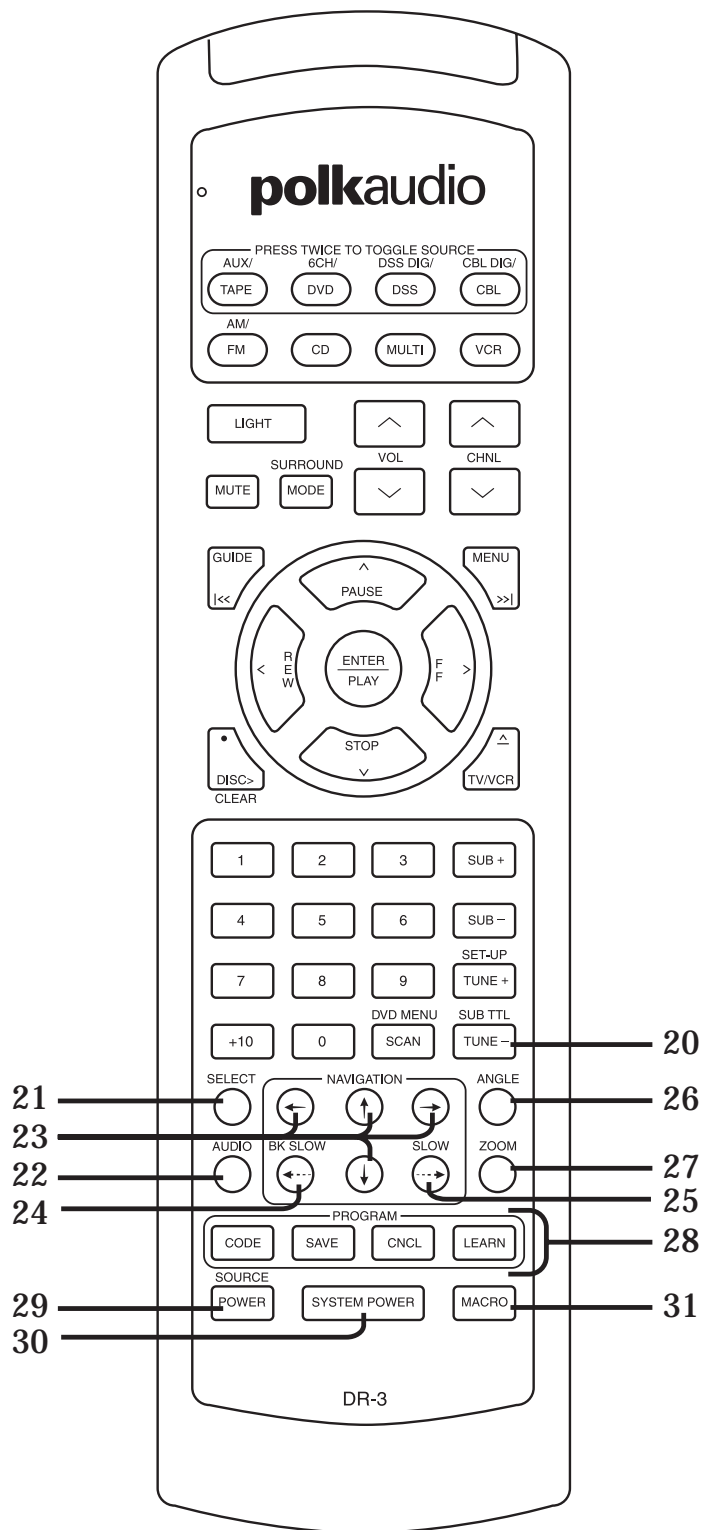
27. ZOOM – This button serves as the “Zoom” button with DVD players that have a zoom feature.

28. Program Area – These four buttons allow you to program in the codes for other remotes or “teach” the remote specific commands. They cannot be reprogrammed for any other functions. See pages 7 - 11 for specific programming instructions.

29. SOURCE POWER – This button acts as the on/off button for the other components in your system once you have entered their remote codes into the DR-3. See pages 7 - 11 to learn how to program the DR-3 to operate other devices.

30. SYSTEM POWER – This button turns on and off the Digital Solution system *only*. This function does not change when you enter program codes for other devices

31. MACRO – The MACRO button can send out a sequence of up to 20 commands with one button press. It can be programmed for up to eight Source buttons. This allows you to perform multi-step operations with just one button-push. For example, you can program the MACRO button to turn on the TV, turn on the DS system, turn on the DVD player, select the correct Video input, and open the DVD drawer with the push of just one button. See pages 12 - 13 for Macro programming instructions.



