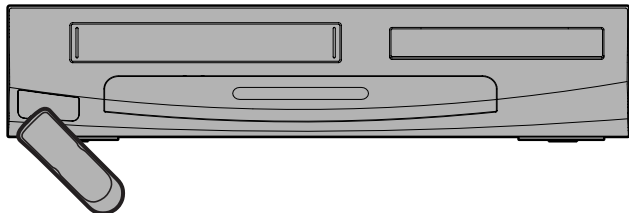# Owner's Manual

Please read before using this unit.

SYLVANIA

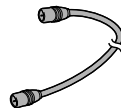## DVD/CD Player with Video Cassette Recorder
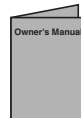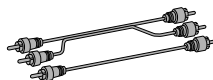
DVC865F

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

Supplied Accessory

- Remote control (NB177UD) with two AA batteries
- RF cable (WPZ0901TM002)
- Audio/Video cables (WPZ0102TM015 or WPZ0102LTE01)
- Owner's Manual (1VMN20415)

Owner's Manual

Table of Contents

(Side tabs: Precautions / Setup / VCR Functions / DVD Functions / Information / Español)

Basic TV Connection

Cable TV signal — Antenna or
1 Disconnect
75Ω ANT/CABLE
(Back of TV)

2 Connect
ANT-IN
(Back of DVD/VCR)

3 Connect
ANT-OUT
RF cable (supplied)

75Ω ANT/CABLE
(Back of TV)

4 Plug in
AC outlets
From DVD/VCR
From TV

5 Please refer to "Connections" on page 6.

Precautions

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

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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.

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

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

Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

FCC WARNING- **This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.**

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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

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

A NOTE ABOUT RECYCLING
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Make your contribution to the environment!!!
• Used up batteries do not belong in the dust bin.
• You can dispose of them at a collection point for used up batteries or special waste. Contact your council for details.

For Customer Use:
Read carefully the information located at the back of this unit and enter below the Serial No. Retain this information for future reference.

Model No. _____

Serial No. _____
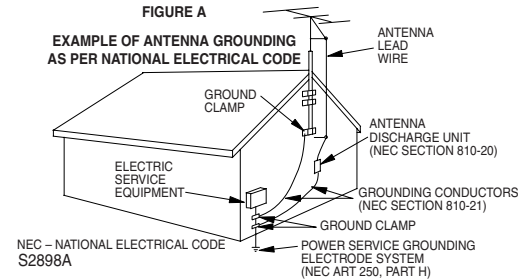
IMPORTANT SAFEGUARDS

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions- The safety and operating instructions should be retained for future reference.

3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions - All operating and use instructions should be followed.

5. Cleaning - Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.

6. Attachments - Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

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

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

PORTABLE CART WARNING
(Symbol provided by RETAC)

S3125A

9. Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video 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 video product on a bed, sofa, rug, or other similar surface. This video 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.

10. Power Sources - This video 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 appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

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

12. 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 appliance.

13. Outdoor Antenna Grounding - If an outside antenna or cable system is connected to the video 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 No. 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 of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)

FIGURE A

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

ANTENNA LEAD WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

ELECTRIC SERVICE EQUIPMENT

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMP

NEC – NATIONAL ELECTRICAL CODE
S2898A

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

14. Lightning - For added protection for this video 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 video product due to lightning and power-line surges.

15. 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.

16. Overloading - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

17. Object and Liquid Entry - Never push objects of any kind into this video product through any 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 video product.

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

19. Damage Requiring Service - Unplug this video 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 video product.

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

d. If the video 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 video product to its normal operation.

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

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

20. 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.

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

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

Installation Location

For safety and optimum performance of this unit:
• Do not stand the unit up vertically. Install the unit in a horizontal and stable position. Do not place anything directly on top of the unit. Do not place the unit directly on top of the TV.
• Shield it from direct sunlight and keep it away from sources of intense heat. Avoid dusty or humid places. Avoid places with insufficient ventilation for proper heat dissipation. Do not block the ventilation holes on the sides of the unit. Avoid locations subject to strong vibration or strong magnetic fields.
• Be sure to remove a disc and unplug the AC power cord from the output before carrying the unit.

Avoid the Hazards of Electrical Shock and Fire

• Do not handle the power cord with wet hands.
• Do not pull on the power cord when disconnecting it from AC wall outlet. Grasp it by the plug.
• If, by accident, water is spilled on this unit, unplug the power cord immediately and take the unit to our Authorized Service Center for servicing.
• Do not put your fingers or objects into the unit cassette holder.

Moisture Condensation Warning

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. Do not use this unit at least for 2 hours until its inside gets dry.

About Copyright

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.
This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Notice for Progressive Scan Outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of picture problems with 525 progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this 525p DVD player, please contact our customer service center.

Symbols Used in This Manual

The following symbols appear in some headings in this manual.

🔲**VCR** : Description refers to playback or recording of video cassette tapes.

💿**DVD-V** : Description refers to playback of DVD-Video discs.

💿**CD** : Description refers to playback of Audio CDs.

💿**MP3** : Description refers to playback of MP3 files.

Maintenance

SERVICING
• Please refer to relevant topics on the "Troubleshooting Guide" on page 23 before returning the product.
• If this unit becomes inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power plug, and please call our help line mentioned on the front page to locate an Authorized Service Center.

CLEANING THE CABINET
• Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasive.

CLEANING DISCS
• When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
• Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analog records.

CLEANING THE DISC LENS
• If this unit still does not perform properly although you refer to the relevant sections and to "Troubleshooting Guide" in this Owner's Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

DISC HANDLING
• When you handle a disc, hold it by its edge and try not to touch the surface of the disc.
• Always store the disc in its protective case when it is not used.

AUTO HEAD CLEANING
• Automatically cleans video heads as you insert or remove a cassette, so you can see a clear picture.
• Playback picture may become blurred or interrupted while the TV program reception is clear. Dirt accumulated on the video heads after a long period of use, or the usage of rental or worn tapes can cause this problem. If a streaky or snowy picture appears during playback, the video heads in your unit may need to be cleaned.

1. Please visit your local Audio/Video store and purchase a good quality VHS Video Head Cleaner.
2. If a Video Head Cleaner does not solve the problem, please call our help line mentioned on the front page to locate an Authorized Service Center.

Hint
• Remember to read the instructions along with the video head cleaner before use.
• Clean video heads only when problems occur.

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

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

About the Video Cassettes and Discs

Playable Video Cassettes

Use only cassettes marked **VHS** with this unit.

Playable Discs

Playable discs	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-Video * 1, 2, 4, 6	DVD VIDEO DVD VIDEO	🌐 or 🌐	Digital video (MPEG2)	12 cm or 8cm	**Example** Title 1 / Title 2 — Chapter 1, Chapter 2, Chapter 3, Chapter 4 / Chapter 1, Chapter 2
DVD-RW DVD-R * 1, 3, 4, 5, 6, 7, 9, 10	DVD RW DVD RW DVD R DVD R	-			
DVD+RW DVD+R * 1, 3, 4, 5, 6, 8	RW DVD+ReWritable RW DVD+R	-			
Audio CD * 4, 6	COMPACT DISC DIGITAL AUDIO	-	Digital audio	12 cm or 8cm	Audio CD **Example** Track 1, Track 2, Track 3, Track 4, Track 5, Track 6
CD-RW CD-R * 4, 5, 6 9, 10	COMPACT DISC DIGITAL AUDIO (ReWritable) COMPACT DISC DIGITAL AUDIO (Recordable) COMPACT DISC (ReWritable) COMPACT DISC (Recordable)	-	Digital audio or MP3		MP3 **Example** Group 1 / Group 2 — Track 1, Track 2, Track 3, Track 4 / Track 5, Track 6

DVD is a trademark of DVD Format/Logo Licensing Corporation.

If you cannot play back a disc which bears one of the marks above, check the following notes.
*1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
*2: Certain DVD-Video discs do not operate as described in this manual due to the intentions of the disc's producers.
*3: Discs recorded in the VR (Video Recording) format cannot be played back.
*4: Scratched or stained discs may not be played back.
*5: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*6: You can play back discs which bear the marks above. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
*7: You may play back the unfinalized DVD-R/RW disc recorded in the video format on our brand's DVD recorder. However, depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.). In this case, you need to finalize the disc with the DVD recorder. Refer to the manual accompanying the DVD recorder.
*8: Only the discs recorded in the video format and finalized can be played back.
Unfinalized discs cannot be played back. Depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.).
*9: If there is too much recording space left on a disc (the used portion is less than 55 mm across), it may not play back properly.
*10: Do not glue paper or put stickers on to the disc. These may damage the disc, and the unit may not read it correctly.

Unplayable Discs

● **NEVER play back the following discs. Otherwise, malfunction may result!**
DVD-RAM / CD-I / Photo CD / Video CD / DVD with region codes other than 1 or ALL /
DTS-CD / DVD-ROM for personal computers / CD-ROM for personal computers

● **On the following disc, the sound MAY NOT be heard.**
Super Audio CD
NOTE: Only the sound recorded on the normal CD layer can be delivered.
The sound recorded on the high density Super Audio CD layer cannot be delivered.
● *Any other discs without compatibility indications.*

Setup

Setup

Connections

Please refer to "Basic TV Connection" on the front page before you use this unit.

RF Output Channel

If channel 3 is already occupied for broadcasting,
1) Set your TV to channel 4.
2) Insert a pre-recorded tape into this unit.
3) Hit **[OUTPUT]** on the unit so that the VCR OUTPUT light is lit.
- If "VCR" light does not appear on the display of this unit, hit **[VCR/TV]** on the remote control.
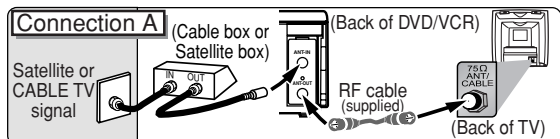4) Hit **[PLAY ▶]** once.

5) **After a few seconds, hit [PLAY ▶] on the unit for 3 seconds.**
- **The RF output channel will change to channel 4 from channel 3 and you will see a playback picture. In this case, "ch04" will appears on the front panel.**
- **When a picture does not appear on the TV screen, repeat step 4).**
6) Hit **[STOP ■]** to stop playback.

Hint

- The RF output channel may not change when you adjust tracking during playback. In this case, stop the playback, and start the playback again. After that, hit **[PLAY ▶]** on the unit for 3 seconds again.

Hint for Cable Box or Satellite Box

Connection A (Cable box or Satellite box) (Back of DVD/VCR)

Satellite or CABLE TV signal — RF cable (supplied) (Back of TV)

Select this connection when you want to view or record a scrambled channel. With this connection, channels cannot be changed on the unit. You can view or record ONLY the channels you have selected on the cable box or the satellite box.
- While you are recording, only the recorded channel can be viewed.

To select channels of the cable box or satellite box
1) Turn on the unit by hitting **[POWER]**, then hit **[VCR/TV]**. The "POWER" and "VCR" lights on the front panel will appear, then press **[SKIP/CH. ▶▶/▲ ◀◀/▼]** to select channel 3 or 4 (the same channel as the output channel of the cable box or satellite box).
   - If you use the channel 4, you need to change the unit's RF output to channel 4. Refer to "RF Output Channel".
2) At the TV, select channel 3 or 4 (the same channel as you have selected at step 1).
3) On the cable box or satellite box, select the channel you want to view or record.

Connection to an Audio System

Method 1

Stereo system

AUDIO

Analog audio input jacks

Audio cable (supplied)

DVD/VCR

(Analog) AUDIO OUT

or

(DVD mode only)

	Setting SETUP > AUDIO menu >
Connection	DOLBY DIGITAL
Connecting to Stereo System.	PCM

* To complete these settings, refer to pages 20-21.
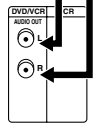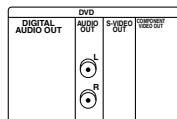
Method 2 Digital audio input jack

Dolby Digital decoder, MD deck or DAT deck

COAXIAL

Audio Coaxial Digital cable (commercially available)

DIGITAL AUDIO OUT

	Setting SETUP > AUDIO menu >
Connection	DOLBY DIGITAL
Connecting to a Dolby Digital decoder for Dolby Digital audio output.	BITSTREAM
Connecting to the other equipment (an MD deck or DAT deck etc.) without Dolby Digital decoder.	PCM

* To complete these settings, refer to pages 20-21.

Hint

- The audio source on a disc in a Dolby Digital 5.1 channel surround format cannot be recorded as digital sound by an MD or DAT deck.
- By hooking this unit up to a Multi-channel Dolby Digital decoder, you can enjoy high-quality Dolby Digital 5.1 channel surround sound as heard in the movie theaters.
- Playing a DVD using incorrect settings may generate noise distortion and may also damage the speakers.

EN

Setup

Connection to a TV

	Method 1	Method 2	Method 3
Basic Audio	**Good picture**	**Better picture**	**Best picture**

TV

AUDIO IN
L R

Audio cable
(supplied)

DVD/VCR

DVD/VCR   VCR
AUDIO OUT
L
R

or

DVD
DIGITAL
AUDIO OUT | AUDIO OUT | S-VIDEO OUT
L
R

**(Analog)
AUDIO OUT**

Method 1 — Good picture
VIDEO IN

Video cable (supplied)

DVD/VCR   VCR
VIDEO OUT

VIDEO OUT

Method 2 — Better picture
S-VIDEO IN

S-Video cable (commercially available)

DVD
AUDIO OUT | S-VIDEO OUT | COMPONENT VIDEO OUT

S-VIDEO OUT

Method 3 — Best picture
COMPONENT VIDEO IN
Y
Pb   or   Cb
Pr   Cr

Component Video cables (commercially available)

DVD
AUDIO OUT | S-VIDEO OUT | COMPONENT VIDEO OUT
Y
Cb/Pb
Cr/Pr

COMPONENT VIDEO OUT

Setup

Hint
• Connect this unit directly to the TV. If the Audio/Video cables are connected to a VCR, pictures may be distorted due to the copy protection system.
• When progressive scanning mode is selected, no video signal will be output from the VIDEO OUT or S-VIDEO OUT jack.
• **The COAXIAL, DVD AUDIO OUT, S-VIDEO OUT and COMPONENT VIDEO OUT jacks are only useful in DVD mode.**

If your TV is compatible with 525p (480p) progressive scanning and you want to enjoy that high quality picture;
You must select the connection Method 3 above and progressive scanning mode. To set the mode, press and hold **[PLAY ▶]** on the front panel for more than 5 seconds, so that "P.SCAN" will appear on the display of this unit. (The progressive scanning is not available in the VCR mode.)
If your TV is not compatible with progressive scanning;
Use this unit in interlace mode. Make sure that no "P.SCAN" is on the display of this unit. If not, press and hold **[PLAY ▶]** on this unit for more than 5 seconds, so that "P.SCAN" on the display of this unit will disappear.

