

TDB-3000AR

Color Television

Operation Manual



WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

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.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Customer Record

You will find the model number and chassis number of your TV on the back of your TV set. Record these numbers in the spaces provided below. Refer to them whenever you call customer service or your dealer regarding this product.

Model Number: _____

Chassis Number: _____

PACKING LIST	
Parts	QTY
Color TV Receiver	1
Remote Control	1
Operation Manual	1
AAA Alkaline Batteries	2

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Warning** - This TV should only be serviced by an authorized and properly trained technician. Opening the cover or other attempts by the user to service this TV may result in serious injury or death from electrical shock, and may increase the risk of fire.



FCC Warning

Class B Computing Device Information to User

This equipment has been tested and found to comply with the limits for a Class B Digital Device pursuant to part 15 of 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 receives interference while off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and TV.
- 3) Connect the equipment into an outlet on a circuit different from that to which the TV is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio - TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: In order for an installation of the product to maintain compliance with the limits for a Class B Device, shielded cables must be used.

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Specifications

MODEL	TTX-2000AR
Television System	NTSC-M
Channel Coverage	VHF 2-13 UHF 14-69
Cable TV Coverage	MID BAND (A-8~A-1, A~I) SUPER BAND (J~W) HYPER BAND (AA~ZZ, AAA~B) ULTRA BAND (65~94, 100~125)
Channels Preset	181
Antenna Input	75 Ω (unbalanced)
Screen Dimensions	15.98×12.01 in. 406×305 mm
Audio Output	2W+2W
Total Harmonic Distortion	<7%
Power Source	120Vac~ 60Hz
Unit Weight (Approx.)	50.6 lbs. (23 kg)
Unit Dimensions (W/H/D)	23.03 x 18.11 x 19.53 in. 585 x 460 x 496 mm
Power Consumption	90W

Instruction Manual

Feature Descriptions

181 Channel Tuner - total number of channels the TV can receive: 2-69 in Air mode, or 1-125 in Cable mode

AV Input (Rear) - input designed for use with A/V devices, such as a VCR or DVD player

AV Input (Side) - input designed for infrequent use, such as with a camcorder or video game unit

AV Output (Rear) - output signals from TV to devices such as VCR's

Channel Recall - instant return to the last channel viewed

Closed Caption Display - feature that displays the closed caption or text of a TV broadcast

Remote Control - wireless remote control unit for the TV

On/Off Timer - feature that allows the user to set a time to turn on/off the TV

Parental Control - feature that allow parents to block out selected type of programming

RF IN Jack - standard coaxial antenna jack

S-Video Input - input designed for greater clarity and sharpness; also known as S-VHS

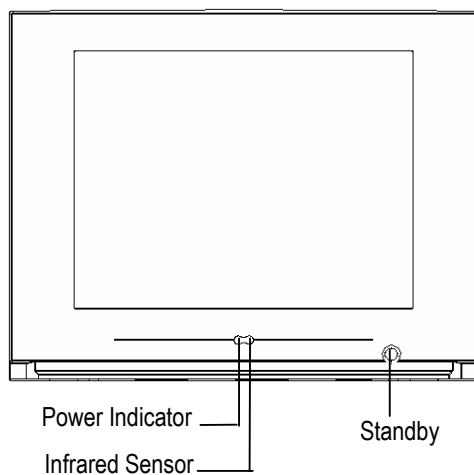
Screen Size - the diagonal size of the TV screen

Selectable Picture Modes - preset standards for TV display: User, Normal, Movie and Sports

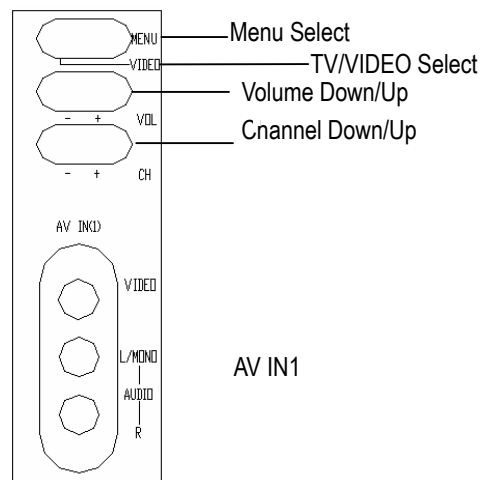
Trilingual On Screen Display (OSD) - TV's on screen display can be either English, French or Spanish

Front and Rear Unit Profiles

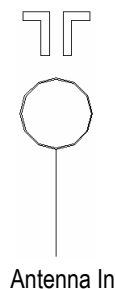
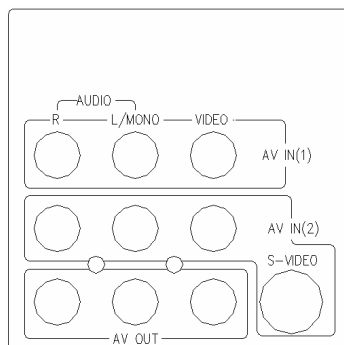
Front panel



Side panel



Rear panel



Instruction Manual

Remote Control Features

FUNCTION Used for volume control and child lock

KEYPAD Used to select channels by number

VIDEO Cycles through the Video/TV modes

DISPLAY Brings up the TV/Video display

ARROWS Used to navigate the TV menus

SCAN Scans all active channels

SLEEP Used to set the Sleep Off time

PICTURE Selects the various Picture Modes

STANDBY Turns on/off the TV

CH+/- Used to change the current channel

VOL+/- Used to adjust the volume level

MENU Accesses the TV menus

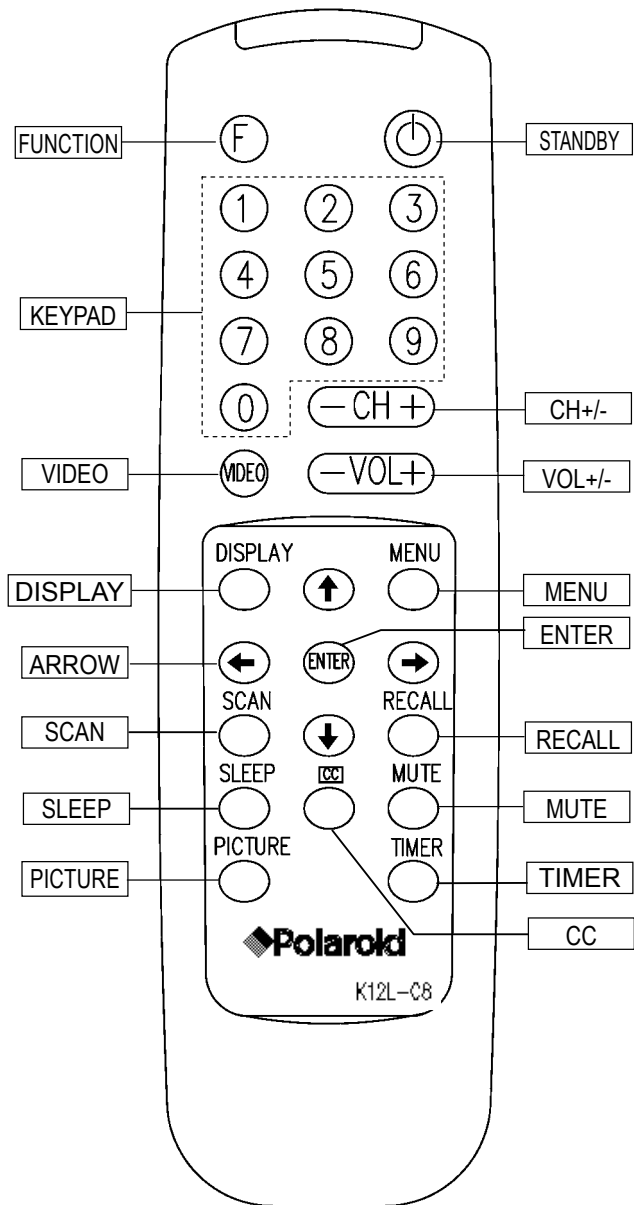
ENTER Accesses the sub menu

RECALL Returns to the last channel viewed

MUTE Mutes or restores the TV volume

TIMER Accesses the Timer menu

CC Activates Closed Captioning



Instruction Manual

INSTALLATION

- Please read the safety instructions in this manual completely before installation.
- Install your TV in an area where direct sunlight will not fall upon the screen.
- Soft, indirect light is best for television viewing.
- Allow enough space (at least 4 in.) between the TV and any walls or enclosures for proper ventilation.
- Optimum television viewing distance is 3-5 times the screen's size.