DR-3 FUNCTION LIST

Button Name	FM/AM	DVD/6CH		DSS	CBL/CBL DIG		AUX/TAPE	CD	MULTI	VCR
		Polk DVD	Others		CBL	TV				
TAPE/AUX (Toggle)										
DVD/6CH (Toggle)										
DSS/DSS DIG (Toggle)										
CBL/CBL DIG (Toggle)										
FM/AM (Toggle)										
CD										
MULTI										
VCR										
LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT	LIGHT
MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE
SURROUND MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE	MODE
VOL UP ^	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP	VOL UP
VOL DN v	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN	VOL DN
CHNL UP ^	PRESET UP			CH +	CH +	CH +				CH +
CHNL DN v	PRESET DN			CH -	CH -	CH -				CH -
UP/PAUSE ^		PAUSE	PAUSE	UP	UP	UP		PAUSE	UP	PAUSE
DOWN/STOP v		STOP	STOP	DOWN	DOWN	DOWN		STOP	DOWN	STOP
RIGHT/FF >		SCAN +	SCAN +	RIGHT	RIGHT	RIGHT		FF	RIGHT	FF
LEFT/REW <		SCAN -	SCAN -	LEFT	LEFT	LEFT		REW	LEFT	REW
ENTER/PLAY		PLAY	PLAY	SELECT	SELECT	SELECT		PLAY	ENTER	PLAY
GUIDE/ <<		SKIP -	SKIP -	GUIDE	GUIDE	DISPLAY		SKIP -		
MENU/>>		SKIP +	SKIP +	MENU	MENU	MENU		SKIP +		
REC/DISC>		Clear	Clear	EXIT	EXIT	STD		DISC >		RECORD
^ /TV/VCR		OPEN/CLOSE	OPEN/CLOSE	TV/DSS	BYPASS	TV/VCR		OPEN/CLOSE		VCR/TV
1 to 0		1 to 0	1 to 0	1 to 0	1 to 0	1 to 0		1 to 0		
PLUS10				PRE-CH	PRE-CH	PRE-CH		REPEAT		
SCAN/DVD MENU	PRE-SCAN	TOP MENU	MENU	ENTER	ENTER	ENTER		SCAN		
SUB +	SUB +	SUB +	SUB +	SUB +	SUB +	SUB +	SUB +	SUB +	SUB +	SUB+
SUB -	SUB -	SUB -	SUB -	SUB -	SUB -	SUB -	SUB -	SUB -	SUB -	SUB-
TUNE +/SET-UP	TUNE +	SET-UP	SET UP	ALT	Page+					
TUNE -/SUB TTL	TUNE -	SUB TTL	SUB TTL	NEXT	Page-					
Select		SELECT	SELECT	FAV	FAV					
LEFT (-)		LEFT	LEFT	INFO	INFO					
UP (↑)		UP	UP							
RIGHT (→)		RIGHT	RIGHT							
ANGLE		ANGLE	ANGLE							
AUDIO		AUDIO	PLAY MODE							
BK SLOW (↔)		BK SLOW	RETURN							
DOWN (↓)		DOWN	DOWN							
SLOW (⇨)		SLOW	SLOW							
ZOOM		ZOOM								
CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE
SAVE	SAVE	SAVE	SAVE	SAVE	SAVE	SAVE	SAVE	SAVE	SAVE	SAVE
CNCL	CNCL	CNCL	CNCL	CNCL	CNCL	CNCL	CNCL	CNCL	CNCL	CNCL
LEARN	LEARN	LEARN	LEARN	LEARN	LEARN	LEARN	LEARN	LEARN	LEARN	LEARN
SYSTEM POWER	POWER	POWER	POWER	POWER	POWER	POWER	POWER	POWER	POWER	POWER
SOURCE POWER		POWER	POWER	POWER	POWER	POWER	POWER	POWER		POWER
MACRO	MACRO	MACRO	MACRO	MACRO	MACRO	MACRO	MACRO	MACRO	MACRO	MACRO

PROGRAMMING THE REMOTE

Manual Three-Digit Code Method

The DR-3 remote control can duplicate the remote functions of most brands of audio/video equipment by simply entering in a three-digit code number. When you enter in the code the DR-3 “learns” most or all of the remote functions of that equipment so you don’t need to program the DR-3 button by button. There are tables on pages 14 - 15 that list the major audio/video brands and their three-digit remote codes.