[DVD/VCR]

more than 5 seconds
[Interlace mode]

[Progressive scanning mode]
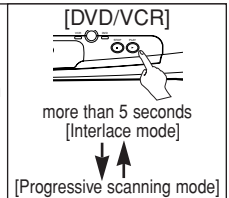
After you have completed connections
• Hit the input selector button (usually TV/VIDEO, INPUT or AUX) on your TV to switch an appropriate external input channel (usually near channel 0) for viewing the picture from this unit. If the picture does not appear, also refer to the manual accompanying your TV.

Input modes for common TV brands
• Listed below are inputs for common brand name TV's.

Admiral:	AUX	Panasonic:	TV/VIDEO
Curtis Mathis:	LINE1, LINE2, 00, 90, 91, 92, 93	RCA:	INPUT, TV/VCR, 00, 90, 91, 92, 93
GE:	INPUT, TV/VCR, 00, 90, 91, 92, 93	Samsung:	TV/VIDEO
Hitachi:	INPUT, AUX	Sanyo:	VIDEO, IN MENU
JVC:	A/V CHANNEL, INPUT1, SVIDEO, INPUT2	Sharp:	00
Kenwood:	AUX	Sony:	VIDEO1, VIDEO2, VIDEO3
LXI-Series:	00	Toshiba:	TV/GAME
Magnavox:	AUX CHANNEL	Zenith:	00

Front & Rear Terminals

DVD AUDIO OUT (analog) jacks
Connect the supplied audio cables here through the Audio In jacks of a television or other audio equipment. (DVD only)

DVD/VCR AUDIO OUT jacks
Connect the supplied audio cable here through the audio In jacks of a television or other audio equipment.

AUDIO IN jacks
Connect audio cable coming from the audio out jacks of a camcorder, another VCR or an audio source here.

ANT-IN jack
Connect your antenna or cable box here.

DIGITAL AUDIO OUT COAXIAL jack
Connect an optional coaxial digital audio cable here through the coaxial digital audio in jack of a decoder or audio receiver. (DVD only)

[Rear Panel]

[Front Panel]
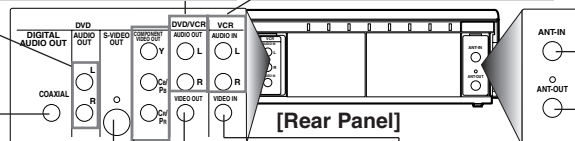
S-VIDEO OUT jack
Connect an optional S-Video cable here through the S-video in jack of a television. (DVD only)

COMPONENT VIDEO OUT jacks
Connect optional component video cables here through the component video in jacks of a television. (DVD only)

DVD/VCR VIDEO OUT jack
Connect the supplied video cable here through the TV's video in jack.

VIDEO IN jack
Connect a cable coming from the video out jack of a camcorder, another VCR or an audio-visual source (laser disc player, video disc player, etc.) here.

ANT-OUT jack
Connect the supplied RF cable to the antenna input jack on your TV.

– 7 –

EN

Preparation for Use

Turn On the Unit for the First Time

1

Turn on the TV and set it to channel 3.
• If channel 3 is already occupied for broadcasting, see"RF Output Channel" section.

2

POWER (Remote Control) (TV Screen)

```
      LANGUAGE SELECT

  ► ENGLISH       [ON]
    FRANÇAIS
    ESPAÑOL
```

or

3

CH 01

─ AUTO SET UP ─

Do you connect the cable from the cable box or the satellite box to the unit's ANT-IN jack?
YES

Yes Hit **[MENU]** to exit.
• Refer to "Hint for Cable Box or Satellite Box" section on page 6.
NO

No Please wait for a few minutes. After scanning...
• The tuner stops on the lowest memorized channel.
• You can select only the channels memorized in this unit by using **[SKIP/CH. ▶▶I/▲ I◀◀/▼]** (or **[CHANNEL ▲/▼]**).
• If "AUTO SET UP" appears on the TV screen again, check the cable connections. Then, hit **[▶]** once again.

Hint
• Repeat these steps only if either there was a power failure or this unit has been unplugged for more than 30 seconds.

To Select a Channel

You can select a channel by using **the Number buttons** or **[SKIP/CH. ▶▶I/▲ I◀◀/▼]** on the remote control.

Notes for using the Number buttons:
• When selecting cable channels which are higher than 99, enter channel numbers as a three-digit number. (For example: 117, hit **[1], [1], [7]**)
• You must precede single-digit channel numbers with a zero (for example: 02, 03, 04 and so on).

To Add/Delete Channels

1

MENU

```
            - M E N U -
    TIMER PROGRAMMING
    AUTO REPEAT   [OFF]
  ► CHANNEL SET UP
    CLOCK SET
    LANGUAGE SELECT
    AUDIO OUT
    TV STEREO      [ON]
    SAP
```

• If the clock is not set, the "CLOCK SET" screen appears when you hit **[MENU]**. In this case, hit **[MENU]** again.

or

2

```
        CHANNEL SET UP

    AUTO SET UP
  ► MANUAL SET UP
```

or

3

```
        MANUAL SET UP

    CHANNEL  30   (CATV)
        ─ADD─
```

Select the channel to be added or deleted.

or

4

```
        MANUAL SET UP

    CHANNEL  30   (CATV)
        ─DELETE─
```

Select "ADD" or "DELETE".

or

5 To exit the menu

CLEAR/ C. RESET

To Preset the Channel Again

1) Hit **[MENU]** until the main menu appears.
2) Select "CHANNEL SET UP" by pressing **[▲/▼]**, then hit **[▶]**.
3) Select "AUTO SET UP" by pressing **[▲/▼]**, then hit **[▶]** After scanning, the tuner stops on the lowest memorized channel.

To Change the On-Screen Language

1) Hit **[MENU]** until the main menu appears.
2) Select "LANGUAGE SELECT" by pressing **[▲/▼]**, then hit **[▶]**.
3) Select **"ENGLISH" , "**FRANÇAIS**" or "**ESPAÑOL**"** by pressing **[▲/▼]** then hit **[CLEAR/C.RESET]**.

Hint
• If you accidentally select Spanish or French and need English: Hit **[MENU]** and choose SELEC. IDIOMA or SELECTION LANGUE. Hit **[▶]** and select ENGLISH. Finally, hit **[CLEAR/C.RESET]**.

Clock Setup

1

MENU

```
            - M E N U -
    TIMER PROGRAMMING
    AUTO REPEAT   [OFF]
    CHANNEL SET UP
  ► CLOCK SET
    LANGUAGE SELECT
    AUDIO OUT
    TV STEREO      [ON]
    SAP
```

• If the clock is not set, the CLOCK SET screen appears when you hit **[MENU]** In this case, go to step 2).

or

2

```
          CLOCK SET

    MONTH DAY      YEAR
      1 0 / --     ----

    HOUR MINUTE   AM/PM
    -- : --        --
```

Select the current month.

or

3

```
          CLOCK SET

    MONTH DAY      YEAR
    1 0 / 0 3      ----

    HOUR MINUTE   AM/PM
    -- : --        --
```

Select the current day.

or

4

```
          CLOCK SET

    MONTH DAY      YEAR
    1 0 / 0 3      2 0 0 5

    HOUR MINUTE   AM/PM
    -- : --        --
```

Select the current year.

or

5

```
          CLOCK SET

    MONTH DAY      YEAR
    1 0 / 0 3 MON 2 0 0 5

    HOUR MINUTE   AM/PM
      0 5 : --      --
```

Select the current hour.

or

Setup

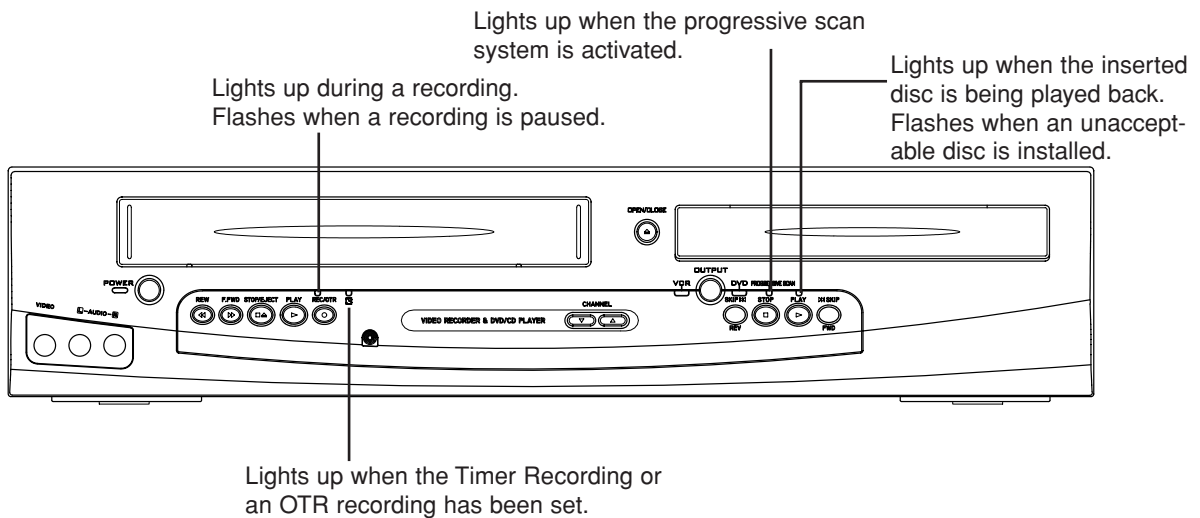| **6** | CLOCK SET

MONTH DAY   YEAR
10 / 03 MON 2005

HOUR MINUTE AM/PM
05 : 40 — —

Select the current minute. | **7** | CLOCK SET

MONTH DAY   YEAR
10 / 03 MON 2005

HOUR MINUTE AM/PM
05 : 40 PM AM
        ▶ PM

Select "AM" or "PM". | **8** | To exit the CLOCK SET screen |

Hint

• To go back one step, hit **[◄]** (during the steps 2) to 7)).
• Your clock setting will be lost if either there is a power failure or this unit has been unplugged for more than 30 seconds.

Function Overview

Front Panel Indicator

Lights up when the progressive scan system is activated.

Lights up during a recording.
Flashes when a recording is paused.

Lights up when the inserted disc is being played back. Flashes when an unacceptable disc is installed.

Lights up when the Timer Recording or an OTR recording has been set.

VCR/DVD Switching

Because this product is a combination of a VCR and a DVD player, you must select first which component you wish to operate with **[OUTPUT]**.

VCR MODE

Hit **[VCR]** on the remote control.
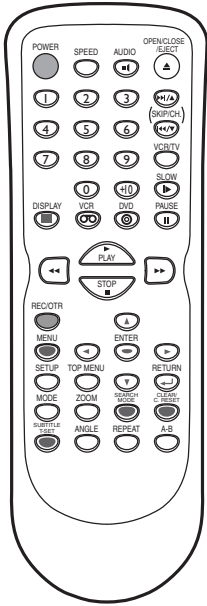(Verify that the VCR OUTPUT light is lit.)

DVD MODE

Hit **[DVD]** on the remote control.
(Verify that the DVD OUTPUT light is lit.)

Hint

• Hitting only **[OUTPUT]** on the front panel DOES NOT switch the mode of the remote control. You MUST select the correct mode on the remote control.
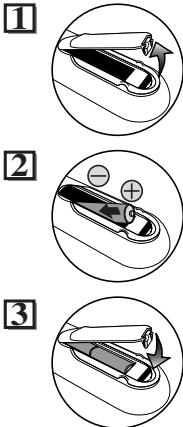

VCR button
DVD button

OUTPUT
VCR   DVD

DVD OUTPUT light
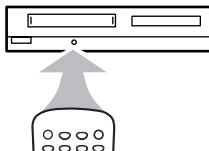OUTPUT button
VCR OUTPUT light
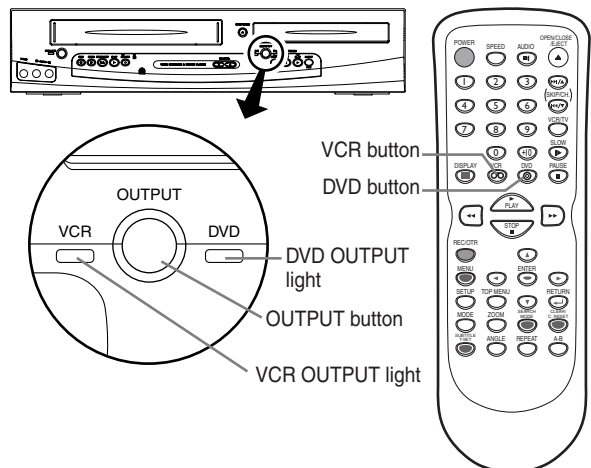
Setup

Installing the Batteries for the Remote Control

Install two AA batteries (supplied) matching the polarity indicated inside battery compartment of the remote control.