Auto-Degaussing

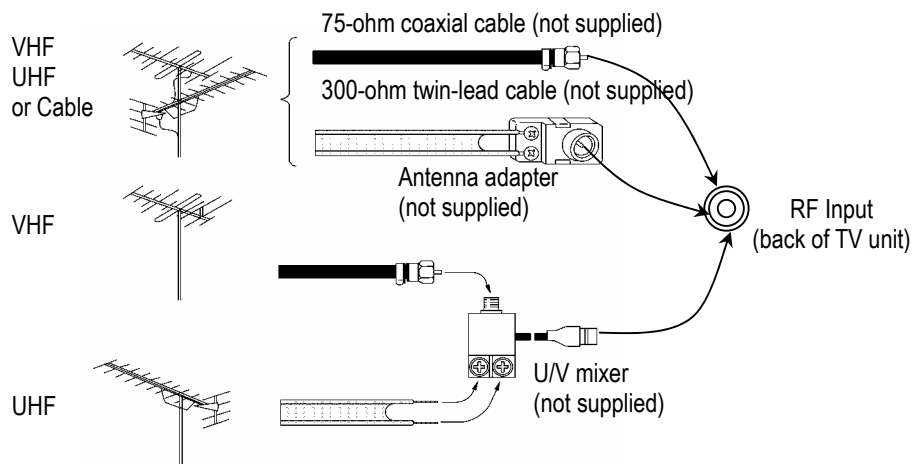
Color television can be easily affected by magnetism, which shows as color distortion on the screen. If your TV is affected by nearby magnetic components or appliances, turn it off for a few minutes. The built-in auto-degaussing circuit will eliminate the magnetic interference.

Auto off when no signal received

The TV set will automatically enter into Standby mode when the following conditions are met.

1. TV is in antenna mode.
2. Current channel has no signal.
3. No key is pressed within 15 minutes.

Connecting the Antennae



Notes :

1. It is recommended that a 75 ohm coaxial cable be used in order to eliminate interference and noise which may occur due to nearby radio transmissions.
2. The antenna cable should not be tied together with other wiring.
3. Set up a lightning rod and check it regularly when an outdoor antenna is used.

Installing the Remote Control Batteries

1. Remove the battery compartment lid.
2. Insert two AAA batteries (included). Make sure the positive (+) and negative (-) polarities are correctly aligned.
3. Reattach the battery lid.

Notes:

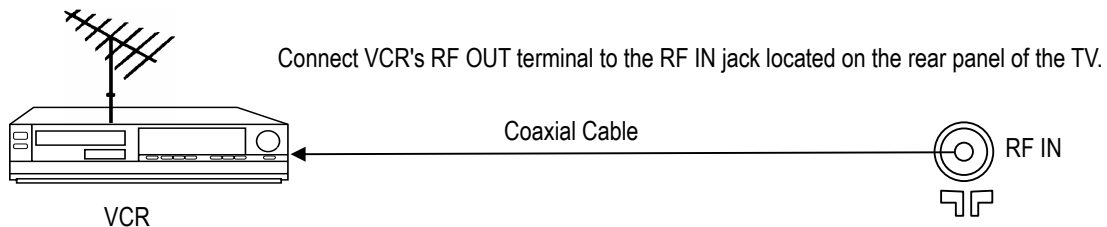
1. Alkaline batteries are recommended for longer life.
2. Always replace both batteries at the same time.
3. Do not expose batteries to fire or break them open.
4. To avoid battery leakage, remove batteries from the remote control when it is not being used for a long period of time.

Instruction Manual

INSTALLATION (continued)

Connecting A/V Equipment

The following are diagrams showing basic instructions for attaching external equipment, like a VCR or DVD player, to your TV set. Please refer to operation manuals of external audio/video equipment that will be connected to your set for additional instructions. PLEASE TURN OFF ALL POWER BEFORE CONNECTING DEVICES TOGETHER.



Input from Device to TV

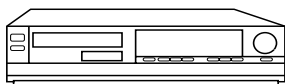
AUDIO/VIDEO OUT



DVD Player

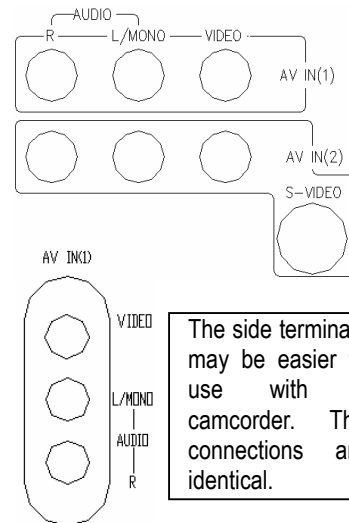
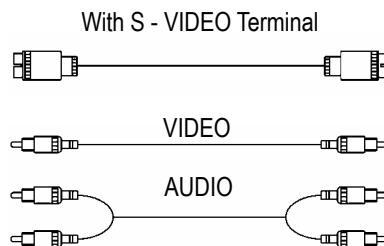


Camcorder



VCR

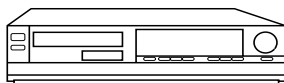
DO NOT connect both composite (yellow video terminal) and S-Video terminal. Use only one of the two. Also, remember to connect the audio cables when using S-Video.



The side terminals may be easier to use with a camcorder. The connections are identical.

Output from TV to Device

AUDIO/VIDEO IN



VCR



FUNCTIONS & FEATURES

Turn On/Off

1. Turn On
- Plug in the power cord, and the TV should enter into Standby mode. Pressing STANDBY key will turn on the TV and its power indicator light.
2. Standby
- While the TV is on, press the STANDBY key will put the TV in Standby or off mode. The power indicator light on the TV set will turn off.

Basic Functions

Changing the Channel

While in Tuner mode, press the CH +/- keys to change the channel, or use the numeric keypad to enter a new channel.

Adjusting the Volume

To adjust the volume, press the VOL +/- keys. Also, you may press the FUNCTION (F) key along with the VOL +/- keys to adjust the volume in increments or decrements of 4.

Muting the Volume

To mute the volume, press the MUTE key. To restore the volume, press MUTE again or press the VOL + key.

Function Selection Menus

To change the setting of any function, press the MENU key to bring up the main menu. Press the up or down arrow key to highlight the desire sub-menu and press the left or right arrow key (or ENTER key) to access. While in the sub-menu, use the up or down arrow key to select the item and the left or right arrow to adjust the setting. Press the MENU key to return to the main menu and exit.


While in the setup menu, CH-/++ and VOL-/++ key on the front panel will function as the down/up/left/right arrow keys on the remote control.

Picture Menu

Features

This menu allows you to adjust the various picture settings. Use the up or down arrow key to move between the various settings, and the left or right arrow key to adjust them.

- Tint: -31 (more purplish to +31 (more greenish)
- Brightness: 0 (dimpest) to 63 (brightest)
- Contrast: 0 (minimum contrast) to 63 (maximum contrast)
- Color: 0 (minimum color) to 63 (maximum color)
- Sharpness: 0 (minimum sharpness) to 63 (maximum sharpness)

Picture	
 Tint!..... 00
Brightness!..... 32
Contrast!..... 32
Color!..... 32
Sharpness!..... 32

FUNCTIONS & FEATURES (continued)

Tuner Menu

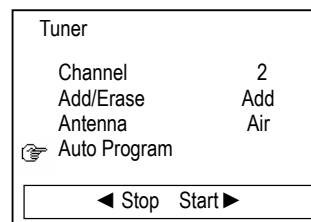
Note: This menu is only accessible while the TV is in Tuner mode.

Channel:

This feature allows you to change the channel displaying on screen. Use the left or right arrow key or the numeric keypad to change the channel.

Add/Erase:

This feature allows you to add or remove the channel currently display on screen to the "active channel list". Active channel list is the list of channel that is available by pressing the CH+/- keys. Use the left or right arrow key to add or erase.



Antenna:

This feature sets the TV tuner to an Air antenna or a Cable antenna. Please use Air mode when using an over-the-air antenna; use Cable mode for a cable hookup. Use the left or right arrow key to select between the two options.

Auto Program:

This feature will setup the Active channel list for the user. The list will include only the channels with a signal detected. Press the right arrow key to begin and the left arrow key to stop the process.

Timer Menu

Press the TIMER key on the remote control to access this menu.

Time

This feature allows you to set the clock on the TV.

On Time

This feature allows you to preset a time when the TV set will turn on.

