

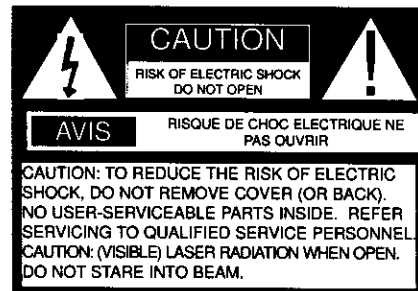
Safety Precautions



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: **DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DUE TO THE HIGH RISK OF FIRE OR ELECTRIC SHOCK, 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 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 VCR&DVD 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 owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location, or contact APEX Digital Inc. Only qualified service personnel should remove the cover.

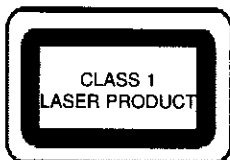
FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device. Pursuant to the part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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 APEX or parties authorized by APEX 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 combo 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.

Please carefully study this manual and always keep it available. There are, however, some installation and operation precautions which you should be aware of.

1. **Read Instructions** - All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture** - Do not use this product near water - for example the apparatus shall not be exposed to dripping splashing and that no objects fill with liquid such as vases, "WARNING" To reduce the risk of fire or electric shock do not expose this apparatus to rain or moisture.
8. **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.



9. **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.
10. **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, and 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.
11. **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 to 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.
12. **Grounding or Polarization** - This product may be 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.
Alternate Warnings - This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature, If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
13. **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.
14. **Protective Attachment Plug** - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
15. **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size or grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
16. **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

Important Safety Instructions

17. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

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

19. 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.

20. 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.

Warning: 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.

21. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power-supply cord or plug is damaged.

b. If liquid has been spilled, or objects have fallen into the product.

c. If the product has been exposed to rain or water.

d. 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.

e. If the product has been dropped or damaged in any way, and

f. When the product exhibits a distinct change in performance - this indicates a need for service.

22. 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.

23. 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.

24. Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

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

UNPACKING

First check and identify the contents of your Combo Player package, as listed below:

VCR&DVD Player	1
AUDIO cable(red and white)	1
Video cable(yellow)	1
Batteries(AAA)	2
Remote control	1
RF(Radio Frequency)Antenna Cable	1
User's manual	1

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 PLACE YOUR Combo Player

A. Place the unit on a firm, flat surface.

B. When you place this combo player near a radio, or VCR, the playback picture may become poor and/or distorted. In this situation, move the Combo 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 Combo Player is a precision device. If the optical pick-up lens, disc drive parts and head 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.

Note:

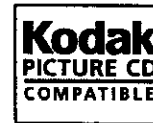
The OSD and illustration in this manual may be somewhat different from the actual situation.

Please take the unit as the standard.

Introduction

Your new APEX Digital VCR&DVD PLAYER is designed for you to enjoy all forms of disc media and VHS Tape. 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, MP3, and WMA. Your player also has several unique features, including AFF (Active Full Screen Function that allows you to view wide screen movie presentations in full screen mode), 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. The digital age has never been easier to enjoy than with APEX Digital.



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: APEX DIGITAL Inc. 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 Combo 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)
Audio CD		Audio	12 cm	Approx. 74 minutes
			8 cm (CD single)	Approx. 20 minutes
MP3 CD		Audio	12 cm	Approx. 600+ minutes
Kodak Picture CD		Spec.	12 cm	
WMA		Audio	12 cm	Up to approx. 22 hours playback

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 DVD. Your player plays region 1 DVDs only.

TYPE OF TV SYSTEM

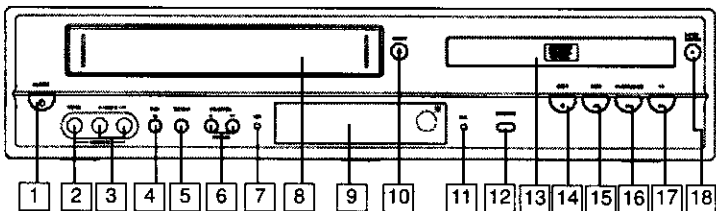
Connect this Combo Player to a TV with the NTSC system.

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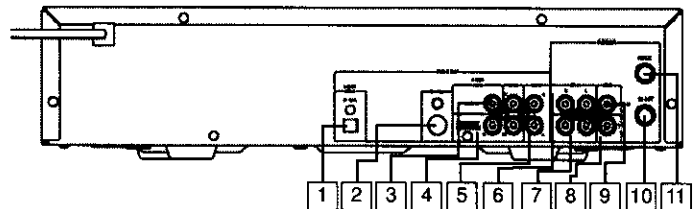
Identification of Controls

FRONT PANEL



- 1 POWER
- 2 VIDEO INPUT JACK
- 3 AUDIO INPUT JACK
- 4 RECORD
- 5 TV/VCR
- 6 CHANNEL UP/DOWN BUTTON
- 7 VCR INDICATOR
- 8 VCR DECK
- 9 OPERATION DISPLAY WINDOW
- 10 EJECT
- 11 DVD INDICATOR
- 12 DVD/VCR
- 13 DISC TRAY
- 14 STOP
- 15 FAST REVERSE
- 16 PLAY/PAUSE
- 17 FAST FORWARD
- 18 OPEN/CLOSE