1

2

3

Keep in mind the following when using the remote control:
- Make sure that there is no obstacle between the remote control and the remote sensor on the unit.
- The maximum operable ranges from the unit are as follows.
  - **Beeline**: approx. 23 feet (7m)
  - **Either side of center**: approx. 16 feet (5m) within 30°
  - **Above**: approx. 16 feet (5m) within 15°
  - **Below**: approx. 10 feet (3m) within 30°

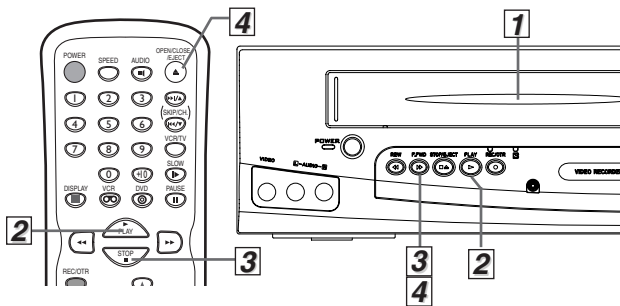| Button (Alphabetical order) / Disc/Tape	DVD mode — DVD-V	DVD mode — CD MP3	VCR mode — VCR
1 2 3 4 5 6 7 8 9 0 +10	• To select chapter or title directly.	• To select track directly.	• To select channel. • The +10 button has no effect in VCR mode.
◀◀ ▶▶	• To search forward/backward through a disc. • To begin slow forward/reverse playback during the pause mode.	• To search forward/backward through a disc.	• To forward/backward a tape.
▲ ◀ ENTER ▶ ▼	• To move the cursor and determine its position.	• To move the cursor and determine its position.	▲▼ • To select an item on the VCR Menu. ▶ • To advance to the next VCR Menu. ◀ • To go back one step during clock and timer setting.
A-B	• To repeat between your chosen point A and B.	• To repeat between your chosen point A and B. (CD)	—
ANGLE	• To select camera angles on a disc.	—	—
AUDIO	• To select audio languages on a disc.	• To select STEREO, L-ch or R-ch. (CD)	—
CLEAR/ C. RESET	• To clear the markers. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.	• To clear the markers. (CD) • To remove status number in program input. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.(CD)	• To exit the VCR Menu. • To reset the tape counter.
DISPLAY	• To display the current disc mode.	• To display the current disc mode.	• To display the current time, tape counter, and channel.
DVD	• To select the DVD output mode. • To activate the remote control in DVD mode.	• To select the DVD output mode. • To activate the remote control in DVD mode.	—
MENU	• To call up the Menu on a disc.	• To call up the file list. (MP3)	• To call up the VCR Menu.
MODE	• To set black level on/off. • To set virtual surround on/off.	• To arrange the playing order or play randomly. • To set virtual surround on/off.	—
OPEN/CLOSE /EJECT	• To open or close the disc tray.	• To open or close the disc tray.	• To eject the video cassette from the VCR.
PAUSE	• To pause disc playback. • To advance playback one frame at a time.	• To pause disc playback.	• To pause tape playback or recording. • To advance playback one frame at a time.
PLAY	• To begin disc playback.	• To begin disc playback.	• To begin tape playback.
POWER	• To turn the unit on or off.	• To turn the unit on or off.	• To turn the unit on or off.
REC/OTR	—	—	• To start a recording or One Touch Recording.
REPEAT	• To play a chapter or title repeatedly.	• To play a track or disc repeatedly. (CD) • To play a track, group or disc repeatedly. (MP3)	—
RETURN	• To return to the previous operation in menu.	• To return to the previous operation in menu.	—
SEARCH MODE	• To search chapter, title or time. • To set or search the markers.	• To search track. • To search time. (CD) • To set or search the markers. (CD)	• To call up the index or time search menu.
SETUP	• To call up the DVD setup menu.	• To call up the DVD setup menu.	—
SKIP/CH. ▶▶|/▲ |◀◀/▼	• To skip chapters.	• To skip tracks.	• To change channels. • To adjust the tracking manually during playback.
SLOW	—	—	• To view the tape in slow motion.
SPEED	—	—	• To select the recording speed.
STOP	• To stop playback.	• To stop playback.	• To stop playback or recording.
SUBTITLE T-SET	• To select subtitles on a disc.	—	• To put the VCR into standby mode for a Timer Recording.
TOP MENU	• To call up the Top Menu on a disc.	• To return to the top file of the highest hierarchy in the program and file list. (MP3)	—
VCR	—	—	• To select the VCR output mode. • To activate the remote control in VCR mode.
VCR/TV	• To select DVD position or TV position.	• To select CD/MP3 position or TV position.	• To select VCR position or TV position.
ZOOM	• To magnify part of a picture. (x2 / x4)	—	—

VCR Functions

Playback

Before:
Turn on the TV and set it to channel 3.
• If channel 3 is already occupied for broadcasting, see "RF Output Channel" section.

1
2 To start playback
PLAY

3 To stop playback
STOP

4 To eject
OPEN/CLOSE /EJECT

Other Operations

To cue or review picture during playback (Picture Search)

Press **[▶▶]** or **[◀◀]**(**[F.FWD ▶▶]** or **[REW ◀◀]**).
• Press it again and the unit will search in super high speed. (in the SLP mode only)

To freeze the picture on TV screen during playback (Still mode)

Hit **[PAUSE ▌▌]**. Each time you hit the button, the picture will be forwarded by one frame.
• If the picture begins to vibrate vertically during the still mode, stabilize the picture by pressing **[SKIP/CH. ▶▶l/▲ l◀◀/▼]** (or **[CHANNEL ▲/▼]**).
• If the picture is distorted or rolling vertically, adjust the vertical hold control on your TV if equipped.

Counter Reset

Hit **[CLEAR/C.RESET]**.

To play back in slow motion

Hit **[SLOW]** during playback or the still mode.
• If the noise bars appear on the TV screen, you can reduce it by pressing **[SKIP/CH. ▶▶l/▲ l◀◀/▼]** (or **[CHANNEL ▲/▼]**).

Auto Rewind

When a tape reaches its end during playback, fast-forward or recording (except Timer Recording and One Touch Recording), the tape will automatically rewind to the beginning. After rewinding finishes, the unit will eject the tape.

Hint
• Still/Slow mode will be automatically cancelled after 5 minutes to prevent damage to the tape and the video head.
• To return to playback from the Picture Search/Still/ Slow mode, hit **[PLAY ▶]**.

VCR Functions

Index Search

You can skip the program backward and forward by the Index Mark.

• Insert a tape into this unit.

1 SEARCH MODE
INDEX SEARCH
Hit once.

2 ▲ or ▼
INDEX SEARCH 03
01 ~ 20

CURRENT PROGRAM
Beginning of the tape | End of the tape

Pro.1	Pro.2	Pro.3	Pro.4	Pro.5
02	01	01	02	03

INDEX MARK

3 To rewind
◀◀

To fast forward
▶▶

After searching,

4 PLAY▶

Hint
• The Index Mark will be made automatically at the beginning of each recording.
• The time gap between Index Marks should be greater then 1 minute for SP mode, 2 minutes for LP mode and 3 minutes for SLP mode.

Time Search

You can search backward and forward a specific length of time on a tape.

• Insert a tape into this unit.

Hint for Index Search & Time Search
• These functions are not available during recording.
• Hit **[STOP ▌]** to stop the search.
• If a tape ends during a search, your search will be cancelled and the tape will rewind to the beginning.

1 SEARCH MODE
TIME SEARCH
Hit twice.

2 Select the desired length of time for fast forwarding or rewinding.
▲ or ▼
TIME SEARCH 2:50
0:01~ 9:59 (1 minute~9 hours and 59 minutes)

3 To rewind
◀◀

To fast forward
▶▶

After searching,

4 PLAY▶

Auto Repeat

This function will playback a tape repeatedly from the beginning when the tape reaches the end.

1 MENU

-MENU-
TIMER PROGRAMMING
► AUTO REPEAT [OFF]
CHANNEL SET UP
CLOCK SET
LANGUAGE SELECT
AUDIO OUT
TV STEREO [ON]
SAP

or ▲ ▼

2

-MENU-
TIMER PROGRAMMING
► AUTO REPEAT [ON]
CHANNEL SET UP
CLOCK SET
LANGUAGE SELECT
AUDIO OUT
TV STEREO [ON]
SAP

Hint

• To cancel Auto Repeat, follow steps 1)-2) above. Then, hit **[►]** so that [OFF] appears beside AUTO REPEAT. Hit **[CLEAR/C.RESET]** to exit.
• If menu remains on the TV screen at step 3), hit **[CLEAR/C.RESET]** to exit.

Recording

OTR (One Touch Recording)

Before:
Turn on the TV and set it to channel 3.

• If channel 3 is already occupied for broadcasting, see "RF Output Channel" section.

1

with tab

2

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⑩

or

(N/A)
(SKIP/CH+)
(CH-)

• Select the channel to record.

3

SPEED

Tape Speed	Recording/Playback Time		
Type of tape	T60	T120	T160
SP mode	1hour	2hours	2-2/3hours
SLP mode	3hour	6hour	8hour

SP

• Select the desired tape speed.

4

REC/OTR

REC

Hit **REC/OTR** repeatedly to select the desired recording length.

REC ────► OTR(0:30) ──► OTR(1:00).....
(Normal recording)
└─ OTR(8:00) ◄──── OTR(7:30) ◄──

5 STOP

6 OPEN/CLOSE /EJECT

Accidental erasure prevention

To prevent accidental recording on a recorded cassette, remove its record tab. To record on it later, cover the hole with adhesive tape.

Record tab

You **CAN NOT** copy a DVD to a videotape.

To stop recording temporarily (Pause mode)

Hit **[PAUSE ❚❚]**.
• During the rec-pause mode, five ❚ marks appear on the TV screen. Each ❚ mark represents one minute.
• Hit it again to resume recording.
• Pause mode will be automatically cancelled after 5 minutes to prevent damage to the tape and the video head.

Timer Recording

•Insert a tape with its record tab into the unit.

1 MENU

-MENU-
► TIMER PROGRAMMING
AUTO REPEAT [OFF]
CHANNEL SET UP
CLOCK SET
LANGUAGE SELECT

TIMER PROGRAMMING
PROG
DATE 12345678
START TIME
Available program number flashes.

2 ▲ or ▼

PROGRAM NUMBER 4
DATE --/--
START TIME --:-- --
END TIME --:-- --
CHANNEL --
REC SPEED --

Select an empty program number.

3 ▲ or ▼

PROGRAM NUMBER 1
► ONCE
DAILY
WEEKLY

Select "ONCE", "DAILY" (Mon-Fri), or "WEEKLY".

4 Select the desired month

▲ or ▼

ONE TIME PROGRAM
PROGRAM NUMBER 1
DATE 1 0 / 0 3 MON
START TIME --:-- --
END TIME --:-- --
CHANNEL --
REC SPEED --

Select the desired day.

▲ or ▼

• You can program one year in advance.

VCR Functions

5 Select the desired start time (hour).

or

ONE TIME PROGRAM
PROGRAM NUMBER 1
DATE   10/24 MON
START TIME 07:30 --
END   TIME -- : --
CHANNEL   --
REC SPEED   --

Select the minute.

6

ONE TIME PROGRAM
PROGRAM NUMBER 1
DATE   10/24 MON
START TIME 07:30 PM
END   TIME -- :-- --
CHANNEL   --
REC SPEED   --
                    ► AM
                    ► PM

Select "AM" or "PM".

7 Repeat the procedure in steps 5) and 6) to set the end time.

8

ONE TIME PROGRAM
PROGRAM NUMBER 1
DATE   10/24 MON
START TIME 07:30 PM
END   TIME 08:30 PM
CHANNEL   16
REC SPEED   --

Select the desired channel.

• **If you have connected the unit to a cable box or satellite box as the Connection A on page 6, select the VCR to channel 3 or 4 (the RF output channel of the VCR).** Then, select the desired channel at the cable box or satellite box. Leave the cable box or satellite box on for Timer Recording.

9

ONE TIME PROGRAM
PROGRAM NUMBER 1
DATE   10/24 MON
START TIME 07:30 PM
END   TIME 08:30 PM
CHANNEL   16
REC SPEED   SP
                    ► SP
                    ► SLP

Select the desired recording speed.

• To set another program after step 9), hit **[►]**. Then, continue with step 2).

CLEAR/
C. RESET

10

SUBTITLE
T-SET

• ⏲ on the front panel display appears. The unit will change to the DVD mode.

Hint

• To go back one step, hit **[◄]** (during steps 3) to 9)).

To Check, Correct or Cancel a Timer Program

1) Hit **[SUBTITLE/T-SET]** then, **[VCR]** on the remote control.
2) Select main menu by hitting **[MENU]**.
3) Select "TIMER PROGRAMMING" by pressing **[▲/▼]**, then hit **[►]**.
4) Select the program number which you want to check by pressing **[▲/▼]**. The details of the program you selected will appear on the TV screen.
• Go to the digit you want to change by pressing **[◄/►]**. Then, enter correct numbers by pressing **[▲/▼]**.
• You may cancel the entire program by hitting **[◄]** while the program number flashes.
5) Hit **[CLEAR/C.RESET]** to exit.
6) Hit **[SUBTITLE/T-SET]** to return to timer stand-by mode.

To cancel a Timer Recording in progress

Hit **[STOP/EJECT ■/▲]** on the unit.

VCR Functions

Hints for OTR and Timer Recording

• **Hit [VCR] on the remote control before you set Timer Recording. Make sure the remote control is in the VCR mode, then hit [SUBTITLE/T-SET].**
• If a tape is not in the unit or does not have the record tab, ⏲ on the front panel display flashes and Timer Recording cannot be performed. Please insert a recordable tape.
• When Timer Recordings are set, ⏲ on the front panel display will appear. To use the VCR as usual until the time for the recording, hit **[SUBTITLE/T-SET]** so that ⏲ disappears. Hit **[VCR/TV]** to choose the VCR position. Select either VCR or DVD mode, then continue with the other features as described in this manual.

After an OTR and a Timer Recording has been set, this unit operates as follows:

• If a tape runs out before an OTR or a Timer Recording is finished, the unit ejects the tape and switches to the DVD mode automatically. If the DVD power is off, the unit does not switch to the DVD mode but goes into the timer standby mode. Hit **[SUBTITLE/T-SET]** on the remote control or **[STOP/EJECT ■/▲]** on the unit, then hit **[VCR]** to activate the VCR function again.
• Once the unit turns to the timer standby mode, no VCR functions are available until **[SUBTITLE/T-SET]** is hit. (**[OUTPUT]** on the front panel and **[VCR]** on the remote control will not function.)
• To cancel the timer standby mode, press **[SUBTITLE/T-SET]** on the remote control or **[STOP/EJECT ■/▲]** on the unit, then hit **[VCR]** to activate the VCR function again.
• The mode of the unit and the remote control may differ (VCR mode or DVD mode) when you set Timer Recording or after you cancelled Timer Recording. Press **[VCR]** or **[DVD]** on the remote control to select your desired mode before you operate.

When an OTR or a Timer Recording is completed...

• If Auto Power Off for DVD has been activated and there are Timer Recordings on standby, the unit turns off automatically, and ⏲ on the front panel display appears to indicate the unit is in the timer standby mode.
• ⏲ on the front panel display flashes if there are no more Timer Recordings on standby.
• If Auto Power Off for DVD has NOT been activated, the unit switches to the DVD mode and all the VCR functions will be unavailable. ⏲ on the front panel display will not appear as long as the DVD is in use. All the DVD functions are available during OTR, timer standby mode and Timer Recording.

If you want to use the DVD player during a Timer Recording or while ⏲ on the front panel display appears or flashes.

• Hit **[POWER]** to turn on the DVD. Hit **[DVD]** on the remote control to choose DVD mode, then continue with the other DVD features as described in this manual. You don't need to set the TIMER off to use the DVD player.
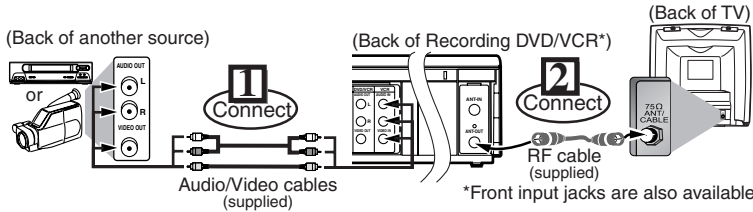
NOTE (for Timer Recording) :
• If there is a power failure or the unit is unplugged for more than 30 seconds, clock and all timer settings will be lost.

– 13 –
EN

Copying a Video Tape

Warning: Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.