Quick Instructions

1. Look up code number
2. Turn on equipment
3. Press and hold CODE until the Status Light glows red
4. Press Source/Device button
5. Enter code number
6. Press SAVE

Detailed Instructions

1. Look up the type and brand of equipment you wish to duplicate in the tables that appear on pages 14 - 15 in this manual. For example, if you wish to program the DR-3 to operate a Panasonic VCR, go to the VCR chart on page 15 and find the code(s) for Panasonic. It might be a good idea to jot that number down on this page so you have it handy as you move through the programming steps.

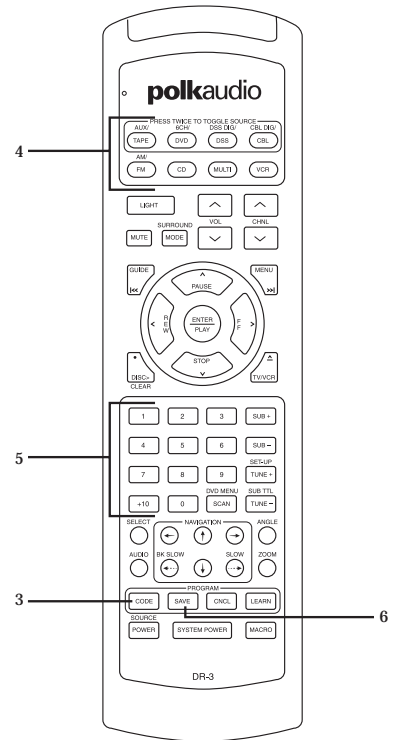
Note: If there is more than one three-digit number listed for your brand, try one code number at a time until your equipment turns off after the last step in the programming process. When your equipment turns off, you have selected the right code. You can also verify that you have programmed the correct three-digit number by pressing the **SOURCE POWER** button. Your equipment should turn On and Off.

2. Turn on the equipment you wish to program.

NOTE: From here on in you have 20 seconds to perform each step. If the Source/Device button light goes off, you need to back up a step and do it again. You can exit the set-up mode by pressing the **CNCL** (cancel) button at any time in the process.

3. Press and hold the **CODE** button for two seconds. The red status light at the top left of the remote will turn on.
4. Press the **Source/Device** button you wish to program (e.g. VCR, DVD, etc.). The Source button will light up. In the case of the Panasonic VCR example, you would push the VCR Source button.
5. Point the Polk DR-3 remote control toward the equipment and enter the first listed three-digit code number of your brand of equipment. The Status light and the Source/Device button will blink once for each button pressed. *The equipment will turn off when you enter the correct three-digit number.*
6. Press and hold the **SAVE** button for 2 seconds to store the three-digit number. The Status light and the Source/Device button light will blink twice to confirm that the code has been stored, and then turn off.
7. Try all the functions on the remote control.

NOTE: If any of the functions do not work as they should, repeat the programming process using the next three-digit code number assigned to your brand. If only one or two buttons don’t work right, it may be easier to individually “teach” the DR-3 those commands (see page 9) or use the Auto Search method (see page 8) rather than trying all the three-digit codes.



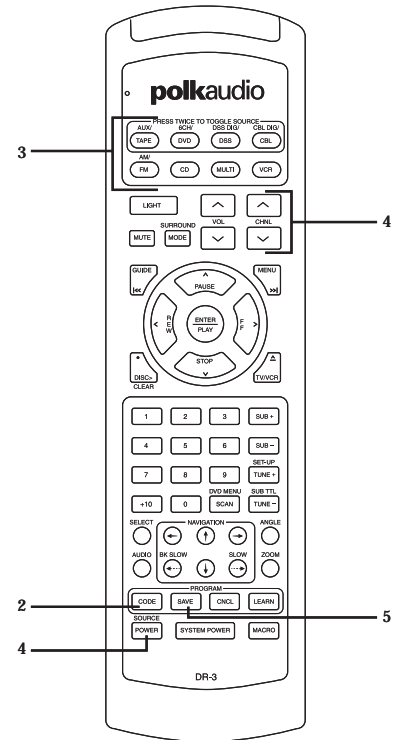
PROGRAMMING THE REMOTE

Auto Search Method

If none of the three-digit code numbers assigned to your brand shut off your equipment or if your brand of equipment is not listed in the code tables, you can use the Auto Search Method to find the correct three-digit number for your equipment.

