# KENWO0D

**DVD RECEIVER** 

# DVR-505 DVR-7000

# **INSTRUCTION MANUAL**

KENWOOD CORPORATION













DVR-505/DVR-7000 (EN)

# Before applying power

o Caution : Read this page carefully to ensure safe operation.

# For the United Kingdom

#### Factory fitted moulded mains plug

- 1. The mains plug contains a fuse. For replacement, use only a 3-Amp ASTA-approved (BS 1362) fuse.
- 2. The fuse cover must be refitted when replacing the fuse in the moulded plug.
- 3. Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach.

A power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer. If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent. Connection to the mains supply.

#### **IMPORTANT:**

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral Brown: Live

Do not connect those leads to the earth terminal of a three-pin plug.

# Safety precautions

# \*For other countries

#### AC voltage selection

This unit operates on 110-120 or 220-240 volts AC . The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

#### AC voltage selector switch



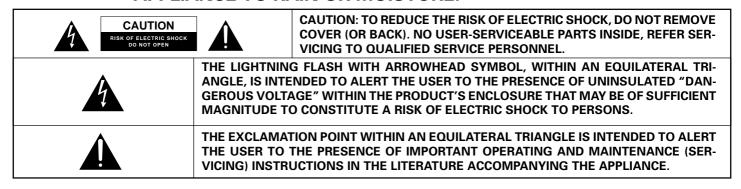
Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

#### Note:

Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

! Caution : Read this page carefully to ensure safe operation.

# **WARNING**: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



# The marking of products using lasers (Except for some areas)

CLASS 1 Laser product

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel

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### Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

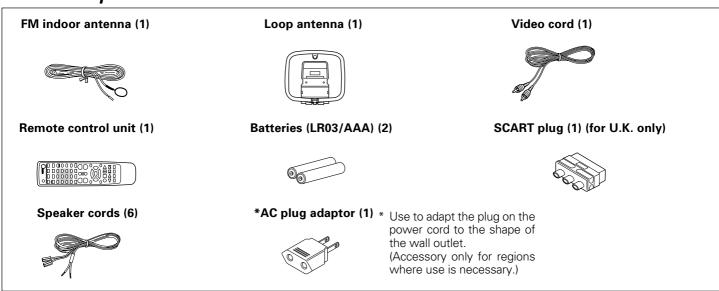
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Keep this manual handy for future reference.

# Accessories

Please confirm that the following accessories are present.

# Accessories packed with the main unit



# Speaker model names

System	Front speakers and surround speakers	Subwoofer		
DVR-505	KS-305DV (Left speaker, right speaker,	SW-15DV		
	center speaker and surround speakers)			
DVR-7000	KSW-7000 (Left speaker, right speaker, center speaker, surround speakers and subwoofer)			

# CHANNEL SPACE setting (Except for the U.S.A., Canada, U.K., Europe and Australia)

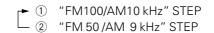
The space between radio channels has been set to the one that prevails in the area to which the system is shipped. However, if the current channel space setting does not match the setting in the area where the system is to be used, for instance when you move from area 1 or area 2 shown in the following table or vice versa, proper reception of AM/FM broadcasts cannot be expected. In this case, change the channel space setting in accordance with your area by referring to the following table.

	Area	CHANNEL SPACE frequency
1	USA, Canada and South American countries	FM : 100 kHz AM : 10 kHz
2	Other countries	FM: 50 kHz AM: 9 kHz

#### **Setting the CHANNEL SPACE**

- **1** Set the **POWER** key to standby (power off) mode.
- ② press the STOP key, the ►►I key and the I◄◄ key on main unit in this order.

Each operate step 2, switches the modes as follows.





# IMPORTANT SAFEGUARDS

DVR-505/DVR-7000 (EN)

Please read all of the safety and operating instructions before operating this appliance. Adhere to all warnings on the appliance and in the instruction manual. Follow all the safety and operating instructions. These safety and operating instructions should be retained for future reference.

- 1. Power sources The appliance should be connected to a power supply only of the type described in the instruction manual or as marked on the appliance. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For appliances intended to operate from battery power, or other sources, refer to the instruction manual.
- 2. 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, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.



- 3. CAUTION Polarization This appliance may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- **4. Ventilation** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The appliance should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a tablecloth on the appliance. Place the appliance at least 10 cm away from the walls.

Do not use the appliance on a bed, sofa, rug or similar surface that may block the ventilation openings. This appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

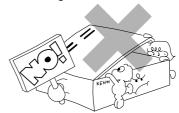


5. Water and moisture – The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

- **6. Temperature** The appliance may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat
- 8. Electric shock Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal objects, such as a hair pin or a needle, comes into contact with the inside of this appliance, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this appliance.



**9. Enclosure removal** – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



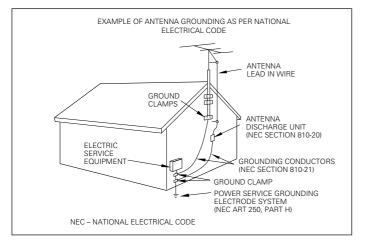
- 10.Magnetic fields Keep the appliance away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.
- **11.Cleaning** Unplug this appliance from the wall outlet before cleaning. Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.
- 12. Accessories Do not place this appliance on an unstable cart, stand, tripod, bracket, or table. The appliance 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 appliance. 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.



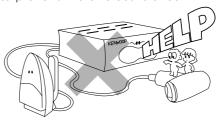
- 13. Lightning For added protection for this appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges.
- 14. Abnormal smell If an abnormal smell or smoke is detected, immediately turn the power OFF and unplug the appliance from the wall outlet. Contact your dealer or nearest service center.



- **15.Damage requiring service** The appliance should be serviced by qualified service personnel when:
  - **A.** The power-supply cord or the plug has been damaged.
  - **B.** Objects have fallen, or liquid has been spilled into the appliance.
  - **C.** The appliance has been exposed to rain or water.
  - **D.** The appliance does not appear to operate normally by following the instruction manual. Adjust only those controls that are covered by the instruction manual as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation.
  - **E.** The appliance has been dropped, or the enclosure damaged.
  - **F.** The appliance exhibits a marked change in performance.
- **16.Servicing** The user should not attempt to service the appliance beyond that described in the instruction manual. All other servicing should be referred to qualified service personnel.
- 17. Outdoor antenna grounding If an outside antenna is connected to the appliance, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code ANSI/NFPA 70, provides information with respect 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. See Figure.



- 18. 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.
- **19.AC outlets** Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical appliances, such as an iron or toaster, to it to prevent fire or electric shock.



- **20. Overloading** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- **21. Attachment** Do not use attachments not recommended by the appliance manufacturer as they may cause hazards.
- 22. Replacement parts—When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 23. Safety check Upon completion of any service or repairs to this appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operating condition.

#### Notes

- 1. Item 3 is not required except for grounded or polarized equipment.
- 2. Item 17 and 18 are not required except for units provided with antenna terminals.
- 3. Item 17 complies with UL in the U.S.A.

# Special features and Contents

DVR-505/DVR-7000 (EN)

# Special features

This document classifies the applications of each feature using the following marks

DESCRIPTION OF a feature that can be used with DVD.

(CD) : Description of a feature that can be used with CD.

**VCD**: Description of a feature that can be used with VCD.





**☞ | Higher audio quality than music CD** 

**☞** © Graphical user interface (GUI) compatibility

**W** Versatile DVD playback features

 $oldsymbol{\Phi}$   $oldsymbol{\Phi}$   $oldsymbol{\Phi}$  The DVR-505/DVR-7000 offers DTS decoder.

om 🚥 🚾 | Dolby Pro Logic II decoder.

# Reference

#### **Caution on condensation**

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside.

This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours with the power left ON, and restart the operation after the condensation has dried up.

# Be specially cautious against condensation in a following circumstance:

When this unit is carried from a place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

# **Note related to transportation and movement**Before transporting or moving this unit, carry out the following operations.

- **1** Remove the disc from the unit.
- ② Press the ►/II kev.

NO DISC

**3** Wait a few seconds and turn the unit OFF.

# Memory backup function

Stored contents which are cleared in at least a week after power plug is unplugged from power outlet.

Amplifier section
Last input selection
Volume control value
Surround setting
CINEMA EQUALIZER
B. BOOST

**Tuner section** 

Receiving band Frequency Preset stations

Tuning mode setting **DVD section** 

Menu setup

Power status

#### **WARNING NOTICE:**

IN MOST CASES IT IS AN INFRINGEMENT OF COPYRIGHT TO MAKE COPIES OF TAPES OR DISCS WITHOUT THE PERMISSION OF THE COPYRIGHT OWNERS. ANYONE WISHING TO COPY COMMERCIALLY AVAILABLE TAPES OR DISC SHOULD CONTACT THE MECHANICAL COPYRIGHT PROTECTION SOCIETY LIMITED OR THE PERFORMING RIGHTS SOCIETY LIMITED.

Preparations

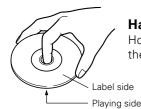
#### Maintenance of the Set

When the front panel, the case, etc. becomes dirty, wipe with a soft, dry cloth. Do not use thinner, alcohol, etc., as these can cause discoloration.

### In regard to contact cleaners

Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.

#### Disc handling precautions



Hold the discs so that you do not touch the playing surface.



Do not attach paper or tape to either the playing side or the label side of the discs.

### Cleaning



If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.

#### Storage

When a disc is not to be played for a long period of time, remove it from the player and store it in

#### Never play a cracked or warped disc

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Please do not use discs which are not round because they may cause a malfunction.

#### Sticky paste Disc accessories

The disc accessories (stabilizer, protection sheet, protection ring, etc.) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

#### For the U.S.A.

#### **CAUTION:**

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

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

**KENWOOD CORPORATION** 2967-3, ISHIKAWA-CHO, HACHIOJI-SHI, TOKYO, JAPAN KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO **DHHS REGULATIONS NO. 21 CFR** 1040.10, CHAPTER 1, SUBCHAPTER J. Location: Back Panel

**CAUTION-**LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

Location: Laser Pick-up Unit Cover inside this product

#### For the U.S.A.

#### 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 instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

#### NOTE:

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 may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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# Types of playable discs

The system using this unit does not only play music from CD but can also play the discs listed below to offer you high-quality entertainment of video of movies and live concerts.

PI	Playable Disc DVD			С	VCD	
Logo mark on disc		VID	VIDEO S		COMPACT DIGITAL AUDIO	
	Disc size	8cm			12cm	12cm
PI	layed sides	One or both	One or both	One side only	One side only	One side only
Contents	Video + Audio	Approx. 41 min. (1 side, 1 layer) Approx. 75 min. (1 side, 2 layers) Approx. 82 min. (2 sides, 1 layer) Approx. 150 min. (2 sides, 2 layers)	Approx. 133 min. (1 side, 1 layer) Approx. 242 min. (1 side, 2 layers) Approx. 266 min. (2 sides, 1 layer) Approx. 484 min. (2 sides, 2 layers)			Max. 74 min.
	Audio			Max. 20 min., digital	Max. 74 min., digital	

# Unplayable discs

This player cannot play back any of the following discs.

- DVD-ROM discs
- DVD-R/DVD-RAM/DVD-RW discs
- VSD discs
- CDV discs (only the audio part can be reproduced.)
- CD-ROM discs (except MP3 (ISO 9660 level 1 format) disc.)
- CD-G/CD-EG/CD-EXTRA discs (only the audio can be reproduced.)
- Photo CD discs (never attempt to play them.)
- S-VCD discs

# Icons on the DVD discs

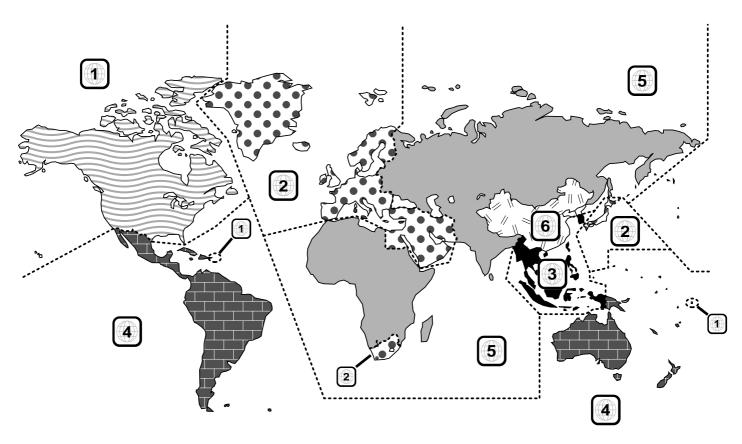
lcon	Description
ALL	Indicates the region code where the disc can be played.
3))	Number of voice languages recorded with the audio function. The number in the icon indicates the number of voice languages. (Max. 8 languages)
32	Number of subtitle languages recorded with the subtitle function. The number in the icon indicates the number of subtitle languages. (Max. 32 languages)
<u>Q</u>	Number of angles provided by the angle function. The number in the icon indicates the number of angles. (Max. 9 angles)
16:9 LB	Aspect ratios that can be selected. "LB" stands for Letter Box and "PS" for Pan/Scan. In the example on the left, the 16:9 video can be converted into letter box video.

Every player of this model has a certain region code assigned to it based on the country where the player is used. When the player is used to play back DVD discs, it can only play the DVD discs carrying the region codes matching the region code of the player.

The region code for this player is described on the rear panel of the player.

# Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



# Examples of TV screen display of each video format

# When your TV is switchable between PAL/

Try play a disc. If the picture is black and white or as shown on the right, stop playback and switch the screen display formats of this unit and the TV to another format. This will improve the played picture quality.





# When your TV is compatible only with the PAL format

With certain discs, the playback picture may have black spaces above and below it (as shown on the right). This is because the disc has been recorded in the NTSC format. The screen may be somewhat hard to see but this is not malfunction.



# When your TV is compatible only with the NTSC format

With certain discs, the playback picture may be cut above and below it (as shown on the right). This is because the disc has been recorded in the PAL format. The screen may be somewhat hard to see but this is not malfunction.



The video signals used to display TV pictures and video disc pictures are mainly based on two types of signal formats (PAL and NTSC), which are assigned to each country or area as shown on the right. As a result, it is required to select discs according to the video format used with your TV monitor (in your country or area).

#### TV formats of major countries

TV Format	Major Countries & Areas			
	Japan, Taiwan, Korea, U.S.A., Canada, Mexico,			
NTSC	Philippines, Chile, etc.			
5.4.	China, U.K., Germany, Australia, New Zealand,			
PAL	Kuwait, Singapore, etc.			

# Video formats of DVD discs that can be played on this unit

# Region code table

	District 0	District @-1	District @-2	District <b>@</b> -3	District <b>©</b>	District <b>@</b> -1	District <b>@</b> -2	District <b>9</b>	District @
Area or Country Name,	North America	Europe	Japan	Middle East	Southeast Asia	Oceania	South America	Russia	China
Region Code		2	2	2	3	4	4	5	6

Set the video formats of the DVD discs to be played on this unit as described below.

- **1** Check the video format(s) used by your TV monitor.
  - Refer to the operating instructions of your TV monitor for details.
- **2** Select DVD discs recorded with the playable video format by referring to the following table.

• See the region code table on this page for details on districts 10 to 15.

Your TV	Playable Disc Formats									
format	District <b>0</b>	District @-1	District <b>@</b> -2	District @-3	District <b>②</b>	District @-1	District <b>4</b> -2	District <b>6</b>	District @	
NTSC only	NTSC	NTSC PAL*	NTSC	NTSC PAL*	NTSC PAL*	NTSC PAL*	NTSC	NTSC PAL*	NTSC PAL*	
PAL only	NTSC*	NTSC* PAL	NTSC*	NTSC* PAL	NTSC* PAL	NTSC* PAL	NTSC*	NTSC* PAL	NTSC* PAL	
NTSC/PAL switchable	NTSC	NTSC PAL	NTSC	NTSC PAL	NTSC PAL	NTSC PAL	NTSC	NTSC PAL	NTSC PAL	



Normal video may not be reproduced when a disc recorded with the video format marked \* in the above table is played. See "Examples of TV screen display of each video format" for details.

# **3** When your TV is switchable between NTSC and PAL,

- Districts **1**, **2**-2 and **2**-2: Set the TV to **NTSC**.
- Districts **2**-1, **4**-1 and **5**: Set the TV to **PAL**.
- Districts **2**-3, **3** and **6**: Set the TV according to each disc to be played.

#### Restrictions due to difference between discs

Some DVD discs can be played only in certain playback modes according to the intentions of the software producers. As this player plays discs according to their intentions, some functions may not work as intended by you. Please be sure to read the instructions provided with each disc. When an inhibition icon is displayed on the TV screen connected to the player, it indicates that the disc being played is under the restriction as described above.

#### Inhibition icon



Preparations

Caution: Read this page carefully to ensure safe operation.

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Make connections as shown below.

When connecting the related system components, refer also to the instruction manuals of the related components.

#### Caution:

Do not plug in the power lead until all connections are completed.

#### Caution

Be sure to adhere followings. Or proper ventilation will be blocked causing damage or fire hazard.

- Do not place any objects impairing heat radiation onto the top of unit.
- Leave a space around the unit (from the largest outside dimension including projection) equal or greater than, shown below.