On Channel

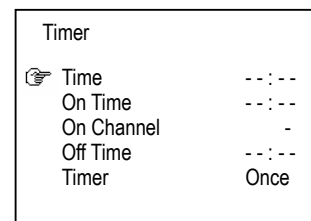
This feature allows you to preset the channel on display when the On Time is activated.

Off Time

This feature allows you to preset a time when the TV set will turn off.

Timer

Timer can be set to Once or Always.



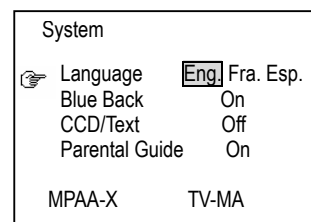
System Menu

Language:

This feature allows you to pick a language used for the on screen display (OSD). Use the left or right arrow key to select the language of your choice - English (Eng.), French (Fra.) or Spanish (Esp.).

Blue Back:

This feature gives you the option to display a blue background on the TV screen when there is no signal present. Use the left or right arrow key to toggle between on and off.



Closed Caption:

Closed caption is a feature that allows your TV set to display, on screen, the dialogue, narration, and sound effect of a TV program. It also allows you to display teletext signal. Text and caption will be displayed at either the top or the bottom of the screen. There are nine different setting for closed caption. You can set it to one of the 4 Closed Caption settings (CC1-4), one of the 4 Text settings (T1-4), or set this feature to off (CCD/Text off).

Notes: A Closed Caption signal may not display under the following conditions :

- If there is no Closed Caption / Text signal to decode
- When the signal is weak or altered (due to interference or poor reception)
- When viewing a dubbed video tape

Instruction Manual

FUNCTIONS & FEATURES (continued)

System Menu (continued)

Parental Guide

This feature allows parents to block certain programs from being viewed, based on the programs' rating. In order to access this menu, you must first enter a pass code. The factory default is 6688. Enter the pass code while the Parental Guide is highlighted. Now, with Parental Guide set as On, press the right arrow key to access the TV Rating grid.

System	
Language	Eng Fra. Esp.
Blue Back	On
CCD/Text	Off
Parental Guide	On
MPAA-X TV-MA	
Enter Pass Code - - - -	

TV Rating

Using the up or down arrow key to navigate between the ratings, press the MENU key to block out a particular rating completely. Or, if you wish, press the down arrow key to highlight an individual rating (anywhere a U is displayed in the middle of the grid.) Pressing the MENU key with one of these individual ratings highlighted will block only programs that feature that particular aspect. See the TV rating diagram at right for an example. TV ratings are defined in the charts below:

Age	Defined as
TV - Y	All Children
TV - Y7	Directed to Older Children (over 7)
TV - G	General Audience
TV - PG	Parental Guidance Suggested
TV - 14	Parents Strongly Cautioned
TV - MA	Mature Audience Only

Contents	Defined as
FV	Fantasy Violence
D	Sexual Dialogue
L	Adult Language
S	Sexual Situations
V	Violence

TV-Rating	
Rating	FV D L S V
TV-Y	U
TV-Y7	U U
TV-G	U
TV-PG	U U U U U
TV-14	U U U U U
TV-MA	U U U U
Age Based Rating	

MPAA Rating

Press the right arrow key while in the TV Rating grid to access this grid. Use the up or down arrow key to navigate between the MPAA ratings. Pressing the MENU key with a rating highlighted will block that particular rating from being shown on this TV. A B will show in red next to the blocked rating. Please note that blocking a lower rating (for example, PG) will block all higher ratings (PG-13, R, NC-17, X.)

MPAA - Rating	
Movie	Rating
G	U
PG	U
PG-13	U
R	U
NC-17	U
X	U
Age Based Rating	

Pass Code Menu

This menu allows you to change the access code for the Parental Guide functions of the TV set. Press the MENU key when Pass Code Control is highlighted. This will turn on or off the Pass Code function. With the Pass Code function ON, you can also change the Pass Code. Use the down arrow key to highlight Pass Code, then enter the new Pass Code using the numeric keypad.

Pass Code Menu	
Pass Code Control	
Pass Code	6688
Enter Pass Code - - - -	

Note: The factory pre-set password is 6688. The initial password will be replaced when the new one is used. Please contact the service center in case you forget the password.

FUNCTIONS & FEATURES (continued)

Useful Remote Control Features

DISPLAY

This key allows you to display the current information of the TV screen on the upper right hand corner of the screen. (channel, antenna mode, time, video, etc.)

TIMER

This key allows you to directly access the Timer menu. For an explanation of this menus features, please see page 10.

SCAN

Press the SCAN key twice, and the TV will begin to scan through all active channels. To stop the Scan, pressing any key can interrupt scanning. Please note that Scan will only work in Antenna mode.

PICTURE

Your TV has factory preset picture modes that allow you to optimize your TV viewing. To activate these picture modes, press this key, and you can choose among User, Normal, Movie and Sports.

RECALL

This key will allow you to return to the last channel you were viewing. Pressing it again will return you to the channel you just left.

CC

Pressing the CC key will activate the currently selected Closed Captions or Text under the System Menu. Pressing it again will turn off the Closed Captions or Text.

VIDEO

This key allows you to toggle between antenna and different video modes.

Child Lock

The Child Lock feature prevents unauthorized viewing of the TV. To activate, press and hold the F key, and then press MUTE. You should see a key symbol appear on the screen. This will lock out all remote functions (except for Standby). To unlock the TV, press and hold the F key and press MUTE. This will unlock the TV. Please note that the only way to activate or deactivate the Child Lock feature is via remote control - please insure that it is stored securely.

SLEEP

Press the SLEEP key repeatedly to switch the TV to one of the following modes:

- -->15-->30-->45-->60-->90-->120-->180 (Unit: Minute)

The TV will automatically enter the Standby mode when the preset Sleep time is up.

The TV will display a message one minute before the Sleep timer runs out.

0-9

Press the 0-9 keys to enter channel numbers directly (2-69 in the Air mode or 1-125 in the Cable mode).

Press the corresponding Number key(s) to enter a channel number from high-digit to low-digit.

Each digit should be entered at 3 seconds time interval.

TROUBLESHOOTING GUIDE

Check the following guide for a possible correction to a problem before contacting customer support.

Symptoms	Correction
No power	<ul style="list-style-type: none"> ● Connect the power plug into the wall outlet securely.
Dark, Poor or No picture	<ul style="list-style-type: none"> ● Verify the connection from the VCR video output to the TV video input is secure. Then switch TV to the appropriate Video mode by pressing TV/VIDEO button. ● Adjust picture setting for tint, color brightness and sharpness. ● Verify coaxial cable from antenna is connected to RF IN.
No sound	<ul style="list-style-type: none"> ● Connect the audio cables into the terminals securely. ● Verify the connection from the VCR audio output to the TV audio input. Then switch to the appropriate mode on the receiver. Refer to your audio amplifier owner's manual. ● Verify the volume is at an appropriate level and the mute feature is not on.
No TV signal	<ul style="list-style-type: none"> ● If television is connected through a stereo receiver use its volume control to adjust stereo speaker sound. ● Verify the TV is set to Antenna mode. ● Make sure the antenna is securely connected to the RF in jack. ● Unplug the TV from the wall for 30 seconds, then plug in and try again. ● Unplug the antenna connection from the back of the TV, unplug the TV from the wall, wait for 30 seconds, and then try again.
Stripe or purple interference appears in the screen.	<ul style="list-style-type: none"> ● Verify the speakers around the TV set are shielded otherwise move them at least 6 inches away.
Picture becomes snowy.	<ul style="list-style-type: none"> ● Verify the antenna lead wire is in working condition. ● Verify the antenna is connected securely to the RF in jack.
Picture with multi-image	<ul style="list-style-type: none"> ● Use an omni directional outdoor antenna. ● Move the antenna around to minimize multi-images.
TV channel not received	<ul style="list-style-type: none"> ● Make sure the Air/Cable setting is correct. ● Channel may be locked with block channel feature, such as Parental Control. Factory default setting is 6688. ● Check Add/Erase feature, as channel may be have been erased during set up.
Black box appears on screen.	<ul style="list-style-type: none"> ● Verify Closed Caption feature is off.
Remote control doesn't operate.	<ul style="list-style-type: none"> ● Batteries may be weak. Replace batteries. ● Recheck the batteries are installed correctly with the correct +/- polarity. ● Make sure nothing is in between the remote and the remote sensor.

DVD Player

Operation Manual



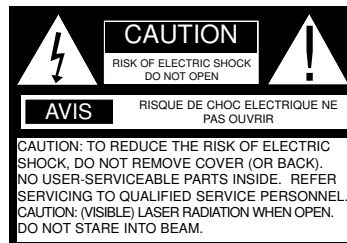
Safety Precautions



The lightning flash with an 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, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS. DO NOT OPEN THE CABINET, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. ONLY QUALIFIED SERVICE PERSONNEL SHOULD ATTEMPT THIS.