(Back of another source)

or

1 Connect

Audio/Video cables (supplied)

(Back of Recording DVD/VCR*)

2 Connect

(Back of TV)

RF cable (supplied)

*Front input jacks are also available

1) Insert a pre-recorded tape into the playing VCR.
2) Insert a tape with its record tab into the recording unit.
3) Hit **[SPEED]** on the remote control of the recording unit to select the desired recording speed (SP/SLP).
4) Select the "L1" or "L2" position on the recording unit.
   • To use the input jacks on the back of this unit, select "L1" position by pressing **[0], [0], [1]** on the remote control or **[CHANNEL ▲/▼]**.
   • To use the input jacks on the front of this unit, select "L2" position by pressing **[0], [0], [2]** on the remote control or **[CHANNEL ▲/▼]**.
5) Hit **[REC/OTR]** on the recording unit.
6) Begin playback of the tape in another source.
7) To stop recording, hit **[STOP/EJECT ■/▲]** on the recording unit, then stop playback of the tape in another source.
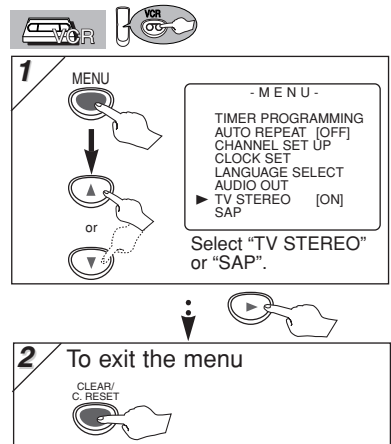
Hint

• For best results during dubbing, use the front panel controls whenever possible. The remote control might affect another source's operation.
• Always use video-quality shielded cables with RCA-type connectors. Standard audio cables are not recommended.
• You can use a video disc player, satellite receiver or other audio/video component with A/V outputs.
• "L1" or "L2" is found before the lowest memorized channel. (Example: CH02)
• "L2" input jacks are on the front of this unit.

MTS System (Multi-Channel Television Sound)

When You Receive or Record a Program Broadcast in MTS

• When you receive a broadcast on the VCR, you can check the type of the broadcast by hitting **[DIS-PLAY]**.
• When "TV STEREO" or "SAP" selection is valid, select them by following steps. This selection is needed when you record the program.
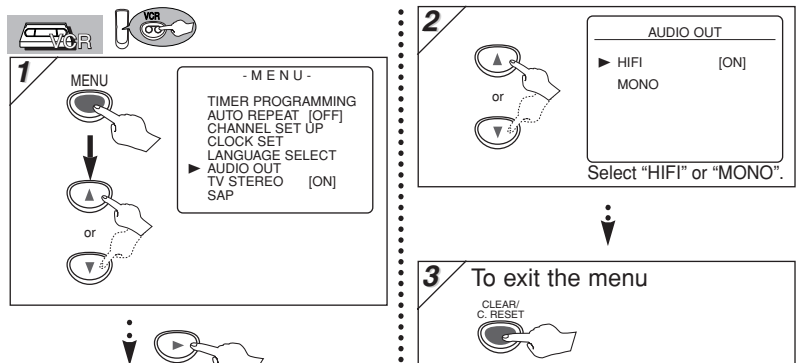• SAP means Second Audio Program (usually second language).

Display on the TV screen	Type of broadcast	STEREO/SAP Selection
-None-	Regular (monaural audio)	-Invalid-
STEREO	Stereo broadcast	-Invalid-
SAP	Bilingual broadcast	TV STEREO (main audio program)
		SAP (second audio program)
STEREO SAP	Stereo & Bilingual broadcast	TV STEREO (stereo main audio program)
		SAP (second audio program)

1 MENU

- M E N U -

TIMER PROGRAMMING
AUTO REPEAT   [OFF]
CHANNEL SET UP
CLOCK SET
LANGUAGE SELECT
AUDIO OUT
► TV STEREO   [ON]
   SAP

or

Select "TV STEREO" or "SAP".

2 To exit the menu

CLEAR/ C. RESET

When You Play Back a Tape Recorded in Hi-Fi Stereo

• If you have connected a stereo TV to this unit, select "HIFI".
• If you have connected a monaural TV to this unit, select "MONO".

Your Selection	HIFI		MONO
Type of recorded tape	L-channel	R-channel	
non Hi-Fi tapes	Monaural	Monaural	Monaural
Hi-Fi tapes recorded in Hi-Fi stereo	L	R	L+R
Hi-Fi tapes recorded main audio program	Main audio program	Main audio program	Main audio program
Hi-Fi tapes recorded second audio program	Second audio program	Second audio program	Second audio program

1 MENU

- M E N U -

TIMER PROGRAMMING
AUTO REPEAT   [OFF]
CHANNEL SET UP
CLOCK SET
LANGUAGE SELECT
► AUDIO OUT
   TV STEREO   [ON]
   SAP

or

2

AUDIO OUT

► HIFI   [ON]
   MONO

or

Select "HIFI" or "MONO".

3 To exit the menu

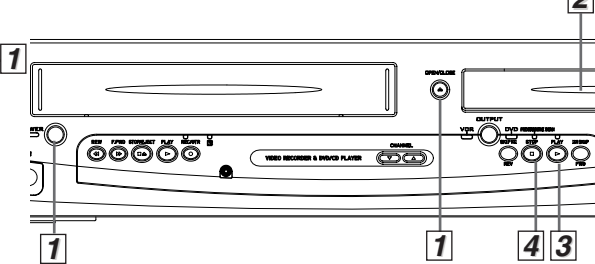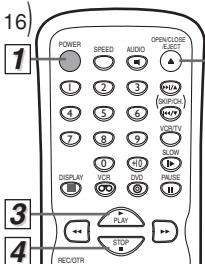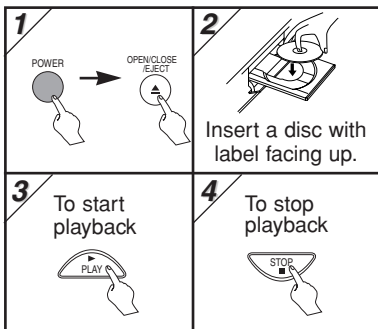CLEAR/ C. RESET

– 14 –

EN

DVD Functions

Playback

Before: Turn on the TV, amplifier and any other components which are connected to this unit. Make sure the TV and audio receiver (commercially available) are set to the correct channel.

(MP3 ⇒Page 16)

1 POWER → **2** OPEN/CLOSE /EJECT
Insert a disc with label facing up.

3 To start playback
PLAY

4 To stop playback
STOP

Hint

• When you play an MP3 file, details on page 16.
• A "prohibited icon" may appear at the top-right on the TV screen when the operation is prohibited by the disc or this unit.
• Some DVDs may be played from title 2 or 3 due to specific programs.
• **During the playback of a two-layered disc, pictures may stop for a moment. This happens while the 1st layer is being switched to the 2nd layer. This is not a malfunction.**

TIP:
You can change the on-screen language for DVD function in "PLAYER MENU" setting. (Refer to page 20.)

DVD menu

Some discs contain menus which allow you to customize DVD playback. Press **[▲ / ▼ / ◄ / ►]** to select an item, then press **[ENTER]** (or **[PLAY ►]**).

Calling up a Menu Screen during Playback

• Hit **[MENU]** to call up the DVD menu.
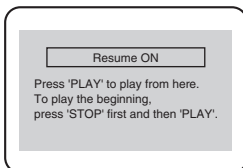• Hit **[TOP MENU]** to call up the title menu.

Hint

• Menu operations may vary depending on the disc. Refer to the manual accompanying the disc for details.

Resume

Hit **[STOP ■]**. Resume message will appear on the TV screen.

Hit **[PLAY ►]**, playback will resume from the point at which playback was stopped.

```
Resume ON

Press 'PLAY' to play from here.
To play the beginning,
press 'STOP' first and then 'PLAY'.
```

<Example : DVD>

Hint

• To cancel resume, hit **[STOP ■]** one more time during the Stop mode.
• For MP3, playback will resume from the beginning of the track at which playback was stopped.
• The resume information stays on even when the power is turned off.

Paused and Step-by-Step Playback

Hit **[PAUSE II]** during playback.
To continue playback, hit **[PLAY ►]**.

The disc goes forward by one frame each time **[PAUSE II]** is hit during the pause mode.
To continue playback, hit **[PLAY ►]**.

Hint

• On DVDs, set "STILL MODE" to "FIELD" in the Display menu if pictures in the pause mode are blurred. (Refer to pages 20-21.)

To use [SKIP |◄◄/REV], [►►| SKIP/FWD] on the Main Unit

Hit once to skip chapters or tracks to a desired point.
Press and hold to change forward or reverse playback speed.

Fast Forward/Reverse Search

Press **[◄◄]** or **[►►]** repeatedly during playback to select the required forward or reverse speed.
To continue playback, hit **[PLAY ►]**.

Hint

• For DVDs, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(x2), 2(x8), 3(x20), 4(x50), 5(x100).
• For Audio CDs, approximate speed is 1(x2), 2(x8), 3(x30).
• For MP3, approximate speed is 1(x2), 2(x8), 3(x30).

Slow Forward/Slow Reverse

Press **[◄◄]** or **[►►]** repeatedly during the pause mode to select the required forward or reverse speed.
To continue playback, hit **[PLAY ►]**.

Hint

• Slow forward or reverse speed is different depending on the disc. Approximate speed is 1(1/16), 2(1/8), 3(1/2).
• Set "STILL MODE" to "FIELD" in the Display menu if pictures in the slow playback mode are blurred. (Refer to pages 20-21.)

Zoom

1) Hit **[ZOOM]** during playback.
2) Hit **[ZOOM]** repeatedly to select the required zoom factor: x2, x4 or OFF.

3) Press **[▲ / ▼ / ◄ / ►]** to slide the zoomed picture across the screen.
4) To exit zoom mode, hit **[ZOOM]** to select OFF.

Hint

• Zooming function does not work while the disc menu is showing up.
• x4 zoom is not available on some discs.
• The picture may be distorted when you press **[PAUSE II]** or **[◄◄]** repeatedly in the zoom mode.
• It may take several seconds to slide the zoomed picture.

DVD Functions

MP3 Playback

MP3 is a method of compressing files. You can copy MP3 files on CD-R/RWs from the computer and play the files on this unit.

MP3 · DVD

Insert an MP3-format disc, then hit **[MENU]** to call up the file list on the TV screen.

1

MENU

FILE LIST
FOLDER   DISC NAME
MP3
folder name 1
folder name 2
folder name 3
folder name 4
file name 1
file name 2
file name 3
folder name 1   1/ 2

ENTER   or   PLAY

When selecting the folder:
• Hit **[▶]** when you want to go to the next hierarchy.
• Hit **[◀]** when you want to go back to the previous hierarchy (except for the top hierarchy).

2

STOP ■   ■

Refer to "Resume" on page 15.

Hint

• Some selections may take a while to be recognized.
• Hit **[TOP MENU]** to return to the first item.
• Folders are known as Groups; files are known as Tracks.
• MP3 files are accompanied by 3♪ icon.
• Folders are accompanied by 🗀 icon.
• A maximum of 255 folders can be recognized.
• A maximum of 999 files can be recognized.
• Up to 8 hierarchies can be created.

This player recommends the files recorded under the following circumstances:
• Sampling frequency: 44.1kHz or 48kHz
• Constant bit rate: 32kbps ~ 320kbps.
• For MP3 file recorded in Variable Bit Rate(VBR), the unit may not display the actual elapsed time.

On-Screen Display

You can check the information about the current disc by hitting **[DISPLAY]** on the remote control.

DVD-V · DVD

DISPLAY

1   CH 11/16 0:00:00 - 0:03:30 ▶

— Current playback status
— Remaining time of the current chapter
— Elapsed time of the current chapter
— CH(Chapter):
Current chapter number / Total chapters

DISPLAY

2   TT 1/3 0:00:00 - 1:23:45 ▶

— Remaining time of the current title
— Elapsed time of the current title
— TT(Title):
Current title number / Total titles

DISPLAY

3   ⊏T L1

— Layer numbers, appears only when playing a two-layered Disc
L0: Layer 0 is playing
L1: Layer 1 is playing
— Current repeat setting appears only when the repeat setting is active
⊏C: Chapter repeat / ⊏T: Title repeat /
A⊏B: A-B repeat
— BIT RATE: The amount of audio and video data currently being read

DISPLAY

4

CD · DVD

DISPLAY

— Current playback status

1   TR 4/12 0:03:21 - 0:02:15 ⊏ T ▶

— Remaining time of the current track
— Elapsed time of the current track
— TR(Track):
Current track number / Total tracks
— ALL:
Current track number / Total tracks

DISPLAY

2   ALL 4/12 0:13:45 - 0:45:40 ⊏ T ▶

— Current repeat setting appears only when the repeat setting is active
⊏T: Track repeat
⊏A: All Tracks repeat
A⊏B: A-B repeat
— Remaining time of the entire disc
— Elapsed time of the entire disc

DISPLAY

3

Hint

• When you are playing a disc in PROGRAM or RANDOM mode, TR PROGRAM (or RANDOM) will be displayed instead of *2*.

MP3 · DVD

DISPLAY

— Current playback status

1   ♪ TRACK 01 ▶

— The name of the file currently in play will be displayed.

DISPLAY

— TR(Track):
Current track number / Total tracks

2   TR 1/36 0:01:15 ⊏ T ▶

— Current repeat setting, if active
⊏T: Track repeat
⊏G: Group (folder) repeat
⊏A: Disc repeat
— Elapsed playing time of the current track

DISPLAY

3   TR PROGRAM   or   TR RANDOM

(Only when you are playing a disc in PROGRAM or RANDOM mode.)

DISPLAY

4

DVD Functions

Search Function

Track Search

Using [SEARCH MODE]

1
SEARCH MODE

T __ /29

2
① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪ +10

T __ /29

Within 30 seconds

- For the disc with less than 10 tracks, hit the track number directly.
- For discs with more than 10 but less than 99 tracks, to play single-digit track, hit **[0]** first, then the track number (e.g. for track 3, hit **[0]**, **[3]**). To play a double-digit track, hit the track number.
- For discs with more than 100 tracks, to play a single or a double-digit track, hit **[0]** first, then the track number (e.g. for track 3, hit **[0]**, **[0]**, **[3]**, and for track 26, hit **[0]**, **[2]**, **[6]**). To play a triple-digit track, hit the track number.

Using [SKIP ◄◄ , ►►]

1
PLAY

►I/▲
SKIP/CH
I◄◄/▼

Current Track (TR)

| TR 1 | TR 2 | TR 3 | TR 4 |

SKIP I◄◄   SKIP ►►I

Hint

- **[+10]** button can also bring the Track search display, except for the disc with less than 10 tracks. For such a disc, track search can be done by just hitting the track number.

Title / Chapter Search

Using [SEARCH MODE]

1
PLAY

CH __ /12

SEARCH MODE

Hit once for the Chapter Search. Hit twice for the Title Search.

2
① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪ +10

CH __ /12

Within 30 seconds

Using [SKIP ◄◄ , ►►]

1
PLAY

►I/▲
SKIP/CH
I◄◄/▼

Current Chapter (CH)

| CH 1 | CH 2 | CH 3 | CH 4 |

SKIP I◄◄   SKIP ►►I

or

Current Title (T)

| T 1 | T 2 | T 3 | T 4 |

SKIP I◄◄   SKIP ►►I

(If the disc has no chapters)

Hint

- Depending on the disc being played, this function can also be performed by directly entering the desired chapter number with **the Number buttons**. Refer to the manual accompanying the disc.
- For CDs and MP3, Track Search is not available for Programmed or Random Playback.