Top panel: 50 cm

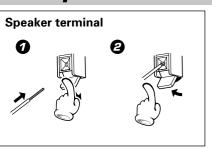
Side panel: 10 cm

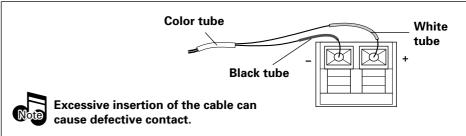
Back panel: 10 cm

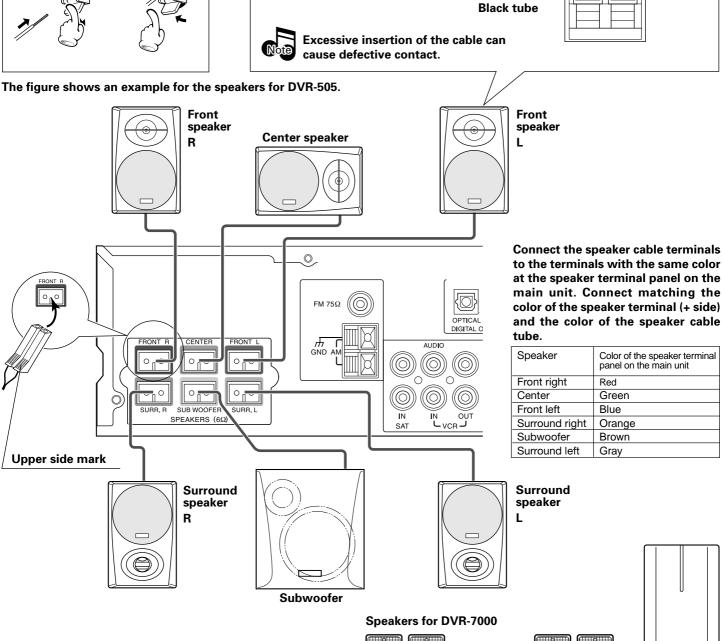
#### Malfunction of microcomputer

If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "In case of difficulty". **→** 62

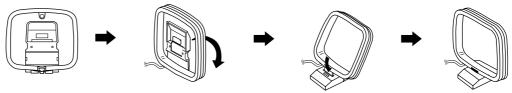
# Loudspeakers





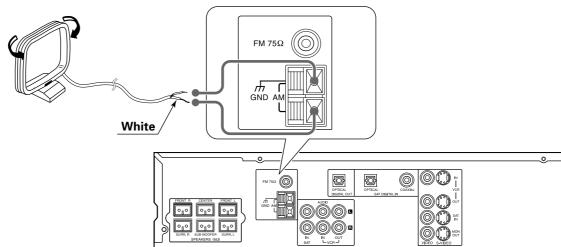


# AM loop antenna



# AM loop antenna connection

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.



# FM antenna

#### FM indoor antenna connection

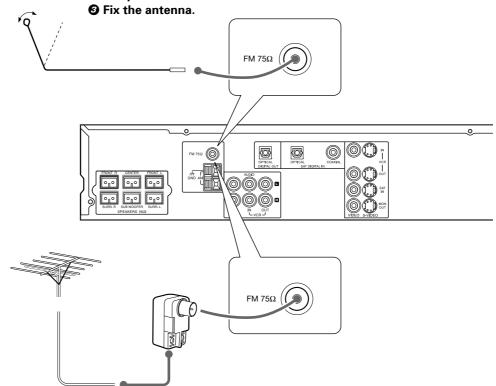
The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna. Remove the indoor antenna if you connect one outdoors.

# **2** Connect to the antenna terminal.

2 Locate the position providing good reception condition.

# FM outdoor antenna (commercially available)

Lead the 75  $\Omega$  coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75  $\Omega$ terminal.



TV

# Connecting to a TV

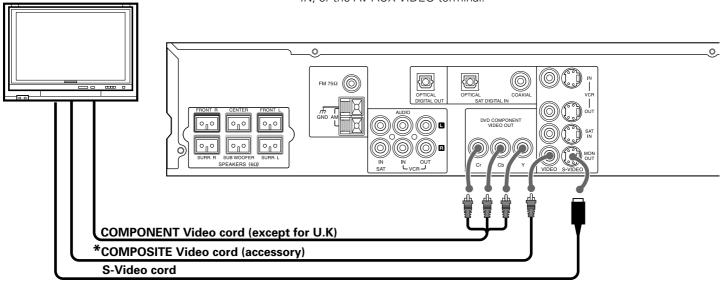
Depending on the input switching, the output from the MONITOR OUT terminal will be one of the following signals. Please note that a different signal type will not be put out.

S-VIDEO terminal: S-video signal connected to the (S-VIDEO) VCR IN, the (S-VIDEO) SAT IN, or

the AV AUX S terminal.

VIDEO terminal : Composite video signal connected to the (VIDEO) VCR IN, the (VIDEO) SAT

IN, or the AV AUX VIDEO terminal.





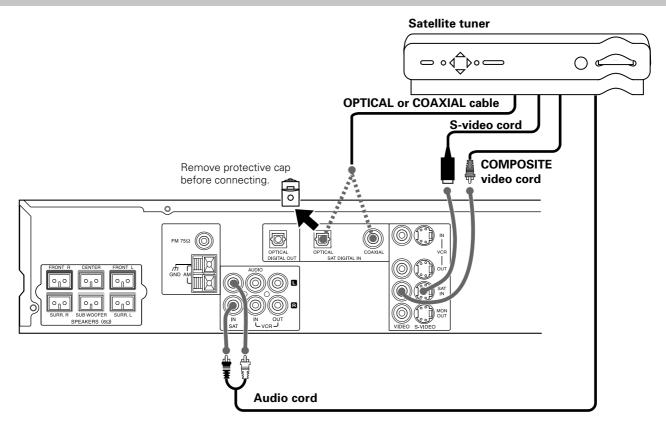
#### **COMPONENT** connection corresponds only to some areas.

When the TV has a COMPONENT terminal, the DVD image will be played back with higher picture quality in case of COMPONENT connection. Connect the S-video or the COMPOSITE video cable also in this case.

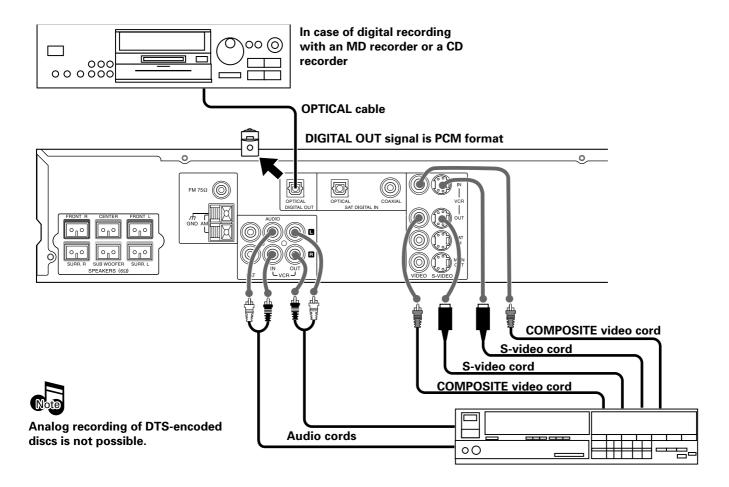
#### \* For U.K. only

If your TV set has a SCART terminal, connect the accessory SCART plug to the SCART terminal of the TV and connect the COMPOSITE video cord.

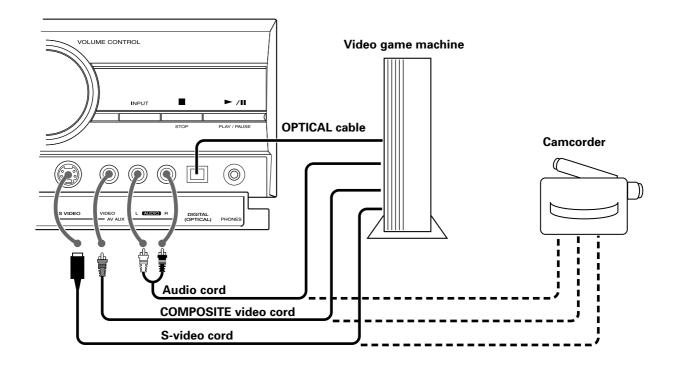
# Connecting to a Satellite Tuner



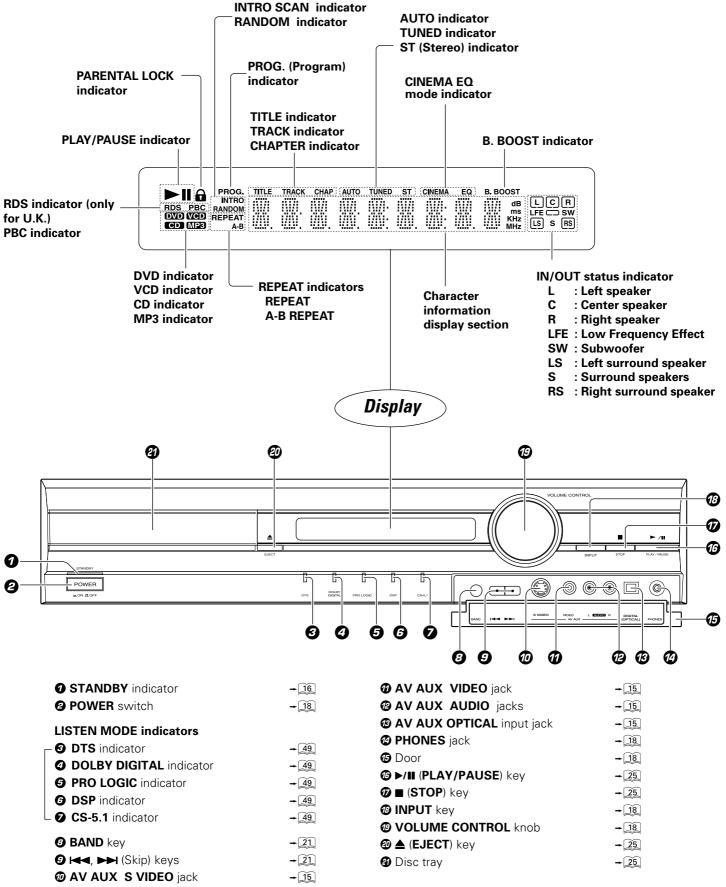
# Connecting to Audio video equipments



# Connecting a Camcorder or Video game machine



Preparations



#### STANDBY indicator

The STANDBY indicator lights when the power cable is plugged into an outlet and the POWER switch is set to ON. When the POWER key on the remote control unit is pressed in STANDBY status, the STANDBY indicator goes out and the main unit reaches operation status. When the POWER switch is set to OFF in operation status, the unit will return to operation status when the POWER switch is set to ON again. When the POWER switch is set to OFF in STANDBY status, the unit will return to STANDBY status when the POWER switch is set to ON again.

+23 +27

**-** 26

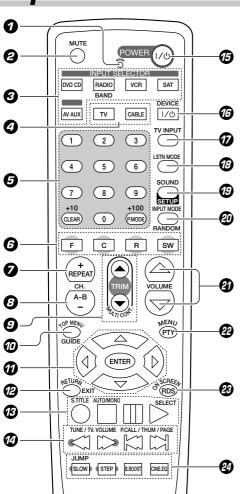
**→** 26

**-** 19

**-**20

# Operation of remote control unit

DVR-505/DVR-7000 (EN)



Model: RC-R0722 (for U.K.) RC-R0721 (for other countries)

Infrared ray system

The keys on the remote control unit with the same names as on the main unit have the same function as the keys on the main unit.

main unit have the same	e iuiici
LED indicator	<b>→</b> 53
MUTE key	<b>→</b> 18
<b>10 INPUT SELECTOR</b> keys	<b>→</b> 18
DVD CD key	
RADIO/BAND key	
VCR key	
SAT (Satellite) key	
AV AUX key	
Device keys	<b>→</b> 53
<b>TV</b> key	
CABLE key	
<b>6</b> Numeric keys (0 - 9, +10,	
<b>-</b> 26	<b>+</b> 60
CLEAR key	<b>-</b> 27
P.MODE key	<b>-</b> 34
Speaker select keys	<b>→</b> 52
<b>F</b> (Front) key	
<b>C</b> (Center) key	
<b>R</b> (Rear/Surround) key	
<b>SW</b> (Subwoofer) key	
<b>OCH.</b> (Channel) + key	<b>→</b> [60]
/REPEAT key	<b>→</b> [32]
3 CH.(Channel) - key	<b>→</b> 60
/A-B Repeat key	<b>→</b> [32]
TRIM / MULTI CONT.	
Up (▲), Down (▼) keys	<b>-</b> [51]
<b>TOP MENU</b> key	<b>→</b> [37]
/GUIDE key	<b>→</b> [60]
Cursor Up (▲), Down (▼), L	
and Right (►) keys	<b>→</b> [34]
ENTER key	<b>→</b> [28]
<b>@ RETURN</b> key	<b>→</b> 42

⊕ (record) /S.TITLE (SUI)	B TITI F)
key	<b>-</b> 29
(stop) / AUTO/MONO	
·	21 + 25
II (pause) key	<b>-</b> 25
► (play) key	<b>-</b> 25
Ø      ✓ / ►► key (Search key)	eys)
TUNE/ keys	<b>-</b> 26
/TV. VOLUME keys	<b>-</b> 60
key/►► key (Skip k	eys)
P.CALL keys	<b>-</b> 26
/THUM/PAGE keys	<b>-</b> 60
<b>79 POWER</b> key	<b>-</b> 17
<b>® DEVICE</b> Power key	<b>-</b> 60
<b>7</b> TV INPUT key	<b>→</b> 60
<b>3 LSTN MODE</b> (LISTEN	MODE)
key →	20 + 49
<b>③ SOUND / SETUP</b> key →	19 - 50
<b>②</b> INPUT MODE / RANDO	M key
	<b>-</b> 33
O VOLUME keys	<b>-</b> 18
<b>PTY</b> (for U.K. only) / <b>ME</b>	NU key
<b>-</b>	24 + 42
<b>@ RDS</b> (for U.K. only) / <b>ONS</b>	CREEN

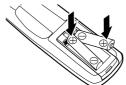
\* Depending on the area, the **AUTO/MONO** key is marked as **MONO**.

#### Loading batteries

• Remove the cover.



Insert batteries.



/ EXIT key

 Insert two LR03 ("AAA"-size) batteries following the polarity indications.

### **3** Close the cover.

**-**60

SLOW / JUMP key

**B.BOOST** key

CINE.EQ key

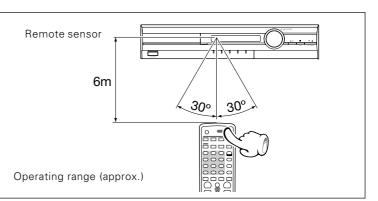
STEP kev



# **Operation**

Insert the power plug into a power outlet, press the POWER switch of the main unit to ON, then press the POWER key on the remote control.

 When pressing more than one remote control keys successively, press the keys securely by leaving an interval of 1 second or more between pressing of keys.

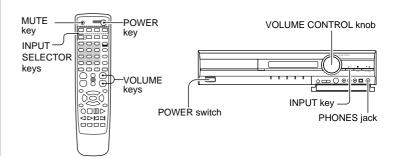




- 1. The provided batteries are intended for use in operation checking, and their service life may be short.
- 2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
- 3. If direct sunlight or the light of a high-frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

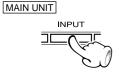


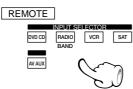
• set the **POWER ON/OFF** switch to the ON (\_\_\_\_) position.



# Basic use method

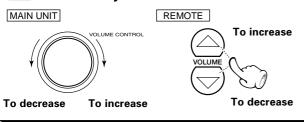
# Selecting the desired input





Switching is done as follows when the INPUT key of the main unit is pressed.

- 1) Tuner (frequency display)
- 2 VCR (VCR/ANL)
- 3 SAT (SAT/ANL, SAT/COAX or SAT/OPTI)
- **4** AV AUX (AUX/ANL or AUX/OPTI)
- **5 DVD/CD**
- **2** Volume adjustment



- When one of the keys on the left is pressed while STANDBY mode, the power will be switched on automatically and the input will be selected.
- The power will be switched on and the respective operation will be performed also when the EJECT key, the PLAY/PAUSE key or the **BAND** key on the main unit is pressed during STANDBY
- When a disc is set in the disc tray and the **DVD CD** key is pressed, disc playback will start automatically.

In case of operation with the remote control unit, first select the input or device to be operated wit the INPUT SELECTOR keys etc., and then perform the desired operation. The present mode of the remote control unit may not

coincide with the equipment to be operated.

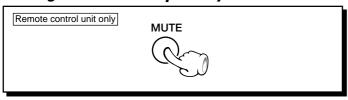


The input mode can be switched with SAT and AV AUX. Refer to "Changing the INPUT MODE" - 52

Normally "MAX" is displayed when the volume settings set to the maximum value.

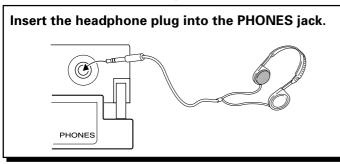
Depending on the speaker setting value or when CINE.EQ has been set to "ON", (-20), "MAX" will not be displayed.

# Muting the sound temporarily



- Press **MUTE** key.
- Press again to resume the original volume.
- The sound muting is also cancelled when the volume is controlled.

# Listening through headphone



This unit offers various surround modes, but it switches automatically to stereo mode when headphones are connected.

To open the door, pull the lower part on the right side of the main unit.

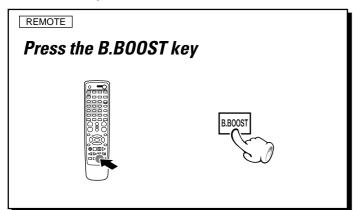
• The sounds from all speakers are cut off.

# **Changing the Tone**

This unit is equipped with various preset equalizers, so that various sounds can be enjoyed. In addition, it has an B.BOOST function for one-touch bass correction.

#### **B.BOOST**

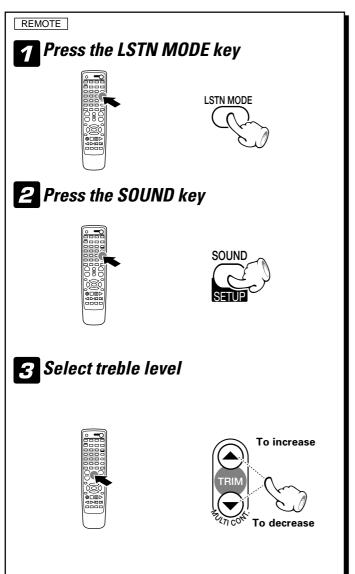
When the B.BOOST function is switched on, richer bass tones can be reproduced.



Each press switches the B.BOOST on or off.

B.BOOST lit
B.BOOST goes off

# TREBLE CONTROL (Normal music CD , VCD and tuner only)



Set to STEREO mode. (The TREBLE CONTROL can be adjusted only STEREO mode)

TRBL is displayed.



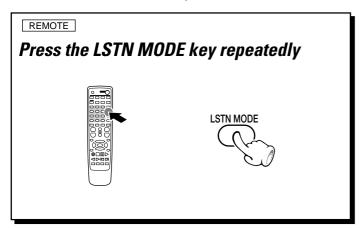
Operation is not possible with DOLBY DIGITAL and DTS source.

Each press switch the TRBL level

• The treble level can be adjusted between +10 and -10.

# Selecting the DSP mode

Five different sounds are preset in DSP mode. Please select the type you like. DSP mode can be selected only at the time of a PCM source (normal music CD, MP3 file, etc.).