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

ATTENTION: POUR EVITER LES CHOCES ELECTRIQUE, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOUD.

CAUTION: This player employs a Laser System. To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. **DO NOT STARE INTO BEAM.**

To ensure proper use of this product, please read this operating instructions carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location, or contact local dealer. Only qualified service personnel should remove the cover.

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device. Pursuant to the part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

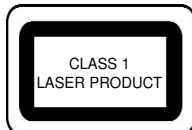
This equipment generates,uses and can radiate radio frequency energy and,if not installed and used in accordance with the instructions,may cause harmful interference to radio communication.However,there is no guarantee that interference will not occur in a particular installation.If this equipment does 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 Caution:To assure continued compliance,(example-use only shielded interface cables when connecting to computer or peripheral devices).Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

WARNING: Changes or modifications made to this equipment, not expressly approved by manufacturer or parties authorized by manufacturer will void all the manufacture warranties.

THE REGION CODE FOR THE UNIT IS 1.



Since it is very usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.

For Customer Use:

In spaces provided below, record the Model and Serial No. located on the rear panel of your player.

Model No. _____ Serial No. _____

Retain this information for future reference.

Important Safety Instructions

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OPERATING INSTRUCTION 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 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 these instructions.
2. Keep these instructions.
3. Heed all warnings
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.



12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS

15. When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause tearing damage.
16. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.
18. Do not place a heavy object on or step on the apparatus. The object may fall, causing serious personal injury and serious damage to the apparatus.
19. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

20. Caution - 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.

Caution: This unit should only be serviced by an authorized and properly trained technician. Opening the cover or other attempts by the user to service this unit may result in serious injury or death from electrical shock, and may increase the risk of fire.

Precautions

Notes on handling

- When shipping the Player, the original shipping carton and packing materials come in handy. 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 player. Do not leave rubber or plastic products in contact with the Player for a long time. They will leave marks on the finish.
- The top and rear panels of the Player may become warm after a long period of use. This is not a malfunction.
- When the Player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the Player for a long period, the unit may not function properly in the future. Turn on and use the player occasionally.

Notes on locating

- Place the player on a level surface. Do not use is on a shaky or unstable surface such as a wobbling table or inclined stand. The loaded disc may come off the proper position and cause damage to the player.
- When you place this player near a TV or radio, the playback picture may become poor and the sound may be distorted. In this case, place the player away from the TV or radio.

Notes on cleaning

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 it dry. Do not use any type of solvent, such as thinner and gasoline, as they may damage the surface of the player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

To obtain a clear picture

The player is a high tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, 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.

Notes on moisture condensation

Moisture condensation damages the 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 player.

Moisture condensation occurs during the following cases.

- When you bring the player directly from a cold place to a warm place.
- When you use the 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 player in a hot and humid place just after you move the unit from an air-conditioned room.
- When you use the player in a humid place.

Do not use the player when moisture condensation may occur.

If you use the player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the player to the wall outlet, turn on the player, and leave it for two or three hours, the player will have warmed up and evaporated any moisture. Keep the player connected to the wall outlet and moisture condensation will seldom occur.

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Introduction

Your new DVD player is designed for you to enjoy all forms of disc media. Your player will allow you to enjoy full-length motion pictures with "at-the-movies" picture and cinema quality sound.

Your new player also supports CD. Your player also has several unique features, S-Video and component video output (for greater picture clarity), Parental Control (to prevent children from viewing inappropriate content) and Kodak Picture CD compatibility (so you can view photos on your TV). This is a true multimedia machine designed for the multimedia world to enjoy.



Notes on Discs

HOW TO HANDLE, CLEAN, AND STORE DISCS.

HANDLING DISCS

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



NOTE: The dealer shall not be responsible for damage that may occur to a disc from being operated in the player.

CLEANING DISCS

- Fingerprints and dirt on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dirt off, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as a thinner, benzene, commercially available cleaners or anti-static spray for vinyl LP's.



PLAYABLE DISCS

This DVD video player can playback the following discs.

	Disc Mark	Contains	Disc Size	Maximum playback time
DVD video disc		Audio + Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
Kodak Picture CD		Spec.	12 cm	

STORING DISCS

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

NOTES ON REGIONAL NUMBERS

DVDs are divided into separate regions. The United States and Canada are designated as region 1. Your DVD video player plays region 1 DVDs only.

TYPE OF TV SYSTEM

Connect this DVD video player to a TV compatible with the NTSC or PAL system.

Note:

Though every attempt is made to accommodate all supported disc technologies, certain discs may not playback. The OSD and illustration in this manual may be somewhat different from the actual situation. Please take the unit as the standard.

UNPACKING

First check and identify the contents of your DVD video player package, as listed below:

- DVD Video Player
- Remote control handset with separately packed batteries
- Audio Cable (red and white) 1
- Video Cable (yellow) 1
- Operating Instructions 1
- Size AA batteries 2

If any item should be damaged or missing, please inform your dealer without delay.

Keep the packaging materials, you may need them to transport your player in the future.

WHERE TO LOCATE YOUR DVD

- A. Place the unit on a firm, flat surface.
- B. When you place this DVD video player near a radio, or VCR, the playback picture may become poor and/or distorted. In this situation, move the DVD video player away from the other units.
- C. If placed in a cabinet, please allow at least 2.5 cm (1 inch) of free space all around the player for proper ventilation.

TO OBTAIN A CLEAR PICTURE

The DVD video player is a precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, picture quality can become poor. We recommend regular inspection and maintenance every 1,000 hours of use depending on the operating environment.

Remote Control

THE INSTRUCTIONS BELOW DESCRIBE THE FUNCTIONS ON THE REMOTE CONTROL.

- | | |
|---------------------------|--------------------------------------|
| 1. POWER | 17. VOLUME UP / DOWN |
| 2. NUMBER BUTTONS | 18. REPEAT |
| 3. SHUFFLE | 19. A-B REPEAT |
| 4. PROGRAM | 20. MUTE |
| 5. KODAK T.E. | 21. GOTO |
| 6. RESUME | 22. CLEAR |
| 7. SLOW | 23. DISPLAY |
| 8. STEP | 24. I/P (INTERLACE/PROGRESSIVE SCAN) |
| 9. SETUP | 25. ZOOM |
| 10. AUDIO | 26. PAL/NTSC |
| 11. MENU | 27. ANGLE |
| 12. DIRECTION BUTTONS | 28. SUBTITLE |
| 13. ENTER/PLAY | 29. TITLE |
| 14. PAUSE | 30. STOP |
| 15. SKIP FORWARD/ REVERSE | 31. FAST FORWARD |
| 16. OPEN/CLOSE | 32. FAST REVERSE |

NOTICE:

- **POWER** button on the remote control is for standby power only. Turn on the main power button on the DVD Video Player.
- **P/N** button is for PAL/NTSC. If a PAL region 1 DVD disc is played, when the player is stopped completely, press P/N for normal playback. Otherwise, the picture will continuously roll.
- **MUTE** button cuts out sound from the player; **MENU** returns the player to the movie menu at the beginning of a disc; **VOL** controls player volume.
- When "S" displayed on TV, function is not operational on the disc.

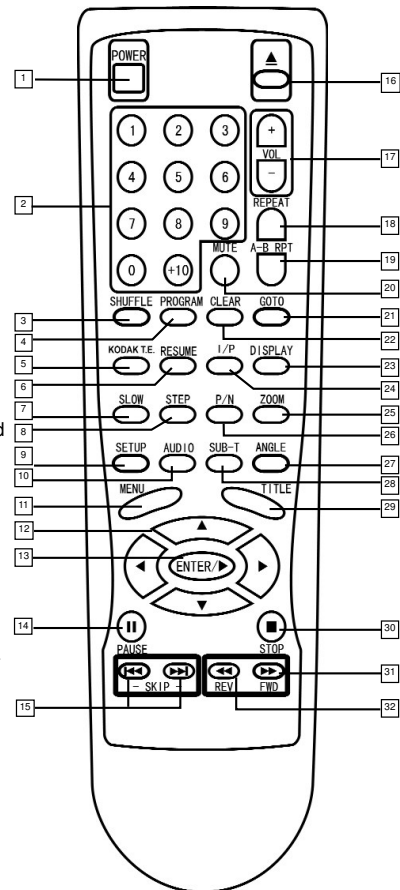
To operate the DVD video player, you must first place the batteries in the remote control.

