

DP-1

DVD PLAYER

INSTRUCTION MANUAL

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO A QUALIFIED SERVICE PERSONNEL ONLY.

1. Read the Owner's Manual

After unpacking this product, read the owner's manual carefully, and follow all the operating and other instructions.

2. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your product dealer or local Power Company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

3. Grounding or Polarization

This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other is). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

4. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

5. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

6. Water and Moisture

Do not use this product near water—for example, near a bathtub, wash bowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool and other bodies of water.

7. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

8. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, playing particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

9. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

10. Lightning

For added protection of this product during storms, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

11. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

12. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

13. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combina-

tion should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

14. Disc Tray

Keep your fingers well clear of the disc tray as it is closing. It may cause serious personal injury.

15. Burden

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

16. Connecting

When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

17. Sound Volume

Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

18. Sound Distortion

Do not allow the product to output distorted sound for a long time. It may cause speaker overheating and/or a fire.

19. Headphones

When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

20. Laser Beam

Do not look into the opening of the disc tray or ventilation opening of the product to see the source of the laser beam. It may cause sight damage.

21. Disc

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

22. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance—this indicates a need for service.

23. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

24. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

25. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

INTRODUCTION

About This Player and Manual

The Polk Audio DP-1 CD/DVD player and DR-3 Unified Remote Control may be used with any home theater audio component but were designed specifically to be used with Polk Audio Digital Solution home theater systems. We wrote this manual assuming that you are using this DVD player with a Polk Audio Digital Solution system. If you are not, this manual should be adequate to show you how to operate the DP-1 player with other components.

CAUTION:

This Digital Video Disc Player employs a Laser System.

To ensure proper use of this product please read this owner's manual carefully and retain for future reference, should the unit require maintenance, contact an authorized service location—see the service procedure.

Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Laser radiation is visible when the enclosure is open. DO NOT STARE INTO THE LASER BEAM.

FCC NOTICE:

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.

FCC WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDUSTRY CANADA REQUIREMENT:

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (Cable-TV) system installer's attention to Article 820-40 of the NEC, that provides guidelines for proper grounding and, in particular, specified that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

PRECAUTIONS

Handling Your CD/DVD Player

- When shipping the DVD player, always use the original shipping carton and packing materials. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the DVD player. Do not leave rubber or plastic products in contact with the DVD player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD player may become warm after a long period of use. This is normal and not a malfunction.

Interference

- When you place this DVD player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. Move the DVD player away from the TV, radio, or VCR.

Cleaning Your CD/DVD Player

- Use a soft, dry cloth for cleaning.
- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe dry. Do not use any type of solvent, such as thinner and benzene, as they may damage the surface of the DVD player.

Warning: A qualified service technician should perform cleaning and adjustment of lenses and/or other components of the playback mechanism. The DVD player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality will be poor. To maintain high performance, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

Moisture and Condensation Can Harm Your CD/DVD Player

Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD player.

Moisture condensation occurs during the following cases.

- When you bring the DVD player directly from a cold place to a warm place.
- When you use the DVD player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the DVD player in a hot and humid place just after you move the unit from an air-conditioned room.
- When you use the DVD player in a humid place.

Do not use the DVD player when moisture condensation may occur.

If you use the DVD player in such a situation, it may damage discs and internal parts. Let the DVD player sit in a warm dry room for two or three hours. The DVD player will warm up and the moisture will evaporate. Keep the DVD player connected to the wall outlet and moisture condensation will seldom occur.

The Care and Feeding of DVD Discs

Handling Discs

- Do not touch the playback side of the disc.
- Do not attach paper or tape to discs.

Cleaning Discs



- Always keep the disc clean.
- Fingerprints and dust on the disc may cause poor picture and sound. Wipe the disc from the center outward with a soft cloth.
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly from center outward with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvents such as thinner, benzene, commercially available cleaners or anti-static spray for vinyl LPs; they may damage the disc. Steel wool isn't a good idea either.

Weird Stuff About DVDs

- Not all DVD discs are the same in how they function and some may have functions that are not explained in this manual. If you run into such a disc, follow the instructions displayed on the TV screen or DVD package. Be flexible and patient.
- The "NOT PERMITTED" Ⓢ icon will appear when you try to select a function or feature that is not available or permitted on that specific DVD video disc. For example, if you press the "Angle" button on the remote and that DVD was not produced with multiple camera angles, the Ⓢ icon will appear on your TV screen.

On Storing Discs


- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.




CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS: RISQUE DE CHOC ÉLECTRIQUE. NE PAS OUVRIR.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING
TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

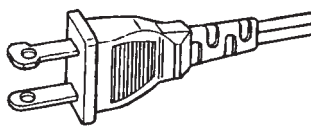


Table of Contents

Safety Warnings.....	2-3
Carton Contents	5
Basic Setup.....	5
Remote Controls.....	6
DR-3 Remote Guided Tour	7-9
DP-1 Setup Menus	10-12
DP-1 Operation	13
Playing a DVD	13
Advanced DVD Operation	14-15
Playing a CD	16
Advanced CD Operation	16-17
Playing an MP3 CD	18
Advanced MP3 Operation.....	19
Troubleshooting Guide	20-21
Specs.....	22
Warranty	23

A Word from Matthew Polk

Dear Home Entertainment Buff,

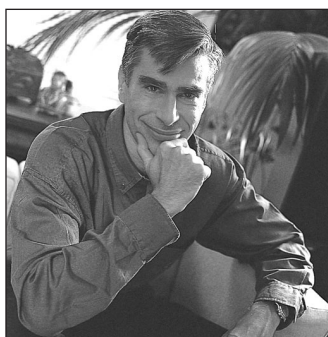
Thank you for purchasing the Polk Audio DP-1 CD/DVD player. While we designed the DP-1 to be very easy to set up and use, please read this manual thoroughly for information on getting the greatest enjoyment from your system. Designing high quality audio products is more than just a business for the people of Polk Audio—it is our *passion*. We are all dedicated to your complete satisfaction and delight.

Should you have any problem or question regarding this or any Polk Audio product, consult your Polk Audio dealer or call our Customer Service Department at 1-800-377-7655 from 9am to 6pm, Eastern Time, Monday through Friday.

Happy Listening!



Matthew S. Polk



About Polk Audio—A History of Excellence

Polk Audio was founded in 1972 by Matthew Polk and George Klopfer. Their dream was to make reasonably priced speakers that boasted the performance of the world's best speakers. Polk speakers have since earned the praise of audio experts the world over, as well as dozens of awards for innovative, high-quality design. Today, Polk Audio is still headquartered in Baltimore, Maryland, and is one of the world's largest manufacturers of loudspeakers for home, office and car. Polk's research has yielded over 45 patents for advances in loudspeaker performance and value. Polk Audio speakers are sold in audio/video specialist retailers throughout the US, Canada and over 50 other countries.

GETTING STARTED

Carton Contents

The following items should be in the box with the DP-1 DVD player. If any of these items are missing, contact your Polk Audio retailer or Polk Audio Customer Service.

- DR-3 Unified Learning remote control
- DR-4 DVD-specific remote control
- 4 each AAA batteries (for DR-3 remote)
- 2 each AAA batteries (for DR-4 remote)
- Two-conductor signal cable for digital audio and remote control extension interconnects
- Three-conductor analog audio/video cable
- DP-1 Owner's Manual
- DR-3 Owner's Manual
- Registration postcard

CONNECTING THE DP-1

General Precautions

We know you are anxious to get your new toy all hooked up and working, but really, it's good to read these instructions, take your time and do things right the first time.

- Before you connect the DVD player to other equipment, be sure to unplug all of the equipment in the system from the wall outlet.
- If you are using the DP-1 as both a DVD player and a CD player, connect both the digital and analog outputs of the DP-1 as shown in the illustration below.

Component Video Output Connections

If your TV has component video inputs you may want to connect the DP-1 CD/DVD player to those inputs. On the plus side, component video connections yield superior picture quality. On the downside, in order to watch a DVD, you will have to select the DVD input on the Digital Solution preamp/processor and select the component video input on your TV, rather than have the simplicity of one-button audio/video switching.

S-Video Connection Precaution

If you use an S-Video cable to connect the video output of the DP-1 player to the Digital Solution preamp/processor, you **MUST** use an S-Video cable to connect the DS preamp/processor to the TV. You cannot mix S-Video and standard coaxial (composite) video connections throughout the system and expect to get a picture.

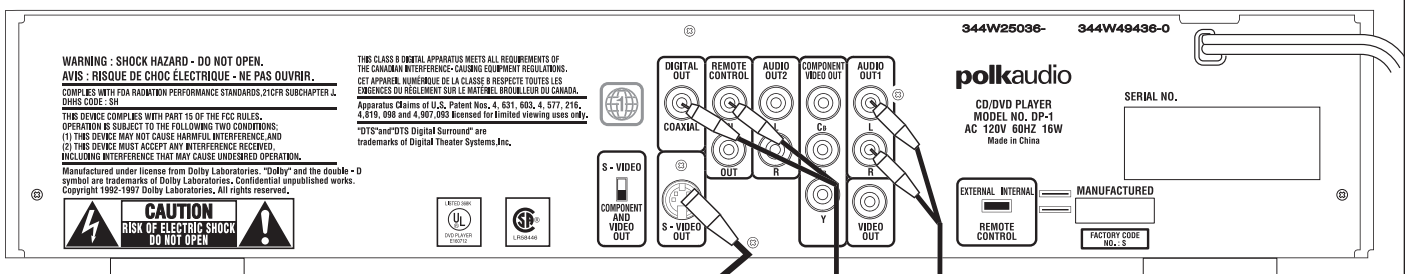
If you use the S-Video output to connect the DS Preamp/Processor to your TV, switch the DP-1's video output switch the to "S-Video" as shown in the illustration. For all other types of video connections use the "Component and Video Out" switch position.

Remote Control In/Out Connection

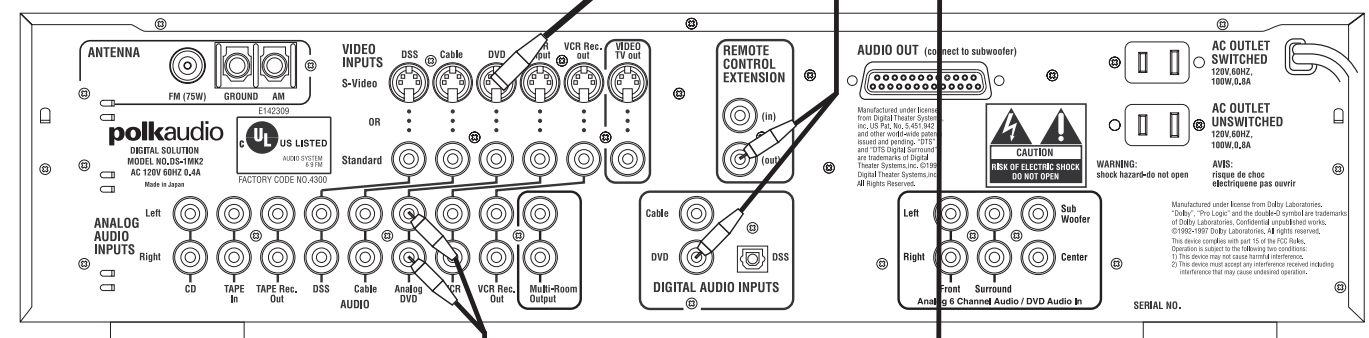
This feature is useful when either the DP-1 CD/DVD player or the Digital Solution preamp/processor will be out of remote control range, such as in cases where one of the two is hidden behind a cabinet door. The Remote In/Out feature allows one component to "feed" the other the remote control signals. If you have such a need, use the extra conductor signal cable of the supplied two-conductor cable to connect the Remote Control Extension Out jack of the Digital Solution preamp/processor to the Remote Control In jack of the DP-1 CD/DVD player as shown in the illustration below.