1. Turn on the equipment you wish to program.
NOTE: From here on in you have 20 seconds to perform each step. If the **Source/Device** button light goes off, you need to back up a step and do it again. You can exit the set-up mode by pressing the **CNCL** (cancel) button at any time in the process.
2. Press and hold the **CODE** button for two seconds. The red status light at the top left of the remote will turn on.
3. Press the **Source/Device** button you wish to program (e.g. VCR, DVD, etc.). The **Source/Device** button light will turn on.
4. Press and hold the **CH UP** or **CH DOWN** button. The remote will emit a series of Power On/OFF code signals that are stored in its memory. Release the **CH** button as soon as the equipment turns off. You can verify that you have chosen the correct code by pressing the **SOURCE POWER** button, the device should turn On and Off. The status light and the **Source/Device** button will blink.
5. Press and hold the **SAVE** button for two seconds to store the code. The status light and the **Source/Device** button light will blink twice and then turn off to confirm that the code has been stored.

Note: You can verify that you have chosen the correct code by pressing the **SOURCE POWER** button, the device should turn On and Off. The status light and the Source/Device button will blink.

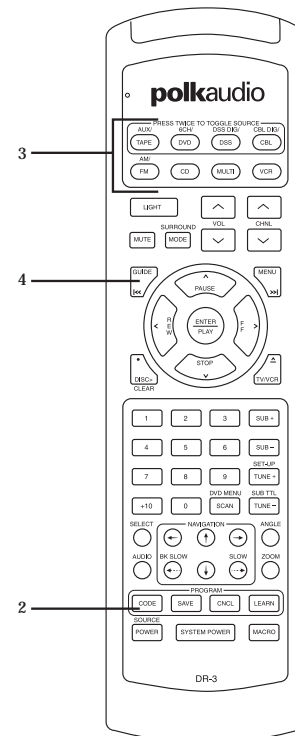


Finding the Three-Digit Code Number for a Device

If you are curious which three-digit code was auto-assigned to a given Source button follow these steps:

1. Turn on the equipment you wish to operate.
2. Press and hold the **CODE** button for two seconds. The red status light at the top left of the remote will turn on.
3. Press the **Source/Device** button for which you want to find the three-digit number. The **Source/Device** button light will turn on.
4. Press the **GUIDE** button. The red status light and Source button will blink indicating the number for each digit of the three-digit code number. Each digit is separated by a 1 second "off" interval of the light.

Example: One blink, LIGHT OFF, Three blinks, LIGHT OFF and Eight blinks, indicates that the three-digit code number 138 is stored in the remote for that device. Note: Ten blinks are equal to the number 0.



PROGRAMMING THE REMOTE

Teaching Method

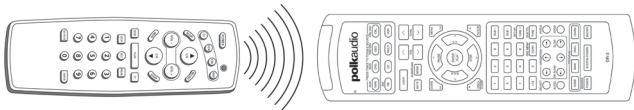
From time to time the three-digit programming method doesn't automatically program in all of the commands of the original remote. In such cases you can "teach" the DR-3 individual commands from your original equipment remote control. New commands can be taught to any button except the eight Source/Device buttons at the top of the remote and the LIGHT, MACRO, LEARN, CODE, SAVE, CNCL, MUTE, SURROUND MODE, VOL UP, VOL DOWN, SUB+, SUB- and SYSTEM POWER buttons.

The remote control provides visual feedback via the status light that is located at the top left of the remote control, and the Source/Device buttons. The status light glows in three colors (red, orange and green). These lights will assist you in programming in the learning section of the remote control.

NOTE: You have 20 seconds to perform each step. If the source button light goes off, you need to back up a step and do it again. You can exit the learning mode by pressing the CNCL (cancel) button at any time in the process.

Quick Instructions

Place the DR-3 remote and the original remote controls on a table pointing toward each other as shown in the illustration.



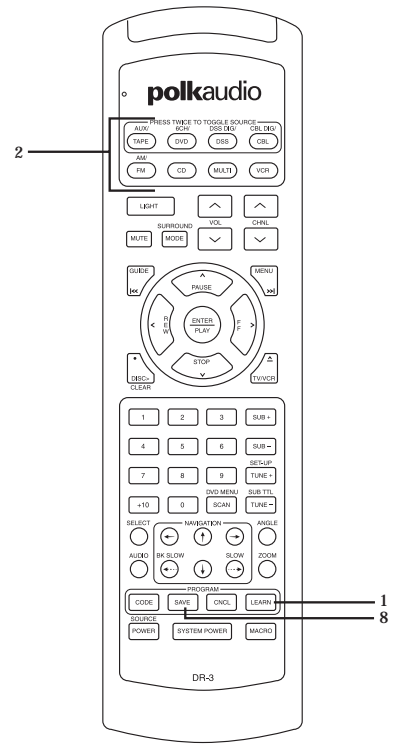
1. Press **LEARN** for two seconds
 2. Select device type with source buttons
 3. Push button to be taught on the DR-3
 4. Push and hold the button on other remote
 5. Wait for green light
 6. Release button & press/hold it again until green light blinks, release
 7. Repeat steps 3 - 6 for other buttons
 8. Press **SAVE**
- Start from the beginning for each device.