REAR PANEL

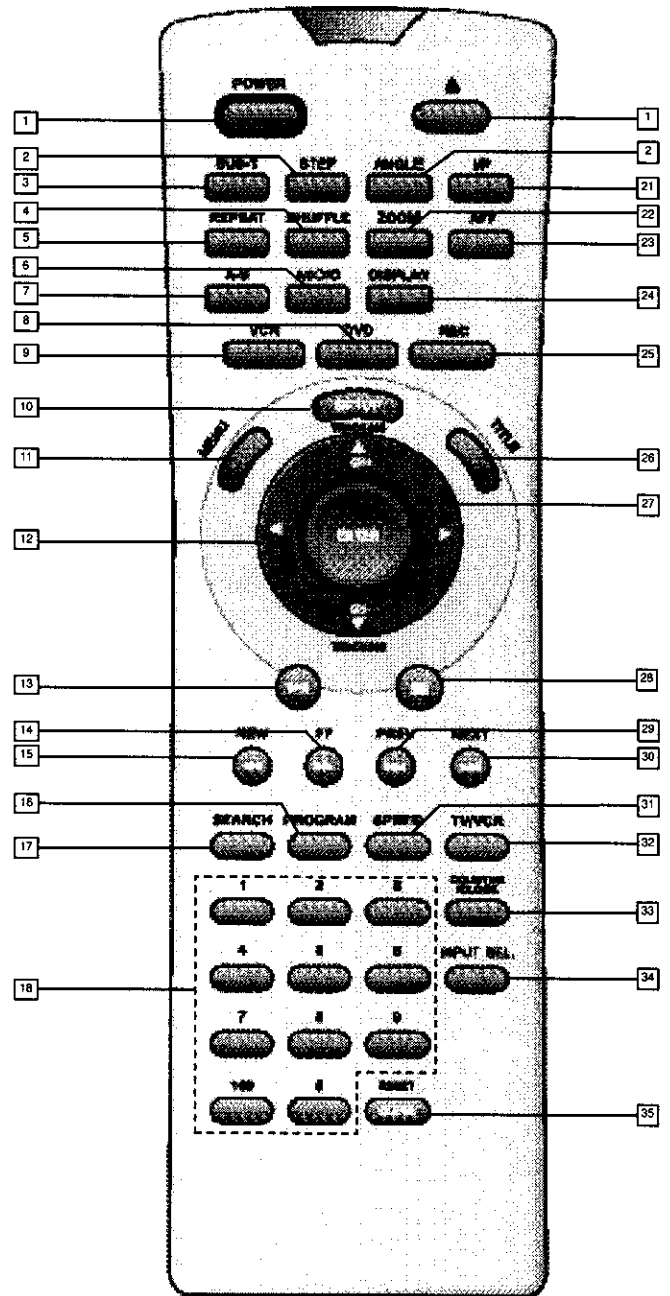


- 1 DIGITAL AUDIO-OPTICAL OUTPUT
- 2 S-VIDEO OUTPUT
- 3 DIGITAL AUDIO-COAXIAL OUTPUT
- 4 COMPONENT/PROGRESSIVE VIDEO
OUTPUT Y Pb Pr
- 5 ANALOG AUDIO OUTPUT L R
- 6 ANALOG AUDIO INPUT L R
- 7 ANALOG AUDIO OUTPUT L R
- 8 COMPOSITE VIDEO OUTPUT
- 9 COMPOSITE VIDEO INPUT
- 10 RF OUTPUT
- 11 ANTENNA INPUT

Remote Control

THE INSTRUCTIONS BELOW DESCRIBE THE FUNCTIONS ON THE REMOTE CONTROL.

- | | |
|-----------------------|--------------------|
| 1. POWER | 18. NUMBER BUTTONS |
| 2. STEP | 19. OPEN/CLOSE |
| 3. SUBTITLE | 20. ANGLE |
| 4. SHUFFLE | 21. IP |
| 5. REPEAT | 22. ZOOM |
| 6. AUDIO | 23. AFF |
| 7. A-B REPEAT | 24. DISPLAY |
| 8. DVD | 25. REC |
| 9. VCR | 26. TITLE |
| 10. SETUP | 27. ENTER |
| 11. MENU | 28. STOP |
| 12. DIRECTION BUTTONS | 29. SKIP REVERSE |
| 13. PLAY/PAUSE | 30. SKIP FORWARD |
| 14. FAST FORWARD | 31. SPEED |
| 15. FAST REVERSE | 32. TV/VCR |
| 16. PROGRAM | 33. COUNTER/CLOCK |
| 17. SEARCH | 34. INPUT SEL. |
| | 35. CLEAR/RESET |



- **POWER** button on the remote control is for standby power.
- When "⊘" displayed on TV, function is not operational on the disc.

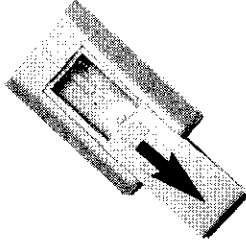
• **Child Lock!!!**

Press the POWER button of the remote control for about 8 seconds. No buttons of front panel and remote control can be operated now and Lock indicator "⊘" will be displayed on window display. To release child lock, press the POWER button of the remote control for about 8 seconds.

PREPARING THE REMOTE CONTROL

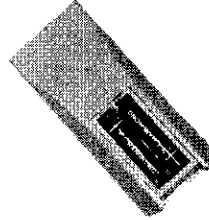
To operate the Combo Player, you must first place the batteries in the remote control.

1



Open the cover.

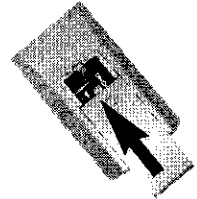
2



Insert batteries (AAA size).

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

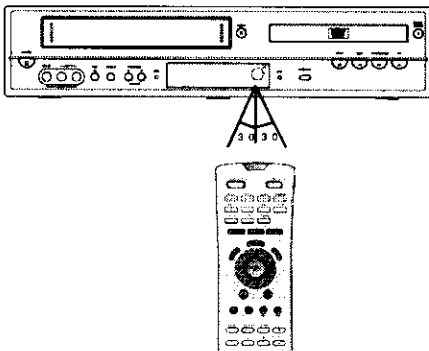
3



Close the cover.

OPERATING WITH THE REMOTE CONTROL

Operating player with the remote control.



The remote control must point at the remote sensor in order for the remote 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 control under intense light source such as direct sunlight.*

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 new with old 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.

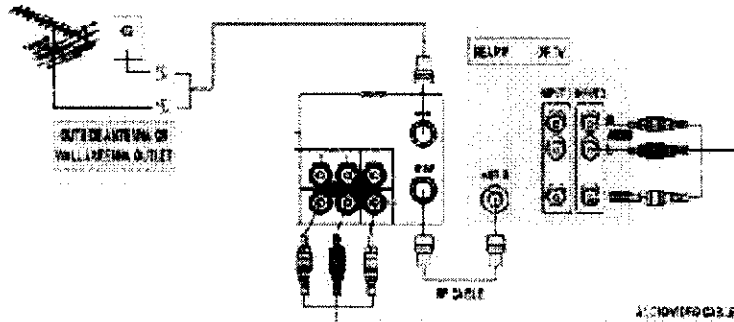
REMOTE CONTROL

- The remote control should be aimed directly towards the remote sensor of the Combo Player.

Connecting With TV

- In connecting RF cable to TV, set TV channel to CH3.

How to Connect with RF cable or AV cable

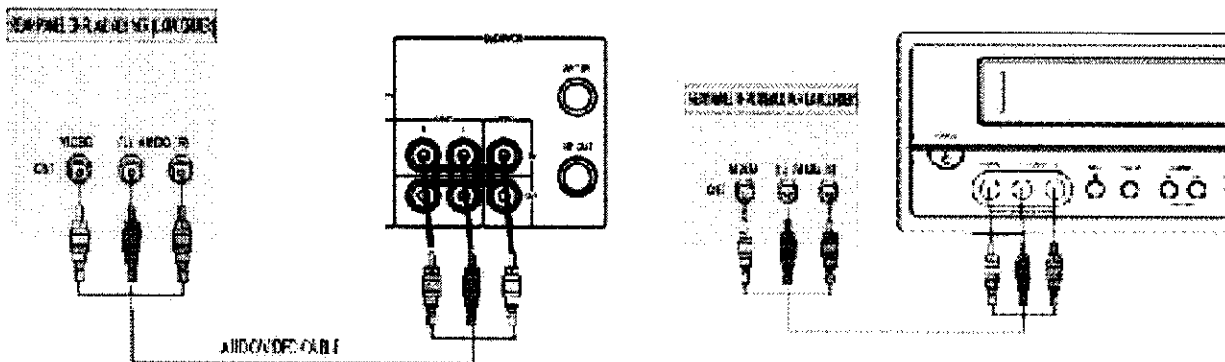


- 1 Connect antenna cable to the "ANT.IN" jack on rear panel of player.
- 2 Connect TV to the Combo Player by connecting the "RF OUT" jack with "ANT.IN" jack of the TV with RF cable.
- 3 Connect AV OUT jack on VCR&DVD PLAYER to AV IN jack of the TV with RCA cables.

- Connect with Audio/Video terminal, you can enjoy more clean video and audio.