Time Search

1
PLAY

⏱ _:_:_ TOTAL 1:29:00

SEARCH MODE

Hit repeatedly until the Time Search display appears.

2
① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪

⏱ _:_:_ TOTAL 1:29:00

Within 30 seconds

Hint

- When there is no need to enter a number, "0" appears automatically.
  For example, "0: 0_: __" appears in the Time Search display if the total time of the title or track is less than 10 minutes.
- Hit **[CLEAR/C.RESET]** to erase the incorrect input at step 2).

Marker Setup

This feature allows you to assign a specific point on a disc to be called back later.

To set a marker

1
PLAY

✓ 1 2 3 4 5 6 7 8 9 0 AC
T __:__:__

SEARCH MODE

Hit repeatedly until this marker display appears.

2
◄ or ►

✓ 1 2 3 4 5 6 7 8 9 0 AC
T __:__:__

3
ENTER

✓ ✓ 2 3 4 5 6 7 8 9 0 AC
T 1 0:12:01

To return to the marker later

1
PLAY

✓ ✓ 2 3 4 5 6 7 8 9 0 AC
T 1 0:12:01

SEARCH MODE

Hit repeatedly until this marker display appears.

2
◄ or ►

✓ ✓ 2 3 4 5 6 7 8 9 0 AC
T 1 0:12:01

3
ENTER

✓ ✓ 2 3 4 5 6 7 8 9 0 AC
T 1 0:12:01

at the desired marker

- Playback will restart from the specific point which you set.

To exit the marker screen

1
RETURN

Hint

- The Marker display will disappear in about 30 seconds when there is no output.
- To clear a marker, select the marker to be cleared at step 2) in the section "To set a marker" or "To return to the marker later" and then hit **[CLEAR/C.RESET]**.
- Opening the disc tray or turning off the power will erase all markers.
- Selecting "AC" at step 2) in the section "To set a marker" or "To return to the marker later" will also erase all markers.
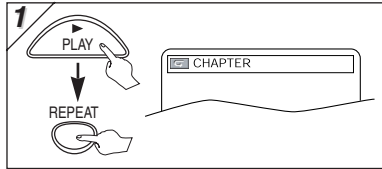
DVD Functions

Repeat / Random / Programmed Playback

Repeat Playback

Repeat function is available only during playback.

1

PLAY

REPEAT

☐ CHAPTER

Each time you hit **[REPEAT]**, repeat function changes as example below.

DVD-V

→ ☐ **CHAPTER** (**current chapter** repeat)

☐ **TITLE** (**current title** repeat)

☐ **OFF** (repeat **off**)

CD

→ ☐ **TRACK** (**current track** repeat)

☐ **ALL** (**entire disc** repeat)

☐ **OFF** (repeat **off**)

MP3

→ ☐ **TRACK** (**current track** repeat)

☐ **GROUP** (**current group** repeat)

☐ **ALL** (**entire disc** repeat)

☐ **OFF** (repeat **off**)

Hint

• Repeat setting will be cleared when moving to another title, chapter, track or group.
• Repeat playback are not available with all discs or during repeat A-B playback.

Repeat A-B Playback

1

PLAY

A-B

☐ A-

at your desired starting point (A)

2

A-B

☐ A-B

at your desired end point (B)

• Point B should be in the same title or track as point A.
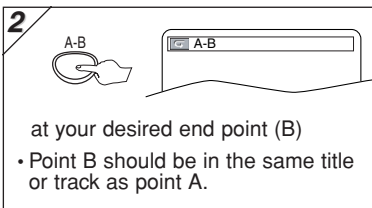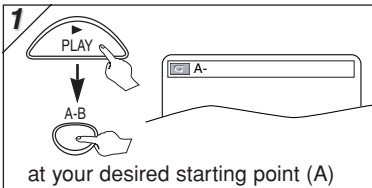
Hint

To exit the sequence, hit **[A-B]** so that OFF appears.
• To cancel Point A, hit **[CLEAR/C.RESET]**.
• This function does not work in the other repeat modes.

Random Playback

This function shuffles the playing order of tracks instead of playback in the sequence.

1

STOP
■

MODE

RANDOM
CD-DA   TOTAL 0:45:55

RANDOM PROGRAM
–no indication–

Hit twice.

2

PLAY

▶
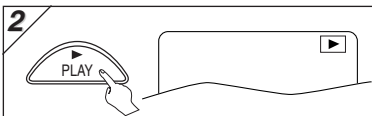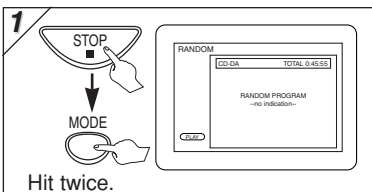
Hint

• To repeat the current track in the random selections, hit **[REPEAT]** repeatedly until ☐ TRACK appears during playback.
• To repeat the entire random selections, hit **[REPEAT]** repeatedly until ☐ ALL appears during playback.

Programmed Playback

You may determine the order in which tracks will play.

1

STOP
■

MODE

PROGRAM
CD-DA   TOTAL 0:00:00
1 3:30
2 4:30
3 5:00
4 3:10
5 5:10
6 1:30
7 2:30
1/2   1/1
☐1 3:30

Hit once.

2

▲
or
▼

ENTER

PROGRAM
CD-DA   TOTAL 1:03:30
1 3:30   1 3:30
2 4:30   5 5:10
3 5:00   10 4:20
4 3:10   11 3:00
5 5:10   12 3:20
6 1:30   17 4:10
7 2:30   22 2:50
1/2   23 ▶▶
☐1 3:30
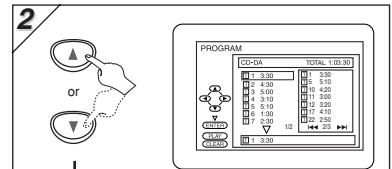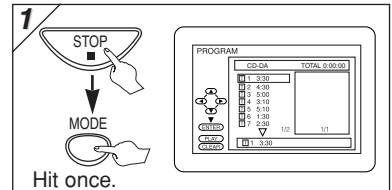
• Up to 99 tracks can be ordered.
• If eight or more tracks were in a program, use **[SKIP/CH. ◄◄/▲ ▶▶/▼]** to see all the tracks.
• While an MP3 folder is open:
  —Hit **[▶]** when you want to go to the next hierarchy.
  —Hit **[◄]** when you want to go back to the previous hierarchy (except for the top hierarchy).

3

PLAY

▶
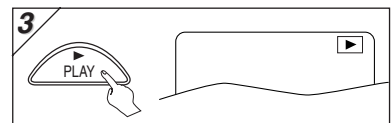
Hint

• Hit **[CLEAR/C.RESET]** at step 2) to erase the most recently entered track.
• To erase all programmed tracks at once, select "ALL CLEAR" and hit **[ENTER]** at step 2).
• While a program is being played back, **[STOP ■]** works as follows;
  ⇒Hit **[STOP ■]** and **[PLAY ▶]** next, so that the programmed playback restarts. (CD playback restarts from the current point. MP3 playback restarts from the beginning of the current track.)
  ⇒Hit **[STOP ■]** twice and **[PLAY ▶]** next, so that playback restarts from the first track in the original order. However, your programmed playback can be restarted when you follow the above steps. (Your programs are still stored until either the disc tray is open or power is turned off.)
• To repeat the current track in the program, hit **[REPEAT]** repeatedly until "☐ TRACK" appears during playback.
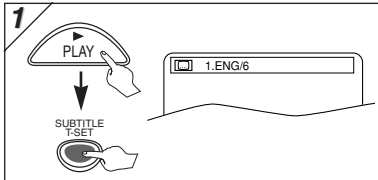• To repeat the entire program, hit **[REPEAT]** repeatedly until "☐ ALL" appears during playback.

DVD Functions

Special Settings
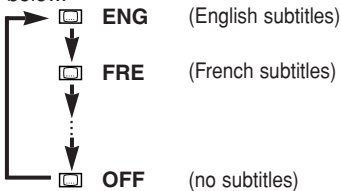
Subtitle Language

This unit allows you to select a subtitle language (if available) during DVD playback.

1

PLAY

SUBTITLE
T-SET

1.ENG/6

Each time you hit **[SUBTITLE/T-SET]**, subtitle language changes as example below.

ENG (English subtitles)

FRE (French subtitles)

OFF (no subtitles)

To set subtitle ON/OFF

1

PLAY

SUBTITLE
T-SET

1.ENG/6

2

OFF
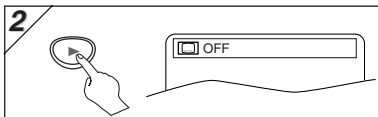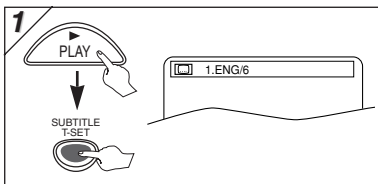
Hint

• If your language is not shown after pressing **[AUDIO]** or **[SUBTITLE/T-SET]** several times, the disc may not have that language. However, some discs allow audio language or subtitle language setting on the disc menu. (Operation varies depending on the discs, so refer to the manual along with the disc.)

• When "NOT AVAILABLE" appears on the TV screen, it means no subtitle is recorded on the scene.

• If you choose a language that has a three-letter-language code, the code will be displayed every time you change the subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 24.)
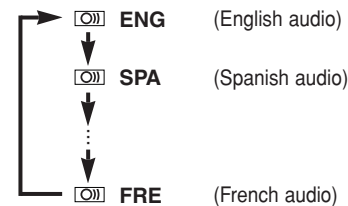
Audio Language

This unit allows you to select an audio language (if multiple languages are available) during DVD playback.

1

PLAY

AUDIO

1.ENG Dolby D 3/2.1ch 48k/3
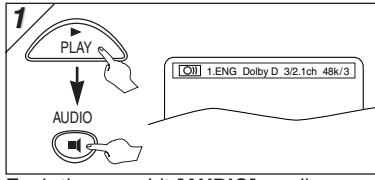
Each time you hit **[AUDIO]**, audio language changes as example below.

ENG (English audio)

SPA (Spanish audio)

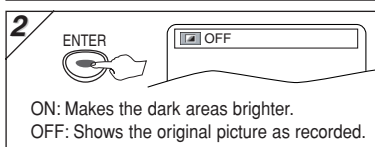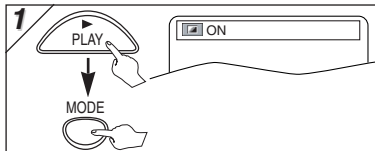**FRE** (French audio)

Camera Angle

Some DVD discs may contain scenes which have been shot simultaneously from various angles. You can change the camera angle if the icon appears on the screen. If the "ANGLE ICON" setting is "OFF" in the OTHERS menu, the icon will not appear. (Refer to pages 20-22.)
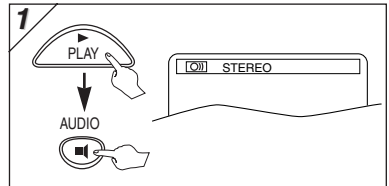
1

PLAY

ANGLE

1 / 8
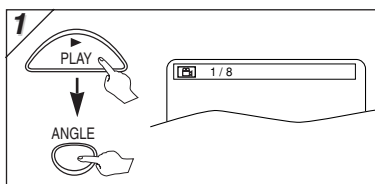
Black Level Setting

Adjust the Black Level Setting to make the dark areas of the TV picture brighter.

1

PLAY

MODE

ON

2

ENTER

OFF

ON: Makes the dark areas brighter.
OFF: Shows the original picture as recorded.
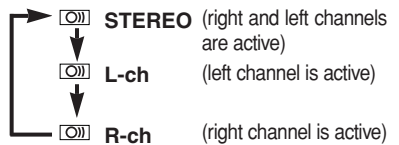
3

RETURN

Stereo Sound Mode

This unit allows you to select a sound mode during CD playback.

1

PLAY

AUDIO

STEREO

Each time you hit **[AUDIO]**, sound mode changes as example below.

STEREO (right and left channels are active)

L-ch (left channel is active)

R-ch (right channel is active)

Virtual Surround

You can enjoy stereophonic virtual world on your existing 2 channel stereo system.

1

PLAY

MODE

OFF

Hit twice (once for CD and MP3)

2

ENTER

1

1: Natural effect
2: Emphasized effect
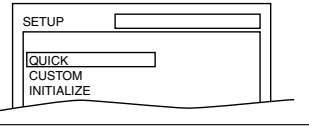OFF: No effects (original sound)

3

RETURN
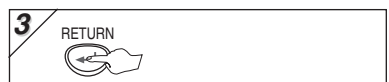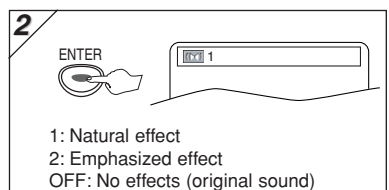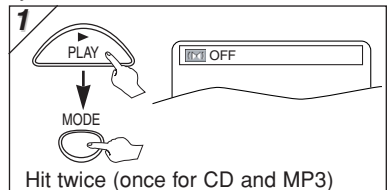
Hint

For CD play back only

• Virtual Surround will not be effective if the sound mode is set to something other than STEREO. Refer to "Stereo Sound mode".

DVD Functions

DVD Setup

QUICK SETUP Menu

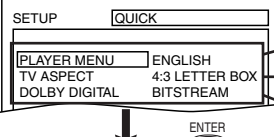You can select the "PLAYER MENU", "TV ASPECT", or "DOLBY DIGITAL" from the QUICK SETUP menu quickly.

1

STOP → SETUP

ENTER

<SETUP MENU>
Confirm that "QUICK" is selected.

SETUP

QUICK
CUSTOM
INITIALIZE

2

Select the desired item.

SETUP   QUICK

PLAYER MENU   ENGLISH
TV ASPECT   4:3 LETTER BOX
DOLBY DIGITAL   BITSTREAM

→ P20 [A] Step 5)
→ P21 [B] Step 5)
→ P21 [C] Step 5)

ENTER

• Refer to the sections "PLAYER MENU", "TV ASPECT", or "DOLBY DIGITAL" section on page 20 or 21.
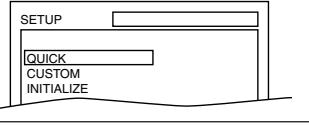
CUSTOM Menu

You can change the settings of the unit.
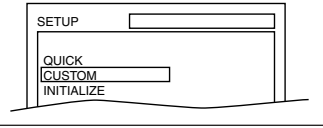• QUICK on pages 20-22 indicates DVD Setup menus also accessible from the QUICK SETUP menu.