Each press switches the mode (At the time of music CD)

- **1 DOLBY PL II MOVIE**
- **2 DOLBY PL II MUSIC**
- **3 DOLBY PRO LOGIC**
- **4 CIRCLE SURROUND**

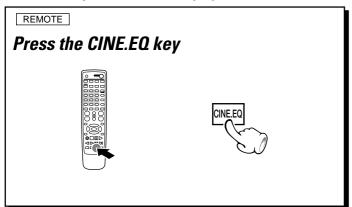
**DSP** modes

- (5) ARENA
- **6 JAZZ CLUB**
- **7 THEATER**
- **8 STADIUM**
- 9 DISCO
- **10 STEREO**



### Selecting the CINE.EQ (CINEMA EQUALIZER).

This function provides for better playback of movies etc.



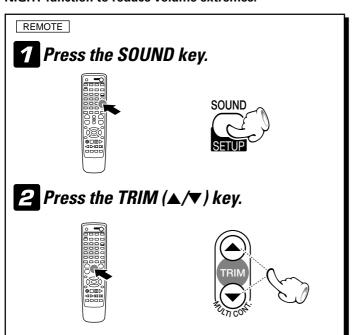
Each press switches the mode

- (1) CINE.EQ

− ② **OFF** 

# Selecting the NIGHT (MID NIGHT) mode. (Dolby Digital only)

Any time you don't want to experience the loud and soft volume extremes of recorded sound (for example, late at night), use NIGHT function to reduce volume extremes.



Displayed NIGHT OFF or NIGHT ON.

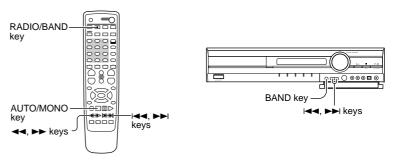
Each press switches the mode

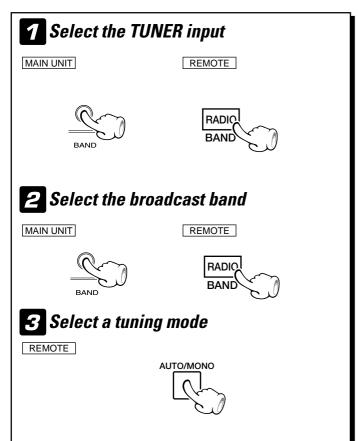
- ① NIGHT ON
- 2 NIGHT OFF

DVR-505/DVR-7000 (EN)

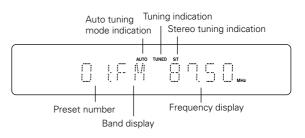
It is also possible to receive them by one-touch operations by storing up to 30 stations in the preset memory. (see page 22)

Receiving broadcast station





When the BAND key is pressed, this unit will be switched on automatically.



Each press changes the band.

<u>→</u> ① FM - ② AM

Each press switches the mode

► ① auto tuning mode

2 manual tuning mode



When the TUNE keys are pressed in AUTO mode, a station will be tuned in automatically and tuning will stop. Stereo reception will be made automatically when a stereo broadcast with sufficient signal strength is received.

# 4 Select a station P.CALL (preset call) MAIN UNIT REMOTE Press the ◄◄ , ▶▶ keys to select a preset station.

# AUTO (auto tuning)

REMOTE



Press the TUNE key to receive the next tuned station automatically

# MANUAL (manual tuning)

REMOTE



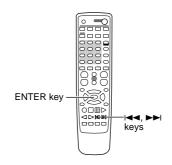
Each time a key is pressed, the frequency is changed by one step.

When a key is pressed continuously, the frequency changes continuously.

Use the manual tuning mode when reception is noisy due to weak reception. (In the manual mode, stereo broadcasts are received in monaural.)

tions.

You can store up to 30 stations in the memory and recall with a single touch of the key.

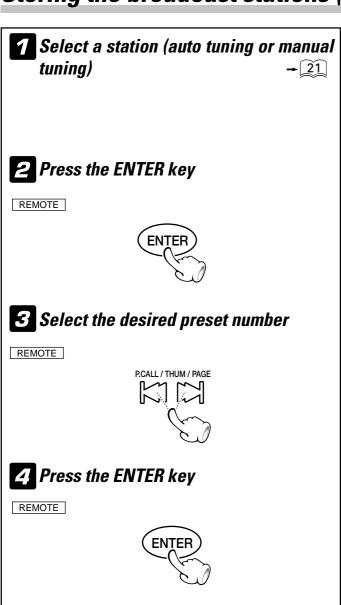


Presetting can be done with mixing of FM and AM stations.

# Storing the broadcast stations (one-by-one presetting)

(Example)

01: FM 90.00 02: AM 531



Repeat steps 2 to 2 to preset other sta-

Blinks

PROG.

TUNED ST

TUNED ST

PROG.

PROG.

PROG.

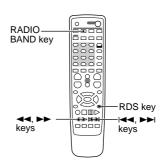
PROG.

PROG.

PROG.

TUNED ST

RDS is a system which transmits useful information (digital data) for FM broadcasts together with the broadcast signal. Tuners and receivers designed for RDS reception can extract the information from the broadcast signal for use with various functions such as automatic display of the station name.



# Using RDS function ( for U.K. only)

# Functions made possible with RDS

#### PTY (Program Type Identification) Search:

The tuner automatically searches for a station which is currently broadcasting a specified program type (genre).

#### PS (Program Service Name) Display:

When an RDS broadcast is received, the station name is automatically displayed.

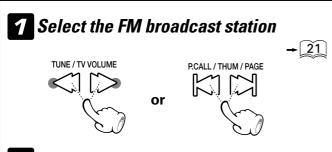
#### RT (Radio text):

Displays the radio text data transmitted by some RDS stations when you select the **RT** mode.

#### CT (Clock Time):

Decodes the real time clock from the FM frequency.

# Using the RDS Display function



**2** Press the RDS key



Each press switches the display mode as follows.

- PS NAME display
  PTY display
  - 3 RT display
  - 4 CT display
  - **5** Current FM frequency display



 If the PS information is being received, the PS name (BBC, AFO, NDR, etc.) is shown on the display.

AUTO TUNED ST

- If the PS information is not received, the original FM frequency is shown.
- Even though no **RDS key** is pressed, the reception of PS information ensues the PS name is displayed.

#### RT display

• Text data accompanying the RDS broadcast scrolls across the display (64 characters can be displayed).



#### ←Scrolled display

 If the RT information is not received, the "NO RT" is shown on the display.

#### CT display

- If the CT information will take up to 2 minutes to be decoded therefore the clock is not displayed immediately.
- If the CT information is not received, the "**NO CT**" is shown on the display.
- The CT clock does not update the system clock.

### **PTY** function

The PTY information is composed of an identification symbol, which helps the FM radio to recognize the program type of each FM station.

The 29 PTY modes are shown in the display by pressing the PTY key.

# Using the PTY search function







**2** Press the PTY key



- The PTY MODE (POP M, ROCK M etc.) appears on the display.
- Press the P.CALL (I◄◄/►►I) keys to select the desired program type.



When the program type is selected, press the PTY key.



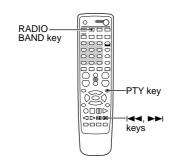


Auto-search the station sequentially
• Press again during search to cancel.



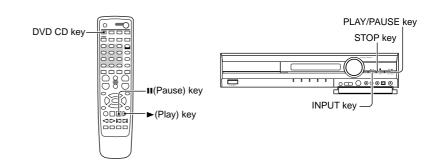
PTY not found

After display of NO PTY, return is made to the normal display.



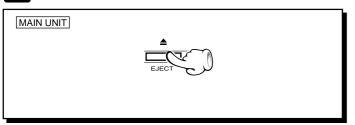
# RDS Program types

News NEWS Current Affairs AFFAIRS Information INFO Sport SPORT Education EDUCATE Drama DRAMA Culture CULTURE Science SCIENCE Varied VARIED Pop Music POP M Rock Music ROCK M Easy Listening Music LIGHT M Serious Classical Music CLASSICS Other Music OTHER M Weather WEATHER Finance FINANCE Children's programs CHILDREN Social affairs SOCIAL Religion RELIGION Phone in PHONE IN Travel TRAVEL Leisure LEISURE Jazz Music OLDIES Folk Music OLDIES Folk Music POCLIMENT	Program Type Name	Receiver Display
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Social affairs  Religion  RELIGION  Phone in  PHONE IN  Travel  TRAVEL  Leisure  LEISURE  Jazz Music  Country Music  National Music  Oldies Music  Folk Music  SOCIAL  RELIGION  PHONE IN  TRAVEL  LEISURE  LEISURE  JAZZ  COUNTRY  NATION M  Oldies Music  FOLK M	Finance	FINANCE
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Jazz Music JAZZ Country Music COUNTRY National Music NATION M Oldies Music OLDIES Folk Music FOLK M	Travel	TRAVEL
Country Music COUNTRY  National Music NATION M  Oldies Music OLDIES  Folk Music FOLK M	Leisure	LEISURE
National Music  Oldies Music  Folk Music  NATION M  OLDIES  FOLK M	Jazz Music	JAZZ
Oldies Music OLDIES Folk Music FOLK M	Country Music	COUNTRY
Folk Music FOLK M	National Music	NATION M
	Oldies Music	OLDIES
Documentary DOCLIMENT	Folk Music	FOLK M
Dodding	Documentary	DOCUMENT

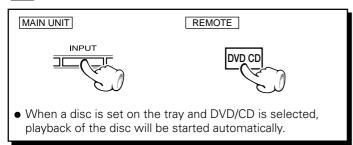


# Basic play

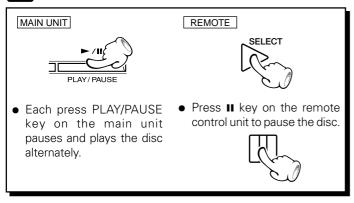




# 2 Select the DVD CD



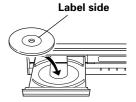
# 3 Start playback



**O** Open the tray.

Place a disc.

**3** Close the tray.



• When the **PLAY/PAUSE** key on the main unit is pressed instead of the **EJECT** key in step **3**, the tray will close and playback will start automatically.

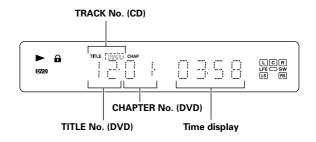
#### When a Disc Menu appears on the screen

In case of interactive DVDs, a Disc Menu appears on the screen. Then press **ENTER** to select specific menu you want to play by using Cursor keys.

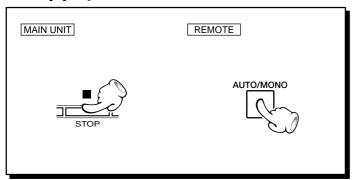
When a menu screen is recorded on the disc, the menu screen will be displayed when the TOP MENU key is pressed. At the menu screen, the menu can be selected by pressing the Cursor keys.



 When the PLAY/PAUSE key on the main unit is pressed while an input other than disc is selected, the unit will be switched to DVD/CD and playback will start.



# To stop playback



# RESUME playback

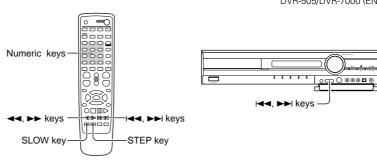
When the STOP key has been pressed once during playback to stop the playback, and then playback is started again, play will start from the point where the playback had been stopped. This is called the RESUME function. When the STOP key is pressed again during stop, the RESUME function is cancelled.

RESUME is cancelled when 5 minutes have passed in RESUME status.

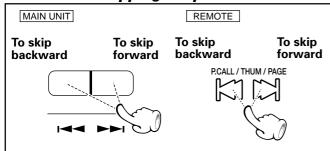
# Disc playback features



- You won't hear the sound (audio) on the DVD when you're using the Skip, Search, Step or Slow motion features.
- Playback features are not available during the opening credits of a movie.

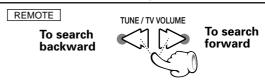


# **™**© **©** Skipping chapters or tracks



- The chapter (or track) in the direction of the key pressed is skipped, and the selected chapter (or track) will be played from the beginning.

# **©** © Searching

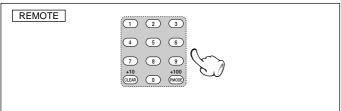


- During playback, press the ◄◄ or ►► key
- Each press switches the searching speed.
  - → ① ×2 (F.SEARCH 1)/(R.SEARCH 1)
    - 2 × 4 (F.SEARCH 2)/(R.SEARCH 2)
    - ③ ×8 (F.SEARCH 3)/(R.SEARCH 3)
    - (4) × 16 (F.SEARCH 4)/(R.SEARCH 4)

(At the time of DVD playback only)

- Press the **PLAY** key at any time to resume normal playback.
- Audio is not output during F.SEARCH or R.SEARCH playback.

# Playback from desired track

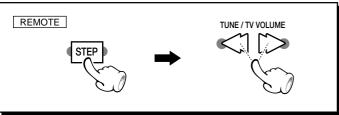


- Select the desired track No.
- Press the numeric keys as shown below (Example)

To select track No. 23: [2] [3]

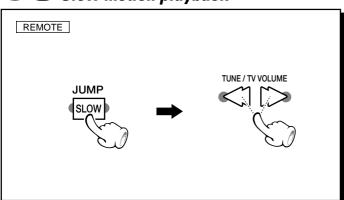
 When a number exceeding the largest track No. on the CD being played is specified, a question mark "Tr?" will be displayed.

# **ODO STEP (freeze frame and frame advance)**



- Each time you press the ◄◄, ►► keys, the picture advances one frame.
- At the time of VCD playback, backward STEP is not possible
- Press the **PLAY** key to resume normal playback.

# Slow motion playback



- During playback, press the **SLOW** keys, then press the
   ◄◄, ▶► keys.
- Each press ◀◀, ▶▶ keys switches the motion speed.

#### (At the time of DVD playback)

① F.SLOW 1/16 (R.SLOW 1/16) ② F.SLOW 1/8 (R.SLOW 1/8) ③ F.SLOW 1/4 (R.SLOW 1/4) ④ F.SLOW 1/2 (R.SLOW 1/2)

#### (At the time of VCD playback)

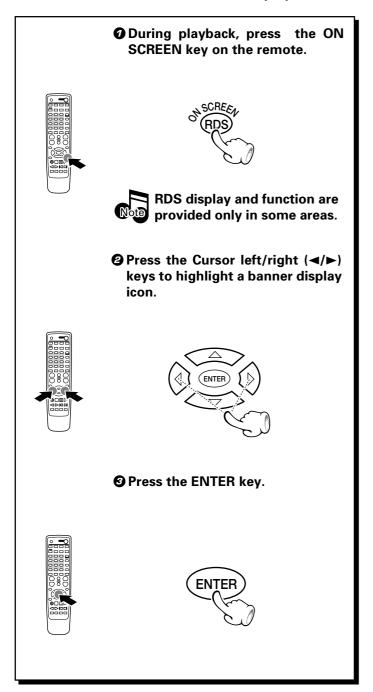
→ ① F.SLOW 1/8 (R.SLOW is not possible)
 ② F.SLOW 1/4 (R.SLOW is not possible)
 → ③ F.SLOW 1/2 (R.SLOW is not possible)

• Press the **PLAY** key to resume normal playback.

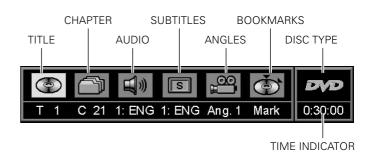
# Using the On-screen banner display

DVR-505/DVR-7000 (EN)

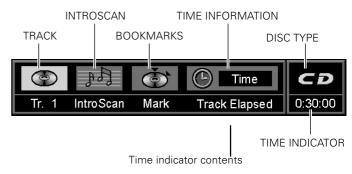
The on-screen Banner Display contains many playback features. To see the Banner Display, press ON SCREEN key on the remote while a disc is playing. Use the Cursor (Up/Down/Left/Right) keys on the remote to move through the different features in the Banner Display. Each feature is illustrated with an icon.



#### When playing a DVD



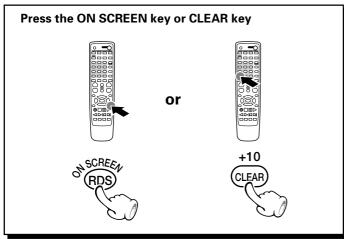
#### When playing a CD/VCD



#### Switch the CD time indicator as follows.

- **3** Select the time information with the cursor key.
- 2 Each time the ENTER key is pressed, the time indicator changes as follows.
  - ► ① Track Elapsed (elapsed time of the track being played)
  - 2 Track Remain (remaining time of the track being played)
  - 3 Disc Elapsed (elapsed time of the disc being played)
- 4 **Disc Remain** (remaining time of the disc being played)

# To display disappear from the screen





- You can only access the banner display when you're playing a disc.
- The banner display feature are only available if the disc was created with that particular feature (i.e., if you select the Subtitle icon, you won't be able to change the subtitle language unless the author of the disc created the disc with subtitles).
- The invalid symbol 
   o appears on the screen when you press a key that doesn't have any function. If one of the icons is "grayed out," the banner display feature isn't available for the disc you're playing.

# Selecting a Title

Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title).

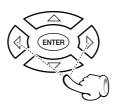
> **1** During playback, press the ON SCREEN key on the remote.





**②** Press the Cursor left/right (**◄**/►) keys until the TITLE icon is highlighted.





**19** Press the ENTER key. ("T\_\_" appears)





**4** Use the numeric keys to enter the title number.



When you enter a one-digit Title number, you may have to press ENTER on the remote after pressing the numeric key (1~9) on the remote. Otherwise press 0 first and the other value. Then play starts. This varies depending on number of Title within the disc you're playing.



Some discs only have one title.

# **Selecting a Chapter or Track**

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip a specific chapter by using the Chapter section in the Banner Display.

> **1** During playback, press the ON SCREEN key on the remote.





**②** Press the Cursor left/right (**◄**/►) keys until the CHAPTER or TRACK icon is highlighted.





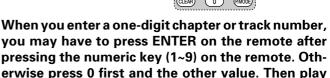
**19** Press the ENTER key. ("C\_\_" or "Tr\_\_" appears)





**4** Use the numeric keys to enter the chapter or track number.





you may have to press ENTER on the remote after pressing the numeric key (1~9) on the remote. Otherwise press 0 first and the other value. Then play starts. This varies depending on number of chapter or track within the disc you're playing.