Detailed Instructions

Place the DR-3 remote and the original remote controls on a table pointing towards each other as shown in the illustration.

1. Press and hold the **LEARN** button on the DR-3 for two seconds. The status light at the top left of the remote will glow orange.
2. Select the **Source/Device** mode in which you would like to teach the new command. The **Source/Device** button will light up. For example if you wanted to teach a command to the **MENU** button in the **DSS** mode on the remote, you would select the **DSS Source/Device** button and then continue the instructions below to teach the new command to the **MENU** button.
3. Press the button on the DR-3 that is to be taught the new command. The orange status light will begin to flash continuously. The Source/Device light will turn off.
4. On the source remote control (original equipment remote control), press and hold the button for the command to be learned until the status light on the DR-3 remote turns green.
5. Release the button on the source remote control.

6. Press the button on the source remote control once again to verify that the new command has been learned correctly. The status light on the DR-3 will flash green twice and then turn to a steady orange color to indicate that the programming was successful. The Source/Device button will light.
7. Repeat Steps 3 through 6 for any other buttons to be taught in the device mode selected in Step 2.
8. Press and hold the **SAVE** button for two seconds to save the programmed information. The orange status light flashes twice. The Source/Device button light will turn off.

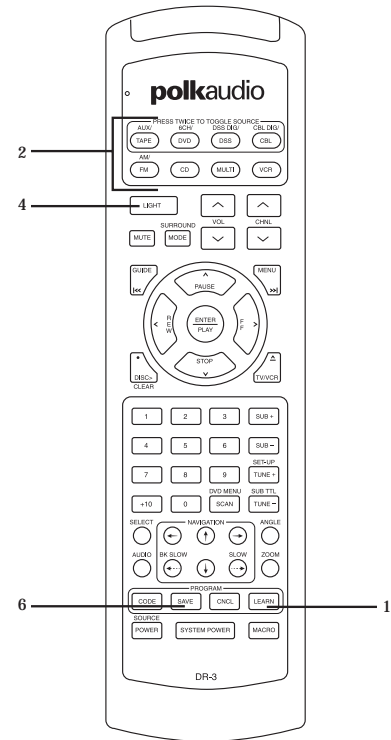


PROGRAMMING THE REMOTE

Erasing a Learned Command From a Button

NOTE: You have 20 seconds to perform each step. If the source button light goes off, you need to back up a step and do it again. You can exit by pressing the CNCL (cancel) button at any time in the process.

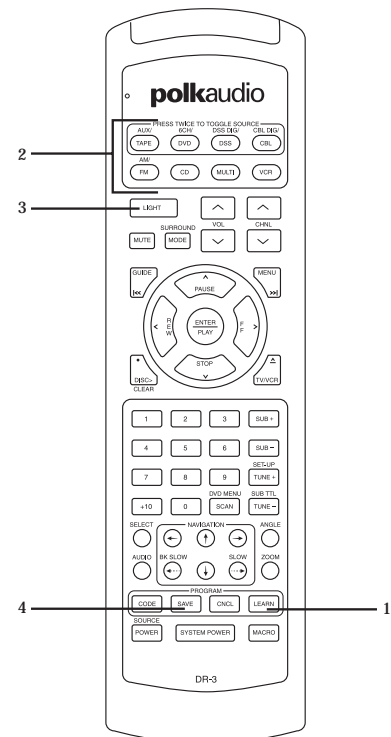
1. Press and hold the **LEARN** button for two seconds.
The status light at the top left of the remote will glow orange.
2. Press the **Source/Device** associated with the button you wish to erase. The Source/Device button light will turn on.
3. Press the button that is to be erased. The orange status light will flash continuously and the Source/Device button will turn off.
4. Press the **LIGHT** button. The status light will flash twice, then turn to a steady orange. The Source/Device button will turn on.
5. Repeat from Step 3 for any other buttons to be erased in the selected device mode.
6. To save your changes, press the **SAVE** button. The orange status light will flash twice and then turn off. The Source/Device button will turn off.