1
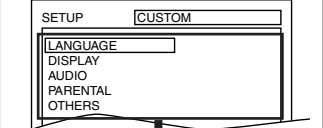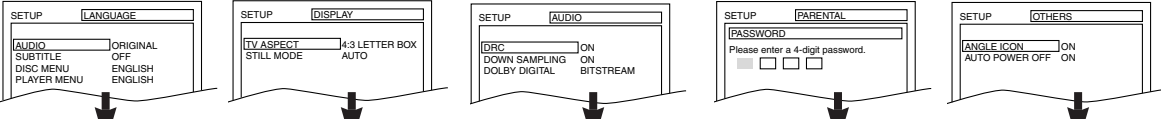
STOP → SETUP

<SETUP MENU>

SETUP

QUICK
CUSTOM
INITIALIZE

2

or

Select "CUSTOM".

SETUP

QUICK
CUSTOM
INITIALIZE

ENTER

3

or → ENTER

Select the desired item.

SETUP   CUSTOM

LANGUAGE
DISPLAY
AUDIO
PARENTAL
OTHERS

LANGUAGE menu

SETUP   LANGUAGE

AUDIO   ORIGINAL
SUBTITLE   OFF
DISC MENU   ENGLISH
PLAYER MENU   ENGLISH

page 20 [A]

DISPLAY menu

SETUP   DISPLAY

TV ASPECT   4:3 LETTER BOX
STILL MODE   AUTO

page 21 [B]

AUDIO menu

SETUP   AUDIO

DRC   ON
DOWN SAMPLING   ON
DOLBY DIGITAL   BITSTREAM

page 21 [C]

PARENTAL menu

SETUP   PARENTAL

PASSWORD
Please enter a 4-digit password.
■ □ □ □

page 22 [D]

OTHERS menu

SETUP   OTHERS

ANGLE ICON   ON
AUTO POWER OFF   ON
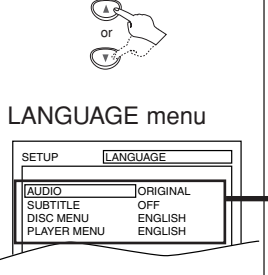
page 22 [E]
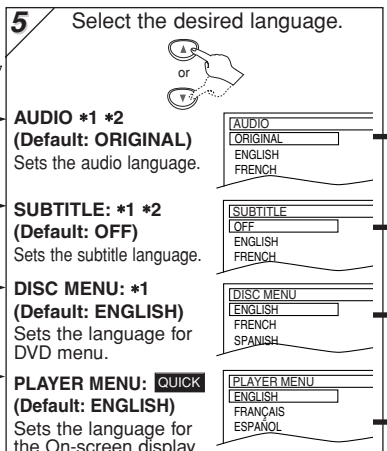
[A] LANGUAGE Setting

Follow the step 1) to 3) in the "CUSTOM Menu" section on above.

4 Select the desired item.

or

LANGUAGE menu

SETUP   LANGUAGE

AUDIO   ORIGINAL
SUBTITLE   OFF
DISC MENU   ENGLISH
PLAYER MENU   ENGLISH

5 Select the desired language.

ENTER

or
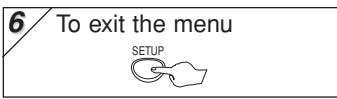
AUDIO ∗1 ∗2
(Default: ORIGINAL)
Sets the audio language.

AUDIO
ORIGINAL
ENGLISH
FRENCH

SUBTITLE: ∗1 ∗2
(Default: OFF)
Sets the subtitle language.

SUBTITLE
OFF
ENGLISH
FRENCH

DISC MENU: ∗1
(Default: ENGLISH)
Sets the language for DVD menu.

DISC MENU
ENGLISH
FRENCH
SPANISH

PLAYER MENU: QUICK
(Default: ENGLISH)
Sets the language for the On-screen display.

PLAYER MENU
ENGLISH
FRANÇAIS
ESPAÑOL

6 To exit the menu

ENTER

SETUP

Hint

∗1
• Language options are not available with some discs.
• If OTHER is selected on the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language. (Refer to the language code list on page 24.)
• Only the languages supported by the disc can be selected.

∗2
• Language Setting for Audio and Subtitle are not available with some discs. Then use **[AUDIO]** and **[SUBTITLE/T-SET]**. Details are on page 19.

DVD Functions (side tab)

EN

B DISPLAY Setting

You can change the display functions. Follow the step 1) to 3) in the "CUSTOM Menu" section on page 20.

4 Select the desired item.

▲ or ▼

DISPLAY menu

SETUP | DISPLAY

TV ASPECT | 4:3 LETTER BOX
STILL MODE | AUTO

5

TV ASPECT: QUICK
(Default: 4:3 LETTER BOX)
See Hint to the right.

TV ASPECT | 4:3 LETTERBOX
STILL MODE | AUTO

→ TV ASPECT
4:3 LETTER BOX
4:3 PAN & SCAN
16:9 WIDE

ENTER

Select the desired setting.
▲ or ▼
ENTER

STILL MODE:
(Default: AUTO)
See Hint to the right.

TV ASPECT | 4:3 LETTERBOX
STILL MODE | AUTO

→ STILL MODE
AUTO
FIELD
FRAME

ENTER

Select the desired setting.
▲ or ▼
ENTER

6 To exit the menu
SETUP

Hint

TV ASPECT:
• Select "4:3 LETTER BOX", so that black bars may appear on the top and bottom of the screen.
• Select "4:3 PAN & SCAN" for a full height picture with both sides adjusted.
• Select "16:9 WIDE" if a wide-screen TV is connected to this unit.

STILL MODE:
• Select "AUTO" usually.
• If you select "FIELD", the picture in the still mode will be stabilized.
• If you select "FRAME", the picture in the still mode will be highly defined.

C AUDIO Setting

Choose the appropriate audio settings for your equipment. It only affects during the playback of DVD discs. Follow the step 1) to 3) in the "CUSTOM Menu" section on page 20.

4 Select the desired item.

▲ or ▼

AUDIO menu

SETUP | AUDIO

DRC | ON
DOWN SAMPLING | ON
DOLBY DIGITAL | BITSTREAM

5

DRC (Dynamic Range Control):
(Default: ON)
Set to "ON" to compress the range between soft and loud sounds.

DRC | ON ↔ OFF
DOWN SAMPLING | ON ON
DOLBY DIGITAL | BITSTREAM BITSTREAM
ENTER

DOWN SAMPLING:
(Default: ON)
Set to "ON" when outputting in 48 kHz.
Set to "OFF" when outputting the original sound.

DRC | ON ON
DOWN SAMPLING | ON ↔ OFF
DOLBY DIGITAL | BITSTREAM BITSTREAM
ENTER

DOLBY DIGITAL: QUICK
(Default: BITSTREAM)
Set to "BITSTREAM" when the unit is connected to a Dolby Digital receiver.
• BITSTREAM: Outputs a Dolby Digital Signals.
• PCM: Convert the Dolby Digital into PCM (2 channel).

DRC | ON ON
DOWN SAMPLING | ON ON
DOLBY DIGITAL | BITSTREAM ↔ PCM
ENTER

6 To exit the menu
SETUP

Hint

DRC:
• This function is available only on the discs which are recorded in the Dolby Digital format.

DOWN SAMPLING:
• When playing disc with copyright Protection, the sound will be down sampled at 48kHz, even if you set to OFF.
• **This function is available only on digital outputting of a disc recorded in 96kHz.**

DVD Functions

D | PARENTAL Setting

Parental Control limits the disc viewing that exceed your settings. (An incorrect password will not play.)
This feature prevents your children from viewing inappropriate materials.

Parental Levels

Parental Level allows you to set the rating levels of your DVD discs. Playback will stop if the ratings exceed the levels you set.
Follow the steps 1) to 3) in the "CUSTOM Menu" section on page 20.

4 Enter your desired four-digit password (except for 4737).

PARENTAL menu

```
SETUP        PARENTAL
PASSWORD
Please enter a 4-digit password.
   □ □ □ □
```

············· or ·············

If you have set a password already, enter the current four-digit password.

```
SETUP        PARENTAL
PASSWORD
Enter current password.
   □ □ □ □
```

5 Select "PARENTAL LEVEL".

ENTER

```
PARENTAL LEVEL    ALL
PASSWORD CHANGE
```

6 Select the desired level.

ENTER

```
PARENTAL LEVEL
ALL
8
7 [NC-17]
6 [R]
```

7 To exit the menu

SETUP

ENTER

CONTROL LEVELS
- ALL: All parental locks are cancelled.
- Level 8: DVD softwares of any grades (adult/general/children) can be played back.
- Levels 7 to 2: Only DVD softwares intended for general use and children can be played back.
- Level 1: Only DVD softwares intended for children can be played back, with those intended for adult and general use prohibited.

TIPS FOR LEVELS
- 7 [NC-17]: No one under 17 admitted
- 6 [R]: Restricted; under 17 requires accompanying parent or adult guardian
- 4 [PG13]: Unsuitable for children under 13
- 3 [PG]: Parental Guidance suggested
- 1 [G]: General Audience

Hint

- DVD-Video discs may not respond to the parental lock settings. Make sure this function works with your DVD-Video discs.

To Change the Password for Parental Controls

You can change your password for parental controls. Follow the steps 1) to 3) in the "CUSTOM Menu" section on page 20.

4 Enter your desired four-digit password (except for 4737).

PARENTAL menu

```
SETUP        PARENTAL
PASSWORD
Enter current password.
   □ □ □ □
```
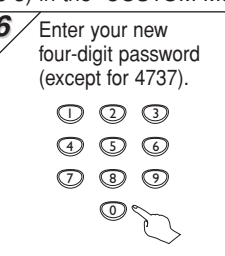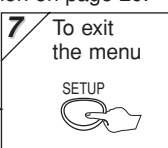
5 Select "PASSWORD CHANGE".

ENTER

```
PARENTAL LEVEL    ALL
PASSWORD CHANGE
```

6 Enter your new four-digit password (except for 4737).

ENTER

```
SETUP        PARENTAL
PASSWORD
Please enter a 4-digit password.
   □ □ □ □
```

7 To exit the menu

SETUP

Hint

- Record the password in case you forget it.
- If you forget the password, hit **[4]**, **[7]**, **[3]**, **[7]** at step 4), then enter your new password.
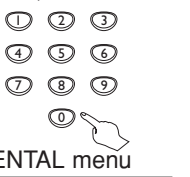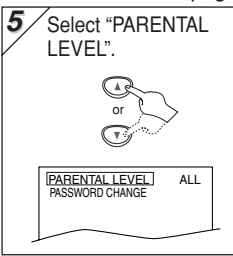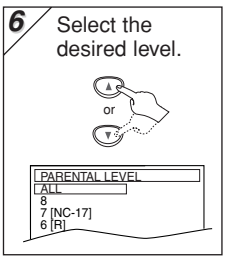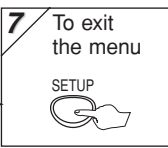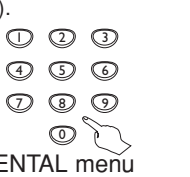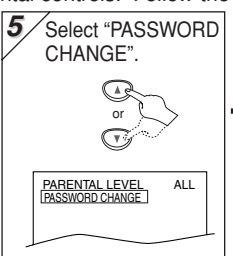- Password will be cleared and parental levels will be set to "ALL".

E | OTHERS Setting
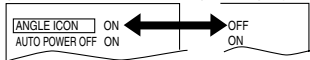
You can change the other functions. Follow the steps 1) to 3) in the "CUSTOM Menu" section on page 20.

4 Select the desired item.

or

OTHERS menu

```
SETUP        OTHERS
ANGLE ICON        ON
AUTO POWER OFF    ON
```
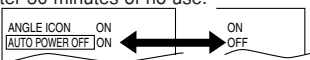
5

ANGLE ICON:
(Default: ON)
Set to "ON" to show the angle icon when multiple camera angles are available during DVD playback.

```
ANGLE ICON      ON  ⟷  OFF
AUTO POWER OFF  ON      ON
```

ENTER

AUTO POWER OFF:
(Default: ON)
Set to "ON" to turn this unit off automatically after 30 minutes of no use.

```
ANGLE ICON      ON      ON
AUTO POWER OFF  ON  ⟷  OFF
```

ENTER

6 To exit the menu

SETUP

DVD Functions

Reset to the Default Setting (Except for PARENTAL Setting)

1 STOP → SETUP

<SETUP MENU>

```
SETUP
QUICK
CUSTOM
INITIALIZE
```

2 ▲ or ▼ / ENTER

Select "INITIALIZE".

```
SETUP
QUICK
CUSTOM
INITIALIZE
```

3 ▲ or ▼ / ENTER

Select "YES".

Hit twice.

```
SETUP        INITIALIZE
Initialize?
NO
YES
```

4 To exit the menu

SETUP

Hint

• When you cancel to initialize at step 3),select "NO".
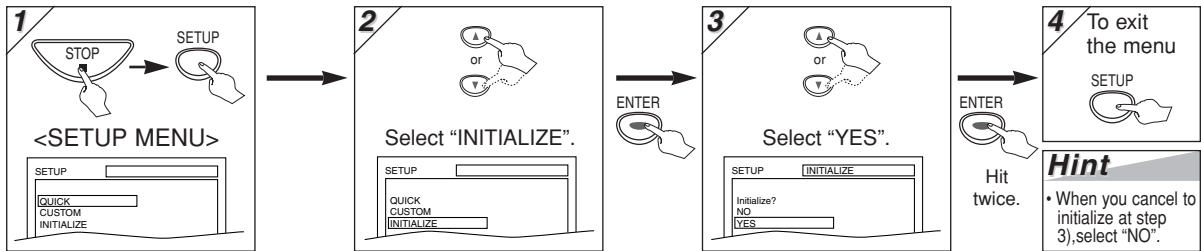
Information

Troubleshooting Guide

If this unit does not perform properly when operated as instructed in this Owner's Manual, check this unit consulting the following checklist.