Connecting With Optional Equipment

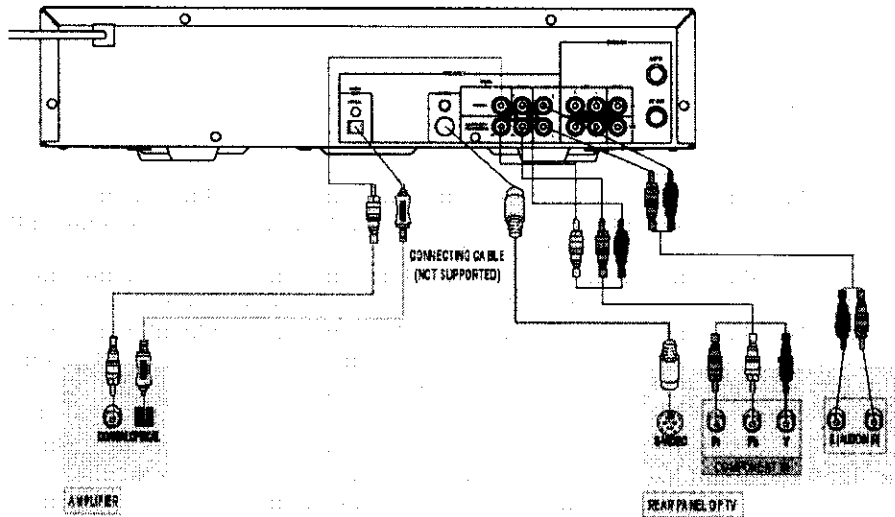
How to Connect



- 1 Connect AV OUT jack on camcorder (or playback video) to AV IN jack on rear panel (or front panel) of VCR&DVD PLAYER with RCA cables.

Connecting TV With S-VIDEO/Component Jack, AMP With Digital Audio Out jack

How to Connect(DVD only)



- 1 Connect S-VIDEO OUT or COMPONENT OUT to TV.
2. Connect analog AUDIO OUTPUT(L/R) jack to TV.
- 3 Connect COAXIAL or OPTICAL to AMP of Dolby Digital.

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 and Component Video input. Press I/P button on remote control unit to switch between Interlace & Progressive Scan mode.

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.

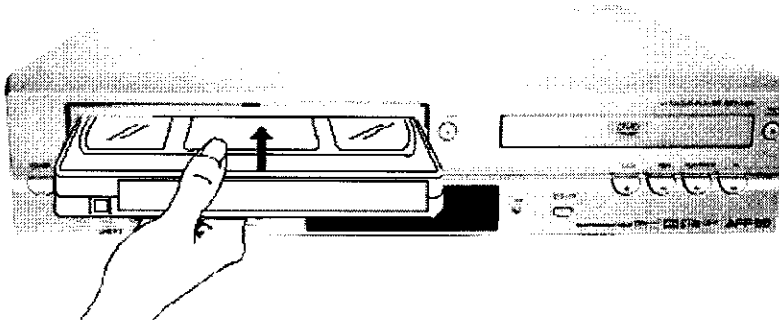
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"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

VCR Playback

- 1 Press **POWER** button to power on.
Press **VCR** button to change into VCR mode.
- 2 Insert the desired tape.



- 3 If you want to playback it, press **▶||** button.
When the playback picture is partially noisy, adjust with **TRACKING +/-** button.
NOTICE
• S-VHS Quasi Playback (SQPB): This unit allows you to view a tape recorded in S-VHS format. (Noise lines may appear on the picture.)
- 4 To stop it, press **■** button.

- For pause, press **▶||** button in playback mode.
- 5 To playback forward fast or to reverse it, press **▶▶** or **◀◀** button, respectively.
- Press **EJECT** button on the front panel or **OPEN/CLOSE** button on remote control to remove the tape.

Recording

To Record With VCR

- 1 Press **POWER** button to power on.
 - Press **VCR** button to change into VCR mode.
 - Power on TV and select Ch3, or select AV input.
- 2 Insert a tape for recording.
 - Insert a tape with recording tab.
- 3 With **CH+/-** and **NUMBER** button, select the desired broadcasting channel or external input unit to record.

- 4 Select the desired speed (SP or SLP) with **SPEED** button.
- 5 Press **REC** button.
- 6 press **▶||** button to pause recording, press again to resume.
 - If the pause status continues for five minutes, the recording will be cancelled automatically.
- 7 To stop recording, press **■** button.

To Enjoy DVD during recording

- If you want to playback DVD during recording with video, insert a DVD disc.
- Place the desired DVD disc on DVD tray, press **DVD** button

to switch into DVD mode and press **▶||** button. Then, you can watch DVD.

To Copy From DVD To Videotape

- Press **DVD** button to convert output into DVD mode.
- 1 Insert the desired DVD disc.
 - you can't copy a DVD disc with copy protect function.
 - 2 Insert a tape for recording.

- 3 Press **REC** button.
- 4 To stop copy, press **VCR** button and then press **■** button.
 - If not, DVD plays again and video continues to copy.

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 right 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.

Recording

(continued)

One Touch timer Recording(OTR)

One-Touch Recording(OTR) allows you to record in 30-minute increments up to 4 hours at the touch of a button.

1 Start Recording

Follow the instructions on "Recording".

2 Activate OTR

While in Record mode, press the **REC** button again to activate One-Touch Recording(OTR).

3 Add Recording Time

Continue pressing **REC** to add recording time in 30 minute increments up to 4 hours.

•The VCR&DVD PLAYER stops recording automatically when the time has elapsed.

4 Press **■** button more than 5 seconds to stop recording mode.

Search Function

Search Counter Zero

• Press **VCR** button to change into VCR mode.

1 Press the **SETUP** button on the remote control.

2. Press the **▼** button to select the "Search", and press **ENTER** button.

3. Press **ENTER** button at "Go To Zero Search" to start.

• AS soon as the counter searches 0:00:00 , the tape will play automatically.

Search Counter

•Press **VCR** button to change into VCR mode.

1 Press the **SETUP** button on the remote control.

2. Press the **▼** button to select the "Search", and press **ENTER** button.

3. Press the **▼** button to select the "Counter Search", and press **ENTER** button.

4. Enter the desired time and press **ENTER** button.

• The counter appears on screen and the LED.

Search Index Forward/backward

• Press **VCR** button to change into VCR mode.

1 Press the **SETUP** button on the remote control.

2. Press the **▼** button to select the "Search", and press **ENTER** button.

3. If your search is forward direction, highlight "Index Search(+)" Index searching motion, then press **ENTER** button.

4. If your search is backward direction, highlight "Index Search(-)" Index searching motion, then press **ENTER** button.

• The index signal is recorded on the tape automatically when the recording is started. You can view a recording at a specific start point.

Search Index Number

• Press **VCR** button to change into VCR mode

1 Press the **SETUP** button on the remote control.

2. Press the **▼** button to select the "Search", and press **ENTER** button.

3. Press the **▼** button to select the "Index Number Search ", and press **ENTER** button.

4. Index NUMBER setting method.

• If your search is forward direction, press up **▲** button to select desired Index Number.

• If your search is reverse direction, press down **▼** button to select desired Index Number.

5 After setting up , Please Press **ENTER** Button.

VCR Setting

Clock

• Press **VCR** button to change into **VCR Mode** and follow the procedures below.

1 Press the **SETUP** button on the remote control.

2 Press the **ENTER** button, while highlighting **CLOCK SET**.

3 Set the current date and time with **▲▼◀▶** button or

NUMBER button.

For **DATE SET**, follow the order of Month/Day/ Year ; for **TIME SET**, follow the order of Hour/Minute in **CLOCK SET** screen.