1. **Open the cover.**

2. **Insert batteries (AA size).**

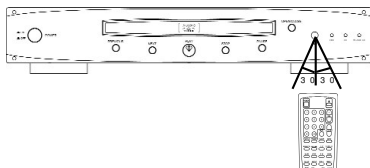
Make sure to match the + and - on the batteries to the marks inside the battery compartment.

3. **Close the cover.**



OPERATING WITH THE REMOTE CONTROL

Operating video player with the remote control.



The remote control must point at the remote sensor in order for the player to function correctly.

Distance: Maximum of 7 m from the front of the remote sensor.

Angle: Approximately 30° from each direction.

**Do not place the remote sensor towards any light source such as direct sunlight. The DVD video player may malfunction.*

BATTERIES

INCORRECT USE OF BATTERIES MIGHT CAUSE THEM TO LEAK, CORRODE OR EXPLODE.

- Do not place the batteries in the wrong direction.
- It is dangerous to charge/heat/open or short-circuit the batteries.
- Do not leave dead batteries or mix old/new batteries in the remote control.
- When not using the remote control for a long duration of time,

remove the batteries. When operating range becomes reduced, replace batteries.

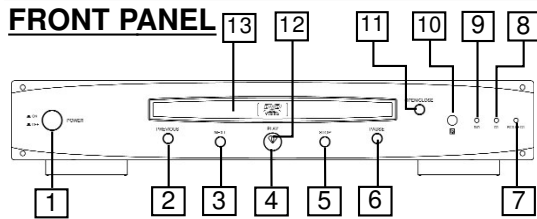
- If battery leakage occurs, wipe the battery liquid from the battery compartment, then replace batteries.

REMOTE CONTROL

- The remote control should be aimed directly towards the remote sensor of the DVD video player.

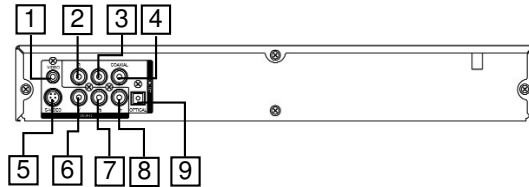
Identification of Controls

FRONT PANEL



- | | |
|------------------------------|--------------------------|
| 1 POWER ON/OFF | 10 REMOTE SENSOR |
| 2 PREVIOUS | 11 OPEN/CLOSE |
| 3 NEXT | 12 POWER INDICATOR LIGHT |
| 4 PLAY | 13 DISC TRAY |
| 5 STOP | |
| 6 PAUSE | |
| 7 PICTURE CD INDICATOR LIGHT | |
| 8 CD INDICATOR LIGHT | |
| 9 DVD INDICATOR LIGHT | |

REAR PANEL



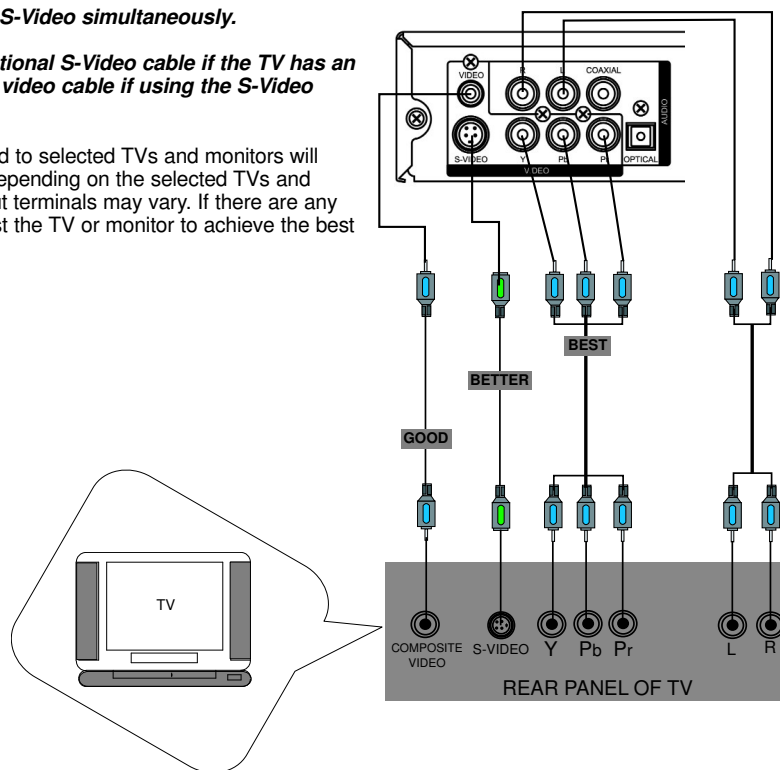
- | |
|--------------------------------|
| 1 COMPOSITE VIDEO OUTPUT |
| 2 ANALOG AUDIO OUTPUT R |
| 3 ANALOG AUDIO OUTPUT L |
| 4 DIGITAL AUDIO-COAXIAL OUTPUT |
| 5 S-VIDEO OUTPUT |
| 6 COMPONENT VIDEO OUTPUT Y |
| 7 COMPONENT VIDEO OUTPUT Pb |
| 8 COMPONENT VIDEO OUTPUT Pr |
| 9 DIGITAL AUDIO-OPTICAL OUTPUT |

Connection to a TV

When connecting YPbPr, do not connect S-Video simultaneously.

Connect the DVD video player with an optional S-Video cable if the TV has an S-Video input. Do not connect the yellow video cable if using the S-Video cable.

Component output terminals when connected to selected TVs and monitors will produce a higher quality picture playback. Depending on the selected TVs and monitors, the wording of the component input terminals may vary. If there are any fluctuations with the color played back, adjust the TV or monitor to achieve the best audio and /or picture.



NOTICE

- Refer to the manual of the connected TV.
- Turn off power and unplug both units before connecting.
- If you connect the DVD video player to a video cassette recorder (VCR), or TV/VCR combination, the playback picture will be distorted because all DVD players incorporate copyright protection circuitry by Macrovision®.
- Keep the DVD video player away from any tuner or radio to avoid any static or distorted sound interference from a broadcast.
- Due to the wide dynamic range of sound output of the DVD video player, adjust the volume of your receiver to a comfortable listening level to avoid any speaker damage.

Connection to Optional Equipment

Enjoying Dolby Pro Logic Surround Sound (GOOD) Dolby Pro Logic Surround

Enjoy the dynamic realistic sound of Dolby Pro Logic Surround by connecting an amplifier and speaker system (right and left front speakers, a center speaker, and one or two rear speakers).

Enjoy Dolby Digital (BEST)

Dolby Digital

Dolby Digital programming can deliver surround sound with five discrete full range channels plus a sixth channel for a subwoofer. You can enjoy your DVD with a Dolby Digital Surround Sound System. All you need is to connect your DVD player to a Dolby Digital receiver or a Dolby Digital Ready receiver with an external decoder.

Connect the OPTICAL output of your player to optical input of the amplifier.

How to setup the sound output

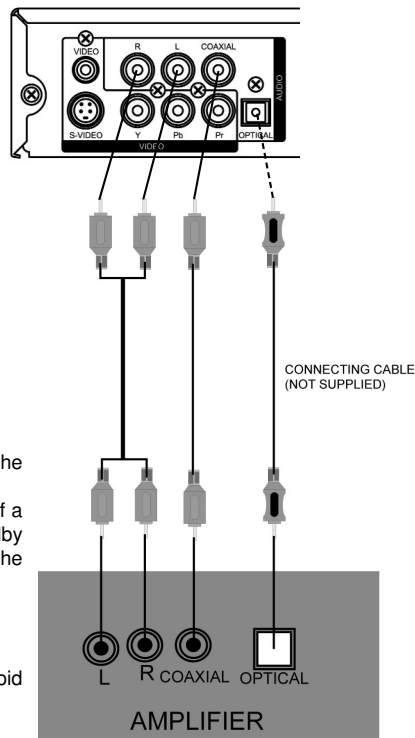
From the SETUP MENU display, select Audio with DIRECTION buttons, then press ENTER/PLAY. Set "Digital Out" to "RAW" with DIRECTION buttons and then press ENTER/PLAY.