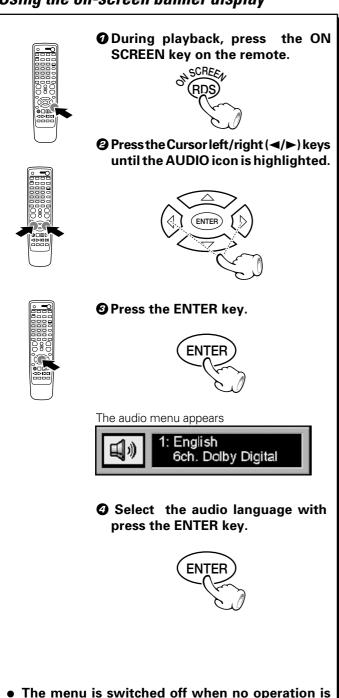


- The Chapter feature won't work if the disc isn't formatted with separate chapters.
- P.B.C. on mode of VCD, the Selecting a Track function may not work.

# 

If the disc was created with different language tracks, you can use the Banner Display to temporarily change the DVD player's Audio setting.

# Using the on-screen banner display





1. The language feature only works if the disc was created with multiple audio tracks.

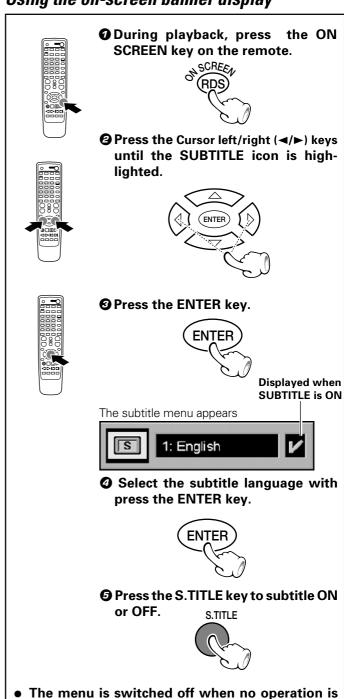
performed for about 5 seconds.

When you chose an audio language from the Banner Display, you only override the audio language setting in the DVD Player's main menu (in the Language Preferences menu within Setup menu) temporarily.

# 

You can change the Subtitle language while you're watching a disc (but only if the disc was created with subtitles).

# Using the on-screen banner display





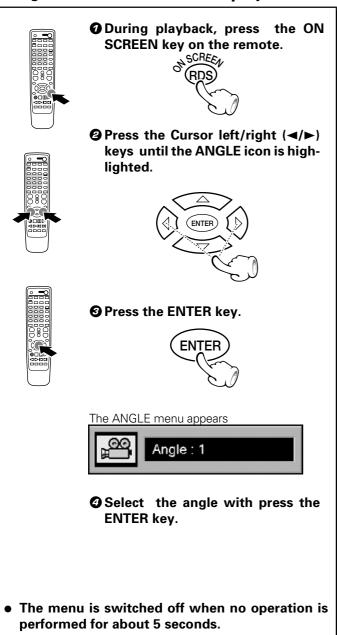
- 1. The subtitle feature only works if the disc was created with multiple subtitle tracks.
- 2. The subtitle menu of the disc appears in some discs.

performed for about 5 seconds.

# Changing the Camera angle

Some disc contains multiple angles particular scene or sequence. If the disc only has one angle, this feature won't work.

### Using the on-screen banner display



# **We Using IntroScan function**

IntroScan plays the first few seconds of each track on only one disc similar to the scan feature that's on many car radios.

#### Using the on-screen banner display

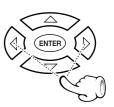


O During playback, press the ON SCREEN key on the remote.



② Press the Cursor left/right (◄/►) keys until the IntroScan icon is highlighted.





Press the ENTER key.



- The first 10 seconds of each track play.
- After Intro Scan goes through all of the tracks, it stops.
- If you want to stop IntroScan while it's in progress, just press ENTER key on the remote (the current track starts playing in its entirety).

(When the On-screen display has gone out, press the ON SCREEN key, select Intro Scan, and press the ENTER key.)

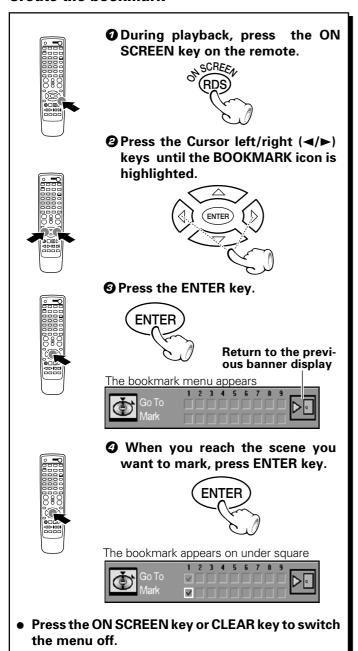


P.B.C. on mode of VCD, the IntroScan function may not work.

# **©** © Using Bookmarks

The bookmark feature lets you mark a point on the disc that you can go to quickly. You can store up to 9 bookmarks.

#### Create the bookmark



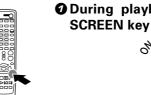
# Clearing a bookmark

• The bookmark is cleared each time the disc changes or when the power is turned off.



- If all 9 bookmarks are in use, you can still mark new scenes, but the previous bookmarks will be erased.
- Depending on the disc, the Bookmark function may not work
- P.B.C. on mode of VCD, the Bookmark function may not work.

# Recalling a bookmarked scene

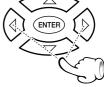


**O** During playback, press the ON SCREEN key on the remote.



② Press the Cursor left/right (◄/►) keys until the BOOKMARK icon is highlighted.





**②** Press the ENTER key.



The bookmark appears on under square

Go To
Mark

Mark

② Press the Cursor up (▲) key on the remote to go the parts of the Bookmark menu.





**⑤** Use the Cursor left/right (◄/►) keys on the remote to select the bookmarked scene you want to activate.



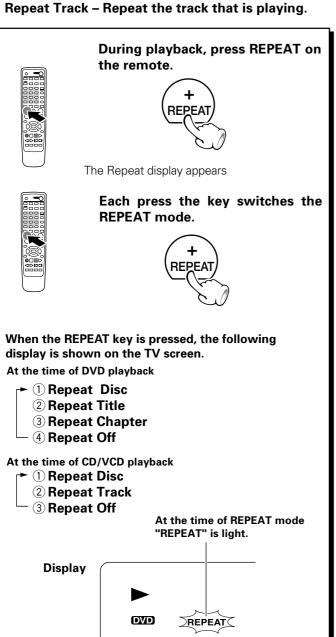
**9** Press the ENTER key to active the bookmark.

- You can go to bookmarked scene by the numeric key (1~9) on the step **⑤**.
- Press the ON SCREEN key or CLEAR key to switch the menu off.

# **®**© Repeat play

Desired titles or discs can be played back repeatedly.

- Repeat Disc Repeat the disc that is playing.
- Repeat Title Repeat the title that is playing.
- Repeat Chapter Repeat the chapter that is playing.



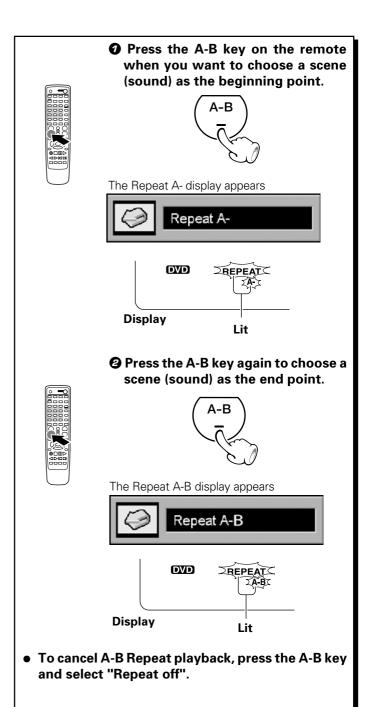
- To cancel repeat playback, press the REPEAT key and select "Repeat off".
- The menu is switched off when no operation is performed for about 5 seconds.



P.B.C. on mode of VCD, the Repeat play function may not work.

# **™**© **W** A-B Repeat play

The A-B repeat function lets you mark a segment to repeat between the beginning "A" and the end "B" of the segment you want to replay.



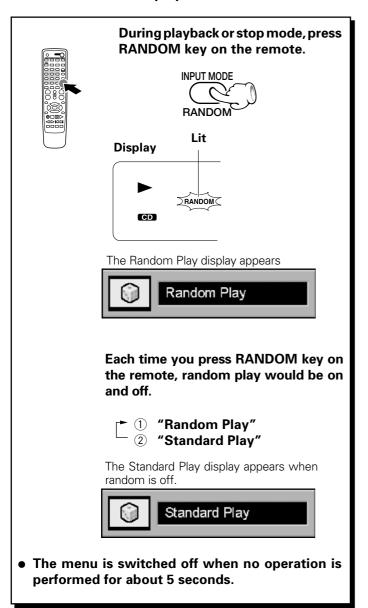
• The menu is switched off when no operation is performed for about 5 seconds.



P.B.C. on mode of VCD, the A-B Repeat play function may not work.

# **® Random play**

The tracks of disc are played in random order.



- When the **RANDOM** key is pressed during playback, the tracks of the disc being played will be selected in random order for playback.
- After all tracks of a disc have been played in random order, playback will stop. (Random mode will be cancelled.)



- When playing a DVD, the Random function may not work.
- P.B.C. on mode of VCD, the Random play function may not work.

DVR-505/DVR-7000 (FN)

You can listen to the desired tracks or chapters of the current disc in any desired order.

#### Registering and playing the program

Insert the disc to be used in programming in the tray, close it and press the PLAY key so that the player reads the disc information by playing disc until display "READING" disappears. (If the tray is opened after this, the above procedure should be repeated so that the player reads disc information again.)

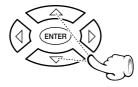
# Program Edit



• During stop mode, press the P.MODE key on the remote.



② Select specific title/chapter or track by Press Cursor up/down (▲/▼) keys or numeric keys (0-9).



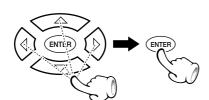
**19** Press the ENTER key.





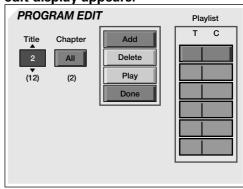
Select Add icon on the screen to register selected value onto Playlist, then press the ENTER key.





- **⑤** You can select maximum 32 values by repeating step **② ④**.
- **6** Press the PLAY key to start playback.

Program edit display appears.



(An example of DVD program edit menu)

2

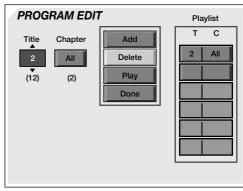
: Selected icon



: An icon which can be selected



: An icon which presently can not be selected



- When you don't add values onto "Playlist" and return to play mode, select Done icon and press ENTER key on the remote.
- While a disc is playing, press P.MODE key on the remote to start Program play
- To return to standard play, press the P.MODE key again.
- MP3 discs can not be programmed with this program mode. (MP3 program play → 41)



Add icon --- Add value onto "Playlist"

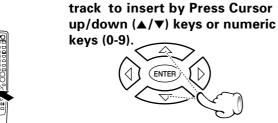
Delete icon --- Delete value from "Playlist"
Insert icon --- Insert value in "Playlist"

Play icon --- Play program play

Done icon --- Return to stop or resume mode

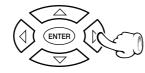
# Insert chapter or track

During stop mode, press the P.MODE key on the remote



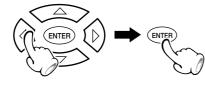
**2** Move the cursor with the Cursor right () key to the "Playlist" and select the column to be added with the Cursor up/down (▲/▼) keys.

**O** Select specific title/chapter or



(The color of the column where the **Cursor** is located will change.)

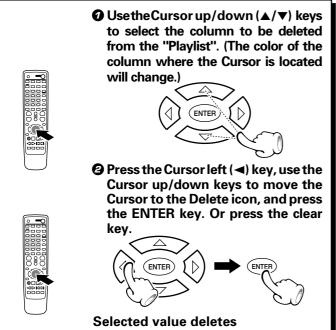
**19** Move the cursor with the Cursor left (◄) key to the Insert icon and press the ENTER key.

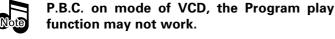


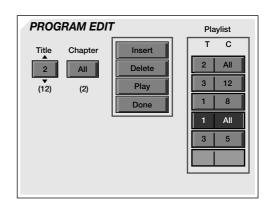
The new chapter or track will be inserted before (above) the selected column.

# **Delete Program**

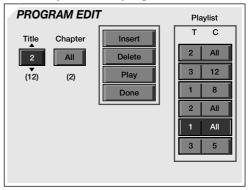
During stop mode, press the P.MODE key on the remote

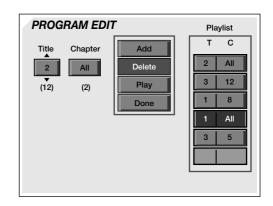






#### (An example of DVD program edit menu)





# Release Program play

In following case, Program play would be released.

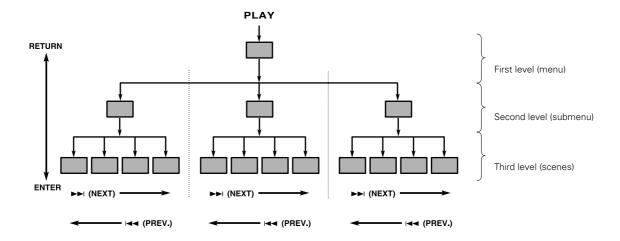
- 1. When you open and close tray.
- 2. When you turn power off and on.



# We Hierarchical structure of VCD menus

When an item is selected on the menu screen during playback of a P.B.C.-compatible VCD, another menu with more details items may be displayed. When a number of menus are connected in multiple layers in this way, it is said that the menus have a hierarchical structure. In this structure, the desired scene can be reached by repeating item selections on the menu screens.

#### Example for a hierarchical structure



Advancing

When an item is selected on the menu screen with the ▶ key or the numeric keys, advance is made to the next lower menu level. When the advance destination is the "scene" to be played, the contents will be played.

• When several menus (scenes) can be selected in each level, screen switching is possible with the keys  $\blacktriangleright \blacktriangleright$  (NEXT) and  $\blacktriangleright \blacktriangleleft$  (PREV.).

Returning

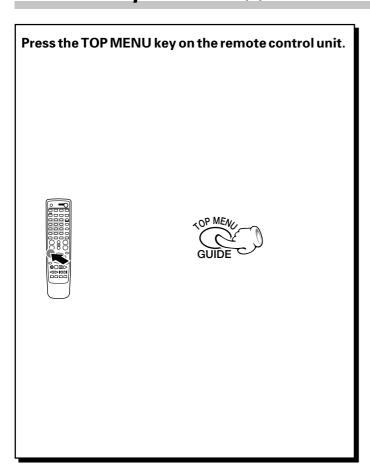
Each time the RETURN key is pressed, return is made to the next higher menu.

# Examples of operation keys and indications used during VCD playback

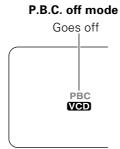
Soft jacket indication	<b>&gt;</b>	5	<b> 44</b>	<b>&gt;&gt;</b>	ENTER or SELECT
KENWOOD operation key	$\triangleright$	RETURN	<b>◄</b> ◀	<b>&gt;&gt;</b>	ENTER

• Depending on the software, the jacket indication may differ from the above.

# Playback without using the menu playback function (In case of a P.B.C.-compatible VCD) (To P.B.C. On or Off)



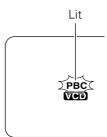
- •For the track numbers, refer to the disc jacket or other material.
- •P.B.C. off mode: Without using menu playback function.



## To return to menu playback

Press the TOP MENU key again.

P.B.C. on mode



# **Guidance of MP3**

## Media that can be played back with this equipment

Usable media: CD-ROM, CD-R, CD-RW

Usable format: ISO9660 level 1.

Files that can be played back: MP3 files

### Creating media for playing back on this equipment

#### Compressing MP3

Please set up the transfer bit rate setting for the compression software when compressing MP3 files as follow.

MP3 Files: 128kbps recommended (32kbps-320kbps)

• This unit is compatible with 32 kHz, 44.1 kHz (recommended) and 48 kHz sampling frequencies.

#### Naming folders and files

Single-byte characters between A and Z, single-byte numerais between 0 and 9, and the single-byte underscore(\_) can be displayed. Ensure that the ".MP3" (MP3 files) extension log is attached to all file names.

 Never add the MP3 extension log to any files other than MP3 files. If the MP3 extension log is added to any files other than MP3 files, the equipment will assume that they can be played back, and this will produce loud noises in the speakers, resulting in damage of adverse effects.

#### Confirming media and files

Check to ascertain that MP3 files can be played back correctly on the personal computer in use prior to saving them onto the media. Check to ensure that the saved file can be played back normally.

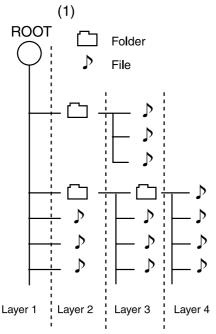
• It is not possible to confirm that files can be played back correctly while they are being saved onto the media.

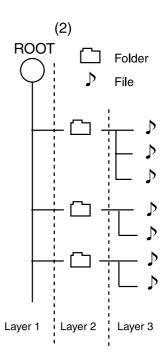
#### When saving files onto media

Ensure that the session is closed or finalized when data has been written on media. There are cases where media on which the session has not be closed or finalized will not be played back correctly with this equipment.

- There are cases were the folder names and file names will not be displayed correctly depending on the software used to save them.
- Do not store files or folders other than MP3 on media to be played back with this equipment.
- It is recommended that ten or less sessions are stored when recording MP3 files onto a media.
- Some time may be required until the playback of multi-session discs starts.
- There are cases where playback is not possible when MP3 files (CD-ROM) and music CD information (CD-DA) are saved on the same media.