4 Press **SETUP** button after completed.

Program

1 In **VCR mode** press the **SETUP** button on the remote control .

2 Press the **▼** button to select the "Program Set" and press **ENTER** button.

3 Select "Channel"

• move into desired channel signal with up **▲** /down **▼** button channel signal change like the orders below.

cable → video 1 → video 2 → Antenna



4 Select "Start Date"

• Move into "Start Date" with **▶** button and then, select the desired number to record with up/down button or number button

5 Select "REC cycle".

• Move into "REC Cycle" with **▶** button and then, select the desired one with up/down button

• REC cycle changes like the orders.

One Time → weekly → weekdays → Daily



6 Select Start Time

• Move into "Start Time" with **▶** button and then, select the desired number to record with up/down button or number button.

7 Select End time

• Move into "End Time" with **▶** button and then, select the desired number to record with Up/down button or number button.

8 Select Tape Speed

• Move into "Tape Speed" with **▶** button and then, select the desired one with up/down button

• Recording speed changes like the orders below.

SP → SLP



• Press **SETUP** button to exit after completion.

• Press **NEXT** and **PREV** button to finish 8-event programming.

• Press the **POWER** button to activate timer recording.

Channel

• Only operating in stop mode.

• Press **VCR** button to change into **VCR mode** and follow the procedure below.

1 Press the **SETUP** button on the remote control.

2 Press the **▼** button to highlight and select (Enter) the "Channel Set".

3 Selecting cable or antenna viewing

• You must set the viewing mode for your VCR, choosing either **CABLE** (cable system connection) or **ANTENNA**(antenna connection). To set the viewing mode:

• Press **ENTER** to toggle between **CABLE** and **ANTENNA**.

4 SELECT "Manual Set"

Move into "Manual set" with **▼** button to select one of add and erase with **ENTER** button. Memorize channel and select the desired channel when **ENTER** button is pressed, "Erase" converts into "Add".

Press **NUMBER** button and **◀ / ▶** button of remote control to select the desired channel to memorize.

To check the memorized channels, press **CH+/-** button on remote control. To delete Channels Manually, when **ENTER** button is pressed, "Add" converts into "Erase". Press **NUMBER** button and **◀ / ▶** button on the remote control to select the desired channel to delete.

To check the deleted channels, press **CH+/-** button on remote control.

5 SELECT "Auto Preset"

• Press **▼** button in Channel Set to highlight "Auto Preset"

• Press **ENTER** button to detect the channel automatically.

On-Screen Menu Language

1 Press the **SETUP** button on the remote control. The initial **MENU** is displayed.

2. Press the **▼** button to select the "Language Select" and

press **ENTER** button

3 Select the language among English, Spanish and French.

VCR Setting

Setting The OSD Display

- Press **VCR** button to change into VCR mode
- 1 Press the **SETUP** button on the remote control.
- 2. Press the ▼ button to highlight and select the "Option", and press **ENTER** button.
- 3. Press **ENTER** button until the appropriate system is selected. ("On" or "Off")
- 4. Please press **SETUP** button to quit.

Auto Power Off

- Press **VCR** button to change into VCR mode
- 1 Press the **SETUP** button on the remote control.
- 2. Press the ▼ button to select the "Option", and press **ENTER** button.
- 3. Press the ▼ button to select the "Auto Power Off".
- 4. Press **ENTER** button, until the appropriate system is selected. ("Yes" or "No")
- 5. Press **SETUP** button to quit.

RF Out

- Press **VCR** button to change into VCR mode
- 1. Press the **SETUP** button on the remote control.
- 2. Press the ▼ button to select the "Option", and press **ENTER** button.
- 3. Press the ▼ button to select the "Output Channel".
- 4. Press **ENTER** button, until the appropriate system is selected. ("CH3" or "CH4")
- 5. Press **SETUP** button to quit.

Auto Repeat

Important notes regarding this function

1. AUTO REPEAT will replay a tape after it ends. The machine will rewind the tape and replay the material automatically.
2. AUTO REPEAT can be turned off by either powering off or through the SETUP menu.
3. Buttons, such as **PLAY/PAUSE, STOP, FF, REW, EJECT** will be disable while in AUTO REPEAT mode. You will still have the option to switch between DVD and VCR function, however it will not reset the AUTO REPEAT function of the VCR.

How to set up this function

- 1 Press the **SETUP** button on the remote control to activate the main menu, while in play.
- 2 Press the ▼ button to highlight "Option". Press the **ENTER** button to access the **OPTION** menu.
- 3 Press the ▼ button to highlight "Auto Repeat". Press the **ENTER** button to toggle between "On" and "Off".
- 4 Press **SETUP** button to quit.

Tape Select

- Press **VCR** button to change into VCR mode
- 1 Press the **SETUP** button on the remote control.
- 2. Press the ▼ button to select the "Option", and press **ENTER** button.
- 3. Press the ▼ button to select the "Tape Select".
- 4. Press **ENTER** button, until the appropriate system is selected.
- 5. Please press **SETUP** button to quit.

Tape Handling

1. Do not use any tape below. Damage of video head or cut/coiling of tape may cause failure.
 - Tape with mold
 - Tape stained with juice or attachments
 - Tape having breakage connection
 - Disassembled tape
2. Moisture condensation may occur in tape. Moisture condensation damages the tape. Please use the tape after the moisture condensation is disappeared.
3. After use, store tape vertically in a case to prevent loose.
4. Do not store in the following places.
 - High temperature and humidity
 - subject generation of mold
 - Subject to direct sunlight
 - Much dirt or dust
 - Near strong magnetic materials such as speaker

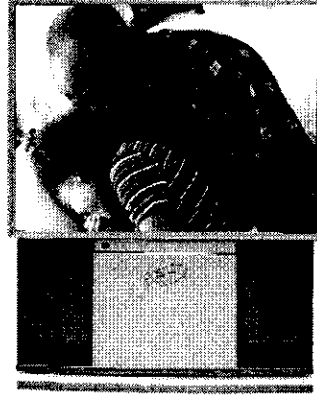
AFF Function

WHAT IS AFF?

AFF stands for Active Full-screen Function. It allows you to fill the television screen viewing area when using a wide screen formatted DVD. Press the AFF button on your remote control, this will eliminate black bars on the top & bottom of the TV screen when viewing movies with an aspect ratio of 1.85:1 and minimize (but not eliminate) black bars on movies with a wider aspect ratio (2.35:1).



Before AFF



After AFF

Playing Back a Disc

HOW TO PLAYBACK A DISC.

Basic Playback

How to playback DVD video discs.

- Turn on the TV and select the video input source which is connected to the Combo Player.

- 1. Press the POWER button on the front panel. Press DVD button of remote control to change into DVD mode.**
- 2. Press the OPEN/CLOSE button.**

This will open the disc tray.

- 3. Place the disc on the disc tray.**



Be sure the playback side is faced down.

- 4. Press the ►| button.**

After closing the disc tray, playback will start.



- A disc may be damaged if not correctly placed on the guides in the disc tray. This may also cause the Combo Player to malfunction.



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



- Moving the Combo Player during playback may cause damage to the disc as well as the player.
- To open and close the disc tray, you should only use the OPEN/CLOSE button on the remote control or Combo Player.

FOR A HIGHER QUALITY PICTURE

The DVD discs produce a high resolution picture with abundance of information. This may cause some picture noise on the TV during playback. The noise will vary depending on the TV used with the Combo Player. To control picture noise reduce the sharpness adjustment on your TV when viewing DVD discs.