To Erase All the Learned Commands in One Source/Device Mode:

NOTE: You have 20 seconds to perform each step. If the source button light goes off, you need to back up a step and do it again. You can exit by pressing the CNCL (cancel) button at any time in the process.

1. Press and hold the **LEARN** button for two seconds.
The status light at the top left of the remote will glow orange.
2. Press the **Source/Device** button you wish to erase.
The Source/Device button light will turn on.
3. Press and hold the **LIGHT** button for 5 seconds until the status light flashes red five times and then flashes green twice and the Source/Device button turns off. The status light will go to a constant orange indicating that all the learned information on buttons in the Source/Device mode have been erased. The Source/Device button will turn on.
4. To save your changes, press the **SAVE** button. The orange status light will flash twice and then turn off. The Source/Device button will turn off.



PROGRAMMING THE REMOTE

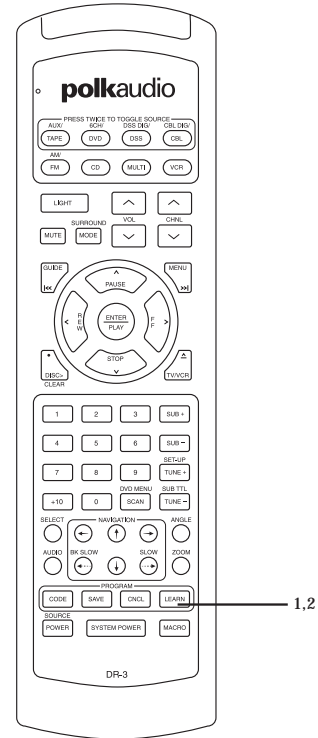
Erasing All the Learned Commands in All Device Modes

This procedure will erase *all* the learned commands on all the buttons in all eight Source/Device modes. Be really, really sure you want to do this before following the steps below.

1. Press and hold the **LEARN** button for two seconds.
The Status light at the top left of the remote will glow orange.
2. Press and hold the **LEARN** button again for 10 seconds. The Status light will flash red continuously. The status light will then flash green once, orange once then turn off, indicating that all of the learned commands in all of the Source/Device modes on the remote control have been erased.

Restoring Factory Programming

If you want to restore the DR-3 to its original programming and operation, press the **LIGHT** and **POWER** buttons simultaneously for 10 seconds. The red status light will blink while the remote is resetting. It will confirm the reset by blinking green and then orange.



MACRO OPERATION

Programming the Macro Button

The MACRO button can send out a sequence of up to 20 commands with one button press. It can be programmed for up to eight Source button macros and perform multi-step operations with just one button push. For example, you can program the MACRO button to turn on the TV, turn on the DS system, turn on the DVD player, select the correct Video input, and open DVD drawer with the push of one just button.

Each Source/Device button can have an associated Macro program. That means you can set up as many as 8 Macros. You cannot set up two different Macros for the same Source/Device button even though the top row buttons can select two inputs. Let's give you an example: the 6CH/DVD Source/Device button can select either the 6 Channel or the DVD input, but only 1 Macro.

Before you begin the Macro programming process, you first have to program all of your system's equipment into the DR-3 remote. Use any of the methods described earlier in this manual to fully program the DR-3 remote. It is a good idea to use your DR-3 remote for a few days to familiarize yourself with its basic operation before setting up MACRO operations.

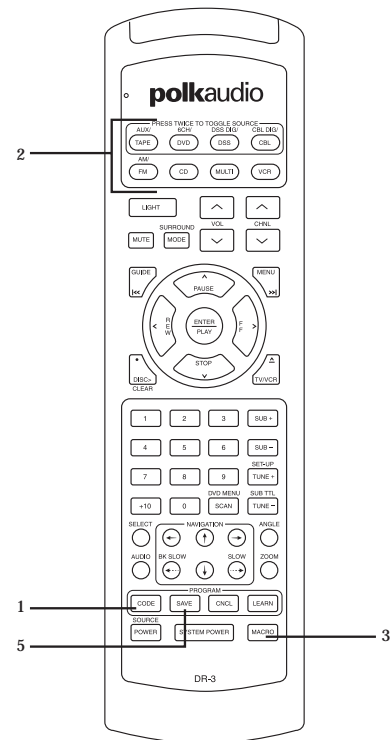
Planning the sequence of commands is very important. For example, some devices (especially TVs) will not accept other commands until they are fully turned "on." You may have to turn on all the devices first, then give them other commands later in the sequence. You may need to try different command sequences to get to the right result. See the example on page 13 to get a feel for programming a Macro.