BASIC SETUP

DP-1 DVD PLAYER



PREAMP/PROCESSOR



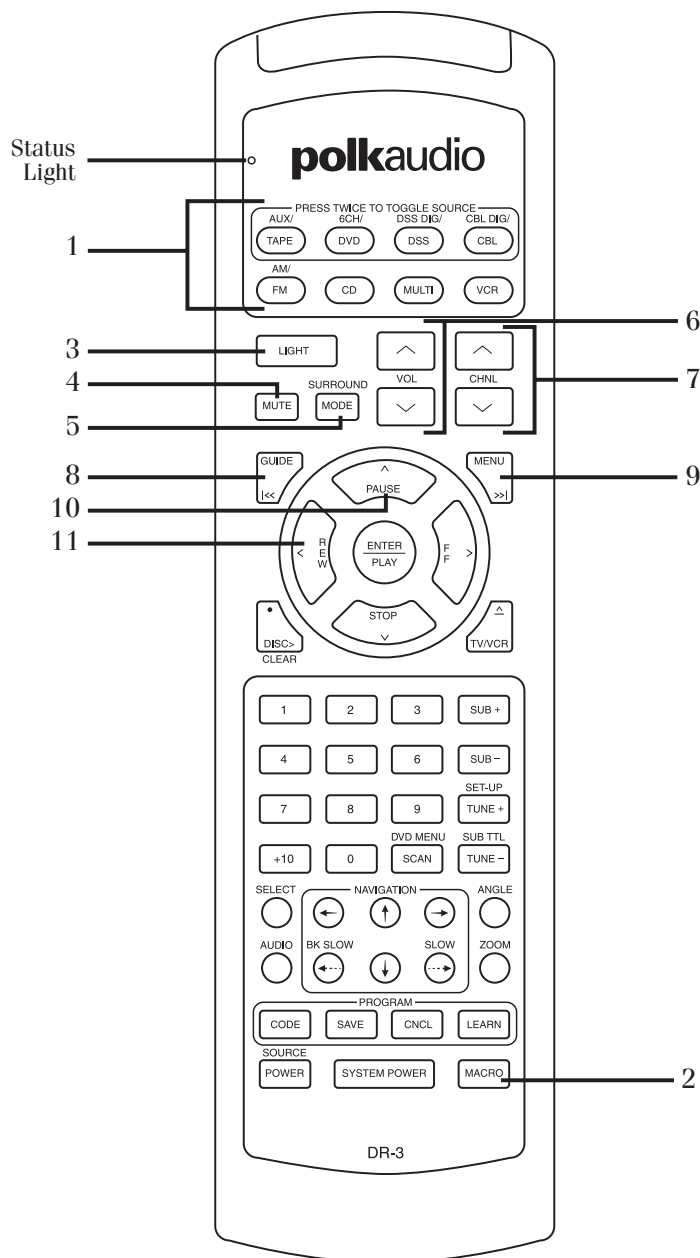
REMOTE CONTROLS

There are two remotes included with the DP-1 CD/DVD player. The large, black DR-3 is a unified system programmable/learning remote control that has been pre-programmed to operate the most-often used functions of both the Digital Solution preamp/processor and the DP-1 CD/DVD player. You can also program it to operate other components in your system to reduce “remote clutter” on your coffee table. (See the separate DR-3 Owner’s Manual for instructions on how to program and use this remote for other devices.)

As nifty as it may be, the DR-3 unified remote cannot duplicate every function of the DP-1 CD/DVD player or Digital Solution preamp/processor without it turning into a nightmare of tiny buttons. For control of the rarely used functions of the CD/DVD player and Digital Solution preamp/processor, you’ll have to use their dedicated remotes, the smaller DR-4, DR-1, or DR-2 remotes. If you can’t find them, look under the sofa cushions; they’re probably there.

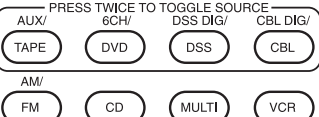
Notes on Batteries

- Do not leave dead or exhausted batteries in the remote control.
- Do not use different types of batteries together, or mix old and new batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
- Replace the batteries with new ones if the remote control does not function correctly or if the operating range becomes reduced.
- If the batteries leak, wipe the battery liquid from the battery compartment being careful not to get any on you, then insert new batteries.



DR-3 REMOTE GUIDED TOUR

We will only describe here the DR-3 remote functions as they pertain to the Polk Audio Digital Solution preamp/processor and DP-1 CD/DVD player. See the separate DR-3 Owner's Manual for instructions on how to program and use this remote for other devices.


- 

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 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 preamp/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 the separate DR-3 Owner's Manual 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.


To switch the DR-3 remote to operate the Digital Solution's radio tuner, push the FM/AM button.


- 


The Macro button allows you to program a string of remote commands to accomplish with one push of a button a series of operations that would normally take several button pushes. We strongly recommend that you set the MACRO to turn on and off the Digital Solution system and DP-1 player together. Let's do that now, shall we?

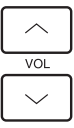
- Press and hold the CODE button within the bordered "program" button group until the status light at the top left of the remote glows red.
- Press the DVD Source/Device button.
The DVD button will light up.
- Press the MACRO button. The status light and the DVD Source/Device button will blink once.
- Press the System Power button.
- Press the DVD source button at the top of the remote.
- Press the red Source power button at the bottom left of the remote.
- Press the SAVE button to store the commands. The red status light and the DVD Source button lights will blink twice and then turn off to confirm the program.


The Macro button can be used to do a lot of other convenient and nifty things. See the separate DR-3 remote Owner's Manual for full Macro programming instructions.


- 


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.
- 

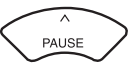
Mutes the sound of the Digital Solution system. To disengage the mute function and go back to normal playback volume, press the MUTE button again or press either of the VOLUME buttons. The function of this button does not change when you enter program codes for other devices.
- 


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.
- 

These buttons control the volume of the Digital Solution system. The function of these buttons does not change when you enter program codes for other devices.
- 

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.
- 


This button acts as a chapter skip button to move you quickly back from the current DVD chapter to the previous chapter or to skip backwards from track to track on a CD.
- 


This button acts as a chapter skip button to move you quickly forward DVD chapters or to skip forward from track to track on a CD.
- 

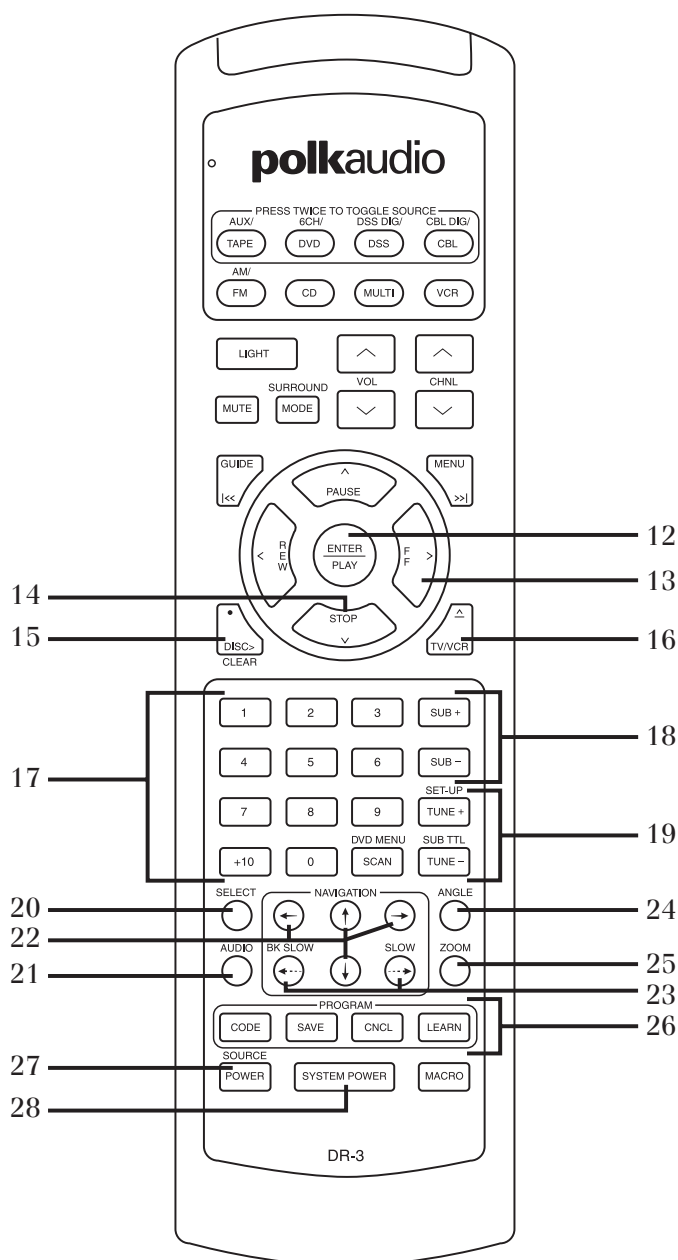
This button acts as the pause/step frame button for the DP-1 CD/DVD player. To return to normal play, press the PLAY button. When the MULTI source/device button gets pressed, enabling multi-zone remote speaker use with the DS System, this button acts as the up arrow navigation for the on-screen display for the Digital Solution preamp/processor.
- 

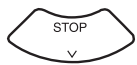
Each time you depress this button, the Polk DP-1 plays in reverse a little faster. The first push plays the disc backwards at 2X normal speed. The second push of the button increases the reverse play speed to 4X normal speed and so on to a maximum of 100X normal speed. To resume normal playing direction and speed press the ENTER button. When the MULTI source/device button gets pressed, enabling multi-zone remote speaker use with the DS System, this button acts as the left arrow navigation for the on screen display of the Digital Solution preamp/processor.


REMOTE CONTROLS


12.  Use this button to put the CD/DVD player into the play mode or use it to select a menu choice. When the MULTI source/device button gets pressed, this button acts as the Enter button for the on screen display (OSD) for the Digital Solution preamp/processor.

13.  Each time you depress this button, the Polk DP-1 fast-forwards a little faster. The first push fast-forwards at 2X normal speed. The second push of the button increases the play speed to 4X normal speed and so on to a maximum of 100X normal speed. To resume normal playing speed, press the ENTER button. When the MULTI source/device button gets pressed, this button acts as the right arrow navigation for the on screen display of the Digital Solution preamp/processor.





14.  Push this button once to pause playing the DVD in the Polk DP-1 CD/DVD/MP3 player. Press it a second time to totally stop the DVD. With a CD in the player, this button simply stops the CD. When the MULTI source/device button gets pressed, enabling multi-zone remote speaker use with the DS System, this button acts as the down arrow navigation for the on screen display (OSD) for the Digital Solution preamp/processor.

15.  This button acts as the Clear command for the DP-1 CD/DVD player. This button has no function with the Digital Solution preamp/processor.


16.  This button opens and closes the disc drawer of the Polk DP-1 CD/DVD player; it has no function with the Digital Solution preamp/processor.


17. **Numeric Keypad** – Use the number buttons to directly access a track or chapter of a disc. For example if you want to go directly to track 8 of a CD, press 8 on the keypad. To get to tracks higher than 9, use a two key combination. For example if you want to listen to track 10, press 1 followed by the 0. To hear track 12, press 1 followed by the 2. You have about two seconds between key presses before the DR-3 accepts the digit. Press two-key combos in quick succession, or the DR-3 will only recognize the first number keyed. These buttons have no function with the Digital Solution preamp/processor.

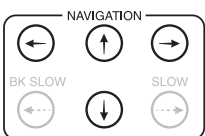
18.  These buttons raise and lower the volume of the Digital Solution subwoofer just like the SUBWOOFER +/- buttons on the Digital Solution system remote.

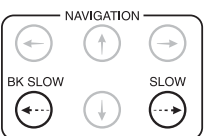
19.  When the remote is set to operate only the DS preamp/processor (push the AM/FM button to do this) these buttons manually tune the radio up (+) or down (-) the radio dial just like the -RADIO TUNER+ rocker button on the Digital Solution system remote.



When the DR-3 remote is set to control the DP-1 player, the Tune+/SETUP button acts to bring up the DP-1's hardware Set Up menu on your TV screen. The TUNE-/SUB TTL button allows you to turn DVD subtitles on or off and switch between languages. This feature may not work with all DVDs, particularly those with no subtitles.



20.  This button selects a choice on a menu such as the set-up menu of the DP-1 or the chapter menu of a DVD disc; it has no function with the Digital Solution preamp/processor.





21.  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 DTS 5.1 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 (pity). This button has no function with the Digital Solution preamp/processor.

22.  These buttons allow you to move the DVD cursor among set up 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 the DVD cursor to the Scene Selection graphic on the TV screen. This button has no function with the Digital Solution preamp/processor.


23.  Use these buttons to make the DVD play at a slower than normal speed either forward or backward. Press the button once and the play speed will be 1/16 normal speed. Press it a second time and the DVD will play at 1/8 speed and so on down to 1/2 speed. Press the PLAY/ENTER button to return to normal playing speed and direction. This function does not work with CD playback, only DVD. NOTE: the sound is muted during Slow play operation.


24.  Some DVDs offer multiple camera angles. With such a disc, pressing this button toggles between the available camera angle views. In most cases (particularly movies) there is only one camera angle view on the disc and all that happens when you press this button is the  symbol will appear on your TV screen.


25.  The Zoom function allows you to enlarge the video image and to move through the enlarged image. Press ZOOM during normal playback or the Pause/Still mode to engage the Zoom function. Each time you press the ZOOM button, the magnification increases. There are a total of six magnification steps. To return to a normal picture keep pressing the ZOOM button until the picture goes back to normal or press the  button.

If you want to move around the magnified image to focus in on a particular detail, use the     keys.

NOTE: The zoom feature does not work on subtitles and menu screens.

26.  These four buttons allow you to program in the codes for other remotes or "teach" the remote specific commands. See the separate DR-3 remote manual for instructions on using these buttons.








27.  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 the separate DR-3 remote manual for instructions to learn how to program the DR-3 to operate other devices.

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

DP-1 SET UP MENUS








Your DP-1 player has been preset to work perfectly with your Polk Audio Digital Solution system and a standard 4:3 aspect ratio TV. If you have a 16:9 widescreen TV you will have to reset the TV Aspect Ratio in the “Other” section of the DVD setup menu. No matter what gear you have it is always a good idea to check all of these settings to make sure they are correct.