NOTICE

- Refer to the manual of the connected TV.
- Turn off power and unplug both units before connecting.
- Due to the wide dynamic range of sound output of the DVD video player, adjust the volume of your receiver to a comfortable listening level to avoid damaging speaker.
- Do not connect the "COAXIAL" jack of the DVD video player to the AC-3 RF input of a Dolby Digital receiver. Instead, connect to the "DIGITAL" or "COAXIAL" input of a Dolby Digital receiver or Processor. The input of the A/V receiver is not compatible with the "COAXIAL" jack and is primarily for Laser discs only.
- Refer to the manual of the connected TV.
- Adjust the volume of your receiver to a comfortable listening level to avoid any speaker damage.
- When connecting or disconnecting the DVD video player, turn off the amplifier to avoid any speaker damage.
- Do not connect the "OPTICAL" and "COAXIAL" simultaneously.

Enjoying Digital Stereo Sound (BETTER) Digital Stereo

Enjoy the dynamic sound of Digital Stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).



Memo On Output Sounds

DISCS AND OUTPUT SOUNDS

Sound recording system	DVD Video Discs											CD	
	Dolby Digital			MPEG 2			Linear PCM					PCM44.1kHz	
							48kHz		96kHz				
Audio setting on the setting screen	SPDIF /RAW	SPDIF /PCM	ANALOG	SPDIF /RAW	SPDIF /PCM	ANALOG	SPDIF /RAW	ANALOG	SPDIF /RAW	SPDIF /PCM	ANALOG	SPDIF /RAW	ANALOG
ANALOG AUDIO OUT jacks	—	—	0	—	—	0	—	0	—	—	0	—	0
DIGITAL AUDIO OUT jack	Dolby Digital bitstream	PCM (48kHz)	—	MPEG 2 bitstream	PCM (48kHz)	—	PCM (48kHz)	—	PCM (48kHz)	—	—	PCM (44.1kHz)	—

Progressive Scan

WHAT IS PROGRESSIVE SCAN?

With the introduction of Digital/High-Definition TV, televisions can scan viewable information at double the frequency of standard NTSC televisions. This provides for greater picture clarity and detail. This player provides the delivery of images to these newer televisions with greater detail and film like quality. Connect the player to your HDTV ready television using the component video inputs/outputs.

HOW TO SETUP THE VIDEO SCAN MODE?

Connect this Player with Y, Pr and Pb, if your TV has Progressive Scan & Component Video inputs commonly found on HDTV sets. Press I/P button on remote control unit to switch between Interlace & Progressive Scan mode.

Playing Back a Disc

BASIC PLAYBACK

How to playback DVD video discs

• Turn on the TV and choose the video input source which is connected to the DVD video player.

1. Press the POWER button on the front panel.

The POWER indicator will illuminate red, the DVD video player turns on.

2. Press the OPEN/CLOSE button.



This will open the disc tray.

3. Place the disc on the disc tray.

Be sure the graphics side is up and playback side is faced down.

4. Press ENTER/PLAY.

How to enjoy the sound from the audio system

• Turn on the audio system and choose the input source which is connected to the DVD video player.

NOTICE

• A disc may be damaged if it is not correctly placed on the guides in the disc tray, this may also cause the DVD video player to malfunction.

• The menu screen will appear automatically or you may access the menu screen by pressing the TITLE button.

• Moving the DVD video player during playback may cause damage to the disc as well as the player.

• To open and close the disc tray, you may only use the OPEN/CLOSE button on the remote control or DVD video player.

FOR A HIGHER QUALITY PICTURE

DVD discs produce a high resolution picture. This may cause some picture artifacts on the TV during playback. The artifacts will vary depending on the TV used with the DVD video player.

To control picture artifacts reduce the sharpness setting on your TV when viewing DVD discs.

ABOUT DVD CD

DVD CD icons will appear depending on the disc being played back.

DVD: DVD video discs

CD: Audio CDs

HOW TO START PLAYBACK FROM THE MENU SCREEN

1. Press **▲/▼/◀/▶** buttons to select the title.

2. Press the ENTER/PLAY button.

You may also directly press the number button to select the title.

The DVD video player will start playback from the title selected.

HOW TO PAUSE PLAYBACK AND PLAY FRAME BY FRAME (STILL PLAYBACK)

Press the PAUSE button once during playback, then press the ENTER/PLAY button to resume normal playback.

Press the STEP button during playback, the picture will advance one frame each time, then press ENTER/PLAY button to resume normal playback.

During the still playback the sound is muted. Some discs do not have frame by frame feature.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

It is forbidden by law to copy, broadcast, show, play in public, and rent copyrighted material without permission. DVD video discs are copy protected, and any recordings made from these discs will be distorted.

Manufactured under license from Dolby Labs. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. © 1992-1997 Dolby Laboratories, Inc. All rights reserved.

Playing Back a Disc Continued

HOW TO STOP PLAYBACK

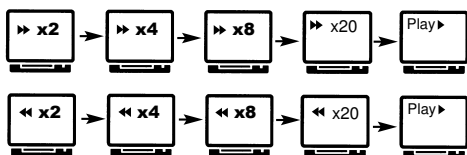
Press the **STOP** button once.
The DVD video player is stopped.
Press the **ENTER/PLAY** button to replay.
Press the **STOP** button twice then press the **ENTER/PLAY** button.
The DVD Video player will playback from the chapter 1 or track 1.

NOTICE

At the completion of each movie a menu screen will appear. Be aware that the on-screen setup menu may damage your TV by permanently burning that image onto the screen. To avoid this, press the STOP button at the completion of each movie.

ADVANCED PLAYBACK

The DVD video player allows you to playback discs at various speeds.



You can playback a disc at x2, x4, x8 or x20 the normal speed.
Press the REV or FWD button during playback.

The playback speed changes, each time you press the REV or FWD button.

REV: Fast reverse ◀◀

FWD: Fast forward ▶▶

Press ENTER/PLAY to resume normal playback.

NOTICE

- The DVD video player may not play back sound during scan reverse and forward playback of DVD video discs. The DVD video player will play sound during fast forward or fast reverse playback of audio CDs.
- The speeds may vary slightly from disc to disc and the x2, x4, x8, and x20 speeds are only approximate speeds.
- Some discs do not utilize this feature.

PLAYING IN SLOW-MOTION

A disc can also be played back in slow-motion.
Press the SLOW button during playback
The playback speed becomes 1/2, 1/4, 1/6, or 1/7 each time you press the SLOW button.

TO RESUME NORMAL PLAYBACK, press ENTER/PLAY.

NOTICE

- During the slow-motion playback, the sound is muted.
- Some discs do not have this feature.

RESUMING PLAYBACK FROM THE SAME LOCATION

This DVD video player allows you to stop playback and continue playback later from the same location on the disc.
1. Press the STOP button once.
2. Press the RESUME or ENTER/PLAY button.
The DVD video player will resume the playback from the location where you stopped playback.

NOTICE

- The following action will cancel the RESUME function:
 - Unplugging the DVD video player after you stop playback.
 - Ejecting the disc.
- On occasion depending on the disc, you may experience a difference of location where playback resumes.
- Some discs do not have this feature.

Selecting the Camera Angles/ Languages / Audio Settings

THIS DVD VIDEO PLAYER ALLOWS YOU TO SELECT FROM SEVERAL DIFFERENT ANGLES AND LANGUAGES.

HOW TO CHANGE THE CAMERA ANGLE

If the DVD video disc was recorded with multiple angles, you have the option to change the camera angle of the scene you are watching.
Press the ANGLE button while playing back a scene recorded with multiple angles.

Press the ANGLE button, the angle will change.



NOTICE

- The angle function will not work on DVD video discs that do not contain the multiple angle features.

HOW TO SELECT A PLAYBACK AUDIO SETTING

This DVD video player allows you to select a preferred language and sound recording system from those included on the DVD video disc.

Example: 1/2Eng 6ch → 2/2Eng 2ch

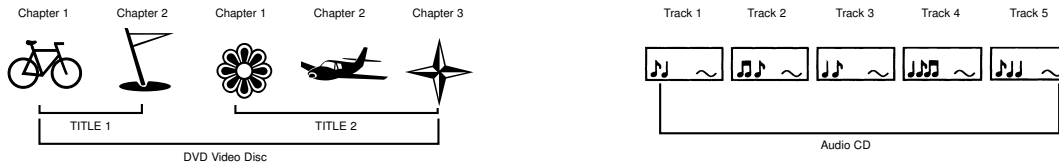
Press the AUDIO button during playback.

NOTICE

- The player returns to the initial default settings, when you turn on the DVD video player or replace a disc.

Locating a Specific Title, Chapter or Track

THE DVD VIDEO DISCS ARE NORMALLY DIVIDED INTO TITLES. THE TITLES ARE SUB-DIVIDED INTO CHAPTERS. MOREOVER, AUDIO CD AND ARE DIVIDED INTO TRACKS. YOU CAN CONVENIENTLY LOCATE ANY SPECIFIC TITLE, CHAPTER, OR TRACK WITH THIS DVD VIDEO PLAYER.