NOTE: You have 20 seconds to perform each step. If the Source button light goes off, you need to back up a step and do it again. You can exit the set-up mode by pressing the CNCL (cancel) button at any time in the process.

1. Press and hold the CODE button for two seconds. The status light at the top left of the remote will turn red.
2. Press the desired Source/Device button. The button will light up.
3. Press the MACRO button. The status light and the Source/Device button will blink once.
4. Press up to 20 commands you would like to include in the macro sequence starting with the Source button. Pressing a Source button to change modes is counted as one command.
5. Press the SAVE button to store the commands. The red status light and the Source button lights will blink twice and then turn off to confirm the program.

To Erase a Macro Sequence:

Follow the above Steps 1, 2, 3 and 5 without going through Step 4.



MACRO OPERATION

Macro Sequence Programming Example:

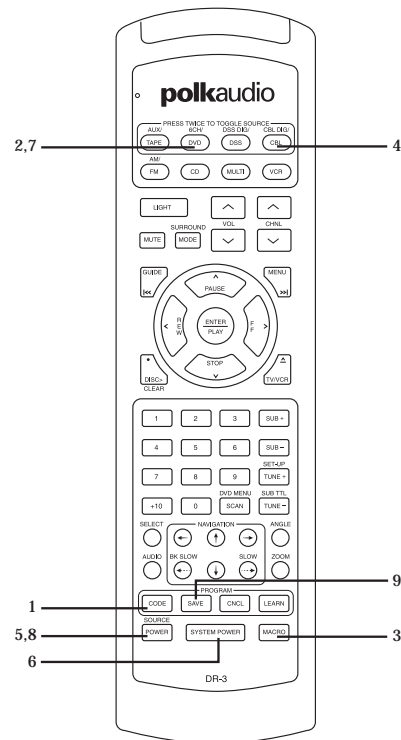
Confused? Don't worry, it isn't as bad as it looks. Let's walk you through a hypothetical Macro sequence to show you how it works. In this example, we are programming the DVD source Macro button to turn on the TV, the Digital Solution system and the DVD player as well as select the DVD player as the source to view. In this case, we are assuming that you have programmed the TV codes into the CBL Source/Device.

1. Press and hold the CODE button for two seconds. The status light at the top left of the remote will glow red.
2. Press the DVD Source button. The DVD Source button will light up.
3. Press the MACRO button. The red status light and the DVD button lights will blink once.
4. Press the CBL Source button
5. Press the SOURCE POWER button to select the TV's power command.
6. Press the SYSTEM POWER button to select the Digital Solution's power command.
7. Press the DVD source button.
8. Press the SOURCE POWER button to select the DVD's power command
9. Press and hold the SAVE button until the red status light and the Source button lights will blink twice and then turn off to confirm the program.

In this example the sequence is important. The DVD turn-on command should be the last command in the Macro string, so that the Digital Solution system's input is on.

Factory Reset

If you want to restore the DR-3 to its original programming and operation, press the **LIGHT** and **POWER** buttons simultaneously for 10 seconds. The red status light will blink while the remote is resetting. It will confirm the reset by blinking green and then orange.



SETUP CODES

Manufacturer/Brand	Set-Up Code Number
Tape/Aux	
PHILIPS TIVO	001
SONY TIVO	002
DVD Player	
GOLDSTAR	057 074 091
HARMAN KARDON	084
HITACHI	101
JVC	012
LG	057 074 091
MAGNAVOX	066 096
MARANTZ	083 095
MITSUBISHI	017
MYRYAD	102
NAD	088
NAKAMICHI	103
ONKYO	035 076
PANASONIC	021 042
PHILIPS	066 083 095
PIONEER	023 092 099 107 108
POLKAUDIO	001
PROCEED	086
PROSCAN	026 027
RCA	026 027
SAMSUNG	056 070
SHARP	094
SONY	033
TATUNG	102
THOMPSON	026 027
TOSHIBA	034 035
YAMAHA	042 089
ZENITH	057 074 091
DSS Player	
EHOSTAR	006
HITACHI	011 012
HUGHES	003 022 031
MITSUBISHI	003 022
PANASONIC	013
RCA	001 014 015
SONY	004
TOSHIBA	003 008
Cable (Cable)	
GENERAL INSTRUMENT	201 230
HAMLIN	216 218 223
JERROLD	211 222 229
NSC	220 221
OAK	209 217 224 226 227 228
PANASONIC	213 215
PIONEER	208 231 232
REGENCY	219
SCIENTIFIC ATLANTA	202 206 212 214 233
TOCOM	203 210
ZENITH	204 207 225