How to navigate and select choices

1. Press the  button on either the DR-3 or DR-4 remotes. The setup menu will appear on your TV screen (*figure 1*).
2. Use the navigation direction buttons     to move the cursor around the screen.
3. Press the  or  button to make a choice.

Setting TV Aspect Ratio (required if using a 16:9 widescreen TV)

This feature adjusts the video output of the DVD player to match your TV. If you have a standard 4:3 aspect ratio TV, the factory setting of “4:3 Letterbox” is right and you need not change this setting. If you have a widescreen 16:9 TV, you need to change this setting to “16:9 Wide.”

1. Press the  button on either the DR-3 or DR-4 remotes. The setup menu will appear on your TV screen (*figure 2*).
2. Use the  navigation button to move down to “TV Aspect.”
3. Press the  button and a white arrow cursor  will appear next to one of the choices.
4. Use the  or  navigation buttons to select the type of TV you have as follows: If you have a standard format 4:3 TV, select “4:3 Letterbox.” This setting allows widescreen DVDs to be viewed in their proper aspect ratio. If you have a 16:9 aspect ratio widescreen TV, select “16:9 Wide.”
5. Make your selection and press **SELECT**.
6. To exit the Setup menu, press the  button on the remote.

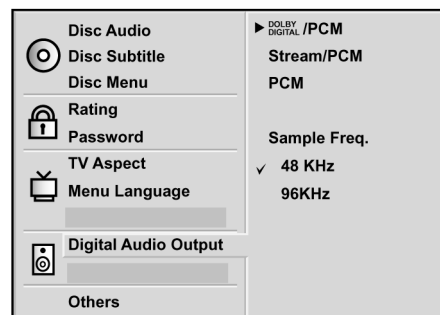


Figure 1

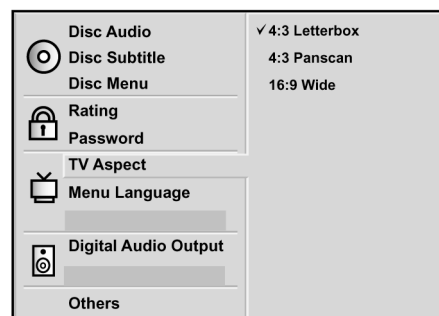











Figure 2

DP-1 SET UP MENUS

Setting Digital Audio Output Sample Frequency










The default setting of “48kHz” allows the DP-1 to work safely with all digital processors and receivers. When this DVD player is connected to the Polk Audio Digital Solution 7200 system (but NOT the RMDS-1 system), we recommend that you use the “96kHz” setting for the best possible audio performance. If you are using some other surround receiver or preamp/processor, see that unit’s manual to determine the best settings. The first generation Polk Audio RMDS-1 system accepts a 48kHz signal only. If you set this DVD player to the 96kHz setting and connect it to a digital processor or receiver that does not have a 96kHz input, a loud, nasty noise will come out of your speakers and possibly damage them. To change the setting:

1. Press the  button on either the DR-3 remote. The setup menu will appear on your TV screen (*figure 3*).
2. Use the  navigation button to move down to “Digital Audio Output.”
3. Press the  button and a solid white arrow cursor  will appear next to one of the selections.
4. Use the  or  navigation buttons to move the white cursor to the setting you want to select (96kHz for the DS7200 system).
5. Press the  or  button. A black checkmark will appear next to your selection.
6. Make your selection and press **SELECT**.
7. To exit the setup screen, press .

If you are using a surround receiver or preamp/processor other than the Polk DS7200, see that unit’s manual to determine the best settings. The first generation Polk Audio RMDS-1 system accepts a 48kHz signal only. If you set this DVD player to the 96kHz setting and connect it to a digital processor or receiver that does not have a 96kHz input, a loud, nasty noise will come out of your speakers and possibly damage them.








Setting DRC

The factory default for “DRC” (Dynamic Range Control) is “Off.” When using the DP-1 with the Digital Solution system, make sure this is set to “Off.” Turn this function on only if you are using the DP-1 player with a stereo or home theater audio system that has limited output capability. To change the setting:

1. Press the  button on either the DR-3 or DR-4 remotes. The setup menu will appear on your TV screen (*figure 4*).
2. Use the  navigation button to move down to “Others.”
3. Press the  button and a solid white arrow cursor  will appear next to one of the selections.
4. Use the  or  navigation buttons to move the white cursor to the setting you want to select.
5. Press the  or  button to toggle between “Off” and “On.” Set to Off.
6. To exit the setup screen, press .

Menu Language Options

This menu block allows you to change the default language of the audio track, subtitles and DVD menus. If your language of choice (or necessity) is English, skip this part, cowboy.

1. Press the  button on either the DR-3 or DR-4 remotes. The setup menu will appear on your TV screen (*figure 5*).
2. Press the  button and a solid white arrow cursor  will appear next to one of the language selections.
3. Use the  or  navigation buttons to move the white cursor to the language you want to select.
4. Press the  button. A black checkmark will appear next to your selection.
5. Repeat these steps for the other language option screens.
6. To exit the setup screen, press .

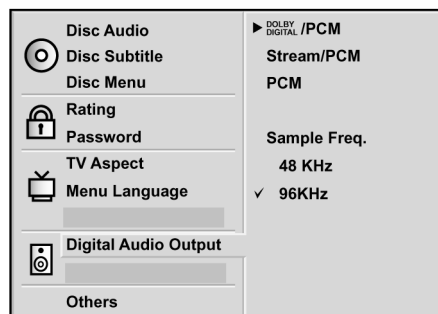


Figure 3

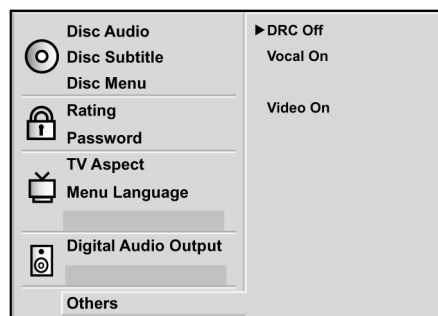


Figure 4



Figure 5

DP-1 SET UP MENUS








Parental Block/Password Menus (optional)

The Rating and Password menus are useful if you have children at home and want to prevent them from viewing inappropriate DVDs. Most DVD movies are age rated just like theatrical releases. The rating numbers on this menu roughly correspond to USA movie industry ratings like so:







NC-17 = 7 PG = 3 PG13 = 4
R = 6 G = 1

This feature selects the maximum allowable movie rating that can be played. For example, when you select level 4, DVD discs rated higher than level 4 (R and NC17) cannot be played until you unlock the feature. To prevent your rascal kids from changing the rating block feature themselves, you should enter a password to block access to the Rating menu.








Setting a Rating

1. Press the  button on the DR-3 remote.
The menu will appear on your TV screen (*figure 6*)
2. Use the  navigation button to move the cursor down the screen until "Rating" is highlighted in white.
3. Press the  button and a white arrow cursor will appear.
4. Use the  or  navigation buttons to move the white cursor to the desired rating number and press .
5. "Blocked" will appear next to all of the blocked numeric ratings.
6. To exit the Setup menu, press the  button on the remote.

Setting a Password










1. Press the  button on the remote.
The menu will appear on your TV screen (*figure 7*).
2. Use the  navigation button to move down to "Password."
3. Press the  button and a white arrow cursor will appear next to the four dashes.
4. Use the numeric keypad to enter a four digit password. Asterisks (****) instead of numbers appear on the screen in place of the dashes. Use a number that you will definitely remember.
5. Press . "Verify" will appear on the screen.
6. Reenter your 4 digit password and press .
The Rating menu is now locked.
7. To exit the Setup menu, press the  button on the remote.

Unlocking the Rating Block

1. Press the  button on the DR-3 remote.
The menu will appear on your TV screen (*figure 7*).
2. Use the  navigation button to move the cursor down the screen until "Rating" is highlighted in white.
3. Press the  button and a white arrow cursor will appear.
4. Use the  or  navigation buttons to move the white cursor to "Unlock" and press .
5. To exit the Setup menu, press the  button on the remote.

Video (Screen Saver)

When the DVD player is on and there is no DVD playing, a video screen saver of a bouncing DVD Video logo will appear on your TV screen after a couple of minutes. If you wish to disable it so that you can see the pretty Polk Audio logo instead, follow the steps below.

1. Press the  button on either the DR-3 or DR-4 remotes.
The setup menu will appear on your TV screen.
2. Use the  navigation button to move down to "Others."
3. Press the  button and a solid white arrow cursor  will appear next to one of the selections.
4. Use the  or  navigation buttons to move the white cursor to "Video".
5. Press the  or  button to toggle between "Off" and "On." Set to Off.
6. To exit the setup screen, press .

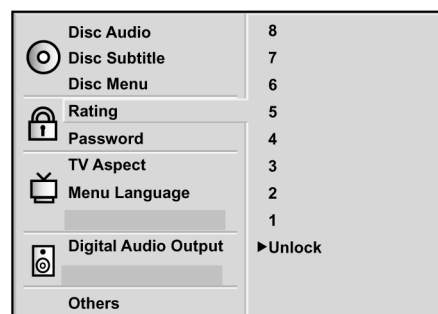


Figure 6



Figure 7

Note: If you have this password protected, you will be prompted to enter your four digit password, and press enter before the rating can be changed. If after unlocking the Ratings Block feature a DVD disc will not play and the words "Parent Control Limit" appear on the screen, turn off and restart the DP-1 player.

DVD OPERATION

Playing a DVD

1. Turning On the System. Press **SYSTEM POWER** on the bottom of the DR-3 remote to turn on the Digital Solution system. Press the **DVD Source/Device** button at the top of the remote and then press the **SOURCE POWER** button back at the bottom. The CD/DVD player will turn on and the power indicator light on the front will turn green. After a few seconds delay, a cheery "HELLO" appears in the display of the DVD player. Turn on your TV and select the video input that the Digital Solution system is plugged into.

Note: You can make the turn-on procedure a lot simpler by setting up a "Macro." The DR-3 remote can be programmed to turn on all of the audio and video components in your system with one button push. See page 12 of the DR-3 Owner's Manual for instructions on how to set up a Macro.

2. Opening Disc Drawer. Press the **OPEN** button on the front panel of the DVD player. Or, press the **TV/VCR** button on the DR-3 remote. The disc tray opens. You can open the disc tray by pressing this button even if the DVD player is in standby mode (off).

3. Inserting DVD disc. Place a disc on the disc tray with the playback (unlabeled) side down. Place the disc in the guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD player to malfunction. Do not place anything except 3" discs or 5" discs on the disc tray. Some DVDs are double sided, that is they have program material on both sides of the disc. In some cases, one side contains a 16:9 widescreen (letterbox) version and the other side has a 4:3 (pan and scan) version. Note the printed ring around the inside of the disc to determine which side is which.

4. Starting Play. Press **ENTER/PLAY**. The disc tray closes automatically and playback begins. If the disc is upside down (and it is a single sided disc), "NO DISC" or "DISC ERROR" appears on the TV screen. Flip the disc.

5. Making Menu Selections. Most DVDs will automatically bring up a title menu screen that allows you to select various features and functions. If the title menu screen does not automatically appear and you want to see it, press the **DVD MENU** button on the DR-3 remote. You may need to use the DVD's Menu in order to select the 5.1 Surround audio track on the disc. The DVD menu also allows you to select the movie's spoken and subtitle language and select a particular chapter (scene). Many DVDs also have extras such as director commentary, outtakes and cast and crew bios that can be accessed through the title menu. Note: There are a very few DVD's with which this button will not work. If this is the case, pick up the *DR-4* remote and press the **MENU** button. The Earth will become aligned with the rest of the planets and total harmony will exist within your living room.

6. Playing the DVD. Select the Play Movie menu selection and press the **ENTER/PLAY** button.

7. Setting Volume. Use the **VOL** \wedge \vee buttons to set volume to taste using the DR-3.

8. Setting Bass Level. Use the **SUB+** and **SUB-** buttons to set bass level to taste using the DR-3.

9. Choosing Dolby Pro Logic. If the DVD does not have a 5.1 digital surround audio track, the audio will play in stereo (assuming it is not a mono soundtrack). Press the **SURROUND** button to toggle between Stereo (two speakers playing), Pro Logic (surround sound with all speakers playing) and five channel surround (this is mainly a music mode that has all speakers playing).