LOCATING A TITLE USING THE TITLE MENU

You can locate a specific title using the title menu function, if a DVD video disc contains a title menu.

1. Press the **TITLE** button

On the TV screen, the title menu will appear.

2. Press the **▲/▼/◀/▶** button to select the title you want

3. Press the **ENTER/PLAY** button

You can also directly locate a specific title by pressing

its assigned number with the number buttons.

This will cause the DVD video player to start playback from chapter 1 of the title selected.

NOTICE

- You may find that some discs will not respond to this function.
- If different instructions appear on the TV screen, follow those instructions. The instructions above are describing the basic procedure where the procedures may vary depending on the contents of the DVD video disc.

LOCATING A SPECIFIC CHAPTER OR TRACK

This DVD video player allows you to locate consecutive chapters or tracks.

Press the **SKIP ◀◀** or **▶▶** button repeatedly to display the requested chapter or track

The DVD video player starts playback from the selected chapter or track.

How to locate preceding chapters or tracks

- When you press the **SKIP ◀◀** button, the DVD video player

starts playback from the beginning of the preceding chapter or track.

How to locate succeeding chapters or tracks

- When you press the **SKIP ▶▶** button, the DVD video player starts playback from the beginning of the succeeding chapter or track.

Notice: On some discs the titles may not display the sub-divided chapters.

LOCATING A TITLE, CHAPTER OR TIME

If a DVD video disc contains title numbers, you can locate a specific title by directly selecting a title number.

1. Press **GOTO** during playback

2. Press the **DIRECTION** buttons to select the title, chapter or time, make sure that the spaces next to Title/Chapter or Time are highlighted, then press the number buttons.

3. Press **ENTER/PLAY** button

Search
Time 00:00:00
Title/Chapter _ _ _ / _ _ _

The DVD video player starts playback from the selected title, chapter or time.

Using the On-Screen Display

THE DVD VIDEO PLAYER ALLOWS YOU TO VIEW THE OPERATIONAL STATUS AND DISC INFORMATION ON YOUR TV SCREEN.

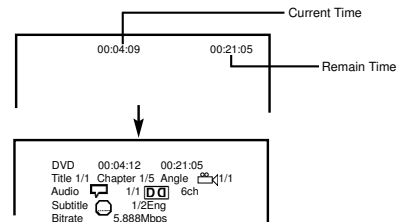
CHECKING THE OPERATIONAL STATUS

With this function, you can view on your TV, the following:

- Type of disc
- Current time
- Title/Chapter/Track number
- Remain time
- Audio
- Subtitle
- Angle

Press **DISPLAY** button during playback.

Press **DISPLAY** button to turn off the on-screen display.



Playing in Random Order

THIS DVD VIDEO PLAYER ALLOWS YOU TO PLAYBACK TITLES, CHAPTERS WITHIN A TITLE, OR TRACKS IN RANDOM ORDER. (RANDOM PLAYBACK)

PLAYING TITLES IN RANDOM ORDER

This DVD video player will automatically choose the titles in a DVD video disc and play them back randomly.

1. Press the SHUFFLE button repeatedly till “Shuffle On” appears on the TV screen.

The DVD video player will now start random playback.

2.To resume normal playback.Press SHUFFLE button repeatedly till “Shuffle Off” appears.

NOTICE

- The DVD video player will go to another chapter or track and start playback, if you press the SKIP button during random playback.

Zooming a Picture

ZOOMING A PICTURE

The DVD video player allows you to zoom into a picture as well as shift the zoom point.

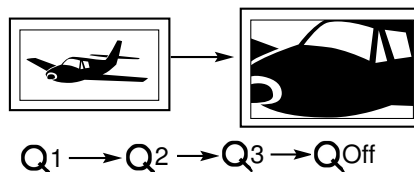
Press ZOOM button.

The DVD video player magnifies in the center of the picture. If you press DIRECTION buttons during zoom playback, the zoom point shifts.

Press ZOOM repeatedly during zoom playback,till the Q_{Off} appears on the TV screen, the player resumes normal playback.

NOTICE

- You may find that some discs will not respond to this function.



Playing Repeatedly

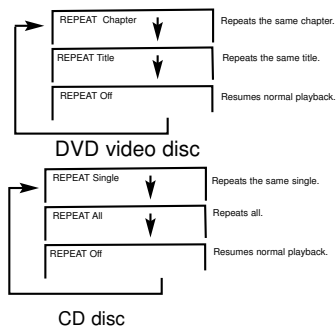
THIS DVD VIDEO PLAYER ALLOWS YOU TO PLAYBACK A SPECIFIC TITLE, CHAPTER, TRACK, OR SEGMENT REPEATEDLY. (TITLE REPEAT, CHAPTER/TRACK REPEAT, A-B REPEAT)

HOW TO REPEAT A TITLE, CHAPTER, OR TRACK

1. Select the title, chapter, or track you want to repeat

2. Press the REPEAT button

The repeat mode changes, each time you press the REPEAT button.



HOW TO REPEAT A SPECIFIC SEGMENT

1. Press the A-B RPT button at the beginning of the segment in which you want to repeat playback. (point A)

Rep A-

2. Press the A-B RPT button again at the end of the segment. (point B)

The DVD player will automatically return to point A and start to repeat playback of the selected segment (A-B).

Rep A-B

3. Press the A-B RPT button to cancel the A-B repeat function.

The DVD video player will resume to normal playback.

Rep Off

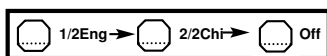
Selecting Subtitles

HOW TO DISPLAY SUBTITLES

You have the option to select a preferred subtitle from those included on some DVD video disc.

Press the SUB-T button during playback.

Example :



To turn off the subtitles.

Press the SUB-T during playback until Off appears on the TV screen.

NOTICE

- Due to the nature of some DVD video discs, you may not be able to turn off the subtitles and they will appear on screen automatically.
- As you press the SUB-T button, the subtitles may not appear immediately during some scenes.
- If the subtitles continue to show on your TV even after the DVD has been turned off, please refer to the TV's close caption settings.

Playing in a Favorite Order

YOU CAN COMBINE YOUR FAVORITE TITLES, CHAPTERS, OR TRACKS AND PLAY THEM BACK IN ANY ORDER. (PROGRAM PLAYBACK)

HOW TO SET TITLES, CHAPTERS, OR TRACKS IN A FAVORITE ORDER

The program playback function will automatically playback titles, chapters, or tracks in the order preprogrammed.

1. Press the **PROGRAM** button.

At this time, the menu will appear.

Program Input	Title/Chapter
1_ _ _	4_ _ _
2_ _ _	5_ _ _
3_ _ _	6_ _ _
7_ _ _	8_ _ _
10_ _ _	11_ _ _
12_ _ _	

2. Using the number button, select the items in the order you want them programmed in.

To reset program, press CLEAR.

3. Select **"Play Program"** on the screen.

The DVD video player starts memory playback.

4. To resume normal playback from memory playback

Press the STOP button then press ENTER/PLAY button to resume normal playback.

NOTICE

- When the DVD video player is turned off or if the discs are removed, the programmed item will be removed.
- Depending on the disc, the program playback may not function.

Playing Back Your Kodak Picture CD

Normal

When a Kodak disc is loaded into the player, each picture in the disc will be displayed consecutively in a slideshow presentation and will be seated to the most of your TV screen. Six slideshow transition modes are provided. Use **KODAK T.E.** key to select.

Tran 0: None

Tran 1: Wipe Down

Tran 2: Wipe Up

Tran 3: Center In

Tran 4: Center Out

Tran 5: Vertical Blind

Tran 6: Random

IMAGE ROTATION

There are four modes to rotate a picture: "90°", "180°", "270°", and "Normal". These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when a new picture is displayed. The **ANGLE** key is used to rotate the image. Each time press it, the image rotates for 90°.

ZOOM

During playing back KODAK disc, it allows you to zoom in or zoom out a picture. For the first 3 times, press the ZOOM button the picture will be zoomed in gradually each time you press it. For the fourth and fifth time, press the ZOOM button, the picture will be zoomed out gradually. For the sixth time, the picture will resume to normal scale.

NOTICE

- You may find that some discs will not respond to this function.

Setting the Parental Lock

YOU CAN USE THE PARENTAL LOCK FUNCTION ONLY WITH DVD VIDEO DISCS EQUIPPED WITH THE PARENTAL LOCK FEATURE.

SETTING THE PARENTAL LOCK

DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allowed, you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc all together.