ABOUT DVD, CD

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

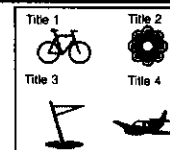
DVD: DVD video discs

CD: Audio CDs

HOW TO START PLAYBACK FROM THE MENU SCREEN

1. Press $\wedge/\vee/\lt;/\gt$ or the number buttons to select the title.
2. Press the ENTER button.

The Combo Player will start playback from the title selected.



HOW TO PAUSE PLAYBACK (STILL PLAYBACK)

Press the || during playback.

Press the || button to resume normal playback.

HOW TO REMOVE THE DISC

Press the OPEN/CLOSE button.

Wait until the disc tray is completely open before removing any discs.

After removing the discs, press the OPEN/CLOSE button to close the disc tray.

HOW TO STOP PLAYBACK

Press the STOP button once.

The Combo Player is stopped.

Press the || button to replay.

Press the STOP button twice.

The Combo Player is stopped completely.

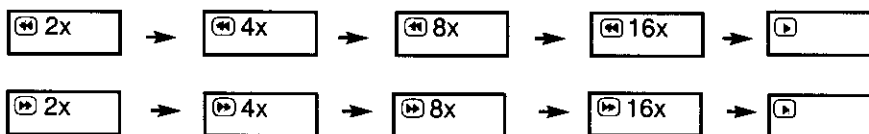


At the completion of each movie a menu screen will appear. Be aware that the on-screen setup menu may damage your TV by permanently burning that image onto the screen. To avoid this, press the STOP button at the completion of each movie. You may also decide to setup the SCREEN SAVER.

ADVANCED PLAYBACK

The Combo Player allows you to playback discs at various speeds.

TV SCREEN



PLAYING AT 2X, 4X, 8X, OR 16X THE NORMAL SPEED

You can play back a disc at 2x, 4x, 8x, or 16x the normal speed.

Press the REW or FF button during playback.

The playback speed becomes 2x the normal speed.

The playback speed changes each time you press the REW or FF button.

REW: Fast reverse \lll

FF: Fast forward \ggg

Press || to resume normal playback.



- The Combo Player may not playback sound during scan reverse or forward playback of DVD video discs. The Combo 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 2x, 4x, 8x, and 16x speeds are only approximate speeds.

PLAYING IN SLOW-MOTION

A disc can be played back in slow-motion.

Press the **▶▶** or **◀◀** button during pause.

Press **▶||** button to resume normal playback.

NOTICE

- During the slow-motion playback, the sound may not be heard.
- Some discs do not utilize this feature.

RESUMING PLAYBACK FROM THE SAME LOCATION

This Combo Player allows you to stop playback and continue playback later from the same location on the disc.

1. Press the STOP button

This will interrupt the playback and the Combo Player will memorizes the location where you stopped playback.

2. Press the ▶|| button

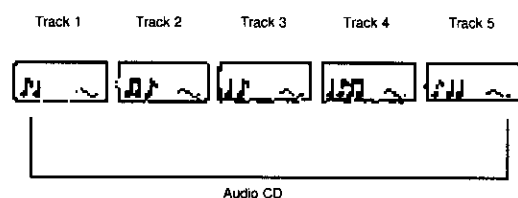
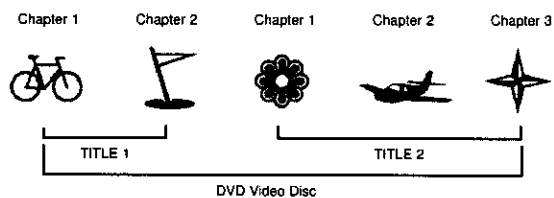
The Combo Player will resume the playback from the location where you stopped playback.

NOTICE

- The following action will cancel the RESUME function:
 - Powering off the Combo Player after you stop playback.
 - Ejecting the disc.
- Depending on the disc, you may experience a difference of location where playback resumes.
- Some discs do not utilize this feature.

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 MP3 CD ARE DIVIDED INTO TRACKS. YOU CAN CONVENIENTLY LOCATE ANY SPECIFIC TITLE, CHAPTER, OR TRACK WITH THIS COMBO 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

You can also directly locate a specific title by pressing its assigned number with the number buttons.

3. Press the ENTER button

This will cause the Combo 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. Procedures may vary depending on the contents of the DVD video disc.

Locating a Specific Title, Chapter or Track

Continued

LOCATING A SPECIFIC CHAPTER OR TRACK

This Combo Player allows you to locate consecutive chapters or tracks.

Press the SKIP \lll or \ggg button repeatedly to display the requested chapter or track

The Combo Player starts playback from the selected chapter or track.

How to locate preceding chapters or tracks

• When you press the SKIP \lll button, the Combo Player starts playback from the beginning of the preceding chapter or track.

How to locate succeeding chapters or tracks

• When you press the SKIP \ggg button, the Combo Player starts playback from the beginning of the succeeding chapter or track.

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

LOCATING A TITLE

You also can locate a specific title by directly selecting a title number.

1. Press SEARCH button during playback.

The menu will appear.

2. Press direction buttons and numbers to select the title and chapter you want.

3. Move the cursor to select Audio, Subtitle, Angle, TT Time, CH Time, Repeat, Time Disp..



NOTICE

- The displays may vary depending on the discs.
- You may experience a difference in TITLE or MENU display.

Using the On-Screen Display

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

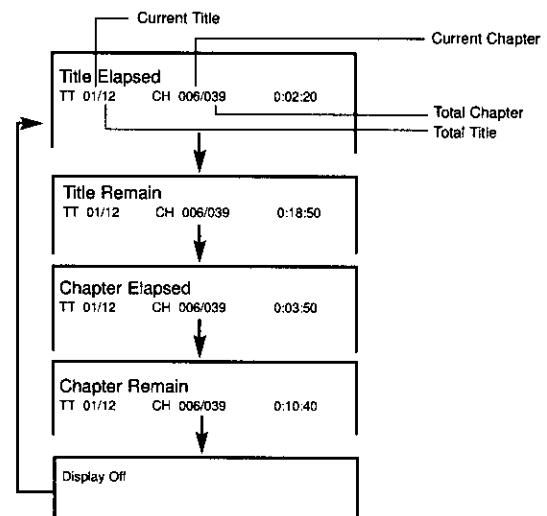
CHECKING THE OPERATIONAL STATUS

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

- Current title
- Track number
- Total playing time

TO TURN OFF THE ON-SCREEN DISPLAY
Press DISPLAY repeatedly until DISPLAY OFF appears on TV screen.

Press DISPLAY during playback



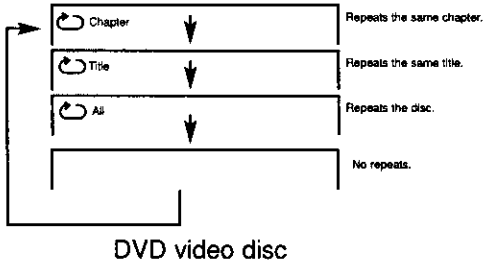
Playing Repeatedly

THIS Combo 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.



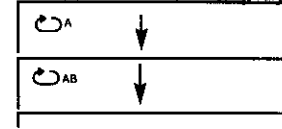
HOW TO REPEAT A SPECIFIC SEGMENT

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

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

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

The Combo Player will resume to normal playback.