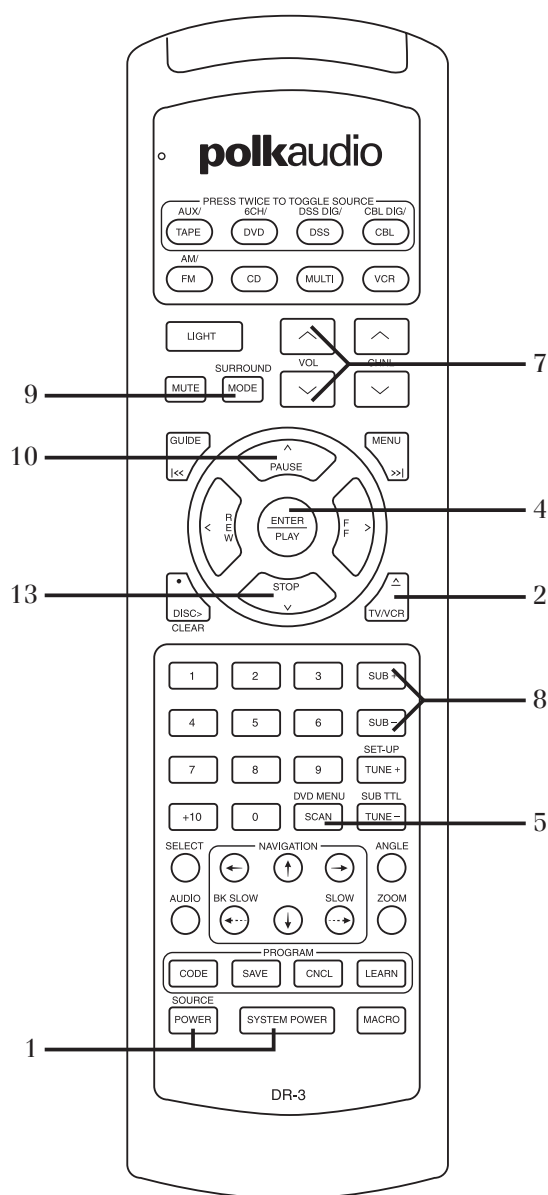
10. Pausing the DVD. To temporarily suspend play and view a still picture, press the **PAUSE** button. The DVD player will display a still picture. Or you can press the **STOP** button once. When you press **ENTER/PLAY** the DVD will resume at the spot where you pressed **STOP**. If you press **STOP** a second time the DVD will stop and will re-start only at the beginning of the DVD.

11. Watch movie.

12. Eat popcorn.

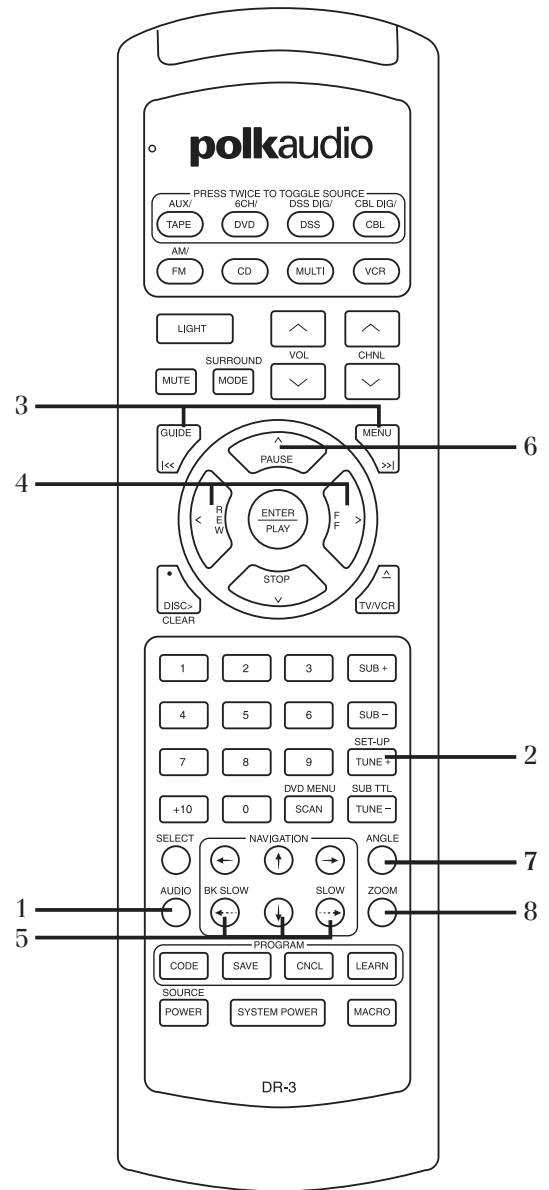
13. Press STOP to stop the playback.

14. The DP-1 CD/DVD player will automatically shut off if left idle for 10 minutes.



ADVANCED DVD OPERATION

- 1. Changing the Surround Audio Mode.** If the DVD has a 5.1 surround track but the DS preamp/processor does not indicate "3/2.1" in the display, use the **AUDIO** button to toggle through the available audio tracks on the DVD. Soundtracks on menus and extras are usually not 5.1, so wait until the movie is playing before changing audio tracks. The **AUDIO** button may not change the audio track on some DVDs. The alternate way of changing the audio track is to go to the DVD's title menu and select the Audio Setup function of the disc.
- 2. Changing Subtitles.** If you want to change anything about the subtitles (turn them on or off or change language) press the **SUB TTL** button to toggle through the available choices. This button may not work on some DVDs. The alternate way of changing the subtitle operation is to go to the DVD's title menu and select the Subtitles function.
- 3. Selecting Chapters.** If you want to skip to a different chapter on a DVD, press the **>>|** button to move forward, or **|<<** to move back track by track in the disc. You may also use the numeric keys to go directly to a Chapter or Track. To get to tracks higher than 9, use a two-key button combination. For example, if you want to listen to track 10, press 1 followed by the 0. To hear track (or chapter) 12, press 1 followed by the 2. You have about two seconds between key presses before the DR-3 accepts the digit. Press two-key combos in quick succession, or the DR-3 will only recognize the first number keyed. You may also use the DVD's title menu to select a specific chapter.
- 4. Scan Forward/Scan Reverse.** To move forward or backward at higher than normal speed, use the **FF >** and **< REW** buttons. Each time you press the button, the playing or reversing speed increases. Press the **PLAY** button to resume normal playing speed and direction. At speeds greater than normal play, audio is muted and there is no sound.
- 5. Slow Motion.** To view the video images in slow motion, press the **◀** and **▶** buttons to make the DVD play at a slower than normal speed either forward or backward. Press the button once and the play speed will be 1/16 normal speed. Press it a second time and the DVD will play at 1/8 speed and so on up to or down to 1/2 speed. Press the **PLAY/ENTER** button to return to normal playing speed and direction. This function does not work with CD playback, only DVD. The sound is muted during slow play operation.
- 6. Frame by Frame Play.** To watch a scene frame by frame, press the **PAUSE** button. Every time you push it, the picture will advance by one frame; a great feature for film students looking for edits and mistakes. To return to normal play press the **ENTER/PLAY** button.
- 7. Changing Angles.** Some DVDs offer multiple camera angles. With such a disc, pressing the **ANGLE** button toggles between the available camera angle views. In most cases (particularly movies), there is only one camera angle view on the disc and all that happens when you press this button is the "⓪" symbol will appear on your TV screen.
- 8. Zoom.** Hey, this is a cool feature: Do you ever wish you could get a closer look at some small detail in a movie, or fill the screen with your favorite actor's face? Push the **ZOOM** button and the picture will be magnified. Every time you push the button the magnification increases. On the seventh button push or when you or press the **• DISC > (CLEAR)** button the picture returns to normal. If you want to move around the magnified image to focus in on a particular detail, use the **◀ ▶ ↑ ↓** keys. NOTE: The zoom feature does not work on some DVDs, and never works on subtitles and menu screens.



ADVANCED DVD OPERATION

The following seldom-used advanced features can only be accessed with the DR-4 remote control included with the DP-1.

1. **Using Markers and Search.** Markers allow you to go quickly back to a specific scene. Press the **MARKER** key at the beginning of a scene you want to return to. The on-screen display (*figure 8*) indicates which of the 9 available markers you have just used. At any time while watching that DVD, press the **SEARCH** button to bring up the Marker display (*figure 9*). Use the ◀ and ▶ navigation buttons to select the marker you want to recall. Press **SELECT/ENTER** to recall a marker or **CLEAR** to clear a marker. **NOTE:** The marker operation works only with discs for which the elapsed playing time appears in the display window during playback or stop. Some DVD subtitles recorded around the marker may fail to appear. All the markers are cleared when the power is turned off or the disc is removed. Markers don't work on the DVD title menu.



Figure 8



Figure 9

2. **Repeat.** Press the **REPEAT** button to repeat a chapter or title of a DVD. Press the button once and **CHAPT** will appear on the TV screen (*figure 10*). The current chapter will restart at the end of the chapter over and over again until you turn off the feature. Press the **REPEAT** button twice and **TITLE** will appear on the TV screen indicating that the Title will restart *ad infinitum* until you turn it off or shoot the DVD player, whichever comes first (hopefully the former). Press the **REPEAT** button until **OFF** appears on the screen indicating that this annoying and largely useless feature has been mercifully turned off.

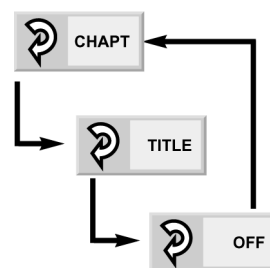


Figure 10



Figure 11

NOTE: The repeat function may not work with all DVDs.

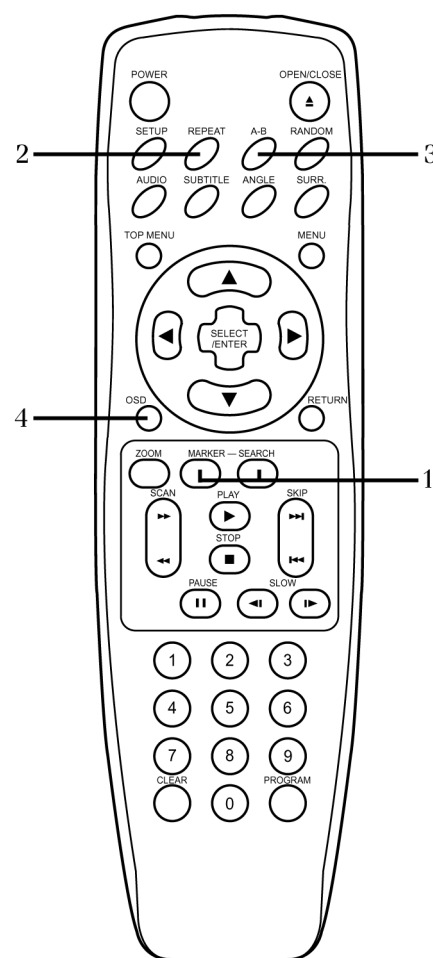
3. **A-B Repeat.** Use this feature to repeat a specific segment of a movie over and over and over again (a great feature for obsessive/compulsives). Press the **A-B** button once at the start of the segment you want to repeat. Press the button a second time to mark the end of the segment. The segment will play over and over and over again. Redrum. Redrum. To return to sanity and normal play press the **A-B** button again and (*figure 11*) will appear on the screen.

NOTE: The A-B repeat function may not work with all DVDs.

4. **Graphic User Interface (GUI) Menus.** Press the **OSD** button during DVD playback to display a GUI menu that shows the status of various functions and features. You can use the ▲ and ▼ navigation buttons to select and the ◀ ▶ buttons to make changes to these functions as shown in the chart below.

Graphic User Interface (GUI) Menus

Press OSD during playback. [TV screen] DVD GUI		FUNCTION (Press ▲/▼ to select desired item)	SELECTION METHOD
	1	To show the current title number and to jump to the desired title number	◀▶, or Numeric SELECT/ENTER
	1	To show the current chapter number and to jump to the desired chapter number	◀▶, or Numeric SELECT/ENTER SKIP
	0:16:57	To show the elapsed time and directly select scenes by the desired time.	Numeric SELECT/ENTER
	1 ENG DDD 6 CH	To show the current audio soundtrack language, encoding method, channel number and to change the settings.	◀▶, AUDIO
	OFF	To show the current subtitles language and to change the setting.	◀▶, SUBTITLE
	1	To show the current angle number and to change the angle.	◀▶, ANGLE
	NORM.	To show the current sound (NORMAL or 3D SURROUND) and to change the setting.	◀▶, SURR.



CD OPERATION

Playing a CD

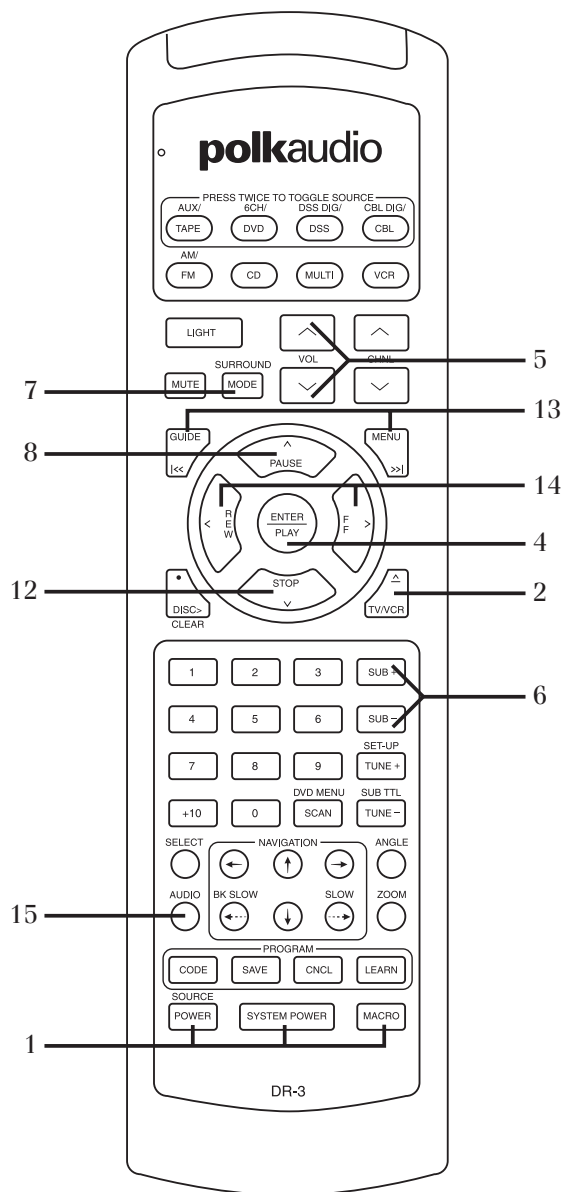
1. **Turning On the System.** Press **SYSTEM POWER** on the DR-3 remote to turn on the Digital Solution system. Press the **DVD Source/Device** button and then press the **SOURCE POWER** button (bottom, top, bottom). The CD/DVD player will turn on and the power indicator light will turn green. After a few seconds delay, a cheery "HELLO" appears in the display of the DVD player.