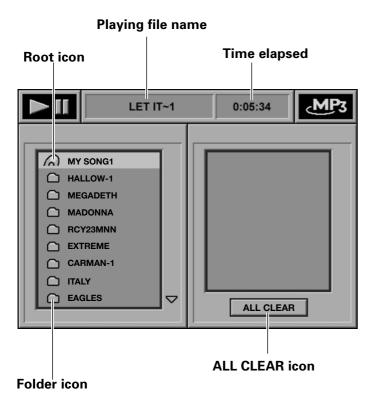
#### Example for a hierarchical structure



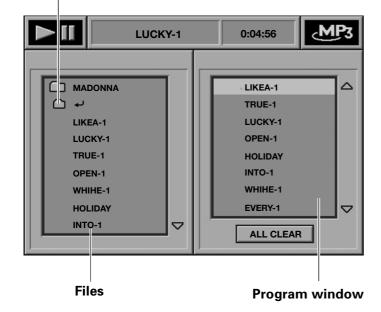


# MP3 On-screen display

When you insert MP3 media, the MP3 On-screen display appears.







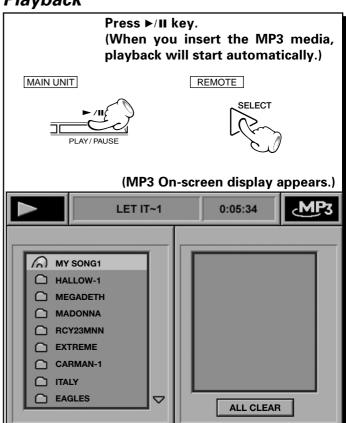


Folder names and file names are displayed up to 8 characters. When folder names and file names are recorded with more than 8 characters, the names will be displayed in abbreviated form.

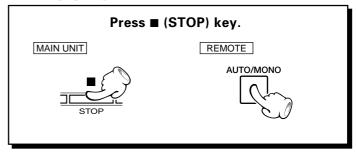
# Playing back MP3

- It is not possible to play back folders and files (up to 223) that exceed the maximum limitations of the media.
- A certain amount of time is required for the player to confirm the media on which MP3 files have been recorded before playback will commence.
- The files will be played back in the sequence in which they were recorded (written).

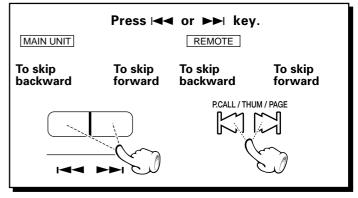
#### **Playback**



# To stop playback

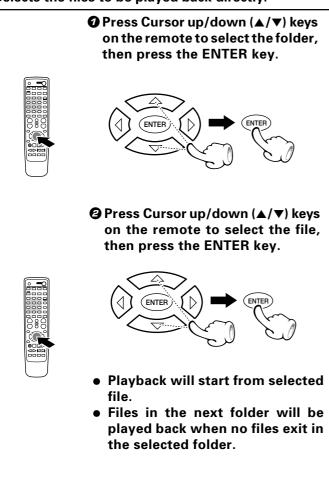


# Skipping files



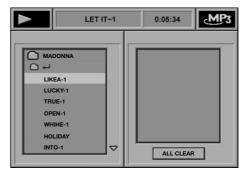
# Selecting MP3 files or folders

Selects the files to be played back directly.

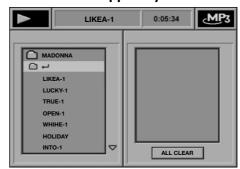


• The files and folders in the selected folder appear.

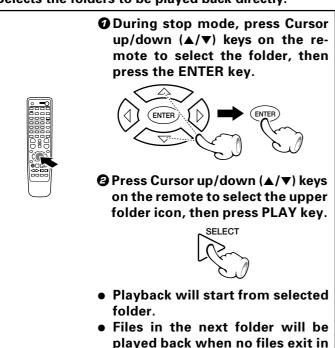




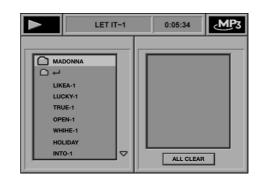
 Press ENTER key on RETURN folder icon to move to the upper layer.



Selects the folders to be played back directly.



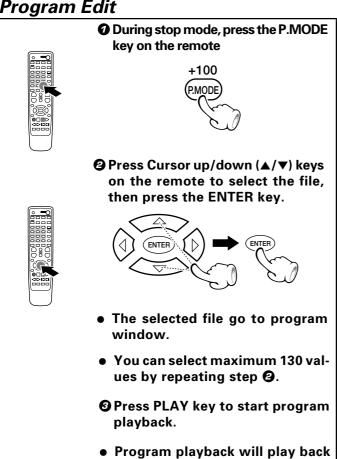
the selected folder.

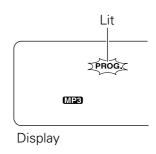


# MP3 program playback

You can listen to the desired files of the current MP3 disc in any desired order.

#### Program Edit



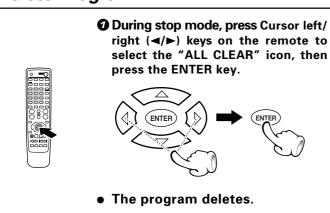




## **Delete Program**

Goes off

PROG.



mote.

repeatedly.

• To return to standard play, press

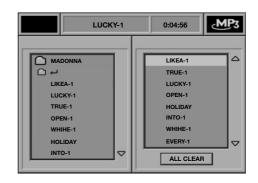
You can delete file one by one by

selecting in Program window and

pressing CLEAR key on the re-

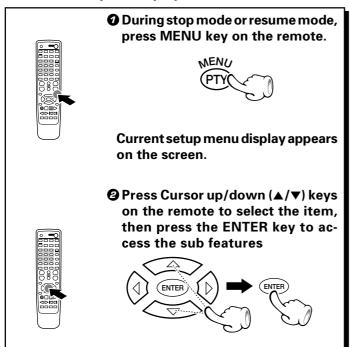
the P.MODE key again.

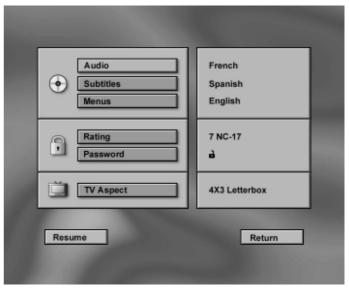




# Set up menu

The initial setup of the player, which has been made at the factory, can be changed to the desired setup.





(Menu display example)

Audio / Subtitle (disc languages) : This sets the language to be used when playing a disc. (If a disc does not contain the recording the selected language, it is played in the priority language set for each disc.)

Menus

Operations

: This sets the initial setup of language as well as the language used in on-screen messages such

Rating

: This can restrict playback of adult-oriented DVD discs that you do not want to be seen by

However, even when a DVD disc is marked "Adult-oriented" or so on the label, its viewing cannot be restricted unless the restriction level is recorded in the disc itself.

**Password** 

: The password for rating setting, change, cancellation, etc. is set.

TV Aspect

: This sets the screen size (4:3 or 16:9 aspect ratio) according to the connected TV.

4 x 3 letterbox

: Choose this setting if you would prefer to see movies in their original aspect ratio. You will see the entire frame of the movie, but it will occupy a smaller portion of the screen. This setting may result in the movie appearing with black bars at the top and bottom of the screen.

4 x 3 Pan Scan

: Choose this setting if you want the movie to fill the entire screen of your TV. You won't see part of the picture (particularly the right and

left edge).

Some disc produced in a wide screen format can't be cropped in this fashion, which means the black bars would appear at the top and the

bottom of the screen.

16 x 9 Widescreen : Choose this setting if your DVD player is connected to a widescreen TV

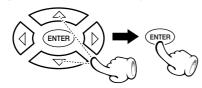
### How to use the RETURN key

When the RETURN key is pressed, the display returns to the previous screen (STOP mode).

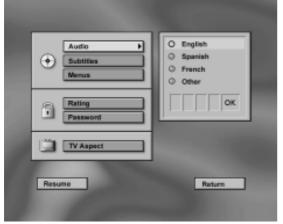


# **Select Audio Language**

 Press Cursor up/down (▲/▼) keys on the remote to select Audio on the set up menu display, then press the ENTER key.



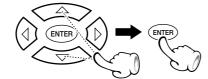
(Audio menu appears.)



(The display shows an example for some areas)

② Press Cursor up/down (▲/▼) keys on the remote to select specific Audio language, then press the ENTER key.





### To select other language

① Select "Other" and press EN-TER key



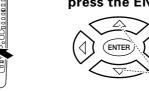
- ② Input code in the first digit by Press Cursor up/down (▲/▼) keys or numeric keys on the remote and repeat other 3 code with same way.
- 3 Press the ENTER key on "OK" icon.

(DVD menu language code list

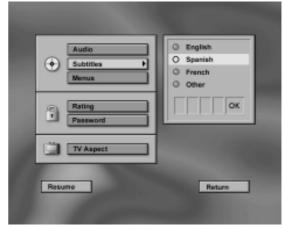
• Press PLAY key to resume normal playback.

# **☞** Select Subtitle Language

**⑦** Press Cursor up/down (▲/▼) keys on the remote to select Subtitle on the set up menu display, then press the ENTER key.



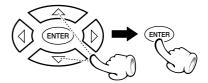




(The display shows an example for some areas)

② Press Cursor up/down (▲/▼) keys on the remote to select specific Subtitle language, then press the ENTER key.





#### To select other language

① Select "Other" and press EN-TER key



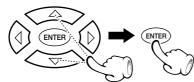
- ② Input code in the first digit by Press Cursor up/down (▲/▼) keys or numeric keys on the remote and repeat other 3 code with same way.
- 3 Press the ENTER key on "OK" icon.

(DVD menu language code list

• Press PLAY key to resume normal playback.

# **Select Menu Language**

**②** Press Cursor up/down (▲/▼) keys on the remote to select Menus on the set up menu display, then press the ENTER key.



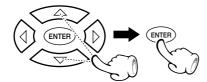
(Menus appears.)



(The display shows an example for some areas)

② Press Cursor up/down (▲/▼) keys on the remote to select specific Menu language, then press the ENTER key.





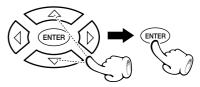
• Press PLAY key to resume normal playback.

# Select Rating

This part of DVD rating lets you determine how your player will react discs that contain movies that are rated (in the U.S.A. the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.).

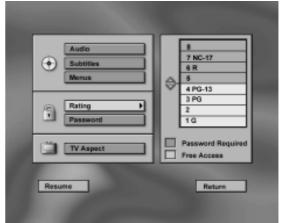


Press Cursor up/down (▲/▼) keys on the remote to select Rating on the set up menu display, then press the ENTER key.



When a password already has been set, the screen for change of the entered password will be displayed. In that case, enter the password. (+45)

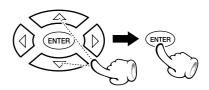
#### (Rating aspect menu appears.)



(The display shows an example for some areas)

② Press Cursor up/down (▲/▼) keys on the remote to highlight rated titles, then press the ENTER key.





Press PLAY key to resume normal playback.

## Playback of a disc

When the settings for Rating (Parental Lock) and Password (see page 45) have been made, the input screen for the password will be displayed when playback of a disc corresponding to parental lock is started. Playback of that disc will be possible when the correct password has been entered.

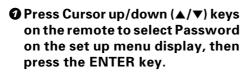
#### Parental lock level

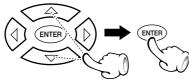
Level 8: All DVDs can be played back. (Factory preset)
Level 7 to 2: DVDs for general audiences/children can be
played back. (DVDs for adults are prohibited.)
Level 1: DVDs for children can be played back. (DVDs for

adults/general audiences are prohibited.)

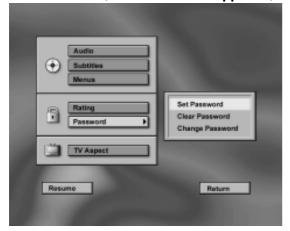
# **Password**

### Input password



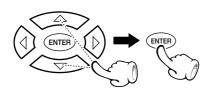


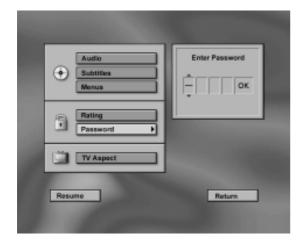
(Password menu appears.)



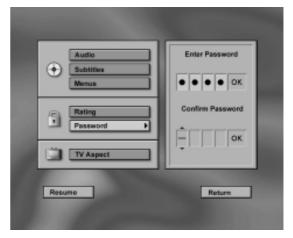
② After select "Set Password", press the ENTER key.





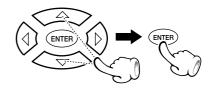


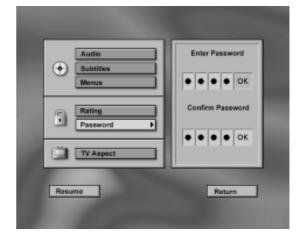
 Press Cursor up/down (▲/▼) keys or numeric keys on the remote to enter password. Press ENTER key to finish password input (Confirm Password display appears below Enter Password display).



 ⊕ Press Cursor up/down (▲/▼) keys or numeric keys on the remote to enter again password that you entered.







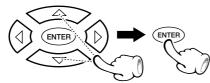
**19** Press the ENTER key on "OK" icon.

• Press PLAY key to resume normal playback.

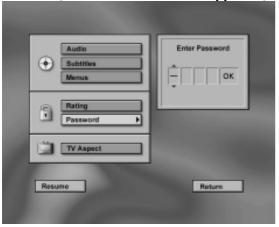
# Password (continued)

### Change password

 Press Cursor up/down (▲/▼) keys on the remote to select Password on the set up menu display, then press the ENTER key.

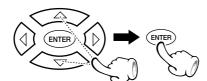


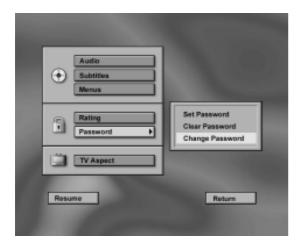
(Enter Password menu appears.)



② Press Cursor up/down (▲/▼) keys or numeric keys on the remote to enter password. Press the ENTER key on "OK" icon.



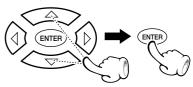




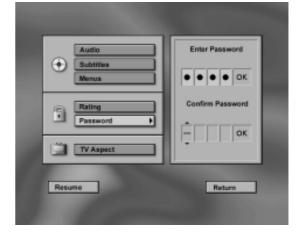
② Press Cursor up/down (▲/▼) keys to select Change Password, then press ENTER key.



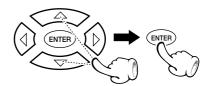
② Press Cursor up/down (▲/▼) keys or numeric keys on the remote to enter password.

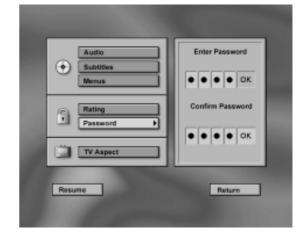


Press ENTER key to finish password input (Confirm Password display appears below Enter Password display).







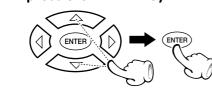


- Press the ENTER key on "OK" icon.
- Press PLAY key to resume normal playback.

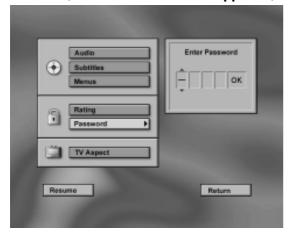
# Password (continued)

## Clear password

 Press Cursor up/down (▲/▼) keys on the remote to select Password on the set up menu display, then press the ENTER key.



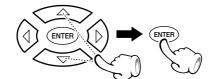
(Enter Password menu appears.)

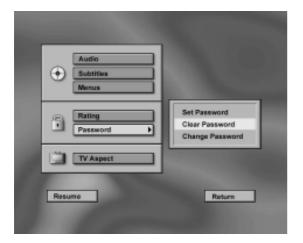


② Press Cursor up/down (▲/▼) keys or numeric keys on the remote to enter password.







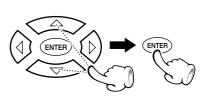


- ② Press Cursor up/down (▲/▼) keys to select Clear Password, then press ENTER key.
- Press PLAY key to resume normal playback.

# TV aspect

Press Cursor up/down (▲/▼) keys on the remote to select TV Aspect on the set up menu display, then press the ENTER key.



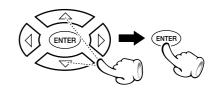


(TV Aspect menu appears.)



② Press Cursor up/down (▲/▼) keys on the remote to select TV Aspect menu, then press the ENTER key.





Press PLAY key to resume normal playback.

Operations

# 48 Setting up LISTEN mode

DVR-505/DVR-7000 (FN)

# What are LISTEN modes?

You can experience true home-theater sound with your new system. This system incorporates several listen modes to let you enjoy surround sound with a wide variety of program sources. Each produces multiple channels of surround-sound, but each does it differently.

 Dolby Digital: Dolby Digital uses an encode/decode process based on its theatrical digital surround sound technology. The five main channels are full-frequency and independent, so sound can completely envelop you or soar anywhere in the room, just like at the movies.

Compared with Dolby Pro Logic, Dolby Digital has more clarity, greater surround envelopment, and more realistic sound movement between channels.

- Dolby Pro Logic/Dolby Pro Logic II: Dolby Pro Logic reproduces a surround sound like in a movie theater from Dolby Surroundencoded program source (videotape or LaserDisc software carrying the Dolby Surround logo), and features excellent sound movement on the front and a surrounding atmosphere of movie theaters. Meanwhile, Dolby Pro Logic II decodes a signal encoded in 2 channels into 5-channel signals composed of the left/right front signals, center signal and surround left/right signals.
  - Dolby Pro Logic II is an advanced version of the decoding technology used with Dolby Pro Logic. It inputs 2-channel signals from a Dolby Surround-encoded source and reproduces 5-channel signals in which the surround channel is divided into independent channels for the left and right. Dolby Pro Logic II has the MOVIE mode and MUSIC mode, and the MUSIC mode enables independent adjustment of three parameters including Panorama mode, Dimension and Center Width.
- DTS: DTS has five full-frequency channels that create effects nearly identical to those in a theater. Sounds seem to zoom from one place to another or entirely surround you. Like Dolby Digital, DTS has much-improved clarity, surround and sound movement capability compared with Dolby Pro Logic. This listen mode is available on CD, LD, and DVD media. DTS is a strictly digital format that can be supplied only by a CD, LD, or DVD player that supports DTS sound.
- DSP (Digital Signal Processing): DSP allows you to create your own custom surround sound environments and use them with any source (except Dolby Digital and DTS). You can select the ambience of an ARENA, JAZZ CLUB, THEATER, STADIUM or DISCO to your taste.
- CS5.1 ch: The Circle Surround System was developed to provide the highest level of sonic performance available in a Matrix system. Audio for music was not the focus for other multichannel formats and, as a result, there is a serious compromise in the performance of these systems. That is not to say that the Circle Surround system is only for music-other applications such as Cinema, Home Theater, multichannel broadcast, video tape and any other type of audio delivery can take advantage of the superior performance of Circle Surround.
- Stereo: Stereo listen mode provides standard stereo sound to the front left and right speakers.