- Depending on the disc, you may experience a difference between point A and the location where playback actually resumes.
- Be aware that some discs will not respond to the A-B repeat function.

Playing in Random Order

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

PLAYING TITLES IN RANDOM ORDER

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

1. Press the SHUFFLE button .

The Combo Player will now start random playback.

2. TO RESUME NORMAL PLAYBACK.

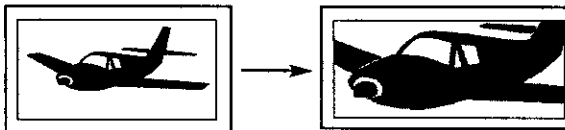
Press the SHUFFLE button again during random playback.

- The Combo Player will go to another chapter or track and start playback if you press the SKIP ►► button during random playback.

Zooming a Picture On DVD

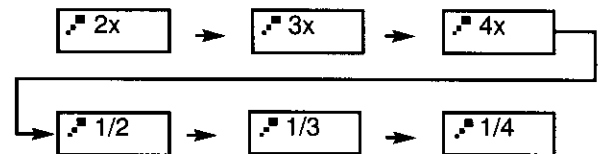
ZOOMING A PICTURE

This Combo Player allows you to zoom into a picture as well as shift the zoom point.



Press ZOOM during playback.

The Combo Player magnifies in the center of the picture.



If you press $\wedge/\vee/\langle/\rangle$ during zoom playback, the zoom point shift.

TO RESUME NORMAL PLAYBACK.

Press ZOOM repeatedly during zoom playback, till the player resumes normal playback.

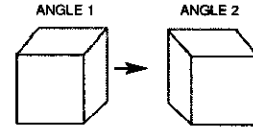
Selecting The Camera Angles/ Language / Audio Settings

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

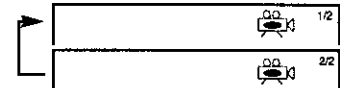
HOW TO CHANGE THE CAMERA ANGLE

Press the ANGLE button while playing back a scene recorded with multiple angles.

Each time you press the ANGLE button, the angle will change.



Selecting the camera angle



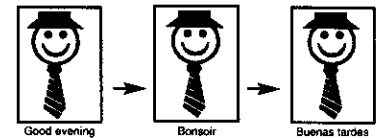
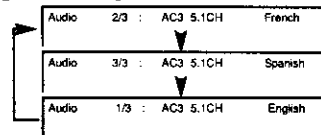
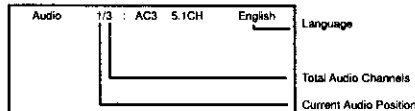
NOTICE

- The angle function will not work on DVD video discs that do not contain recorded multiple angles.
- The angle icon indicator will illuminate while playing back a title that contains at least one scene recorded with multiple angles.

HOW TO SELECT A PLAYBACK AUDIO SETTING

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

1. Press the AUDIO button during playback.
2. Press the AUDIO button again to cycle backwards.



Selecting a language

NOTICE

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

Selecting Subtitles

THIS COMBO PLAYER ALLOWS YOU TO DISPLAY THE SUBTITLES FROM THOSE INCLUDED ON THE DISC, ON TO YOUR TV SCREEN.

HOW TO DISPLAY SUBTITLES

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

Press the SUB-T button during playback.

Subtitle ↓ 01/02 : English

Subtitle ↓ 02/02 : French

Subtitle Off

To TURN OFF the subtitles.

Press the SUB-T during playback until SUBTITLE OFF appears.

Subtitle Off

NOTICE

- With some DVDs, 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

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. Insert a disc, then press the PROGRAM button.

At this time, the menu will appear.

Program: TT(XX) CH(XX)	
01 TT: CH:	06 TT: CH:
02 TT: CH:	07 TT: CH:
03 TT: CH:	08 TT: CH:
04 TT: CH:	09 TT: CH:
05 TT: CH:	10 TT: CH:
Exit	NEXT

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

Program: TT(XX) CH(XX)	
01 TT:05 CH:12	06 TT: CH:
02 TT:02 CH:07	07 TT: CH:
03 TT:04 CH:07	08 TT: CH:
04 TT: CH:	09 TT: CH:
05 TT: CH:	10 TT: CH:
Exit	Start NEXT

To clear the numbers that you have programmed in just now, press CLEAR button.

3. Select the START from the menu, then press the ENTER button.

The Combo Player starts memory playback.

To CHANGE the programmed item:
Press the STOP button, then follow step 1.

To CANCEL the programmed item:
Press the STOP button, then press the button.

- When the Combo Player is turned off, or if the disc is removed, the program item will be removed.
- Depending on the disc, the program playback may not function.

MP3 Operation

WHAT IS MP3?

MP3 refers to a format of music files available for playback over the internet because of the popularity to download music from MP3 websites on to ones computer. APEX DIGITAL is the first company to offer in a home combo player, the ability to playback CD-R discs recorded with MP3 audio files.

PLAYING A MP3 FORMAT

1. To play you must view through your television. Insert a MP3 CD, the Combo Player will initialize the disc when the tray is closed and the directory (folder) will be shown in a MP3 MENU on screen.
2. Press then the key to select and highlight a MP3 file (song). Press ENTER to play.



WMA Operation

WHAT IS WMA?

WMA refers to a new format of music files from Microsoft available for playback from WMA web sites. The compression used allows you to record from your computer up to 22 hours of music on CD-R and play back through your combo player. APEX Digital is the first company to offer this feature in a home combo player, the ability to play back CD-R discs recorded with WMA audio files.

PLAYING A WMA FORMAT

1. To play you must view through your television. Insert a WMA CD, the Combo Player will initialize the disc when the tray is closed and the directory (folder) will be shown in a WMA MENU on screen.

2. Then press </> then the \wedge/\vee key to select and highlight a WMA file (song).

Press ENTER to play.



Playing Back Your Kodak Picture CD



NORMAL

When a Kodak Picture CD is inserted, an automated slideshow is launched, each picture in the current directory will be displayed consecutively in a slideshow fashion and will be scaled to fit most of the TV screen. Fifteen slideshow transition modes are provided. Use "PROGRAM" key to select: **Customers can set "transition" effects for every picture at any time during the slideshow.**

NONE:(by default)

mode 1: WIPE TOP

mode 2: WIPE BOTTOM

mode 3: WIPE LEFT

mode 4: WIPE RIGHT

mode 5: DIAGONAL WIPE LEFT TOP

mode 6: DIAGONAL WIPE RIGHT TOP

mode 7: DIAGONAL WIPE LEFT BOTTOM

mode 8: DIAGONAL WIPE RIGHT BOTTOM

mode 9: EXTEND FROM CENTER H

mode 10: EXTEND FROM CENTER V

mode 11: COMPRESS TO CENTER H

mode 12: COMPRESS TO CENTER V

mode 13: WINDOW H

mode 14: WINDOW V

mode 15: WIPE FROM EDGE TO CENTER

RANDOM

To display an image indefinitely, press the \blacktriangleright key. To view the Next or Previous picture press the **SKIP FORWARD** or **SKIP REVERSE** key. To resume the slideshow press the \blacktriangleright key.

IMAGE ROTATION

There are four modes to rotate a picture: "Invert", "Mirror", "Left", and "Right". These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when a new picture is displayed. The direction buttons are used to select the different transformation modes:

Up \wedge -Invert/Normal

Left $<$ -Turn left

Down \vee -Mirror/Normal

Right $>$ -Turn right

REPEATING THE SLIDESHOW

At the end of your picture slideshow, each image is reduced to a "thumbnail" sized display.