1. When the DVD player is stopped completely, press **SETUP** button.
The SETUP MENU appears on the TV screen.

General Video Audio Rating

2. Select Rating, press **ENTER/PLAY**

General Video Audio **Rating**

3. Select Rating again, press **ENTER/PLAY** to select the item.

4. After select rating, then select Password to set password.

Password Rating

1. Kid Safe
2. G
3. PG
4. PG-13
5. PG-R
6. R
7. NC-17
8. Adult

5. Enter your password then press **ENTER/PLAY**
The pre-set password is **3308**.

6. Press **SETUP** to exit setup, press **ENTER/PLAY** to start.

Password

TO CHANGE YOUR PASSWORD:

Unlock:

1. Follow step 5 to select password.
2. Input the new password, press **ENTER/PLAY** button.
3. Press **SETUP**.

Lock:

1. Follow step 5 to select password.
2. Enter old password.
3. Press **ENTER/PLAY**.
4. Enter new password.
5. Press **ENTER/PLAY**.
6. Press **SETUP**.

Customizing the Function Settings

THIS DVD VIDEO PLAYER ALLOWS YOU TO CUSTOMIZE THE PERFORMANCE TO YOUR PERSONAL PREFERENCES.

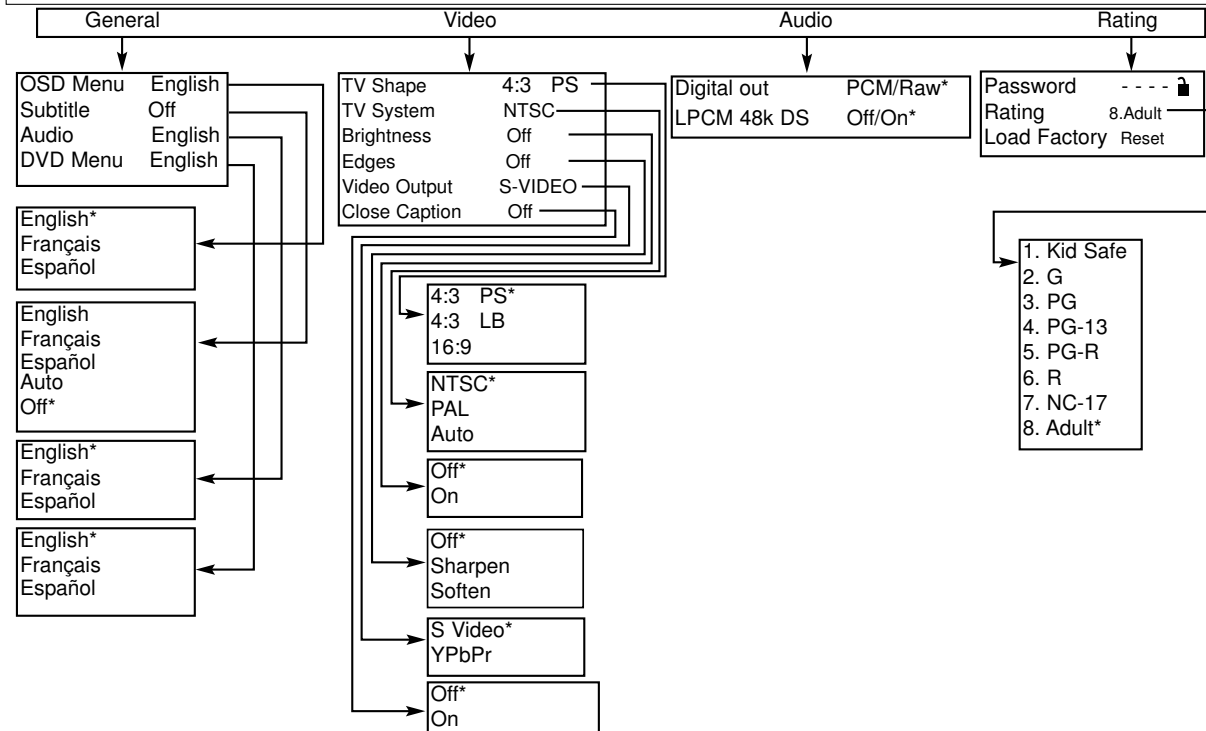
DISPLAYING THE SETUP MENU SCREEN

The SETUP MENU screen asks you to select a setting category from General, Video, Audio and Rating. The selected category will provide you the setting details using the succeeding screen.

1. During stop, press **SETUP** button.

2. Press **▲/▼/◀/▶** to select category (highlight), then press **ENTER/PLAY**.

3. Press **SETUP** to exit.



Specifications

DVD VIDEO PLAYER/OUTPUTS/SUPPLIED ACCESSORIES

DVD VIDEO PLAYER

Power supply	120V~ 60 Hz
Power consumption	20W
Mass	3.0 kg
External dimensions	360 x 50 x 255 mm (W/H/D)
Signal system	NTSC/ PAL
Laser	Semiconductor laser, wavelength 650 nm

SUPPLIED ACCESSORIES

Audio cable (red and white)	1
Remote control	1
Batteries (AA)	2
Video cable (yellow)	1
User's manual	1

OUTPUTS

Video output	1.0 V (p-p), 75 Ω , negative sync
S video output	(Y) 1.0 V (p-p), 75 Ω , negative sync (C) 0.286 V (p-p), 75 Ω
Component video output	Y)1.0V (p-p), 75 Ω (Pb)0.7V (p-p), 75 Ω (Pr)0.7V (p-p), 75 Ω
Audio output (digital audio)	0.5 V (p-p), 75 Ω
Audio output (analog audio)	2.0 V (rms), 10k Ω

Troubleshooting Guide

SYMPTOMS AND CORRECTION

Symptom	Correction
No power	<ul style="list-style-type: none"> Connect the power plug into the wall outlet securely.
No picture	<ul style="list-style-type: none"> Verify the connection from the DVD video output to the TV video input. Then switch TV to appropriate mode (video 1) Connect the video cable into the jacks securely. Refer to your television owners manual.
Have sound but no picture	<ul style="list-style-type: none"> Press I/P button on the player's remote control.
No sound	<ul style="list-style-type: none"> Connect the audio cables into the jacks securely. Verify the connection from the DVD audio output to the TV or receiver audio input. Then switch to the appropriate source on the receiver. Refer to your audio amplifier owners manual.
Black & White picture	<ul style="list-style-type: none"> Damaged S-Video connector (bent pin)
The playback picture has occasional distortion	<ul style="list-style-type: none"> A small amount of picture distortion may appear because of a poor quality video/sound transfer to disc. This is especially true of some discs manufactured between 1997-1998. Scratched disc
Brightness is unstable or noises are produced on playback pictures	<ul style="list-style-type: none"> Connect the DVD player directly through the TV and not through any other source. What you're viewing is the effect of the copy protection circuitry required on all DVD players. If you don't have a video input on your TV, you must purchase an RF adapter from your dealer.
The DVD video player does not start playback	<ul style="list-style-type: none"> Place the disc with the graphics side up. Place the disc on the disc tray correctly inside the guide. Make sure the disc is free from scratches & fingerprints. Press the SETUP button to turn off the menu screen. Cancel the parental lock function or change the parental lock level. (<i>The Pre-set password is 3308.</i>) Turn the power off then disconnect the power plug and reinsert it back into the wall. Retry again. Use region 1 discs only.
MP3 won't read disc or it skips	<ul style="list-style-type: none"> Reburn disc as the software edition used may not be compatible with the player. Check web site for instruction.
The remote control does not work properly	<ul style="list-style-type: none"> Replace the batteries with new ones. Operate the remote control within about 7m.

If our troubleshooting guide doesn't help, give us a call. For service, support and warranty information, visit www.polaroidelectronics.com or in the US call 1-866-289-5168 and in Canada call 1-866-301-7922.

WARNING: Opening the back cover of your Player will void the warranty.

English

For service, support and warranty information, visit www.polaroidelectronics.com or in the US call 1-866-289-5168, in Canada call 1-866-301-7922 and in Mexico call 01-800-400-2443.

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French

Pour les informations concernant l'entretien, l'assistance et la garantie, visiter www.polaroidelectronics.com ou appeler le 1-866-289-5168 aux États-Unis et le 1-866-301-7922 au Canada. Au Mexique appeler le 01-800-400-2443.

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Spanish

Para información relacionada al mantenimiento, soporte y garantía, visite www.polaroidelectronics.com o, en los Estados Unidos, llame al 1-866-289-5168. En Canadá, llame al 1-866-301-7922. En México llame al 01-800-400-2443.

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