# Description of Dolby Pro Logic II: Music mode

Panorama mode : Expands the image of front-channel stereo to the surround speakers to create a sound environment that fills your surroundings. (To change the Panorama mode, press **SOUND** key at the time of Dolby Pro Logic II Music mode. Display the **PANO R OFF** or **ON**, then press the **TRIM** ( $\triangle/\nabla$ ) keys to select **ON** or **OFF**.)

Dimension

: This controls the balance between the Front and Rear in 2 steps on the front and 2 steps on the rear. Set this parameter to one of the Front steps if the surround effect is too strong, or to one of the Back steps if it is too weak. (To change the Dimension, press **SOUND** key twice at the time of Dolby Pro Logic II Music mode. Display the **DIMEN 0** (or other value), then press the **TRIM** (△/▼) keys to select **F-2**, **F-3**, **R-2** or **R-3**.)

Center Width

: The center channel signal can be divided and distributed to the Front L/R channels.

The adjustment for distributing the center channel signal to the front channels can be applied in eight steps from 0 to 7. Use this adjustment when the center image seems to be too strong. (To change the Center Width, press **SOUND** key 3 times at the time of Dolby Pro Logic II Music mode. Display the **C WIDTH 3** (or other value), then press the **TRIM** ( $\triangle/\nabla$ ) keys to select **0** ~**7**.)



The INPUT/OUTPUT status indicator becomes an input indicator at the time of DOLBY DIGITAL and DTS source and an output indicator at all other times.

# Operation

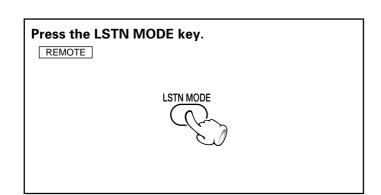
# To set the LISTEN mode manually

According to the contents of the disc played in this unit, the LISTEN MODE (selected by the LSTN MODE key) can be found in the following table

		DI	sc			Input
SOURCE LISTEN MODE	DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL (2ch)	DTS	VCD/CD (PCM, MP3)	*SAT/AV AUX Digital COAX/OPTI	SAT/VCR/AV AUX ANALOG
DOLBY DIGITAL	0				$\circ$	
DTS			$\circ$			
DOLBY PRO LOGIC II		$\bigcirc$				
DOLBY PRO LOGIC		0			0	
CIRCLE SURROUND (CS-5.1)					0	0
DSP ARENA JAZZ CLUB THEATER STADIUM DISCO					0	0
STEREO	0		0			0

The indicator for the presently selected LISTEN mode will light.

<sup>\*</sup>Selectable Listen modes by **SAT / AV AUX** Digital input differs according to the input source.



Each press switches the modes as shown below.

(At the time of PCM source)

- ① DOLBY PL II MOVIE
- ② DOLBY PL II MUSIC
- **3 DOLBY PRO LOGIC**
- **4 CIRCLE SURROUND**
- **⑤ ARENA**
- 6 JAZZ CLUB
- 7 THEATER
- **8 STADIUM**
- 9 DISCO
- 10 STEREO

(At the time of DTS source)

\_**►** ① DTS

– 2 DTS STEREO

(At the time of DOLBY DIGITAL source)

**→** ① DOLBY DIGITAL

- ② STEREO



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



Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942 and other worldwide patents issues and pending. "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc. © 1996 Digital Theater Systems, Inc. All rights reserved.

Sound Retrieval System manufactured under licence from SRS Labs, Inc. "SOUND RETRIEVAL SYSTEM" and the SRS Symbol SRS ( ) are trademarks of SRS Labs, Inc. Purchase of this product does not convey the right to sell recordings mode with the SOUND RETRIEVAL SYSTEM.

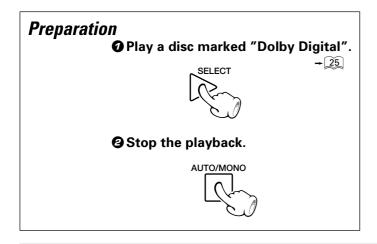
#### DTS disclaimer clause

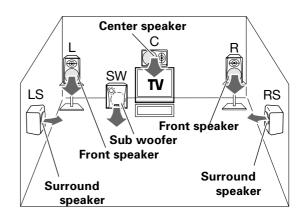
DTS Digital Surround™ is a discrete 5.1 channel digital audio format available on CD, LD, and DVD software which consequently cannot be decoded and played back inside most CD, LD, or DVD players. For this reason, when DTS-encoded software is played back through the analog outputs of the CD, LD, or DVD player, excessive noise will be exhibited. To avoid possible damage to the audio system, proper precautions should be taken by the consumer if the analog outputs are connected directly to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the digital output (S/P DIF, AES/EBU, or TosLink) of the CD, LD or DVD player.

This unit is equipped with DTS Digital Surround™ decoder.

### Positioning the speakers

To achieve the optimum effects obtainable with this SURROUND SOUND system, it is important to position the speakers properly. Refer to the following illustration to find the best location in your room.





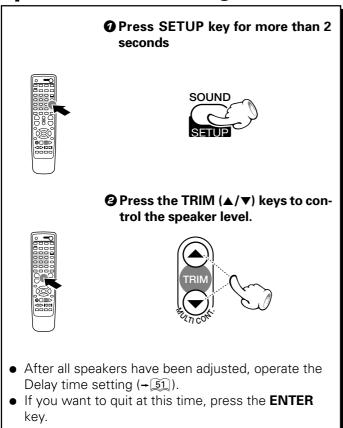
For this unit, the speaker levels have been set in advance so that the best volume balance is obtained with standard use.

#### Initial set values for the speaker level

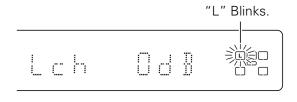
Left Front channel (Lch)(L) : 0dB Center channel (Cch)(C) : 0dB Right Front channel (Rch)(R) : 0dB Right Surround channel (RSch)(RS) :+6dB Left Surround channel (LSch)(LS) :+6dB Subwoofer(SW) : 0dB

Reset as follows to match your listening environment.

# Speaker level setting



The test tone is played back from the Left Front speaker. Adjust the **VOLUME CONTROL** so that it is slightly loud and fix it there.



The speakers will be switched as follows in intervals of about 2 seconds.

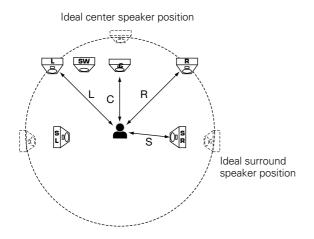
$$ightharpoonup$$
L $ightharpoonup$ C $ightharpoonup$ RS $ightharpoonup$ LS $ightharpoonup$ SW $ightharpoonup$ 

Adjust the volume with the TRIM (▲/▼) keys while the indicator is flashing so that the volume from all speakers except the subwoofer (SW) appears the same. Level adjustment is possible in the range from -10 dB to +10 dB.



As the subwoofer (SW) has a special playback band, normal adjustment is not possible with the test tone. Please adjust the subwoofer while listening to actual music. (+52)

The ideal listening position for 6-channel surround playback is the point at equal distance from all speakers. By setting the delay time for the center and surround speakers, this item realizes the ideal listening position virtually. (The center and surround speakers can be set as if they are laid out on the dotted line circle shown below.)



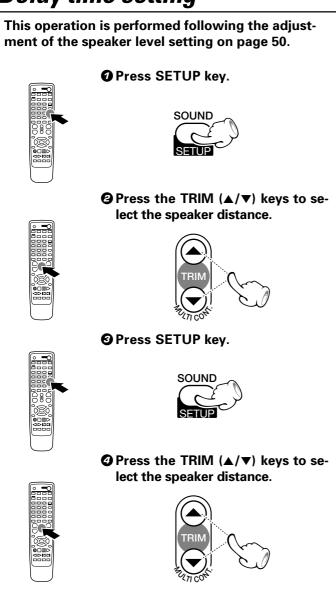
#### How to set the delay time

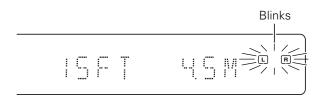
Delay time setting sets the delay time converted to the distance from the speaker to the listening position.

The front speakers (L/R) can be adjusted between 40 feet (12 m) and 3 feet (0.9 m).

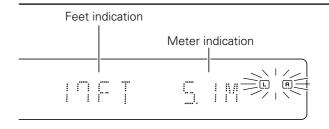
The range which can be set for the center speaker (C) and the surround speakers (LS/RS) duffers according to the setting for the front speakers. A longer distance than for the front speakers can not be set.

# Delay time setting





Return to the original display is made when no operation is performed for about 5 seconds.



The process advances to center speaker adjustment when the SETUP key is pressed.

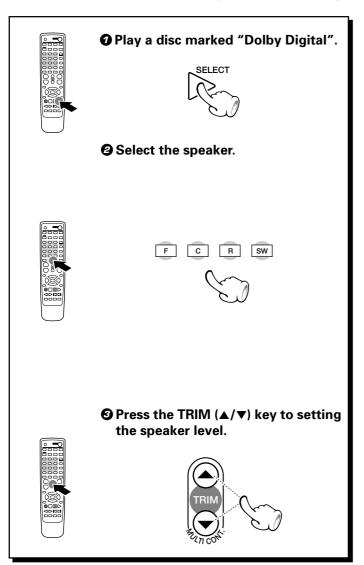


Repeat ② and ② in the same way to adjust the surround speakers.

# Changing the INPUT MODE

# Level setting using a music source

A music source can be used for speaker level setting and subwoofer level setting.



#### Speaker level adjustment can be performed by pressing the keys F, C, R, and SW.

F: Front speakers

Switching is done as follows each time the switch is pressed.

→ 1) L ch : Left speaker └ ② R ch : Right speaker

C: Center speaker

R: Rear (Surround) speakers

Switching is done as follows each time the switch

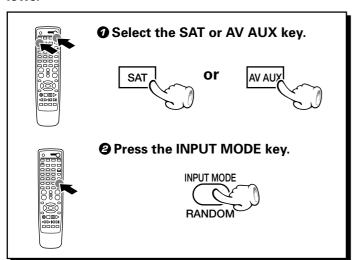
↑ 1 LS ch : Left surround speaker igspace 2 RS ch : Right surround speaker

SW: Subwoofer

The speaker level can be changed in the range from -10 dB to +10 dB.

# Changing the INPUT MODE

The input mode can be switched with SAT and AV AUX. For listening to SAT input with high sound quality, connect the digital output of your satellite tuner with coaxial or optical cable and change the input mode as follows.





When the video is displayed, but no sound is put out, the source may not contain digital audio. In such a case, please switch to ANALOG.

#### Each press switches the mode.

**SAT input** 

**AV AUX input** 

→ ① ANALOG

→ ① ANALOG

② COAXIAL **③ OPTICAL** 

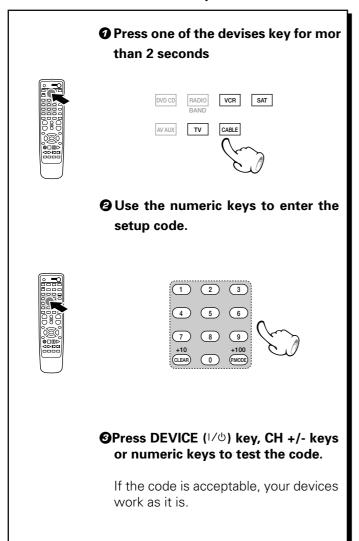
OPTICAL

# Control of a different device with the accessory remote controller

DVR-505/DVR-7000 (EN)

# Register the setup codes for your audio and video

The devices which can be set up are VCR SAT (satellite tuner), TV, and CABLE TV).



The LED on the remote control unit lights.

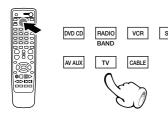


Refer to the code table and enter the 4-digit setup code while the LED on the remote control unit is lit. (+54)

- The LED goes out when the code is not correct or not recognized.
- When the setup code has been recognized, the LED flashes 3 times and setup is completed.

# Operating other devises

**O** Press one of devises key for operate.



② Press DEVICE I/७. key to devise power on.



DEVICE

**3** Press devise operate key.

(Keys which can be used to operate connected devices



# Setup code table (for U.K.)

#### TV

TV				
BRAND		Setup	codes	
ACURA	0024			
ADMIRAL	0102	0178		
ADYSON	0232			
AKAI	0223	0376		
AKURA	0233	0279		
ALBA	0024	0052	0233	0386
ALLOGAN	0309			
AMPLIVISION	0232			
AMSTRAD	0024	0052	0386	
ANITECH	0024			
ARCAM	0231	0232		
ASA	0102			
ASUKA	0233			
ATLANTIC	0221			
AUDIOSONIC	0052	0124		
AUTOVOX	0102	0221		
BAIRD	0358			
BANG & OLUFSEN	0102			
BASIC LINE	0024	0233		
BAUR	0025	0052	0364	0376
	0527			
BEKO	0385			
BEON	0052			
BINATONE	0232			
BLAUPUNKT	0206	0210	0215	0342
	0343			
BLUE SKY	0233			
BLUE STAR	0297			
BONDSTEC	0262			
BOOTS	0232			
BPL	0297			
BRANDT	0124	0350		
BRIONVEGA	0102			
BRITANNIA	0231			
BRUNS	0102			
BSR	0309			
BTC	0233			
BUSH	0024	0052	0233	0297
	0309	0364	0386	0389
	0534			
CASCADE	0024			
CATHAY	0052			
CENTURION	0052			
CENTURY	0102			
CGE	0262			
CIMLINE	0024			
CLARVOX	0052			
CLATRONIC	0262	0385		
CONDOR	0335	0385		
CONTEC	0024	0231		
CONTINENTAL EDIS	0414			
CROSLEY	0102			
CROWN	0024	0052	0385	0433
CS ELECTRONICS	0231			
CTC	0262			
CYBERTRON	0233			
DAEWOO	0024	0052	0389	
DAINICHI	0233			
DANSAI	0052			
DAYTON	0024			
DE GRAAF	0223	0563		
DECCA	0052	0087		
DIXI	0024	0052		
DUAL	0534			
DUAL TEC	0232			
DUMONT	0102			
ELIN	0052	0563		
ELITE	0233	0335		
ELTA	0024			

BRAND		Setup	codes	
EMERSON	0102	0376	coucs	
ERRES	0052	0370		
EXPERT	0221			
FERGUSON	0052	0124	0253	0202
FERGUSUN			0255	0302
FIDELITY	0350	0358		
FIDELITY	0213	0376		
FINLANDIA	0223	0374		
FINLUX	0052	0087	0102	
FIRSTLINE	0024	0231	0232	0262
	0309	0336		
FISHER	0223	0232	0385	
FLINT	0470			
FORMENTI	0052	0102	0335	
FRONTECH	0178	0262	0279	
FUJITSU	0087	0221		
FUNAI	0279	0309		
GEC	0052	0087	0232	
GELOSO	0024	0007	0202	
		0000		
GENEXXA	0178	0233	0000	
GOLDSTAR	0052	0124	0232	
GOODMANS	0052	0087	0232	0332
	0358	0386	0389	
GORENJE	0385			
GPM	0233			
GRAETZ	0178	0376		
GRANADA	0052	0087	0223	0232
	0374			
GRANDIN	0297			
GRUNDIG	0206	0210		
HANSEATIC	0052	0335	0376	0571
HCM			0370	0371
	0024	0297	0000	
HINARI		0052	0233	
HISAWA	0297	0470		
HITACHI	0124	0178	0232	0240
	0364	0563		
HUANYU	0231	0389		
HYPSON	0052	0279	0297	
ICE	0232	0279	0386	
ICES	0233			
IMPERIAL	0262	0385	0433	
INDIANA	0052			
INGELEN	0178			
INNO HIT	0087			
INTERFUNK	0052	0178	0262	0376
IIVILIII OIVIX		0170	0202	0370
INTERVICIONI	0527	0117	0000	0070
INTERVISION	0052	0117	0232	0279
ISUKAI	0233			
ITS	0386			
ITT	0178	0376	0563	
JVC	0068	0109	0386	
KAISUI	0024	0231	0232	0233
	0297			
KAPSCH	0178	0221		
KATHREIN	0571			
KENDO	0052			
KENWOOD	0328			
KINGSLEY	0231			
KNEISSEL	0450			
KORPEL				
	0052			
KORTING	0102			
KOYODA	0024			
LEYCO	0052	0087	0279	0309
LIESENK &TTER	0052			
LOEWE	0090	0102	0304	0527
LUMA	0221			
LUXOR	0364	0376		
LUXOR	0376			
MAGNADYNE	0102	0117	0262	
10.1/10 ITAL	3102	0117	J2J2	