Important: Let the player complete it's layout of twelve pictures before pressing **SKIP FORWARD** button again to view the next twelve.

MENU

The **MENU** key is used to display thumbnail pictures from the stop position. After it is enabled, up to twelve scaled-down thumbnail pictures will be display on the screen. The **SKIP FORWARD/REVERSE** keys can be used to display the **NEXT** and **PREVIOUS** twelve pictures in the current directory.

Playing With Your JPEG Files



PLAYING YOUR JPEG FILES

Normal Slide Show Presentation

When a JPEG disc is loaded into the player, a menu will appear on screen. Each picture in the current directory will be displayed consecutively in a slideshow presentation and will be seated to the most of your TV screen. Fifteen slideshow "transition" modes are provided. Use **PROGRAM** key to select.

NONE:(by default)

mode 1: WIPE TOP

mode 2: WIPE BOTTOM

mode 3: WIPE LEFT

mode 4: WIPE RIGHT

mode 5: DIAGONAL WIPE LEFT TOP

mode 6: DIAGONAL WIPE RIGHT TOP

mode 7: DIAGONAL WIPE LEFT BOTTOM

mode 8: DIAGONAL WIPE RIGHT BOTTOM

mode 9: EXTEND FROM CENTER H

mode 10: EXTEND FROM CENTER V

mode 11: COMPRESS TO CENTER H

mode 12: COMPRESS TO CENTER V

mode 13: WINDOW H

mode 14: WINDOW V

mode 15: WIPE FROM EDGE TO CENTER

RANDOM

IMAGE ROTATION

There are four modes to rotate a picture: **Invert**, **Mirror**, **Left**, and **Right**. These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when a new picture is displayed. The direction buttons are used to select the different rotation modes:

Up \wedge -Invert/Normal

Left $<$ -Turn left

Down \vee -Mirror/Normal

Right $>$ -Turn right

ZOOM

This features allows you to view a picture at 50%-200% in several increments. Press the **ZOOM** button. An on screen message ("**Zoom 100%**") will verify your selection. Use \blacktriangleright and \blacktriangleleft keys to control the zoom level. Press the direction keys to move the picture in any direction. .

Note: When in the ZOOM mode, the slideshow transition and image transformation features are disabled.

Memo On Output Sounds

DISCS AND OUTPUT SOUNDS

Sound recording system	DVD Video Discs											CD		MP3 CD	
	Dolby Digital			MPEG 2			Linear PCM					PCM44.1kHz		MP3	
	SPDIF /RAW	SPDIF /PCM	ANALOG	SPDIF /RAW	SPDIF /PCM	ANALOG	48kHz		96kHz			SPDIF /RAW	ANALOG	SPDIF /RAW	ANALOG
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	SPDIF /RAW	ANALOG
ANALOG AUDIO OUT jacks	—	—	o	—	—	o	—	o	—	—	o	—	o	—	o
DIGITAL AUDIO OUT jack	Dolby Digital bitstream	PCM (48kHz)	—	MPEG 2 bitstream	PCM (48kHz)	—	PCM (48kHz)	—	PCM (48kHz)	—	—	PCM (44.1kHz)	—	PCM (44.1kHz)	—

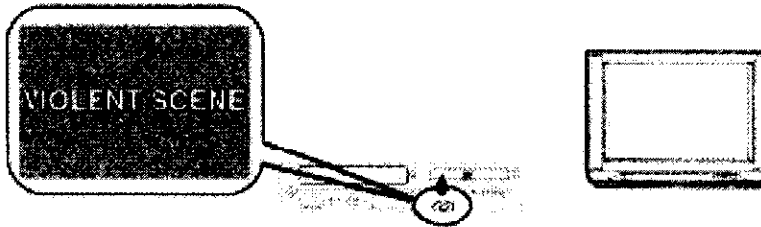
MPEG 1 AUDIO LAYER 3 DISC (MP3)

MP3 Audio Disc Play Back Capable

MP3 audio disc can be played back by operating the unit in the same way as the audio CD.

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

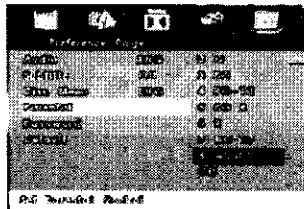
DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allows, you can edit out violent scenes unsuitable for children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

1. Press **STOP** twice during playback.
2. Press **SETUP**

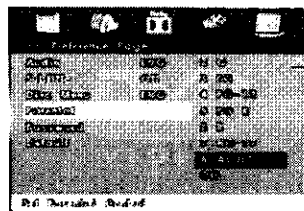
The **SETUP** MENU appears on the TV screen.



3. Select **Preference Page**, press **ENTER**.

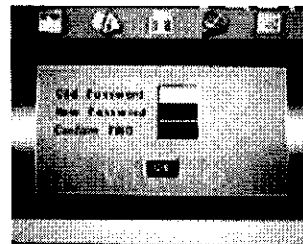


4. Select **PARENTAL**, press direction buttons. Select **Parental**, press **ENTER**.
5. Enter your password then press **ENTER**.
*The preset password is **3303***



TO CHANGE YOUR PASSWORD:

1. Follow step 3 to select password, select **Change**.
2. Enter old password.
3. Enter new password.
4. Re-enter to confirm your new password.
5. Press **ENTER**.
6. Press **SETUP**.