Manufacturer/Brand	Set-Up Code Number
Cable (TV)	
SPECTRICON	112
SSS	004 043
SYLVANIA	001 003 059 060 063 064 164 160 127
SYMPHONICS	052
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHWOOD	004
TEKNIKA	003 004 024 028 043 072 101 143
TELERENT	072
TERA	172
TMK	004
TOSHIBA	015 030 040 062 101
TOTEVISION	143
UNIVERSAL	008
VIDEO CONCEPTS	146
VIDIKRON	174
VIDTECH	004
VORK	004
WARDS	004 008 009 019 028 060 061 063 064 072 074 164
WESTING HOUSE	076
YAMAHA	001 004
YUPITERU	043
ZENITH	072 073 095 103
ZONDA	112

CD	
CARVER	167 041 135 138 139 050 203
DENON	205 226
FISHER	016
H/K	047 033 208 046
JVC	136 163 004
KENWOOD	007 055 023 137 016
MARANTZ	044 041
MONDIAL	147
NAD	215 005 178
NAKAMICHI	218
NIKKO	046
ONKYO	038 168 030 062 169
PANASONIC	068 172
PHILIPS	041
PIONEER	010 020 174
RCA	017 021
REALISTIC	187
SANSUI	171
SHARP	051 173
SHERWOOD	166 096
SONY	225 097 126 133
TEAC	079 140
TECHNICS	068 008 172
VICTOR	004
YAMAHA	012 186 183 046
ZENITH	204 207 225

SETUP CODES

Manufacturer/Brand	Set-Up Code Number
VCR	
AIWA	034 161
AKAI	043 046 124 142 146
AMPRO	072
ANAM	031 103
AUDIO DYNAMICS	012 023 043
BROKSONIC	035 037 129
CANON	028 031
CAPEHART	108
CRAIG	001 040 135
CUIRTIS MATHES	031 041
DAEWOO	117 005 116 010 017 108
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059
EMERSON	006 029 035 153 017 025 005 116 027 031 034 036 037 046 101 129 131 138"
FISHER	001 008 009 010
FUNAI	034
GE	031 063 072 107 109 144 147
GO VIDEO	132 136 151
GOLDSTAR	004 012 020 101 123
HARMAN KARDON	012 045
HITACHI	026 150 018 034 043 063 137
INSTANTREPLAY	031
JCL	031
JCPENNY	004 012 040 101
JENSEN	043
JVC	031 043 048 012 055 060 130 150 152
KENWOOD	014 034 048 047
LLOYD	034
LXI	034 001 004 009 017 101
MAGIN	040
MAGNAVOX	067 031 034 041 068 154 164
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027
MEI	031
MEMOREX	040 101 001 010 014 031 034 053 072 134 139
MGA	045 046 059
MINOLTA	004 020
MITSUBISHI	059 061 004 020 046 051 142
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048
NORDMENDE	043

Manufacturer/Brand	Set-Up Code Number
VCR	
OPTONICA	053 054
PANASONIC	031 070 133 140
PENTAX	004 020 031 063
PHILCO	031 034 067
PHILIPS	031 067 034 054 101
PILOT	101
PIONEER	004 021 048
PORTLAND	108
PULSAR	072
QUARTZ	014
RADIO SHACK	101 123
RCA	144 147 107 109 031 004 020 034 040 041 140 158
REALISTIC	001 008 010 014 031 034 040 053 054 101
RICO	058
RUNCO	072
SALORA	014
SAMSUNG	017 040 107 109 113 115 124
SANSUI	043 048 135
SANYO	001 010 040 014 134
SCOTT	017 037 129 131
SEARS	017 081 001 004 008 009 010 014 020 101
SHARP	053 031 054 165
SHINTOM	024
SONY	056 057 058 001 009 031 052 053 155 002
SOUNDESIGN	034
STS	004
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	010 034
TATUNG	043
TEAC	034 043
TECHNICS	031 070
TEKNIKA	031 034 101
THOMAS	034
TMK	006
TOSHIBA	017 131 004 008 059 082 150 047
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034 046 141
VIDEOSONIC	040
WARDS	001 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	005
YAMAHA	012 034 043
ZENITH	072 034 048 056 058 080 101 153

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