You can make the turn-on procedure a lot simpler by setting up a "Macro." The DR-3 remote can be programmed to turn on all of the audio and video components in your system with one button push. See page 12 of the DR-3 Owner's Manual for instructions on how to set up a Macro.

2. **Opening Disc Drawer.** Press the **OPEN** button on the front panel of the CD/DVD player. Or, press **^ TV/VCR** on the DR-3 remote. The disc tray opens. You can open the disc tray by pressing this button even if the CD/DVD player is in standby mode (off).
3. **Inserting CD.** Place a disc on the disc tray with the playback side down. Place the disc in the guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD player to malfunction. Do not place anything except 3" discs or 5" discs on the disc tray.
4. **Starting Play.** Press **ENTER/PLAY**. The disc tray closes automatically and playback begins. If the disc is upside down "NO DISC" or "DISC ERROR" appears on the TV screen. Flip it.
5. **Setting Volume.** Use the **VOL** \wedge \vee buttons to set volume to taste using the DR-3.
6. **Setting Bass Level.** Use the **SUB+** and **SUB-** buttons to set bass level to taste using the DR-3.
7. **Choosing Surround Mode.** If you want to hear a stereo CD in surround sound, press the **SURROUND** button to 5 Channel Surround (surround sound with all speakers playing).
8. **Pausing the CD.** To temporarily suspend play, press the **PAUSE** button. Press the **ENTER/PLAY** button to resume playing.
9. Listen to music.
10. Relax or dance.
11. Press **STOP** to stop the playback.
12. The DP-1 CD/DVD player will automatically shut off if left idle for 10 minutes.

Advanced CD Operation

13. **Selecting Tracks.** If you want to skip to a different track on a CD, press the **>>1** button to move forward, or the **1<<** button to move back track by track in the disc. You may also use the numeric keys to go directly to a track. To get to tracks higher than 9, use a two button press combination. For example, if you want to listen to track 10, press 1 followed by the 0. To hear track (or chapter) 12, press 1 followed by the 2. You have about two seconds between key presses before the DR-3 accepts the digit. Press two-key combos in quick succession, or the DR-3 will only recognize the first number keyed.
14. **Scan Forward/Scan Reverse.** To move forward or backward at higher than normal speed, use the **FF >** and **< REW** buttons. Each time you press the button the playing or reversing speed increases. Press the **PLAY** button to resume normal playing speed and direction.
15. **Audio.** This button changes what part of the audio signal you are listening to (i.e. left channel only, right channel only, or the full stereo signal). Set it so that "STER" appears onscreen and leave it alone.



CD OPERATION

Advanced CD Operation

The following seldom-used advanced features can only be accessed with the DR-4 CD/DVD player-specific remote control. Turn on your TV so you can see the indicators and menus for these functions.

1. **Repeat.** Press the **REPEAT** button to repeat a specific track or the entire CD (*figure 12*). Press the button once and "TRACK" will appear on the TV screen. The current track will replay over and over again until you turn off the feature. Press the **REPEAT** button twice and "ALL" will appear on the TV screen indicating that the entire CD will repeat ad infinitum until you turn it off or shoot the CD/DVD player, whichever comes first. Press the button again and "OFF" appears on the screen indicating that this feature has been mercifully turned off.
2. **A-B Repeat.** Use this function to repeat a specific segment of an audio track over and over and over again (a great feature for the obsessed). Press the **A-B** button once at the start of the segment you want to repeat. Press the button a second time to mark the end of the segment. The segment will play over and over and over again. Redrum. Redrum. To return to sanity and normal play press the **A-B** button again and (picture OFF) will appear on the screen.
3. **Program.** This feature allows you to select the specific songs on a CD you want to hear and the order in which you will hear them.
 - a. Press the **PROGRAM** button to reveal the Program screen (*figure 13*).
 - b. Use ◀ ▶ ▲ ▼ to move between the track icons.
 - c. Use the numeric keypad to select the desired track number.
 - d. Repeat steps b and c to select and program another track. Up to 20 tracks can be programmed.
 - e. Press **PLAY** or **SELECT/ENTER** to exit the screen and start playing the CD tracks in the programmed order. If you press **PROGRAM** to exit the screen, the selected tracks are not memorized.
 - f. To clear the programmed tracks one by one use ◀ ▶ ▲ ▼ to select the unwanted number and then press **CLEAR**.
 - g. To clear all the programmed tracks use the ◀ ▶ ▲ ▼ keys to select "Clear All" and then press **SELECT/ENTER**.
 - h. Press **PLAY** or **SELECT/ENTER** to exit the screen. If you press **PROGRAM** to exit the screen, the programs are not cleared. (The programs are also cleared when the power is turned off or the disc is removed.)

Figure 12

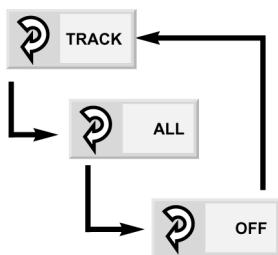


Figure 14



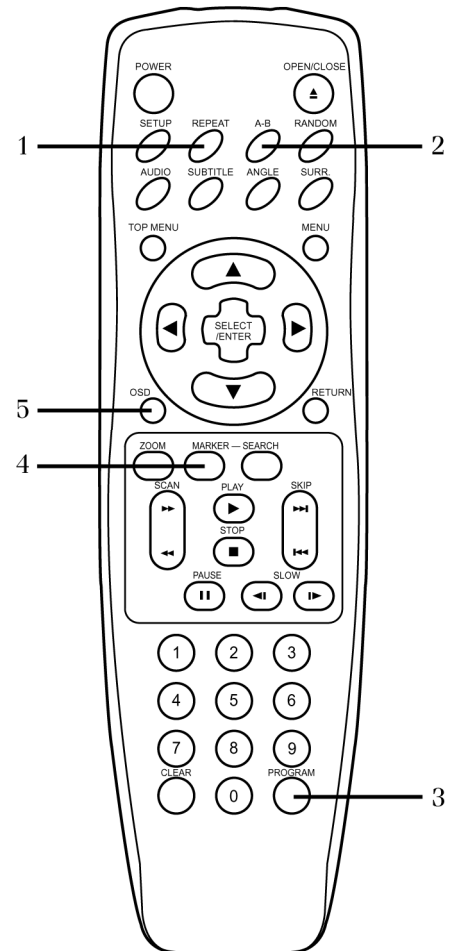
Figure 15

4. **Markers and Search.** Markers allow you to go quickly back to a specific part of the song. Press the **MARKER** key at the beginning of a music passage you want to return to. The on screen display (*figure 14*) indicates which of the 9 available markers you have just used. At any time while playing that CD, press the **SEARCH** button to bring up the Marker display (*figure 15*). Use the ◀ and ▶ navigation buttons to select the marker you want to recall. Press **SELECT/ENTER** to recall a marker or **CLEAR** to clear a marker. NOTE: All the markers are cleared when the power is turned off or the disc is removed.
5. **Graphic User Interface (GUI) Menus.** Press the **OSD** button during CD playback to display a GUI menu that shows the status of various functions and features. You can use the ▲ and ▼ navigation buttons to select and the ◀ ▶ buttons to make changes to these functions as shown in the chart (*figure 13*).

Figure 13

Graphic User Interface (GUI) Menus

Press OSD during playback. [TV screen] CD GUI	FUNCTION (Press ▲▼ to select desired item)	SELECTION METHOD
1	To show the current track number and to jump to the desired track number	◀▶ or Numeric SELECT/ENTER SKIP
0:16:57	To show the elapsed time. (Display only)	—
STER.	To show the current audio (STEREO, LEFT, RIGHT) and to select to the desired audio channel.	◀▶, AUDIO
NORM.	To show the current sound (NORMAL or 3D SURROUND) and to change the setting (Audio CD only).	◀▶, SURR.



MP-3 OPERATION

Playing an MP3 CD

1. **Turning On the System.** Press **SYSTEM POWER** on the DR-3 remote to turn on the Digital Solution system. Press the **DVD Source/Device** button and then press the **SOURCE POWER** button. The CD/DVD player will turn on and the power indicator light will turn green. After a few seconds delay "HELLO" appears in the display of the DVD player. Turn on your TV and select the video input that the Digital Solution system is plugged into.

Note: You can make the turn-on procedure a lot simpler by setting up a "Macro." The DR-3 remote can be programmed to turn on all of the audio and video components in your system with one button push. See page 12 in the DR-3 manual for instructions on how to set up a Macro.

2. **Opening Disc Drawer.** Press the **OPEN** button on the front panel of the CD/DVD player. Or, press **^ TV/VCR** on the DR-3 remote. The disc tray opens. You can open the disc tray by pressing this button even if the CD/DVD player is in standby mode (off).

3. **Inserting an MP3 CD.** Place a disc on the disc tray with the playback side down. Place the disc in the guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD player to malfunction. Do not place anything except 3" discs or 5" discs on the disc tray.

4. **Starting Play.** Press **ENTER/PLAY**. The disc tray closes automatically and the MP3 menu will appear on the TV screen. If the disc is upside down "NO DISC" or "DISC ERROR" appears on the TV screen. Flip the disc then use the **◀ ▶ ▶ ▼** navigation buttons to select the MP3 file you want to play and then press **ENTER/PLAY**.

5. **Setting Volume.** Use the **VOL** **^** **✓** buttons to set volume to taste using the DR-3.

6. **Setting Bass Level.** Use the **SUB+** and **SUB-** buttons to set bass level to taste using the DR-3.

7. **Choosing Surround Mode.** If you want to hear a stereo CD in surround sound, use the **SURROUND** button to select 5 Channel Surround (surround sound with all speakers playing).

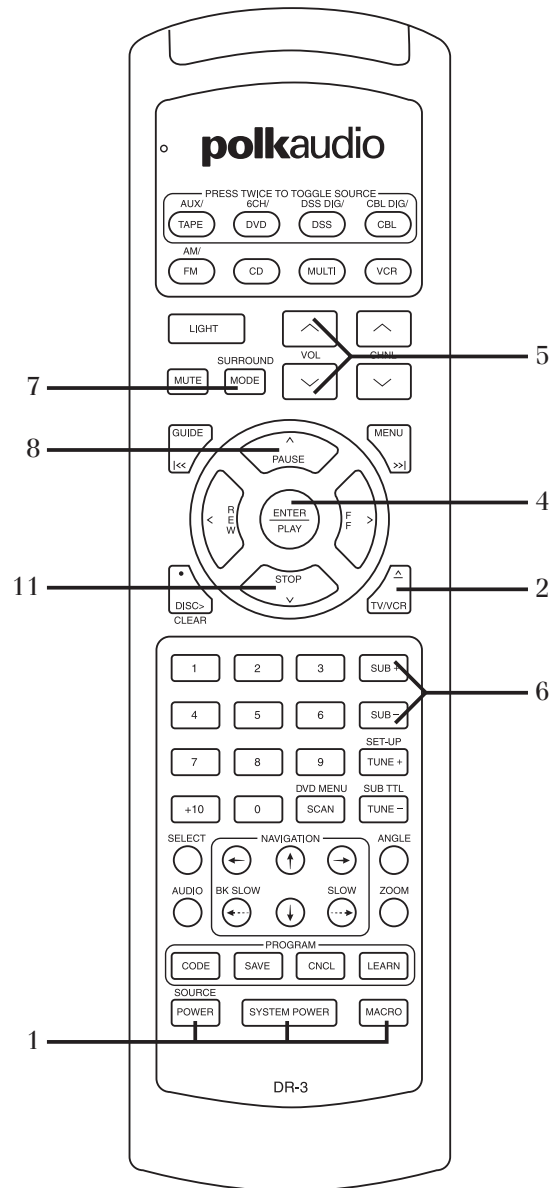
8. **Pausing the MP3 CD.** To temporarily suspend play, press the **PAUSE** button. Press the **PAUSE** or **ENTER/PLAY** button to resume playing.