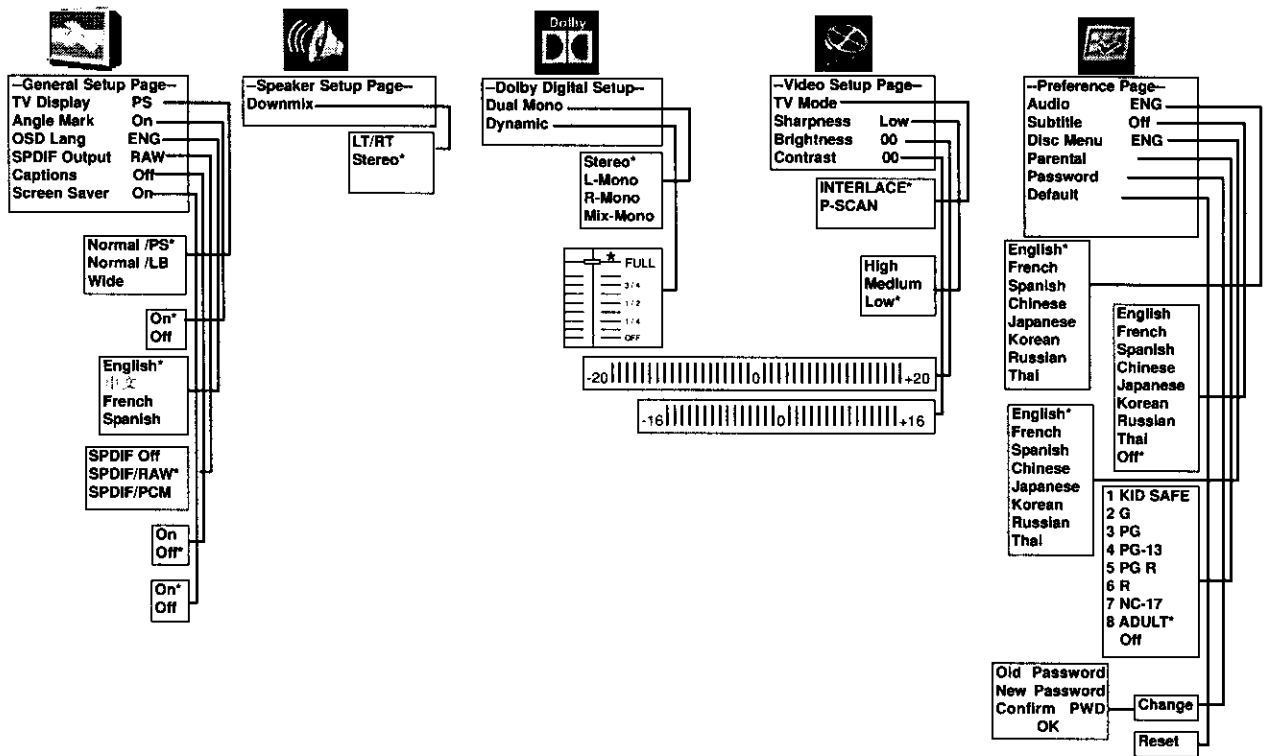
Customizing the Function Settings

THIS COMBO PLAYER ALLOWS YOU TO CUSTOMIZE THE PERFORMANCE TO YOUR PERSONAL PREFERENCE.

DISPLAYING THE SETUP MENU SCREEN

The SETUP MENU screen asks you to select a setting category from General Setup, Speaker Setup, Dolby Digital Setup, Video Setup and Preferences. The selected category will provide you the setting details on-screen.

1. Press **SETUP**.
2. Press **^/V/</>** to select category (highlight), then press **ENTER**.
3. Press **SETUP** to normal playback.



NOTICE

- Preset password is **3308**.
- The SETUP MENU screen disappears if you press the SETUP button while it is displayed.
- Any button can disable Screen Saver except the POWER button. After that, you can press some button to make the relative operation.
- Functions and menu are subject to change without notice.
- You must remove any/all disc from the player in order to access **Preference Page**.
- * Factory defaults

Troubleshooting Guide

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

SYMPTOMS AND CORRECTION

D V D	No power	<ul style="list-style-type: none"> • Connect the power plug into the wall outlet securely. • Check if the child lock is released. 	
	The player does not respond to the remote control.	<ul style="list-style-type: none"> • Check if the power plug is connected to an AC outlet. • Check the batteries in the remote control. • Aim the remote control directly at the remote sensor. If necessary, remove all the obstacles between the sensor and the remote. • You have to be within 7m of the player. 	
	V C R	No picture	<ul style="list-style-type: none"> • Verify the connection from the video output of the player to the TV video input. Then switch TV to appropriate mode. • Connect the video cable into the jacks securely. Refer to your television owners manual.
		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.
		LED no playtime display	<ul style="list-style-type: none"> • Check if the player is in VCR mode or DVD mode. • Check if the player is in counter status. Press the COUNTER/CLOCK button to switch.
V C R	Timer recording failure	<ul style="list-style-type: none"> • make sure the timer recording is set correctly. • Make sure power is off. • Make sure the DVD/VCR clock is set correctly. 	
	Cannot go into Record mode.	<ul style="list-style-type: none"> • Make sure the tape has a safety tab. If needed, cover the hole with cellophane tape. 	
	Playback picture is partially noisy	<ul style="list-style-type: none"> • Adjust tracking control for a better picture by pressing the TRACKING +/- button. 	
	Cannot view a tape but the audio is OK.	<ul style="list-style-type: none"> • Head cleaning may be necessary. 	
	No or poor playback picture	<ul style="list-style-type: none"> • Select channel 3 or 4 on your TV. • Fine tune your TV. 	
	TV programs cannot be seen normally.	<ul style="list-style-type: none"> • Check the ANT.IN and RF OUT connections. • Press the VCR button on the remote control. 	
	Video or color fades in and out when making a copy of a video tape.	<ul style="list-style-type: none"> • You cannot copy a copyrighted video tape. You are experiencing copy guard protection. 	
	Cannot remove the tape	<ul style="list-style-type: none"> • Check if the player is in the VCR mode. If not, press the VCR button to switch the mode. 	
D V D	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 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. 	
	The Combo 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"> • Return disc as the software edition used may not be compatible with the player. Check web site for instruction. 	

Specifications

Power supply	120V~ 60 Hz
Power consumption	25W
Weight (Approx.)	5.4 kg
External dimensions	430 x 99 x 365 mm (W/H/D)
Signal system	NTSC
Operative temperature	-5°C~35°C
Installation condition	Horizontal/Relative humidity under 80%
Received channels	VHF:2-13 CH / UHF:14-69 CH/Cable:1-125
RF Input/output	U/V-mixed:75 Ω unbalanced
Video input	1.0 V (p-p), 75 Ω unbalanced RCA JACK
Audio input	-8.8 dBm,RCA JACK
RF output	3 or 4 CH
Video output	1.0 V (p-p), 75 ohms RCA JACK
S video output	(Y) 1.0 V (p-p), 75 ohms negative sync., Mini DIN 4-pin x 1 (C) 0.286 V (p-p), 75 ohms
Component video output	(Y)1.0V (p-p), 75 ohms (Pb)0.7V (p-p), 75 ohms (Pr)0.7V (p-p), 75 ohms
Audio output(DVD analog audio)	1.8±0.2V(p-p)(rms),10k ohms, pin jack(L,R)x 1
Audio output(VCR analog audio)	-8.8 dBm,RCA JACK
Playable tape	Very high dense tapes with VHS marks
Tape speed	SP:33.35mm/s, SLP:11.12mm/s
Playtime	SP:2hrs, SLP:6hrs(use of T-120 tape)
Clock display	12 hrs AM/PM
FF/REW time(VCR)	<220seconds (T-120 tape)

Limited Warranty



PLAYERS

90 DAYS LABOR

ONE YEAR REPLACEMENT OF PARTS

WHO IS COVERED?

Proof of purchase is required to receive warranty service such as the original sales receipt showing original date of purchase from an authorized APEX Digital, Inc. dealer in N. America. Keep your original box and packaging in case your unit needs to be shipped to us. You will need to prepay shipping and APEX will pay the cost of shipping the unit back to you.

WHAT IS COVERED?

Warranty repair from the original date of purchase: One (1) year replacement of parts; 90 days limited labor warranty coverage.

If you don't have proof of purchase, your unit will be considered out-of-warranty & will be charged at a flat labor rate.

WHAT IS EXCLUDED?

Your warranty does not cover:

- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Apex Digital, Inc.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Incidental or consequential damages resulting from the product. (Some states do not allow the incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not.)
- Shipment to the authorized repair facility for warranty repair.

BEFORE REQUESTING SERVICE:

Check your owner's manual under "Troubleshooting Guide" and visit our website www.apexdigitalinc.com for the latest updates under FAQ.

ORDERING ACCESSORIES:

You may purchase a remote control (\$23 U.S.), owners manual (\$10), and/ or firmware upgrade, if applicable to your player (\$10). Specify model number, name & address with a cashiers check made out to Apex Digital.

MODEL # _____ SERIAL # _____

WHERE IS SERVICE AVAILABLE.

Please contact
customer service: APEX DIGITAL, INC.
2235 E. Francis St., Ontario, CA91761
(909) 930-1239 Monday-Friday 8:30am-5:00pm (California)

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