	PROBLEM	CORRECTIVE ACTION
DVD DVCR	No power.	• Make sure the power plug is connected to an AC outlet. • Make sure the power is turned on.
	This unit does not respond to the remote control.	• 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 control. • You have to be within 23 feet of this unit. • Check if the right mode is selected. If it's not in the right mode, press **[DVD]** or **[VCR]**, whichever you need, on the remote control. • Check if a cassette tape is in this unit. • Tune your radio to an empty AM station so that you hear a lot of noises. Turn the volume up, then. If you hear some signal sound from the radio in response to your pressing buttons on the remote control, the remote control is working.
	Poor picture or noise	• Interference signal may be received. Change the position and orientation of the unit.
VCR	Timer recording is impossible.	• Make sure the Timer Recording is set correctly. • Make sure ⏲ appears on the front panel display. If not, hit **[SUBTITLE/T-SET]**. • Make sure the VCR clock is set correctly.
	Cannot go into record mode.	• Make sure the tape has a safety tab. If needed, cover the hole with adhesive tape. • Activate this unit in VCR mode. Hit **[VCR]** on the remote control so that the VCR OUTPUT light is lit.
	Playback picture is partially noisy.	• Adjust tracking control for a better picture by pressing **[CHANNEL ▼/▲]** on the unit or **[SKIP/CH. ▶▶/▲ ◀◀/▼]** on the remote control.
	Cannot view a tape but the audio is OK.	• Head cleaning may be necessary. Refer to "AUTO HEAD CLEANING". • Make sure the VCR is not in the Menu mode.
	No, or poor, playback picture.	• Change the RF output channel to CH4. Then select the same channel on the TV. • Fine tune your TV.
	TV programs cannot be seen normally.	• Re-check the ANT-IN and ANT-OUT connections. See pages 1 and 6. • Hit **[VCR]**. • Hit **[VCR]** on the remote control to activate it in the VCR mode. Check if the VCR OUTPUT light is lit, then set it to the TV position by hitting **[VCR]**.
	Video or color fades in and out when making a copy of a video tape.	• You cannot copy a copyrighted video tape. You are experiencing copy guard protection.
	Cannot remove the tape.	• Check if this unit is in the VCR mode. If not, hit **[VCR]** on the remote control to switch the mode.
DVD	No picture.	• Connect the video cables firmly. • Insert a correct video disc that plays on this unit. • Hit **[DVD]** on the remote control. Check if the DVD OUTPUT light is lit. Then try other DVD features. • Check if the INTERLACE/PROGRESSIVE mode is set correctly according to your TV. See page 7.
	Disc cannot be played.	• Insert the disc. • Clean the disc. • Place the disc correctly with the label side up. • Cancel the parental lock or change the control levels. • Handle a disc with special care so that it does not have fingerprints, scratches, or dusts on its surface.
	No sound.	• Connect the audio cables firmly. • Turn the power of the audio component on. • Correct the audio output settings. • Correct the input settings on the audio component.
	No DTS audio is output.	• This unit does not support DTS audio. This is not a malfunction.
	Distorted picture.	• Connect this unit directly to the TV. • There are some cases where pictures may be slightly distorted, and those are not a sign of a malfunction. • Although pictures may stop for a moment, this is not a malfunction.
	Audio or subtitle language does not match the set up.	• The selected language is not available for audio or subtitles on the DVD. This is not a malfunction.
	The camera angle cannot be changed.	• The DVD does not contain sequences recorded from different camera angles. This is not a malfunction.
	Audio or subtitle language cannot be changed.	• The DVD does not contain audio source or subtitles in the selected language. This is not a malfunction.
	"Prohibited icon" appears on the screen, prohibiting an operation.	• That operation is prohibited by this unit or the disc. This is not a malfunction.

• Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.
• Playback from a desired track and random playback are not available during program playback.
• Some functions are prohibited on some discs.

Information

Specifications

Video Heads :
  Four Heads
Output signal format :
  NTSC color
Power source :
  120 V AC +/- 10%, 60 Hz +/- 0.5%
Power consumption :
  21 W (standby: 3.8W)

Operating temperature :
  41°F (5°C) to 104°F (40°C)
Dimensions :
  W : 17-3/16″(435mm)
  H : 3-3/4″ (94mm)
  D : 9-3/16″ (233mm)
Weight :
  Approx 6lbs (2.7kg)

• Designs and specifications are subject to change without notice.
• If there is a discrepancy between languages, the default language will be English.

Language List

Language	Code	Language	Code	Language	Code	Language	Code
A-B		French [FRE]	5264	Macedonian	5957	Siswat	6565
Abkhazian	4748	Frisian	5271	Malagasy	5953	Slovak	6557
Afar	4747	Galician	5358	Malay	5965	Slovenian	6558
Afrikaans	4752	Georgian	5747	Malayalam	5958	Somali	6561
Albanian	6563	German [GER]	5051	Maltese	5966	Spanish [SPA]	5165
Amharic	4759	Greek [GRE]	5158	Maori	5955	Sundanese	6567
Arabic	4764	Greenlandic	5758	Marathi	5964	Swahili	6569
Armenian	5471	Guarani	5360	Moldavian	5961	Swedish [SWE]	6568
Assamese	4765	Gujarati	5367	Mongolian	5960	**T**	
Aymara	4771	Hausa	5447	Nauru	6047	Tagalog	6658
Azerbaijani	4772	Hebrew	5569	Nepali	6051	Tajik	6653
Bashkir	4847	Hindi	5455	Norwegian [NOR]	6061	Tamil	6647
Basque	5167	Hungarian [HUN]	5467	**O-R**		Tatar	6666
Bengali;Bangla	4860	**I-K**		Occitan	6149	Telugu	6651
Bhutani	5072	Icelandic [ICE]	5565	Oriya	6164	Thai	6654
Bihari	4854	Indonesian	5560	Oromo(Afan)	6159	Tibetan	4861
Bislama	4855	Interlingua	5547	Panjabi	6247	Tigrinya	6655
Breton	4864	Interlingue	5551	Pashto;Pushto	6265	Tonga	6661
Bulgarian	4853	Inupiak	5557	Persian	5247	Tsonga	6665
Burmese	5971	Irish [IRI]	5347	Polish	6258	Turkish [TUR]	6664
Byelorussian	4851	Italian [ITA]	5566	Portuguese [POR]	6266	Turkmen	6657
C-E		Japanese [JPN]	5647	Quechua	6367	Twi	6669
Cambodian	5759	Javanese	5669	Rhaeto-Romance	6459	**U-Z**	
Catalan	4947	Kannada	5760	Romanian [RUM]	6461	Ukrainian	6757
Chinese [CHI]	7254	Kashmiri	5765	Russian [RUS]	6467	Urdu	6764
Corsican	4961	Kazakh	5757	**S**		Uzbek	6772
Croatian	5464	Kinyarwanda	6469	Samoan	6559	Vietnamese	6855
Czech	4965	Kirghiz	5771	Sangho	6553	Volapuk	6861
Danish [DAN]	5047	Kirundi	6460	Sanskrit	6547	Welsh	4971
Dutch [DUT]	6058	Korean [KOR]	5761	Scots Gaelic	5350	Wolof	6961
English [ENG]	5160	Kurdish	5767	Serbian	6564	Xhosa	7054
Esperanto	5161	**L-N**		Serbo-Croatian	6554	Yiddish	5655
Estonian	5166	Laothian	5861	Sesotho	6566	Yoruba	7161
F-H		Latin	5847	Setswana	6660	Zulu	7267
Faroese	5261	Latvian;Lettish	5868	Shona	6560		
Fiji	5256	Lingala	5860	Sindhi	6550		
Finnish [FIN]	5255	Lithuanian	5866	Singhalese	6555		

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on page 19. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

SYLVANIA LIMITED WARRANTY

FUNAI CORP. will repair this SYLVANIA product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:
PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.
LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS:
This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This SYLVANIA Limited warranty does not apply to any product not purchased and used in the United States.

This product is produced for home use and this warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP., or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI, ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES. ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY A FUNAI AUTHORIZED SERVICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO FUNAI AUTHORIZED SERVICE FACILITY.

IMPORTANT:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:
FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.
To locate your nearest SYLVANIA Authorized Service Center or for general service procedure, please call or write to the following:

FUNAI CORPORATION, INC.
SERVICE CENTER
19900 Van Ness Avenue, Torrance, CA 90501
Tel :1-800-968-3429
http://www.funai-corp.com
Head Office: 100 North Street, Teterboro, NJ 07608
PLEASE DO NOT SHIP YOUR UNIT TO THE TETERBORO ADDRESS.

Information

EN

Español

1 Conexiones

Consulte la "Basic TV Connection" en la página delantera antes de utilizar esta unidad.

Canal de salida RF

Si el canal 3 se está utilizando para una transmisión.

1) Programe su televisor al canal 4.
2) Inserte una cinta pregrabada en esta unidad.
3) Pulse **[OUTPUT]** en la unidad para que se encienda la luz VCR OUTPUT.
 • Si no se enciende la luz "VCR" en la pantalla de esta unidad, pulse **[VCR]** en el mando a distancia.
4) Pulse una vez **[PLAY ▶]**.
5) Después de unos segundos, pulse **[PLAY ▶]** en la unidad durante 3 segundos.
 • El canal de salida RF cambiará del canal 3 al canal 4 y podrá ver una imagen reproducida.
 • Cuando no aparezca una imagen en la pantalla del televisor, repita el paso 4).
6) Pulse **[STOP ■]** para parar la reproducción.

2 Instalación de las pilas del control remoto

① ② ③

3 Conmutación VCR/DVD

Botón VCR
Botón DVD

OUTPUT
VCR   DVD
Luz DVD OUTPUT
Botón OUTPUT
Luz VCR OUTPUT
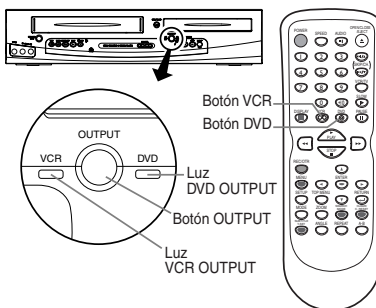
MODO VCR

Pulse **[VCR]** en el control remoto.
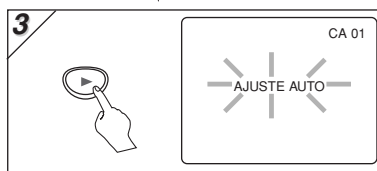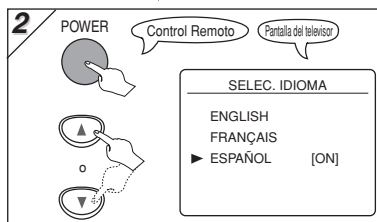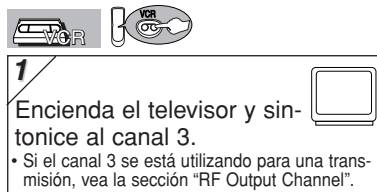(Compruebe que está encendida la luz VCR OUTPUT.)

MODO DVD

Pulse **[DVD]** en el control remoto.
(Compruebe que está encendida la luz DVD OUTPUT.)

Consejo

• Si pulsa sólo **[OUTPUT]** en el panel frontal NO cambia el modo del control remoto. DEBE seleccionar también el modo correcto en el control remoto.

4 Activación de la unidad por primera vez

1
Encienda el televisor y sintonice al canal 3.
• Si el canal 3 se está utilizando para una transmisión, vea la sección "RF Output Channel".

2
POWER   Control Remoto   Pantalla del televisor

SELEC. IDIOMA
ENGLISH
FRANÇAIS
► ESPAÑOL   [ON]

3
CA 01
AJUSTE AUTO

Conecta el cable de la caja de canales de cable o la caja de satélite en la toma ANT-IN de la unidad?
SI

Si Pulse **[MENU]** para salir.

NO

No Espere unos minutos.
Después del escaneo
• El sintonizador se detiene en el canal memorizado más bajo.
• Puede seleccionar sólo los canales memorizados en esta unidad con **[SKIP/CH. ▶▶I/▲ I◀◀/▼]** (o **[CHANNEL ▲/▼]**).
• Si aparece nuevamente "AJUSTE AUTO" en la pantalla de TV, verifique las conexiones de cable. Presione nuevamente **[▶]**.

5 Ajuste del reloj

1
MENU
- M E N U -
PROGRAMAR
AUTOREPETIR [OFF]
AJUSTE CANAL
► AJUSTE DE RELOJ
SELEC. IDIOMA
SALIDA DEL AUDIO
TV ESTEREO   [ON]
SAP

• Si no se ha ajustado el reloj, aparece la pantalla AJUSTE DE RELOJ cuando pulse **[MENU]**. En este caso, vaya al paso 2).

2
AJUSTE DE RELOJ
MES   DIA   AÑO
1 / --   ----
HORA MINUTO   AM/PM
-- : --   --
Seleccione el mes actual.

3
AJUSTE DE RELOJ
MES   DIA   AÑO
10 / 03   ----
HORA MINUTO   AM/PM
-- : --   --
Seleccione el día actual.

4
AJUSTE DE RELOJ
MES   DIA   AÑO
10 / 03   2005
HORA MINUTO   AM/PM
-- : --   --
Seleccione el año actual.

5
AJUSTE DE RELOJ
MES   DIA   AÑO
10 / 03 LUN 2005
HORA MINUTO   AM/PM
05 : --   --
Seleccione la hora actual.

6
AJUSTE DE RELOJ
MES   DIA   AÑO
10 / 03 LUN 2005
HORA MINUTO   AM/PM
05 : 40   --
Seleccione los minutos actuales.

7
AJUSTE DE RELOJ
MES   DIA   AÑO
10 / 03 LUN 2005
HORA MINUTO   AM/PM
05 : 40   PM→AM
► PM
Seleccione "AM" o "PM".

8 Para salir de la pantalla AJUSTE DE RELOJ

Español

Español

6 Reproducción de la grabadora de vídeo

Antes: Encienda el televisor y cambie al canal 3.
• Si el canal 3 se está utilizando para una transmisión, vea la sección "Canal de salida RF".

1

2 Para empezar la reproducción
PLAY

3 Para parar la reproducción
STOP

4 Para expulsar
OPEN/CLOSE /EJECT
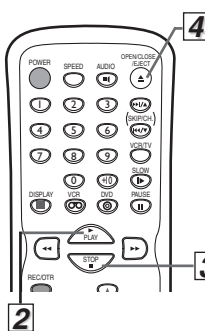
7 Reproducción de DVD/CD

Antes: Encienda el televisor, amplificador y otros equipos que puedan estar conectados a esta unidad. Asegúrese que el televisor y el sintoamplificador de audio (de venta en los comercios) están en el canal correcto.