MAGNAFON

0117

BRAND		Satur	oodos	
	0000		codes	
MANESTH	0232		0335	
MARANTZ	0052	0571		
MARELLI	0102			
MARK	0052		2050	2050
MATSUI	0024		0050	
	0087	0223	0232	0309
	0386			
MEDIATOR	0052			
M ELECTRONIC	0024	0052		0178
	0232	0302	0389	
MEMOREX	0024			
METZ	0102			
MITSUBISHI	0102	0123	0527	
MIVAR	0231	0328		
MTC	0364	0527		
MULTITECH	0024	0117	0231	
NECKERMANN	0052	0102	0206	0364
	0571			
NEI	0052			
NIKKAI	0050	0052	0087	0231
	0233	0279		
NOBLIKO	0117			
NOKIA	0376	0563		
NORDMENDE	0124	0302	0358	
OCEANIC	0178	0376		
ORION	0052	0309	0335	0336
OSAKI	0087	0232	0233	0279
OSO	0233			
OSUME	0087	0172		
OTAKE	0332			
OTTO VERSAND	0025	0052	0206	0232
	0335		0364	
	0571	0000		0027
PALLADIUM	0385	0433		
PANAMA	0232	0279		
PANASONIC	0141	0178	0241	0265
PATHE CINEMA	0231	0253	0335	0200
PAUSA	0024	0200	0000	
PERDIO	0335			
PHILCO	0102	0262		
PHILIPS	0052	0102	0389	0571
PHOENIX	0102	0102	0303	0371
		0102		
PHONOLA	0052		0000	
PIONEER	0124			
PROFEX	0004	0178	0302	
	0024	0178	0302	
PROLINE	0336	0376		0000
	0336 0024	0376	0117	0232
PROLINE PROTECH	0336 0024 0262	0376 0052 0279	0117 0433	
PROLINE	0336 0024 0262 0025	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH QUELLE	0336 0024 0262 0025 0342	0376 0052 0279	0117 0433	
PROLINE PROTECH QUELLE R-LINE	0336 0024 0262 0025 0342 0052	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA	0336 0024 0262 0025 0342 0052	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI	0336 0024 0262 0025 0342 0052 0052	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION	0336 0024 0262 0025 0342 0052 0052 0102 0376	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX	0336 0024 0262 0025 0342 0052 0052 0102 0376 0052	0376 0052 0279 0026 0343	0117 0433 0052 0376	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178	0376 0052 0279 0026	0117 0433 0052	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102	0376 0052 0279 0026 0343	0117 0433 0052 0376	0215
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178	0376 0052 0279 0026 0343 0221	0117 0433 0052 0376 0279	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102	0376 0052 0279 0026 0343 0221	0117 0433 0052 0376	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024	0376 0052 0279 0026 0343 0221	0117 0433 0052 0376 0279	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090	0376 0052 0279 0026 0343 0221 0233 0102	0117 0433 0052 0376 0279 0279 0124	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302	0376 0052 0279 0026 0343 0221 0233 0102	0117 0433 0052 0376 0279 0279 0124	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253	0376 0052 0279 0026 0343 0221 0233 0102 0350	0117 0433 0052 0376 0279 0279 0124 0358	0215 0527
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026	0117 0433 0052 0376 0279 0279 0124 0358	0215 0527 0433 0178
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024 0178	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026	0117 0433 0052 0376 0279 0279 0124 0358	0215 0527 0433 0178
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO SALORA	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024 0178 0563	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026	0117 0433 0052 0376 0279 0279 0124 0358	0215 0527 0433 0178
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO SALORA  SAMBERS	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024 0178 0563 0177	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026 0364	0117 0433 0052 0376 0279 0279 0124 0358 0279 0374	0215 0527 0433 0178
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO SALORA  SAMBERS	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024 0178 0563 0177 0024 0279	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026 0364	0117 0433 0052 0376 0279 0279 0124 0358 0279 0374	0215 0527 0433 0178
PROLINE PROTECH  QUELLE  R-LINE PADIOLA RADIOMARELLI REDIFFUSION REVOX REX RFT ROADSTAR SABA  SACCS SAISHO SALORA  SAMBERS SAMSUNG	0336 0024 0262 0025 0342 0052 0102 0376 0052 0178 0102 0024 0090 0302 0253 0024 0178 0563 0177 0024	0376 0052 0279 0026 0343 0221 0233 0102 0350 0026 0364	0117 0433 0052 0376 0279 0279 0124 0358 0279 0374	0215 0527 0433 0178

DVR-505/DVR-7000 (EN)

# Setup code table (for U.K.) (continued)

#### TV (continued)

BRAND		Setup	codes	
SBR	0052			
SCHAUB LORENZ	0376			
SCHNEIDER	0052	0233	0262	0386
	0409			
SEG	0232	0279		
SEI	0102	0117	0309	
SEI-SINUDYNE	0025			
SELECO	0178	0221		
SENTRA	0050			
SHARP	0108			
SHORAI	0309			
SIAREM	0102	0117		
SIEMENS	0052	0172	0206	0210
SILIVILING	0215	0342	0343	0210
SINGER	0102	0342	0343	
SINUDYNE		0117	0200	
	0102	0117	0309	
SOLAVOX	0178			
SONITRON	0223	0050		
SONOKO	0024	0052		
SONOLOR	0178	0223		
SONTEC	0052			
SONY	0025	0026		
SOUNDWAVE	0052	0433		
STANDARD	0024	0232	0233	
STERN	0178	0221		
SUNKAI	0309	0336		
SUSUMU	0233			
SYSLINE	0052			
TANDY	0087	0178	0232	0233
TASHIKO	0232	0374		
TATUNG	0052	0087	0232	
TEC	0232	0262		
TECHNEMA	0335			
TECHNICS	0265			
TELEAVIA	0358			
TELEFUNKEN	0124	0350	0358	
TELEMEISTER	0335			
TELETECH	0024			
TELETON	0221	0232	0364	
TENSAI	0233	0309		0335
TEXET	0233	0233	0002	0000
THOMSON	0124	0233	0358	0364
THOMSON	0414	0002	0000	0004
THORN		0053	0007	0250
THORN	0050		0087	0358
TOMACLU	0376	0527		
TOMASHI	0297			
TOSHIBA	0050			
UHER	0221	0335		
ULTRAVOX	0117			
UNIVERSUM	0052	0279	0385	
VESTEL	0052			
VIDEOSAT	0262			
VIDEOTECHNIC	0232			
VISION	0335			
VOXSON	0102	0178		
WALTHAM	0232			
WATSON	0052	0335		
WATT RADIO	0117			
WEGA	0102			
WHITE	0052	0231	0335	
WESTINGHOUSE				
0				
YOKO	0052	0232	0279	

#### VCR

/CR		Cc+	aa-l	
BRAND	001-		codes	
AIWA	0015	0363	0000	
AKAI	0056	0121	0330	
AKIBA ALBA	0087	0007	0224	0202
VLDW	0330	000/	UZZ4	UZ33
AMBASSADOR	0035			
AMSTRAD	0035	0293		
ANITECH	0013			
ASA	0052	0096		
ASUKA	0052			
BAIRD	0015	0056	0119	
BASIC LINE	0035	0087	0293	
BLAUPUNKT	0021	0049	0177	0210
	0241	0242		
BLUE SKY	0293			
BRANDT	0202	0335	0336	
BRANDT ELECTRONI		0004	0000	
BUSH		0224	0293	
CATRON	0035			
CGE	0015 0087			
CLATRONIC	0035			
CONDOR	0035			
CROWN	0035	0087	0293	
CYRUS	0096			
DAEWOO	0035	0293		
DANSAI	0087			
DE GRAAF	0057	0181		
DECCA	0015	0096		
DENON	0057			
DUAL	0056			
DUMONT	0015	0096	0119	
ELCATECH	0087			
ESC	0255	0293	0000	
FERGUSON FIDELITY	0056	0335	0336	
FINLANDIA	0015	0119		
FINLUX	0030	0057	0096	0119
FIRSTLINE	0052	0058		
	0224			
FISHER	0061	0119		
FRONTECH	0035			
FUNAI	0015			
GEC	0096			
GENERAL	0035			
GOLDHAND	0087			
GOLDSTAR	0052	0240		
GOODMANS	0015	0035	0052	0087
ODAFT	0293		00==	
GRAETZ				
	0056	0119	0255	
GRANADA	0061	0096	0119	
GRANADA GRANDIN	0061 0015	0096 0052	0119 0087	0006
GRANADA	0061 0015 0021	0096 0052 0022	0119 0087 0087	0096
GRANADA GRANDIN GRUNDIG	0061 0015 0021 0210	0096 0052	0119 0087 0087	0096 0362
GRANADA GRANDIN GRUNDIG HANSEATIC	0061 0015 0021 0210 0052	0096 0052 0022	0119 0087 0087	
GRANADA GRANDIN GRUNDIG HANSEATIC HCM	0061 0015 0021 0210 0052 0087	0096 0052 0022 0222	0119 0087 0087 0241	
GRANADA GRANDIN GRUNDIG HANSEATIC	0061 0015 0021 0210 0052	0096 0052 0022 0222	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG HANSEATIC HCM HINARI	0061 0015 0021 0210 0052 0087 0019	0096 0052 0022 0222 0087	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG HANSEATIC HCM HINARI	0061 0015 0021 0210 0052 0087 0019	0096 0052 0022 0222 0087 0019	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI	0061 0015 0021 0210 0052 0087 0019 0015 0181	0096 0052 0022 0222 0087 0019	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI HYPSON	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087	0096 0052 0022 0222 0087 0019	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI HYPSON IMPERIAL	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015	0096 0052 0022 0222 0087 0019	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI HYPSON IMPERIAL INGERSOL	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015	0096 0052 0022 0222 0087 0019	0119 0087 0087 0241 0255	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI HYPSON IMPERIAL INGERSOL INTERFUNK	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015 0019	0096 0052 0022 0222 0087 0019 0255	0119 0087 0087 0241 0255 0056	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI HYPSON IMPERIAL INGERSOL INTERFUNK ITT	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015 0019 0096	0096 0052 0022 0222 0087 0019 0255	0119 0087 0087 0241 0255 0056	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI  HYPSON IMPERIAL INGERSOL INTERFUNK ITT  ITV JVC	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015 0019 0096 0056 0255 0056	0096 0052 0022 0222 0087 0019 0255	0119 0087 0087 0241 0255 0056	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI  HYPSON IMPERIAL INGERSOL INTERFUNK ITT  ITV JVC KAISUI	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015 0019 0096 0056 0255 0052 0056 0087	0096 0052 0022 0222 0087 0019 0255 0061 0399 0293 0082	0119 0087 0087 0241 0255 0056	0362
GRANADA GRANDIN GRUNDIG  HANSEATIC HCM HINARI HITACHI  HYPSON IMPERIAL INGERSOL INTERFUNK ITT  ITV JVC	0061 0015 0021 0210 0052 0087 0019 0015 0181 0087 0015 0019 0096 0056 0255 0056	0096 0052 0022 0222 0087 0019 0255 0061 0399 0293	0119 0087 0087 0241 0255 0056	0362

BRAND		Setup	codes	
KORPEL	0087			
LENCO	0293	0087	0050	
LOEWE	0019	0021	0052	0096
LOGIK	0177	0255		
LUXOR	0019	0255 0061	0063	0119
LOXON	0121	0001	0003	0119
M ELECTRONIC	0015			
MANESTH	0060	0087		
MARANTZ	0021	0096		
MATSUI	0019	0224	0363	
MEMOPHIS	0087			
MEMOREX	0015	0052	0061	0119
METZ	0021	0052	0177	0210
	0242	0362		
MINERVA	0021	0210		
MITSUBISHI	0058	0082	0096	
MULTITECH	0015	0087		
MURPHY	0015			
NECKERMANIN	0056	0082		
NECKERMANN	0096			
NESCO NOKIA	0087	0061	0119	0121
NOKIA	0255	0061	0119	UIZI
NORDMENDE	0255	0335	0336	0399
OCEANIC	0015	0056	5550	0000
OKANO	0330	0363		
ORION	0019	0224	0363	
OSAKI	0015	0052	0087	
OTTO VERSAND	0096			
PALLADIUM	0021	0052	0056	0087
PANASONIC	0177	0241	0242	0631
PATHE MARCONI	0056			
PENTAX	0057			
PERDIO	0015			
PHILIPS	0096	0399		
PHONOLA	0096	0000		
PIONEER PORTLAND	0082	0096		
PROFEX	0035			
PROFITRONIC	0255			
PROLINE	0015			
PYE	0096			
QUARTZ	0061			
QUELLE	0096			
RADIOLA	0096			
REPLAYTV	0629	0631		
REX	0056	0399		
ROADSTAR	0052	0087	0255	0293
SABA	0056	0222	0335	0336
	0399			
SAISHO	0019	0244		
SALORA	0058	0061	0121	
SAMSUNG	0255	0447		
SANSUI SANYO	0056 0061	0082		
SBR	0096	0113		
SCHAUB LORENZ	0030	0056	0119	
SCHNEIDER	0015	0087	0096	
SEG	0255	0337		
SEG		0096		
SEI	0019	0000		
	0019 0056	- 0000		
SEI				
SEI SELECO	0056			
SEI SELECO SENTRA	0056 0035	0119		
SEI SELECO SENTRA SHARP SHINTOM SHORAI	0056 0035 0063 0087 0019	0119		
SEI SELECO SENTRA SHARP SHINTOM	0056 0035 0063 0087 0019		0096	0119
SEI SELECO SENTRA SHARP SHINTOM SHORAI	0056 0035 0063 0087 0019	0119	0096	0119

SINGER

0060

# Setup code table (for U.K.) (continued)

#### VCR (continued)

V CIT (COIILIIIU	<del></del>			
BRAND		Setup	codes	
SINUDYNE	0019	0096		
SOLAVOX	0035			
SONOLOR	0061			
SONTEC	0052			
SONY	0047	0048	0049	
SUNKAI	0363			
SUNSTAR	0015			
SUNTRONIC	0015			
TASHIKO	0015			
TATUNG	0015	0056	0096	
TEC	0035			
TECHNICS	0177	0241		
TELEAVIA	0056			
TELEFUNKEN	0056	0202	0335	0336
	0399			
TENOSAL	0087			
TENSAI	0015	0337		
THOMSON	0056	0335	0399	
THORN	0056	0119		
TIVO	0633			
TOSHIBA	0056	0058	0060	0096
	0399			
TOWADA	0337			
UHER	0255			
UNIVERSUM	0015	0021	0052	0096
	0121	0210	0255	
YAMISHI	0087			
YOKAN	0087			
YOKO	0035	0255		

## CABLE

	Setup codes
0291	
0018	0120
0438	
0018	0291
0018	
0023	0292
0018	
0120	
	0018 0438 0018 0018 0023 0018

SATELLITE				
BRAND		Setup	codes	
AKAI	0530	·		
ALBA	0377	0436	0470	0530
	0628			
ALDES	0303			
AMSTRAD	0095	0267	0360	0476
	0516			
ANKARO	0235	0303	0384	
ANTTRON	0198	0436		
ARMSTRONG	0258			
AST	0366			
ASTRA	0123			
ASTRO	0188	0516		
AVALON	0411			
AXIS	0384			
BEST	0384			
BLAUPUNKT	0188			
BOCA	0258	0528		
BT	0530	0683		
BUSH	0082			
CAMBRIDGE	0359	0530		
CHANNEL MASTER	0377			
COMMLINK	0303			
CONNEXIONS	0411			
CONRAD	0622			
CROWN	0258			
CYRUS	0215			
DDC	0377			
DNT	0215	0411		
ECHOSTAR	0411	0728		
EMANON	0436			
FERGUSON	0082	0198	0351	
FIDELITY	0267	2052	0.470	
FINLUX	0123	0359	0470	
FREECOM	0436	0444	0.400	
FUBA	0384	0411	0436	
GALAXIS	0303			
GOODING	0586 0188	0506	0765	
GRUNDIG G-SAT	0198	0586	0705	
HINARI	0198			
HIRSCHMANN	0188	0516	0588	
HITACHI	0470	0510	0000	
HOUSTON	0683			
HUTH	0235	0258	0303	
INTERVISION	0607	0230	0000	
ITT	0123			
JVC	0530	0586		
KATHREIN	0107	0188	0215	0457
	0519	0673		
KREISELMEYER	0188			
KYOSTAR	0436			
LA SAT	0528	0622		
LENCO	0436			
LENNOX	0607			
LUPUS	0384			
LUXOR	0123	0588		
MANHATTAN	0470	0607		
	, 5			

SATELLITE (co	ontinu	ıed)		
BRAND		Setup	codes	
MARANTZ	0215			
MASPRO	0107	0351	0765	
MATSUI	0359	0586		
METIAMARKT	0258			
MORGAN'S	0258	0528		
NEUHAUS	0516			
NEWHAUS	0235			
NIKKO	0375	0728		
NOKIA	0123	0470	0588	
NORDMENDE	0377	0 17 0		
NUBERVA	0586			
ORBITECH	0516			
OXFORD	0359			
PACE	0082	0198	0351	0470
TAGE	0806	0100	0001	0470
PALLADIUM	0586			
PALSAT	0516			
PANDA	0470			
PHILIPS	0215	0207	0470	0506
FILLIFS	0765	0307	0470	0360
PHONOTREND		0607		
PROMAX	0303	0607		
PROSAT	0303			
<b>-</b>		0642		
QUADRAL	0377	0643		
RADIOLA RADIX	0215			
RFT	0215	0005	0202	
SABA		0235	0303	
SABRE	0351			
SALORA	0123			
SAT	0366	0476		
SATEC	0198	0470		
SATPARTNER	0436			
SCHWAIGER	0198	0519		
SEEMANN	0411	0010		
SEG	0384	0436		
SIEMENS	0188	0430		
SKYMASTER	0303	0643	0728	
SM ELECTRONIC	0728	00-0	0720	
SUNSTAR	0528			
TANTEC	0351	0470		
TECHNISAT	0277	0516		
TELEFUNKEN	0436	0310		
TELEKA	0258	0628		
THOMSON	0470	0020		
TONNA	0683			
TRIAD	0366			
TRIASAT	0516			
UNIVERSUM	0188	0586		
VENTANA	0215	0000		
VORTEC	0436			
VTECH	0366			
WISI	0188	0366	0411	0470
	0.00	5500	U . I I	J U

# Setup code table (for U.S.A., Canada and other countries)

TV				
BRAND		Setup	codes	
ADMIRAL	0108	0478		
AIKO	0107			
AKAI	0045			
ALARON	0194			
AMERICA ACTION	0195			
AMPRO	0766			
ANAM	0195			
AOC	0034	0045		
AUDIOVOX	0107	0195	0466	
BAYSONIC	0195	0100	0400	
BELCOR	0034	0400		
BELL & HOWELL	0031	0169		
BRADFORD	0195			
BROCKWOOD	0251	0478		
CANDLE	0045	0071		
CARNIVALE	0045			
CARVER	0069			
CELEBRITY	0015			
CINERAL	0107	0466		
CITIZEN	0045	0071	0075	0107
CONCERTO	0071			
CONTEC	0195			
CRAIG	0195			
CROSLEY	0069			
CROWN	0195			
CURTIS MATHES	0031	0045	0062	0066
COTTIONATILE	0069	0071	0075	
	0160	0169		0466
0.40	0481	1162	1362	
CXC	0195			
DAEWOO	0034	0107	0466	
DAYTRON	0034			
DENON	0160			
DUMONT	0032	0034		
DWIN	0735	0789		
ELECTROBAND	0015			
EMERSON	0034	0169	0193	0194
	0195	0251	0297	0478
ENVISION	0045			
FISHER	0169			
FUJITSU	0194	0698		
FUNAI	0186	0194	0195	
FUTURETECH	0195			
GE	0036	0062	0066	0108
	0193	0297	0466	
	1362	0207	0.00	
GIBRALTER		0034	0045	
GRADIENTE	0032		0040	
		0071		
GRUNPY	0194	0195		
HALLMARK	0193			
HARLEY DAVIDSON	0194			
HARMAN/KARDON	0069			
HARVARD	0195			
HITACHI	0031	0071	0160	
INFINITY	0069			
INTEQ	0032			
JBL	0069			
JCB	0015			
JVC	0068			
KEC	0195			
KENWOOD	0034	0045		
KTV	0045	0195		
.51.4	JU+J	0100		