9. Listen to music.

10. Relax or dance.

11. Press **STOP** to stop the playback.

12. The DP-1 CD/DVD player will automatically shut off if left idle for 10 minutes.



MP-3 OPERATION

Advanced MP3 Operation

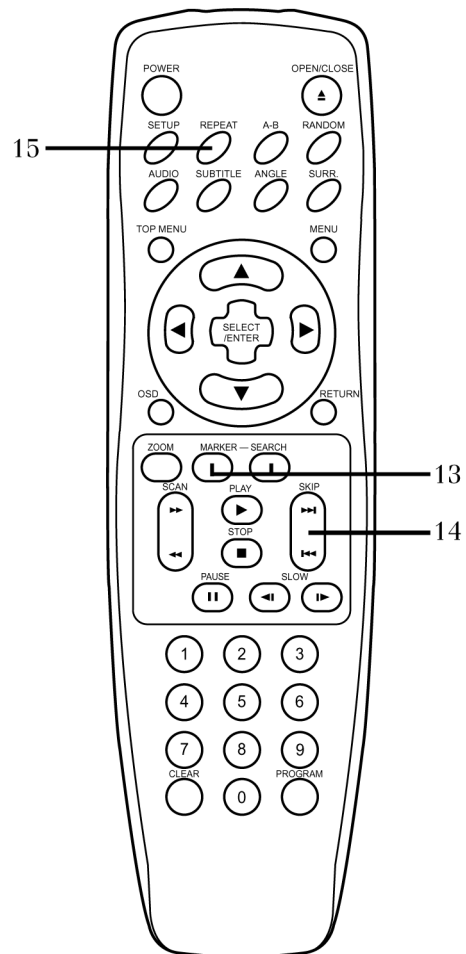
The following seldom-used advanced features can only be accessed with the DR-4 CD/DVD player-specific remote control. Turn on your TV so you can see the indicators and menus for these functions.

13. **Markers and Search.** Markers allow you to go quickly back to a specific part of the song. Press the **MARKER** key at the beginning of a music passage you want.
14. **Selecting Tracks.** If you want to skip to a different track, press the **>>|** button to move forward, or the **|<<** button to move back file by file on the disc. You may also use the arrow keys to navigate the on-screen display (OSD) and select the file that you want to listen to. Press the **ENTER** button when the desired file is highlighted. Press **OSD** to move to the next page. Note: The **SCAN/SEARCH** functions do not work for MP3 operation. Neither does the numeric keypad, so don't try it. Uh, uh, I said don't try it! Too late, oh well. See? Told ya.
15. **Repeat.** To play an MP3 file repeatedly press **REPEAT** once during play and the current MP3 file will play repeatedly. If you press **REPEAT** twice during play, the directory will play repeatedly. If you press **REPEAT** three times, the repeat play will be cancelled.

MP3 NOTES:

The ability of this unit to play back MP3 and CD-RW discs is highly dependent on the recording conditions. Failure to play a self-recorded disc does not necessarily indicate a malfunction of the DP-1 disc player.

- This unit can play up to 200 files per disc. A disc recorded with more than 200 files cannot be played.
- The maximum allowable depth of a nested directory is 50.
- This player is compatible only with the ISO9660 disc format.
- This player will not play MP3 files recorded with software, such as "Direct-CD," that cannot create a **FILE SYSTEM**. We recommend that you use "Easy-CD Creator," which creates an ISO9660 file system.
- A single session disc requires MP3 files in the first track. If there is no MP3 file in the 1st track, it cannot playback MP3 files. If you wish to playback MP3 files, format all the data in the disc or use a new one.
- CD-R discs that contain files that are not MP3 files will not play. However, CD-RW discs that contain a mix of MP3 and other files will play successfully.
- If you select another file by pressing **▲** and **▼** during playback, the file automatically plays after 5 seconds.
- If you select a directory by pressing **◀ ▶** during playback, playback stops after 5 seconds.



Troubleshooting Guide

If This Happens:	It's Probable Cause...	Cures:
The DVD player doesn't turn on.	The unit is not getting AC power.	Make sure the power cord is securely plugged into a live AC outlet.
		Press the Power button on the DP-1's faceplate. If it turns on, the problem lies with the remote control or operator error.
The power is on but the DVD player doesn't work.	DVD or CD disc is not inserted or is inserted improperly.	Open the disc tray and make sure a DVD or CD is inserted correctly in the tray and that the label side is facing up.
	An unplayable disc is in the machine.	Check that the DVD is a Region 1 DVD-Video disc and not a DVD-Audio disc. This player will not play most DVD-Audio discs nor a DVD-Video disc made for any region other than Region 1.
The images on my TV look tall and thin and stretched out when I play a DVD.	The aspect ratio of the DP-1's video output is set to "Widescreen" and you don't have a widescreen TV	Go to page 10 of this manual and read the instructions for how to reset the aspect ratio. Select a 4:3 setting.
	The aspect ratio of your TV is set wrong.	Check your TV's owner's manual for proper set up and use.
When I play a widescreen DVD on my widescreen TV, I get a 4:3 (standard) shape picture.	The aspect ratio of the DP-1's video output is set to "4:3" and you have a 16:9 widescreen TV	Go to page 10 of this manual and read the instructions for how to reset the aspect ratio. Select the "16:9 Wide" setting.
I don't see any Graphic User Interface (GUI) icons when I use the Marker, Program or other CD player features.	The analog outputs are hooked up to an input set that doesn't have a video input or the video output is not hooked up at all.	If you hooked up the stereo analog outputs to the CD input, there is no way for the video graphics to get to your TV. Use an input set on the DS preamp/processor that has a video jack. See the hookup illustration on page 5 of this manual.
I get sound but no picture when I play a DVD.	The video output of the DP-1 is not hooked up to any video input or is hooked up to the wrong video input on the DS preamp/processor.	Uh, hook it up right already. See page 5 for hookup directions.
	You are using a mix of S-Video and Coaxial video connectors.	Uh huh, that's not allowed. You must use EITHER S-Video OR Composite connectors throughout the system. See page 5 for video hookup directions.
	You have selected the wrong video input on your TV.	If you connected the video output of the DP-1 or DS system to Video 1 of your TV, you must select the Video 1 input of your TV in order to see a picture. Better go back and read all of your manuals again.
The remote control does not work properly.	Weak batteries	Change the darn batteries already.

Troubleshooting Guide

If This Happens:	It's Probable Cause...	Cures:
The power is on but the machine will not play a MP3 disc.	The disc is not inserted properly	Open the disc tray and make sure the CD is inserted correctly in the tray and that the label side is facing up.
	The disc is not an ISO9660 disc	The disc was probably made using a non-compatible software program, such as Direct-CD. You'll have to re-burn the disc using a software program that will make ISO9660 formatted discs. Check the ReadMe file that comes with the computer program to see how this is done.
	The disc does not have an MP3 file in the first track.	The disc is a multi-session disc with the first session not containing any MP3 files. You'll have to make a new disc with a MP3 file in the first session. Check the ReadMe file that comes with the computer program to see how this is done.

DP-1 SPECIFICATIONS

DVD Player

Power Supply

AC 120V, 60 Hz

Power Consumption

16 W

Weight

7.1 lbs. (3.2 kg)

External Dimensions (W x H x D)

17.3" x 3.5" x 10" (440 x 88 x 254 mm)

Signal System

NTSC

Laser

Semiconductor laser, wavelength 650 m (DVD), 780 nm (CD)

Frequency Range (audio)

DVD: fs = 96 kHz 4 Hz - 44 kHz

fs = 48 kHz 4 Hz - 22kHz

CD: 4 Hz - 20 kHz

Signal-to-Noise Ratio

More than 105 dB (EIAJ)

Dynamic Range (audio)

More than 100 dB (EIAJ)

Harmonic Distortion (audio)

0.003%

Wow and Flutter

Below measurable level (less than + 0.001% (W.PEAK)) (EIAJ)

Operating Conditions

Temperature: 41°F - 95°F, Operation Status: Horizontal

Outputs

Video Output

1.0V (p-p), 75Ω, negative sync., RCA jack x 1

S-Video Output

(Y) 1.0 V(p-p), 75Ω, negative sync. Mini DIN 4-pin x 1

(C) 0.286 V (p-p), 75Ω

Component Video Output

(Y) 1.0 V(p-p), 75Ω, negative sync. RCA jack x 1

(Cb)/(Cr) 0.7 V (p-p), 75Ω

Audio Output (Digital Audio)

0.5 V (p-p), 75Ω, RCA jack x 1

Audio Output (Analog Audio)

2.0 Vms (1 kHz, 0 dB), 330 Ω, RCA jack (L, R) x 2

POLK AUDIO LIMITED WARRANTY

Polk Audio, Inc., warrants to the original purchaser only that the **DP-1 DVD Player** (the "Product") will be free from defects in material and workmanship for a period of one (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.

This Warranty applies only to Products purchased in the United States of America, its possessions, and U.S. and NATO armed forces exchanges and audio clubs. The Warranty terms and conditions applicable to Products purchased in other countries are available from the Polk Audio Authorized Distributors in such countries.

"Polk Audio," and "The Speaker Specialists" are trademarks of Britannia Investment Corporation used under license by Polk Audio Incorporated.

polkaudio
the speaker specialists®

5601 METRO DRIVE,
BALTIMORE, MARYLAND 21215, USA,
410-764-5275, FAX: 410-764-5266
www.polkaudio.com

RM2069-1

DR-3

**UNIFIED LEARNING
REMOTE CONTROL**

INSTRUCTION MANUAL

Table of Contents

DR-3 Remote Guided Tour	3 - 5
Button Function Chart	6
Programming the Remote	
Manual Three-Digit Code Method.....	7
Auto Search Method.....	8
Finding the Three-Digit Code Number for a Device.....	8
Teaching Method	9
Erasing a Learned Command From a Button	10
Erase All Learned Commands in One Source/Device	10
Erase All Learned Commands in All Device Modes.....	11
Restoring Factory Programming	11
Macro Operation	
Programming the Macro Button.....	12
Erase a Macro Sequence	12
Macro Programming Example	13
Setup Codes Chart	14 - 15

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.

This Warranty applies only to Products purchased in the United States of America, its possessions, and U.S. and NATO armed forces exchanges and audio clubs. The Warranty terms and conditions applicable to Products purchased in other countries are available from the Polk Audio Authorized Distributors in such countries.

"Polk Audio," and "The Speaker Specialists" are trademarks of Britannia Investment Corporation used under license by Polk Audio Incorporated.

DR-3 REMOTE GUIDED TOUR

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

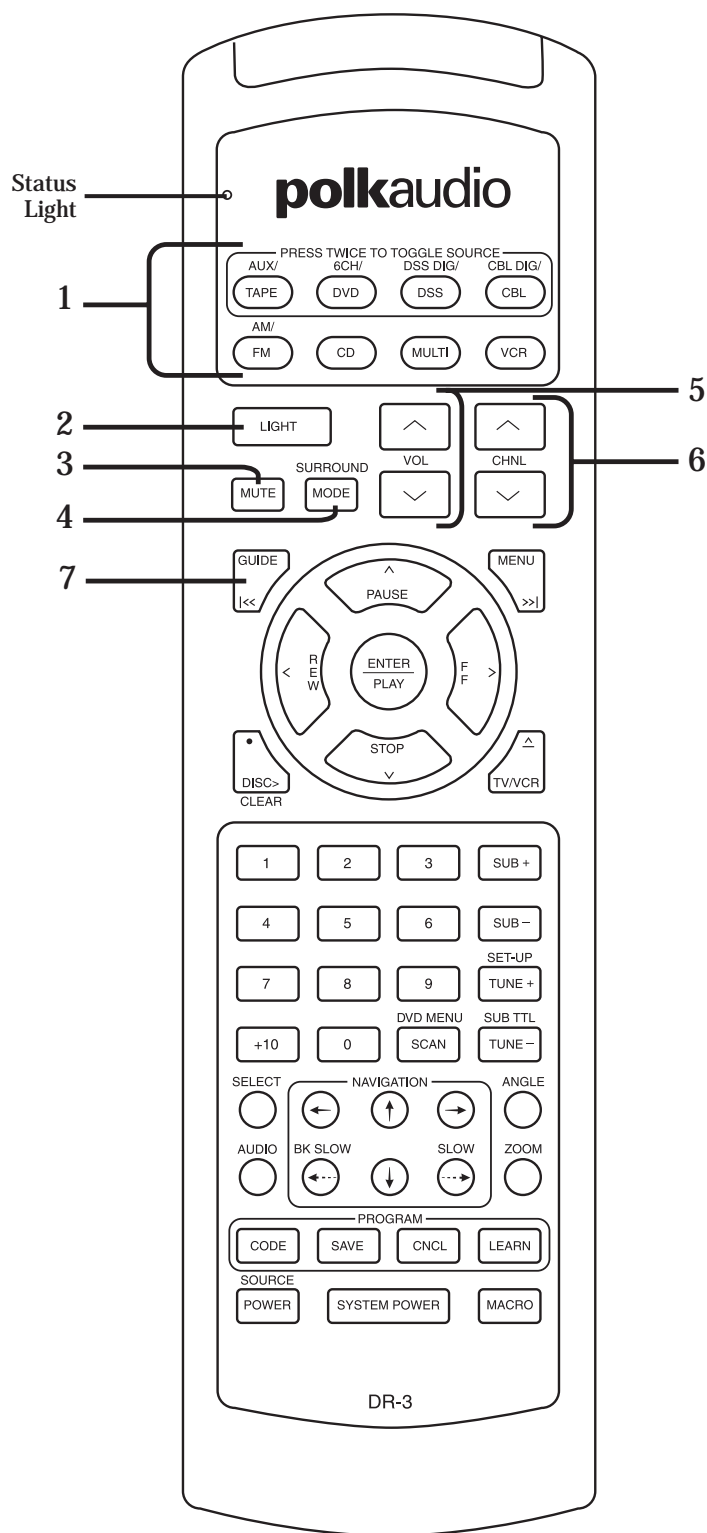
- 1. Source/Device Area** – These buttons serve two functions: to select the device that the remote will control and to change inputs on the Digital Solution preamp/processor. For example if you want to play the DVD player, push the “DVD” button on the top row. The Digital Solution preamp/processor will 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.