1 POWER → OPEN/CLOSE /EJECT

2 Ponga un disco con la etiqueta hacia arriba.

3 Para empezar la reproducción
PLAY

4 Para parar la reproducción
STOP

8 Control remoto

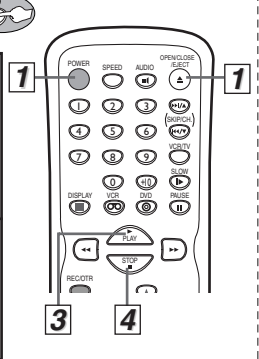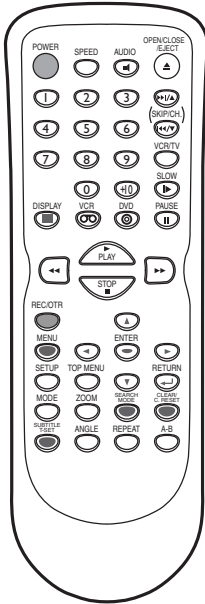| Botón (Orden alfabético)	Modo DVD DVD-V	Modo DVD CD MP3	Modo de grabadora de vídeo VCR
1 2 3 4 5 6 7 8 9 0 +10	• Para seleccionar directamente el capítulo o el título.	• Para seleccionar directamente la canción.	• Para seleccionar el canal. • El botón +10 no tiene efecto en el modo de grabadora de vídeo.
◄◄ ►►	• Para buscar en avance/retroceso en un disco. • Para empezar la reproducción en avance/retroceso lento durante el modo de pausa.	• Para buscar en avance/retroceso en un disco.	• Para el avance/retroceso de una cinta.
ENTER ▲ ◄ ► ▼	• Para mover el cursor y determinar su posición.	• Para mover el cursor y determinar su posición.	• Para seleccionar un ítem en el menú de la grabadora de vídeo. • Para avanzar al siguiente menú de la grabadora de vídeo. • Para volver un paso durante el ajuste del reloj y temporizador.
A-B	• Para repetir entre los puntos A y B elegidos	• Para repetir entre los puntos A y B elegidos (CD)	—
ANGLE	• Para seleccionar los ángulos de la cámara en un disco.	—	—
AUDIO	• Para seleccionar el idioma de audio en un disco.	• Para seleccionar ESTÉREO, L-ch o R-ch (CD)	—
CLEAR/ C.RESET	• Para borrar los marcadores. • Para borrar los números entrados incorrectamente. • Para borrar el punto para la repetición A-B.	• Para borrar los marcadores. (CD) • Para retirar el Nº de estado en la entrada de programa. • Para borrar los números entrados incorrectamente. • Para borrar el punto para la repetición A-B. (CD)	• Para salir del menú de la grabadora de vídeo. • Para reponer el contador de cinta.
DISPLAY	• Para indicar el modo de disco actual.	• Para indicar el modo de disco actual.	• Para indicar la hora actual, contador de cinta y canal.
DVD	• Para seleccionar el modo de salida de DVD. • Para activar el mando a distancia en el modo DVD.	• Para seleccionar el modo de salida de DVD. • Para activar el mando a distancia en el modo DVD.	—
MENU	• Para llamar el menu en un disco.	• Para llamar la lista de archivo (MP3)	• Para llamar el menú de la grabadora de vídeo.
MODE	• Para activar/desactivar el nivel del negro. • Para activar/desactivar el envolvente virtual.	• Para disponer el orden de reproducción o la reproducción aleatoria. • Para activar/desactivar el envolvente virtual.	—
OPEN/CLOSE /EJECT	• Para abrir o cerrar la bandeja del disco.	• Para abrir o cerrar la bandeja del disco.	• Para expulsar el videocasete de la grabadora de vídeo.
PAUSE	• Para hacer una pausa de reproducción del disco. • Para avanzar la reproducción un cuadro a la vez.	• Para hacer una pausa en la reproducción del disco.	• Para hacer una pausa de la reproducción o grabación de la cinta. • Para avanzar la reproducción un cuadro a la vez.
PLAY	• Para empezar la reproducción del disco.	• Para empezar la reproducción del disco.	• Para empezar la reproducción de la cinta.
POWER	• Para encender o apagar la unidad.	• Para encender o apagar la unidad.	• Para encender o apagar la unidad.
REC/OTR	—	—	• Para empezar una grabación o una grabación de un toque.
REPEAT	• Para reproducir repetidamente un capítulo o título.	• Para reproducir repetidamente una canción o disco (CD) • Para reproducir repetidamente una canción, grupo o disco (MP3).	—
RETURN	• Para volver a la operación previa en el menú.	• Para volver a la operación previa en el menú.	—
SEARCH MODE	• Para buscar un capítulo, título u hora. • Para colocar o buscar los marcadores.	• Para buscar una canción. • Para buscar la hora (CD) • Para colocar o buscar los marcadores.(CD)	• Para llamar el menú de búsqueda de índice u hora.
SETUP	• Para llamar el menú de programación de DVD.	• Para llamar el menú de programación de DVD.	—
SKIP/CH. ►►I/▲ SKIP/CH. I◄◄/▼	• Para saltar capítulos	• Para saltar canciones.	• Para cambiar de canal. • Para ajustar manualmente el seguimiento durante la reproducción.
SLOW	—	—	• Para ver la cinta en cámara lenta.
SPEED	—	—	• Para seleccionar la velocidad de grabación.
STOP	• Para parar la reproducción.	• Para parar la reproducción.	• Para parar la reproducción o grabación.
SUBTITLE T-SET	• Para seleccionar subtítulos en un disco.	—	• Para poner la grabadora de vídeo en el modo de espera para una grabación con temporizador.
TOP MENU	• Para llamar el menú superior en un disco.	• Para volver al archivo superior de la jerarquía más alta en el programa y en la lista de archivo. (MP3)	—
VCR	—	—	• Para seleccionar el modo de salida de la grabadora de vídeo. • Para activar el mando a distancia en el modo de la grabadora de vídeo.
VCR/TV	• Para seleccionar la posición de DVD o posición del televisor.	• Para seleccionar la posición de CD/MP3 o la posición del televisor.	• Para seleccionar la posición de la grabadora de vídeo o posición del televisor.
ZOOM	• Para ampliar parte de la imagen. (x2/x4)	—	—

ES

Español

Quick Use Guide

1 Connections

Please refer to "Basic TV Connection" on the front page before you use this unit.

RF Output Channel

If channel 3 is already occupied for broadcasting,

1) Set your TV to channel 4.
2) Insert a pre-recorded tape into this unit.
3) Hit **[OUTPUT]** on the unit so that the VCR OUTPUT light is lit.
   • If "VCR" light does not appear on the display of this unit, hit **[VCR/TV]** on the remote control.
4) Hit **[PLAY ▶]** once.
5) After a few seconds, hit **[PLAY ▶]** on the unit for 3 seconds.
   • The RF output channel will change to channel 4 from channel 3 and you will see a playback picture.
   • When a picture does not appear on the TV screen, repeat step 4).
6) Hit **[STOP ■]** to stop playback.

2 Installing the Batteries for the Remote Control

① ② ③

3 VCR/DVD Switching
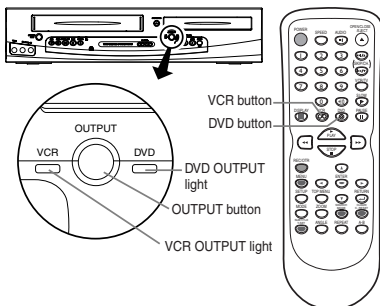
OUTPUT
VCR   DVD

VCR button
DVD button
DVD OUTPUT light
OUTPUT button
VCR OUTPUT light

VCR MODE

Hit **[VCR]** on the remote control.
(Verify that the VCR OUTPUT light is lit.)

DVD MODE

Hit **[DVD]** on the remote control.
(Verify that the DVD OUTPUT light is lit.)

Hint

• Hitting only **[OUTPUT]** on the front panel DOES NOT switch the mode of the remote control. You MUST select the correct mode on the remote control.

4 Turn on the unit for the first time

1
Turn on the TV and set it to channel 3.
• If channel 3 is already occupied for broadcasting, see "RF Output Channel" section.

2
POWER   Remote Control   TV Screen

LANGUAGE SELECT
► ENGLISH   [ON]
  FRANÇAIS
  ESPAÑOL

3
CH 01
AUTO SET UP

Do you connect the cable from the cable box or the satellite box to the unit's ANT-IN jack?

Yes Hit **[MENU]** to exit.

No Please wait for a few minutes.
After scanning...

• The tuner stops on the lowest memorized channel.
• You can select only the channels memorized in this unit by using **[SKIP/CH. ▶▶/▲ ◀◀/▼]** (or **[CHANNEL ▲/▼]**).
• If "AUTO SET UP" appears on the TV screen again, check the cable connections. Then, hit **[▶]** once again.

5 Clock Set Up

1
MENU

- M E N U -
TIMER PROGRAMMING
AUTO REPEAT [OFF]
CHANNEL SET UP
► CLOCK SET
LANGUAGE SELECT
AUDIO OUT
TV STEREO   [ON]
SAP

• If the clock is not set, the CLOCK SET screen appears when you hit **[MENU]**. In this case, go to step 2).

2
CLOCK SET
MONTH DAY   YEAR
1 / --   ----
HOUR MINUTE   AM/PM
-- : --
Select the current month.

3
CLOCK SET
MONTH DAY   YEAR
10 / 03   ----
HOUR MINUTE   AM/PM
-- : --   --
Select the current day.

4
CLOCK SET
MONTH DAY   YEAR
10 / 03   2005
HOUR MINUTE   AM/PM
-- : --   --
Select the current year.

5
CLOCK SET
MONTH DAY   YEAR
10 / 03 MON 2005
HOUR MINUTE   AM/PM
05 : --   --
Select the current hour.

6
CLOCK SET
MONTH DAY   YEAR
10 / 03 MON 2005
HOUR MINUTE   AM/PM
05 : 40   --
Select the current minute.

7
CLOCK SET
MONTH DAY   YEAR
10 / 03 MON 2005
HOUR MINUTE   AM/PM
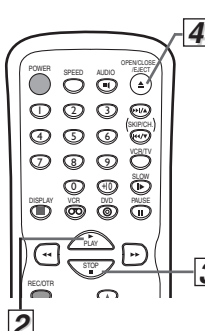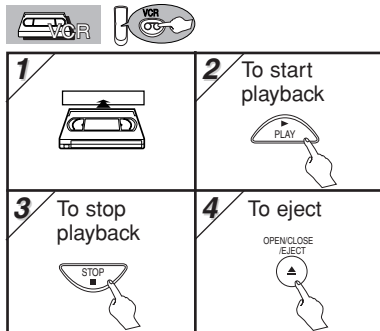05 : 40   P M AM
                ► PM
Select "AM" or "PM".

8 To exit the CLOCK SET screen
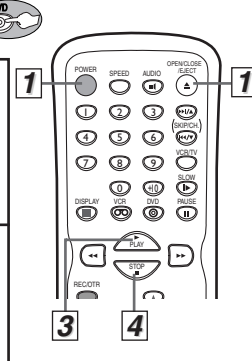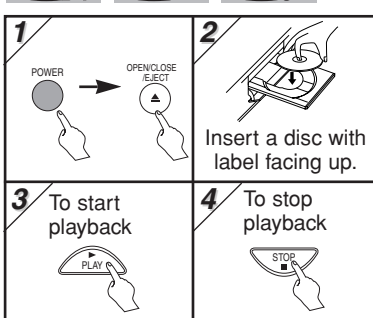
Quick Use Guide

6 VCR Playback

Before: Turn on the TV and set it to channel 3.
• If channel 3 is already occupied for broadcasting, see "RF Output Channel" section.

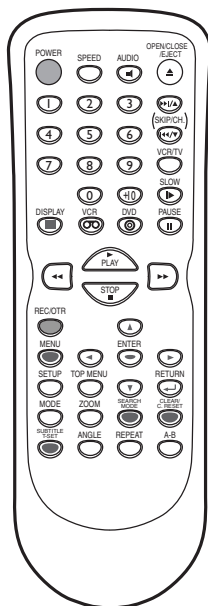|		
1	**2** To start playback ► PLAY	**4**
3 To stop playback STOP ■	**4** To eject OPEN/CLOSE /EJECT ▲	**3** **2**

7 DVD/CD Playback

Before: Turn on the TV, amplifier and any other components which are connected to this unit. Make sure the TV and audio receiver (commercially available) are set to the correct channel.

1 POWER → OPEN/CLOSE /EJECT ▲	**2** Insert a disc with label facing up.
3 To start playback ► PLAY	**4** To stop playback STOP ■

1 ... **1** ... **3** ... **4**

8 Remote Control

Button (Alphabetical order) Disc/Tape	DVD mode		VCR mode
	DVD-V	CD / MP3	VCR
1 2 3 / 4 5 6 / 7 8 9 / 0 +10	• To select chapter or title directly.	• To select track directly.	• To select channel. • The +10 button has no effect in VCR mode.
◄◄ ►►	• To search forward/backward through a disc. • To begin slow forward/reverse playback during the pause mode.	• To search forward/backward through a disc.	• To forward/backward a tape.
▲ ENTER ◄ ► ▼	• To move the cursor and determine its position.	• To move the cursor and determine its position.	• To select an item on the VCR Menu. • To advance to the next VCR Menu. • To go back one step during clock and timer setting.
A-B	• To repeat between your chosen point A and B.	• To repeat between your chosen point A and B. (CD)	____
ANGLE	• To select camera angles on a disc.	____	____
AUDIO	• To select audio languages on a disc.	• To select STEREO, L-ch or R-ch. (CD)	____
CLEAR/ C.RESET	• To clear the markers. • To clear the numbers. entered incorrectly. • To cancel the point for A-B repeat.	• To clear the markers. (CD) • To remove status number in program input. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.(CD)	• To exit the VCR Menu. • To reset the tape counter.
DISPLAY	• To display the current disc mode.	• To display the current disc mode.	• To display the current time, tape counter, and channel.
DVD	• To select the DVD output mode. • To activate the remote control in DVD mode.	• To select the DVD output mode. • To activate the remote control in DVD mode.	____
MENU	• To call up the Menu on a disc.	• To call up the file list. (MP3)	• To call up the VCR Menu.
MODE	• To set black level on/off. • To set virtual surround on/off.	• To arrange the playing order or play randomly. • To set virtual surround on/off.	____
OPEN/CLOSE /EJECT	• To open or close the disc tray.	• To open or close the disc tray.	• To eject the video cassette from the VCR.
PAUSE	• To pause disc playback. • To advance playback one frame at a time.	• To pause disc playback.	• To pause tape playback or recording. • To advance playback one frame at a time.
PLAY	• To begin disc playback.	• To begin disc playback.	• To begin tape playback.
POWER	• To turn the unit on or off.	• To turn the unit on or off.	• To turn the unit on or off.
REC/OTR	____	____	• To start a recording or One Touch Recording.
REPEAT	• To play a chapter or title repeatedly.	• To play a track or disc repeatedly. (CD) • To play a track, group or disc repeatedly. (MP3)	____
RETURN	• To return to the previous operation in menu.	• To return to the previous operation in menu.	____
SEARCH MODE	• To search chapter, title or time. • To set or search the markers.	• To search track. • To search time. (CD) • To set or search the markers. (CD)	• To call up the index or time search menu.
SETUP	• To call up the DVD setup menu.	• To call up the DVD setup menu.	____
SKIP/CH. SKIP/CH.	• To skip chapters.	• To skip tracks.	• To change channels. • To adjust the tracking manually during playback.
SLOW	____	____	• To view the tape in slow motion.
SPEED	____	____	• To select the recording speed.
STOP	• To stop playback.	• To stop playback.	• To stop playback or recording.
SUBTITLE T-SET	• To select subtitles on a disc.	____	• To put the VCR into standby mode for a Timer Recording.
TOP MENU	• To call up the Top Menu on a disc.	• To return to the top file of the highest hierarchy in the program and file list. (MP3)	____
VCR	____	____	• To select the VCR output mode. • To activate the remote control in VCR mode.
VCR/TV	• To select DVD position or TV position.	• To select CD/MP3 position or TV position.	• To select VCR position or TV position.
ZOOM	• To magnify part of a picture. (x2/x4)	____	____

Printed in China

1VMN20415 / H9802UD ★★★★

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com