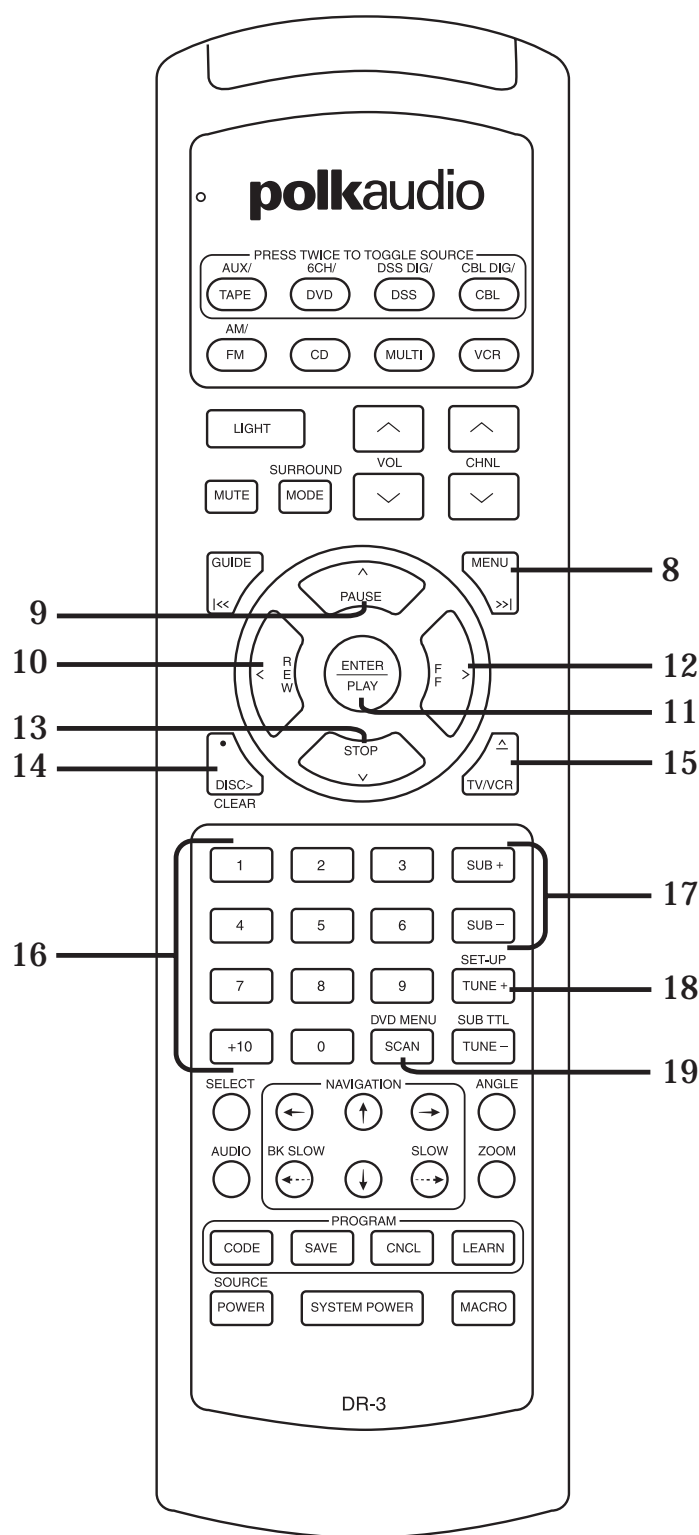
15. **^ TV/VCR** – This button opens and closes the disc drawer of CD and DVD players. It acts as the (TV/VCR) input toggle switch on TVs and VCRs and other video devices. It has no function with the Digital Solution preamp/processor.

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 speed 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.

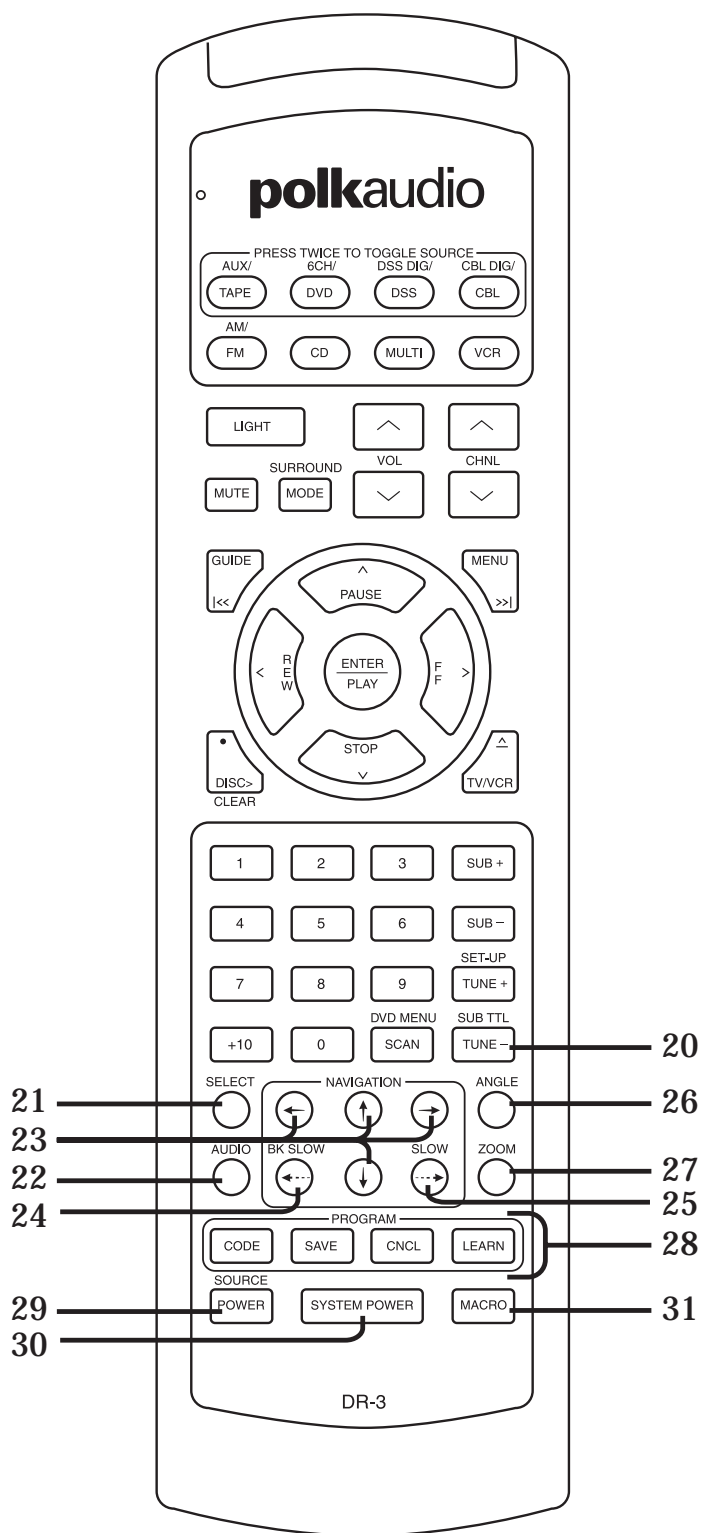
27. ZOOM – This button serves as the “Zoom” button with DVD players that have a zoom feature.

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	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	PRESET DN			CH -	CH -	CH -				CH -
UP/PAUSE		PAUSE	PAUSE	UP	UP	UP		PAUSE	UP	PAUSE
DOWN/STOP		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/>>>I		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.

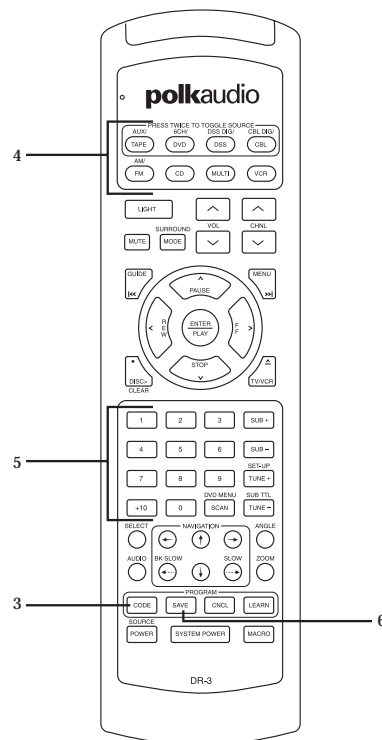
Note: If there is more than one three-digit number listed for your brand, try one code number at a time until your equipment turns off after the last step in the programming process. When your equipment turns off, you have selected the right code. You can also verify that you have programmed the correct 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

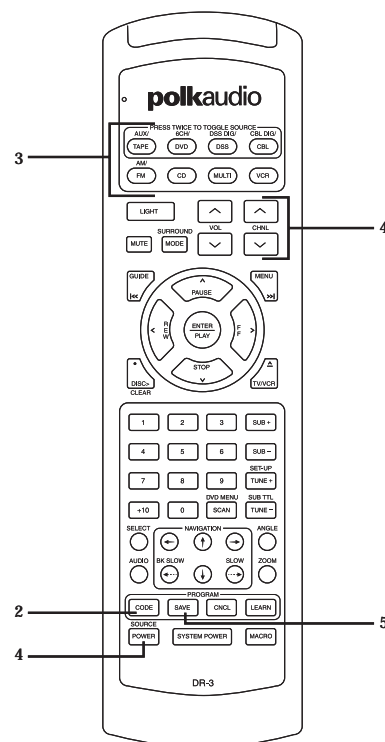
If none of the three-digit code numbers assigned to your brand shut off your equipment or if your brand of equipment is not listed in the code tables, you can use the Auto Search Method to find the correct three-digit number for your equipment.

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.

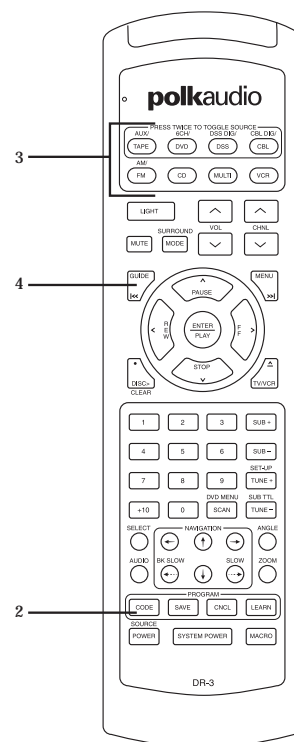


Finding the Three-Digit Code Number for a Device

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.



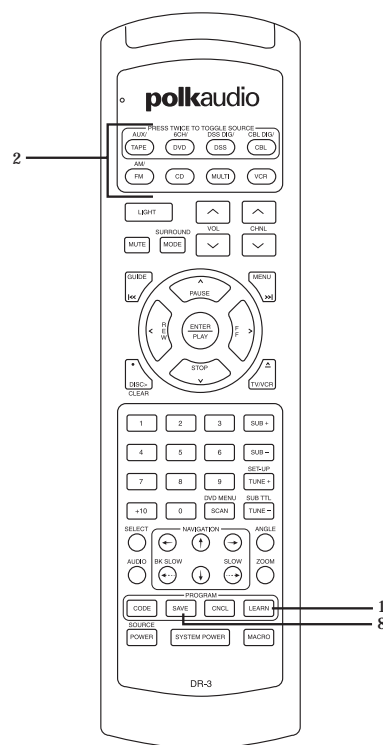
1. Press **LEARN** for two seconds
 2. Select device type with source buttons
 3. Push button to be taught on the DR-3
 4. Push and hold the button on other remote
 5. Wait for green light
 6. Release button & press/hold it again until green light blinks, release
 7. Repeat steps 3 - 6 for other buttons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

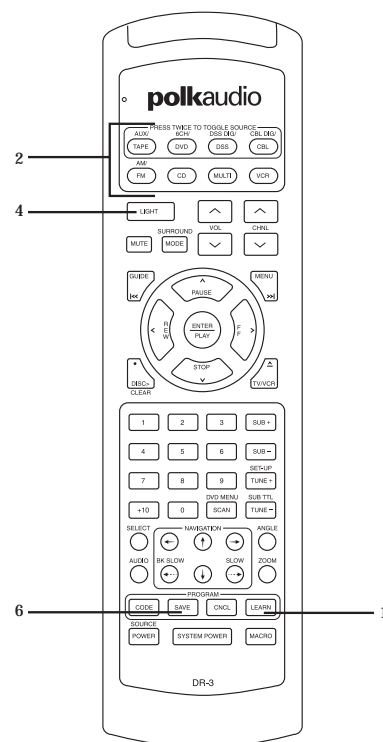


PROGRAMMING THE REMOTE

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.

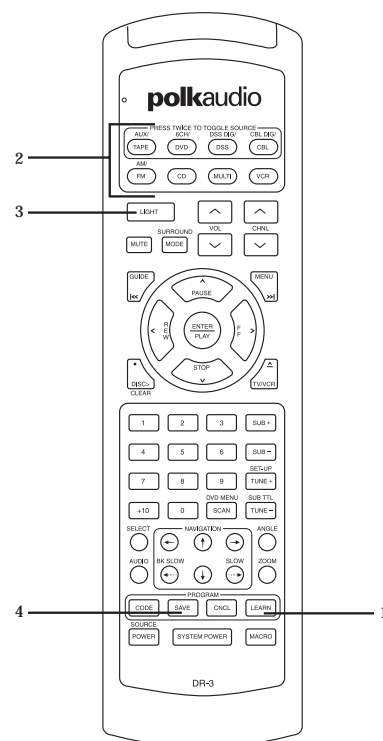
1. Press and hold the **LEARN** button for two seconds.
The status light at the top left of the remote will glow orange.
2. Press the **Source/Device** associated with the button you wish to erase. The Source/Device button light will turn on.
3. Press the button that is to be erased. The orange status 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

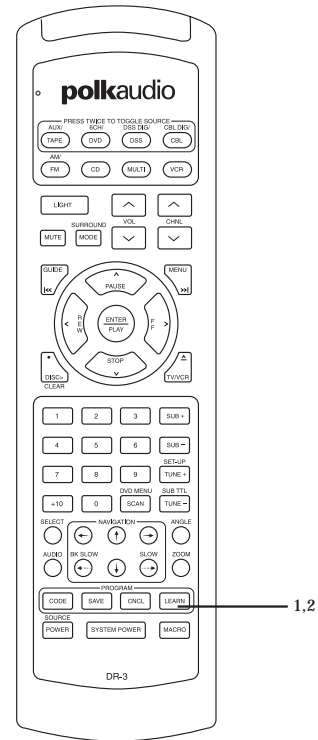
Erasing All the Learned Commands in All Device Modes

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

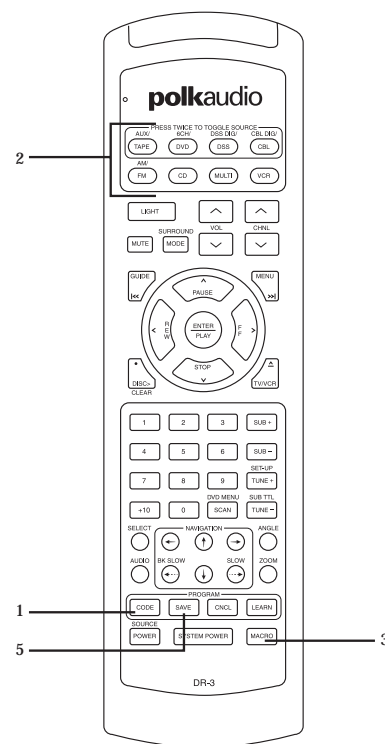
Programming the Macro Button

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 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:

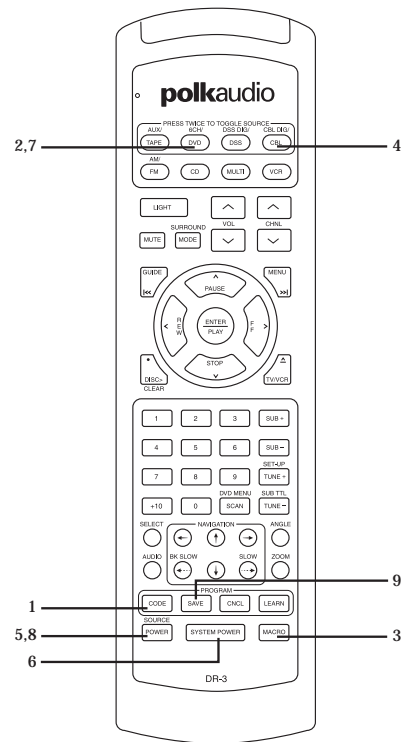
Follow the above Steps 1, 2, 3 and 5 without going through Step 4.

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 it's 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

The Setup Code list in the DR-3 owner's manual is incomplete.
Use this remote code list for programming your Polk Audio DR-3 unified learning remote.

SETUP CODES

Manufacturer/Brand Set-Up Code

Tape/Aux

PHILIPS TIVO	001
SONY TIVO	002

DVD Player

ALPINE	098
APEX DIGITAL	087 111
DENON	007 080
GE	026 027
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

ECHOSTAR	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

Manufacturer/Brand Set-Up Code

Cable (Cable)

SCIENTIFIC ATLANTA	202 206 212 214 233
TOCOM	203 210
ZENITH	204 207 225

Cable (TV)

A MARK	112
ADMIRAL	072 081 161
AKAI	001 146
AMPRO	073 167
ANAM	043 056 080 104 108 112 118 121
AOC	001 004 112
AUDIOVOX	076 103
CANDLE	001 003 004
CETRONIC	043
CITIZEN	001 003 004 101 143
CLASSIC	043
CONCERTO	004
CONTEC	043
CORONADO	143
CROWN	143
CURTIS MATHES	001 101 004 143
CXC	043
DAEWOO	076 103 004 114 127 143
DAYTRON	004 143
DYNASTY	043
DYNATECH	062
ELECTROHOME	024 143
EMERSON	028 048 043 155 005 096 076 001 004 143 153 154
FISHER	007 057
FUNAI	028 043
FUTURETECH	043
GE	160 161 144 004 130 073 008 034 056 074 155
GOLDSTAR	004 106 110 112 113 119 127 143
HALL MARK	004
HITACHI	163 007 004 010 011 012 023 075 143 158
INFINITY	164
JBL	164
JCP	001
JCPENNY	004 008 024 030 065 101 143 160
JVC	038 070 083 034
KENWOOD	001 070
KLOSS	059
KTV	043 143 154
LODGENET	072
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164

Manufacturer/Brand Set-Up Code

Cable (TV)

MAGNAVOX	164 059 001 003 004 022 060 061 063 064 127
MARANTZ	001 164
MATSUI	164
MEMOREX	007 072 004
MGA	001 004 024 042
MITSUBISHI	004 024 040 042 109 146 191
MTC	001 004 062 101
NAD	015 025
NEC	001 130 134 040 024 056 019
NIKEI	043
ONKING	043
ONWA	043
OPTONICA	019 081
PANASONIC	034 056 080 164
PHILCO	001 003 024 056 059 060 063 064 127 143 164 004
PHILIPS	164 093 038 005 001 003 004 059
PIONEER	025 135 004 018 023 176
PORTLAND	004 143
PROSCAN	144 160 161 167
PROTON	171 173 004 143
QUASAR	034 056
RADIO SHACK	004 019 127 143
RCA	160 161 065 156 144 001 004 023 024 056 074 152
REALISTIC	007 019
RUNCO	072 169
SAMPO	001 004
SAMSUNG	004 101 127 133 143 160
SANYO	007 057 082
SCOTT	004 028 043 048 143
SEARS	094 015 028 030 004 007 057 082 143 160
SHARP	019 081 028 014 004 022 143 175
SIGNATURE	072
SONY	070 085 139 126
SOUNDESIGN	028 004 003 043
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

SETUP CODES

Manufacturer/Brand	Set-Up Code
Cable (TV)	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	
ADCOM	062
AIWA	187 170 089
AKAI	202
AUDIO TECHNICA	046
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

Manufacturer/Brand	Set-Up Code
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
OPTONICA	053 054

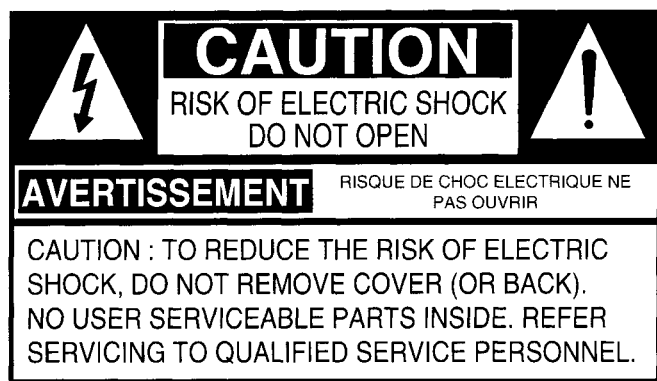
Manufacturer/Brand	Set-Up Code
VCR	
PANASONIC	031 070 133 140
PENTAX	004 020 031 063
PHILCO	031 034 067
PHILIPS	031 067 034 054 101
PILOT	101
PIONEER	004 021 048
PORTLAND	108
PULSAR	072
QUARTZ	014
RADIO SHACK	101 123
RCA	144 147 107 109 031 004 020 034 040 041 140 158
REALISTIC	001 008 010 014 031 034 040 053 054 101
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

polkaudio
the speaker specialists®

5601 METRO DRIVE,
BALTIMORE, MARYLAND 21215, USA,
410-764-5275, FAX: 410-764-5266
www.polkaudio.com

RM2070-1

Safety Precautions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION:

POUR EVITER LES CHOCS ELECTRIQUE, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

CAUTION:

This Digital Video Disc Player employs a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference, should the unit require maintenance, contact an authorized service location-see service procedure.

Use of controls, adjustments or the performance of procedures other than those specified may result herein hazardous radiation exposure. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open the enclosure. **DO NOT STARE INTO BEAM.**

FCC NOTICE:

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.

FCC WARNING:

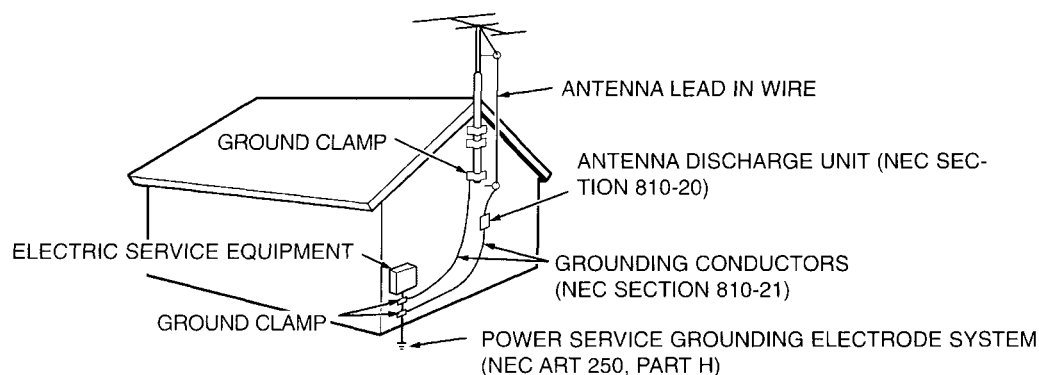
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDUSTRY CANADA REQUIREMENT :

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

**FIGURE 1
EXAMPLE OF ANTENNA GROUNDING ACCORDING TO
NATIONAL ELECTRICAL CODE INSTRUCTIONS
CONTAINED IN ARTICLE 810 - "RADIO AND TELEVISION EQUIPMENT"**



NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (Cable-TV) system installer's attention to Article 820-40 of the NEC, that provides guidelines for proper grounding and, in particular, specified that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing.

This unit is fully transistorized and does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read owner's manual

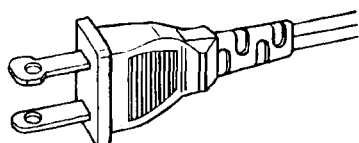
After unpacking this product, read the owner's manual carefully, and follow all the operating and other instructions.

2. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

3. Grounding or Polarization

This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



AC POLARIZED PLUG

4. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

5. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

6. Water and Moisture

Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool and the like.

7. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

8. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

9. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

10. Lightning

For added protection of this product during storms, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

11. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

12. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

IMPORTANT SAFETY INSTRUCTIONS (Cont'd)

13. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



14. Disc Tray

Keep your fingers well clear of the disc tray as it is closing. It may cause serious personal injury.

15. Burden

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

16. Connecting

When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

17. Sound Volume

Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

18. Sound Distortion

Do not allow the product to output distorted sound for a longtime. It may cause speaker overheating and fire.

19. Headphones

When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

20. Laser Beam

Do not look into the opening of the disc tray or ventilation opening of the product to see the source of the laser beam. It may cause sight damage.

21. Disc

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

22. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance-this indicates a need for service.

23. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

24. Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

25. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