BRAND		Setup	codes	
LG(GOLDSTAR)	0034	0045	0071	0193
LOGIK	0031			
LUXMAN	0071			
LXI	0062	0069	0169	0171
	0193			
MAGNAVOX	0045	0069	0194	
MAJESTIC	0031			
MARANTZ	0045	0069		
MATSUSHITA	0265			
MEGATRON	0160	0193		
MEMOREX	0031	0071	0165	0169
	0193	0265	0478	
MGA	0034	0045	0165	0193
MIDLAND	0032	0062	0066	
MINUTZ	0036			
MITSUBISHI	0034	0108	0165	0193
MOTOLORA	0108			
MTC	0034	0045	0071	0075
MULTITECH	0195			
NAD	0171	0181	0193	
NEC	0034	0045	0071	
NIKKO	0045	0107	0193	
NTC	0107	5107	0.100	
ONWA	0195			
OPTIMUS	0169	0181	0265	
OPTONICA	0103	0180	0200	
ORION	0108	0251	0478	
PANASONIC	0034			0062
PANASONIC	0034			
	0193	1362	0075	0171
PHILCO	0034	0045	0069	0160
FHILCO	0478	0045	0009	0100
PHILIPS	0069			
		0045		
PILOT PIONEER	0034	0045		
PORTLAND	0181	0107		
PRISM	0034	0107		
PROSCAN	0066			
	0062	0401		
PROTON	0193	0481		
PULSAR	0032	0034	0005	
QUASAR	0066	0180	0265	0074
RADIOSHACK	0034	0045	0062	0071
DCA	0169	0180	0193	0195
RCA	0034	1062	0066	0105
	0108	1062	1162	1262
DEALICTIC	1362		0071	04.00
REALISTIC	0034	0045	0071	0169
DUNGS	0180	0193	0195	
RUNCO	0032	0045		
SAMPO	0045	00:-	00=:	0075
SAMSUNG	0034	0045	0071	0075
	0193			
SANSEI	0466			
SANSUI	0478			
SANYO	0169			
SCIMITSU	0034			
SCOTCH	0193			
SCOTT	0034	0193	0194	0195
	0251			
SEARS	0062	0069	0071	0169
SEMIVOX	0171 0195	0186	0193	0194

BRAND		Setup	codes	
SEMP	0171			
SHARP	0108	0180		
SHOGUN	0034			
SIGNATURE	0031			
SONY	0015			
SOUNDESIGN	0193	0194	0195	
SSS	0034	0195		
STARLITE	0195			
SUPREME	0015			
SQUAREVIEW	0186			
SYLVANIA	0045	0069		
SYMPHONIC	0186			
TANDY	0108			
TECHNICS	0066	0265		
TECHNOL ACE	0194			
TECHWOOD	0066	0071		
TEKNIKA	0031	0034	0069	0071
	0180	0193	0194	
TMK	0071	0193		
WHITE WESTINGHOUSE	0478			
YAMAHA	0034	0045		
ZENITH	0031	0032	0107	0478

# perations

# Setup code table (for U.S.A., Canada and other countries) (continued)

#### VCR

BRAND         Setup codes           ADMIRAL         0063         0224           AIKO         0293	4
AIKO 0293  AIWA 0015 0052  AKAI 0056 0064 0068  AMERICA ACTION 0293  AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 0220 0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
AIWA 0015 0052  AKAI 0056 0064 0068  AMERICA ACTION 0293  AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 0226  0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
AIWA 0015 0052  AKAI 0056 0064 0068  AMERICA ACTION 0293  AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 0226  0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
AKAI 0056 0064 0068  AMERICA ACTION 0293  AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 0225  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
AMERICA ACTION 0293  AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 0226  0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	14
AMERICAN HIGH 0050  ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 022- 0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
ASHA 0255  AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 022- 0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
AUDIOVOX 0052  BEAUMARK 0255  BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 022- 0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
BEAUMARK         0255           BELL & HOWELL         0119           BROCKSONIC         0224           BROKSONIC         0017         0136         0199         022-00376           CALIX         0052         0052         0052         0052         0052         0052         0052         0052         0052         0052         0052         0052         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0087         0052         0062         0062         0062         0063         0052         0063         006	4
BELL & HOWELL 0119  BROCKSONIC 0224  BROKSONIC 0017 0136 0199 022- 0376  CALIX 0052  CANON 0050  CARVER 0096  CCE 0087 0293  CITIZEN 0052 0293  COLT 0087  CRAIG 0052 0062 0087 025	4
BROCKSONIC         0224           BROKSONIC         0017         0136         0199         0224           0376         0376         0199         0224           CALIX         0052         0052           CANON         0050         0060           CARVER         0096         0097           CCE         0087         0293           CINERAL         0293         0052           COLT         0087         0062           CRAIG         0052         0062         0087         025	4
BROKSONIC         0017         0136         0199         022-           0376         CALIX         0052         CANON         0050           CARVER         0096         CCE         0087         0293           CINERAL         0293         CITIZEN         0052         0293           COLT         0087         COLT         0087           CRAIG         0052         0062         0087         025	4
0376       CALIX     0052       CANON     0050       CARVER     0096       CCE     0087     0293       CINERAL     0293       CITIZEN     0052     0293       COLT     0087       CRAIG     0052     0062     0087     025	4
CALIX     0052       CANON     0050       CARVER     0096       CCE     0087     0293       CINERAL     0293       CITIZEN     0052     0293       COLT     0087       CRAIG     0052     0062     0087     025	
CANON     0050       CARVER     0096       CCE     0087     0293       CINERAL     0293       CITIZEN     0052     0293       COLT     0087       CRAIG     0052     0062     0087     025	
CARVER         0096           CCE         0087         0293           CINERAL         0293           CITIZEN         0052         0293           COLT         0087           CRAIG         0052         0062         0087         025	
CCE         0087         0293           CINERAL         0293           CITIZEN         0052         0293           COLT         0087           CRAIG         0052         0062         0087         025	
CCE         0087         0293           CINERAL         0293           CITIZEN         0052         0293           COLT         0087           CRAIG         0052         0062         0087         025	
CINERAL         0293           CITIZEN         0052         0293           COLT         0087           CRAIG         0052         0062         0087         025	
CITIZEN         0052         0293           COLT         0087           CRAIG         0052         0062         0087         025	
COLT 0087 CRAIG 0052 0062 0087 025	
CRAIG 0052 0062 0087 025	
CURIIS-MAINES 0050 0056 0075 017	
CVDEDNEY 0000 0000	
CYBERNEX 0066 0255	
DAEWOO 0060 0293	
DENON 0057	
DYNATECH 0015	
ELECTROHOME 0052	
ELECTROPHONIC 0052	
EMEREX 0047	
EMERSON 0015 0017 0051 005	2
0058 0083 0103 013	3
0199 0224 0293 037	<u> </u>
FISHER 0062 0069 0119	
FUJI 0048 0050	
FUNAI 0015	
GARRARD 0015	
GE 0050 0063 0075 025	5
GRADIENTE 0015 0023	
HARLEY DAVIDSON 0015	
HARMAN KARDON 0053 0096	
HARMAN KARDON         0053         0096           HARWOOD         0083         0087	
HARWOOD         0083         0087           HEADQUARTER         0061	_
HARWOOD         0083         0087           HEADQUARTER         0061           HI Q         0062	
HARWOOD         0083         0087           HEADQUARTER         0061           HI Q         0062           HITACHI         0015         0056         0057         009	7
HARWOOD         0083         0087           HEADQUARTER         0061           HI Q         0062           HITACHI         0015         0056         0057         009           0181	7
HARWOOD     0083     0087       HEADQUARTER     0061       HI Q     0062       HITACHI     0015     0056     0057     009       0181       HUGHES NETWORK     0057	7
HARWOOD       0083       0087         HEADQUARTER       0061         HI Q       0062         HITACHI       0015       0056       0057       009         0181         HUGHES NETWORK       0057         SYSTEMS	7
HARWOOD     0083     0087       HEADQUARTER     0061       HI Q     0062       HITACHI     0015     0056     0057     009       HUGHES NETWORK     0057       SYSTEMS       JENSEN     0056	7
HARWOOD       0083       0087         HEADQUARTER       0061         HI Q       0062         HITACHI       0015       0056       0057       009         0181       HUGHES NETWORK       0057       SYSTEMS         JENSEN       0056       0082	7
HARWOOD   0083   0087	7
HARWOOD   0083   0087	7
HARWOOD         0083         0087           HEADQUARTER         0061           HI Q         0062           HITACHI         0015         0056         0057         009           0181         HUGHES NETWORK         0057         SYSTEMS         V	7
HARWOOD   0083   0087	7
HARWOOD   0083   0087	7
HARWOOD   0083   0087	77
HARWOOD   0083   0087	7
HARWOOD   0083   0087	77
HARWOOD   0083   0087	7
HARWOOD   0083   0087	
HARWOOD	
HARWOOD   0083   0087	

BRAND		Setup	codes	
MATSUSHITA	0050	0177		
MEI	0050			
MEMOREX	0015	0050	0052	0054
	0061	0062	0063	0119
	0177	0224	0255	1052
	1177	1277		
MGA	0058	0255		
MGN TECHNOLOGY	0255			
MINOLTA	0057			
MITSUBISHI	0058	0063	0082	
MOTOROLA	0050	0063		
MTC	0015	0255		
MULTITECH	0015	0087		
NAD	0073			
NEC	0053	0055	0056	0082
	0097	0119		
NIKKO	0052			
NIKON	0049			
NOBLEX	0255			
OLYMPUS	0050			
OPTIMUS	0052	0063	0073	0119
-	0177	1063	1077	1177
	1277			
ORION	0017	0199	0224	
PANASONIC	0050	0177	0631	1077
	1177	1277		
PENNEY	0050	0052	0053	0055
	0057	0069	0255	
PENTAX	0057			
PHILCO	0050	0224		
PHILIPS	0050	0096	0633	
PILOT	0052			
PIONEER	0073	0082		
PROFITRONIC	0255			
PROSCAN	0075			
PROTEC	0087			
PULSAR	0054	0066		
QUARTER	0061			
QUARTZ	0061			
QUASAR	0050	0177	1177	
RADIO SHACK	0015	1052		
RADIX	0052			
RANDEX	0052			
RCA	0050	0057	0063	0075
	0255			
REALISTIC	0015	0050	0052	0061
	0062	0063	0119	
REPLAYTV	0629	0631		
RICOH	0049			
RUNCO	0054			
SAMSUNG	0060	0066	0068	0255
SANKY	0054	0063		
SANSUI	0015	0056	0082	0097
	0224			
SANYO	0061	0062	0119	0255
SCOTT	0058	0060	0136	0199
SEARS	0015	0050	0052	0057
	0061	0062	0069	0119
SEMP	0060			
SHARP	0063			
SHINTOM	0087			
SHOGUN	0066	0255		

BRAND		Setup	codes	
SINGER	0087			
SONY	0015	0047	0048	0049
	0050			
STS	0057			
SYLVANIA	0015	0050	0058	0096
SYMPHONIC	0015			
TATUNG	0056			
TEAC	0015	0056		
TECHINICS	0050	0177		
TEKNIKA	0015	0050	0052	0067
THOMAS	0015			
TIVO	0633			
TMK	0051	0255		
TOSHIBA	0058	0060		
TOTEVISION	0052	0255		
UNITECH	0255			
VECTOR	0060			
VECTOR RESEARCH	0053	0055		
VIDEO CONCEPTS	0055	0060		
VIDEOSONIC	0255			
WARDS	0015	0050	0057	0062
	0063	0075	0087	0096
	0255			
WHITE	0224	0293		
WESTINGHOUSE				
XR-1000	0015	0050	0087	
YAMAHA	0053			
ZENITH	0015	0048	0049	0054
	0224			

# Setup code table (for U.S.A., Canada and other countries) (continued)

#### CABLE

BRAND		Satur	codes	
	0010			0000
ABC	0018	0023		0028
DELL GLIOVA/ELL	0029	0048	0062	
BELL&HOWELL	0029			
COMBAND	0247			
COMTRONICS	0055			
CONTEC	0034			
ELECTRICORD	0093			
EVERQUEST	0030	0055		
GE	0247			
GEMINI	0030			
GENERAL	0026	0291	0491	
INSTRUMENTS				
HITACHI	0026			
JASCO	0030			
JERROLD	0018	0026	0027	0029
	0030	0062	0291	
LG(GOLDSTAR)	0055	0159		
MACOM	0048			
MEMOREX	0015			
MOVIE TIME	0078	0093		
NSC	0078	0000		
OAK	0034	0263		
OPTIMUS	0034	0203		
		0036	0122	
PANASONIC	0015	0030	0122	
PARAGON	0015			
PHILIPS	0305	0.150	05.40	
PIONEER	0038	0159	0548	0892
PULSAR	0015			
QUASAR	0015			
RADIOSHACK	0030			
RCA	0036			
REMBRANDT	0026			
RUNCO	0015			
SAMSUNG	0055	0159		
SCIENTIFIC ATLANTA	0023	0292	0492	0892
SIGNAL	0030	0055		
SIGNATURE	0026			
SL MARX	0055			
SPRUCER	0036			
STARCOM	0030	0055		
STARQUEST	0030			
TELEVIEW	0055			
TIMELESS	0433			
TOCOM	0027	0028		
TOSHIBA	0015			
TUSA	0030			
TV86	0078			
UNIVERSAL	0078	0206		
VIDEOWAY	0265	0200		
VIEWSTAR	0203	0304		
ZENITH			0014	
ZEINITH	0015	0540	0914	

#### SATELLITE

SAIELLIIE				
BRAND		Setup	codes	
ALPHASTAR	0787			
AMWAY	0090			
CABLE INNOVATIONS	0569			
CHANNEL MASTER	0033			
CHAPARRAL	0068	0224		
CURTIS MATHES	0076			
DRAKE	0033	0081	0164	0165
DX ANTENNA	0056			
ECHOSTAR	0163	0284	0295	0790
EXPRESVU	0790			
GENERAL	0053	0065	0376	0569
INSTRUMENTS	0642	0884		
HITACHI	0834			
HTS	0790			
HUGHES NETWORK	0764			
SYSTEMS				
IQ	0225			
IQ PRISM	0225			
JERROLD	0051	0376	0642	
JVC	0790			
KEMWOOD	0279			
LEGEND	0284			
MACOM	0033	0065	0076	
MAGNAVOX	0737	0739		
MEMOREX	0284	0739		
NEXT LEVEL	0884			
PANASONIC	0716			
PHILIPS	0737	0739		
PICO	0090			
PRIMESTAR	0376	0642		
RADIOSHACK	0569	0884		
RAMSEY	0090			
RCA	0158	0407	0581	0870
REALISTIC	0067			
SONY	0654			
STAR CHOICE	0884			
STAR TRAK	0195			
STARCAST	0057			
STS	0056	0225		
TOSHIBA	0076	0097	0805	
UNIDEN	0067	0089	0091	0569
	0737	0739		
ZENITH	0076	0871		

# Keys which can be used to operate connected devices

Operation of the dark-colored keys in the figure is possible.

**VCR** 

TV



(Operation keys differing from the indication)

TV INPUT : TV/VCR

| THUM B +/-

(Operation keys differing from the indication)

TV INPUT : TV/VCR
STOP : MUTE

|: | : | : FF/REW
|: : VOLUME +/-

**CABLE** 

**SAT** 



(Operation keys differing from the indication)



(Operation keys differing from the indication)

**TV INPUT: INPUT** 

# nowledge

# **DVD** menu language code list

Cord No.	Language
6565	Afar
6566	Abkhazian
6570	Afrikaans
6577	Amharic
6582	Arabic
6583	Assamese
6588	Aymara
6590	Azerbaijani
6665	Bashkir
6669	Byelorussian
6671	Bulgarian
6672	Bihari
6678	Bengali; Bangla
6679	Tibetan
6682	Breton
6765	Catalan
6779	Corsican
6783	Czech
6789	Welsh
6865	Danish
6869	German
6890	Bhutani
6976	Greek
6978	English
6979	Esperanto
6983	Spanish
6984	Estonian
6985	Basque
7065	Persian
7073	Finnish
7074	Fiji
7079	Faroese
7082	French
7089	Frisian
7165	Irish
7168 7176	Scots Gaelic Galician
7176 7178	Guarani
7178 7185	
7185 7265	Gujarati Hausa
7265 7273	nausa   Hindi
1213	ninai

ouc iist	
Cord No.	Language
7282	Croatian
7285	Hungarian
7289	Armenian
7365	Interlingua
7378	Indonesian
7383	lcelandic
7384	Italian
7387	Hebrew
7465	Japanese
7473	Yiddish
7487	Javanese
7565	Geogian
7575	Kazakh
7576	Greenlandic
7577	Cambodian
7578	Kannada
7579	Korean
7583	Kashmiri
7585	Kurdish
7589	Kirghiz
7665	Latin
7678	Lingala
7679	Laothian
7684	Lithuanian
7686 7771	Latvian; Lettish
7771 7773	Malagasy Maori
7775	Macedonian
7776	Malayalam
7770 7778	Mongolian
7779	Moldavian
7773 7782	Marathi
7783	Malay
7784	Maltese
7789	Burmese
7865	Nauru
7869	Nepali
7876	Dutch
7879	Nowegian
7982	Oriya
8065	, Punjabi
	· -

Cord No.	Language
8076	Polish
8083	Pashto; Pushto
8084	Portuguese
8185	Quechua
8277	Rhaeto-Romance
8279	Romanian
8285	Russian
8365	Sanskrit
8368	Sindhi
8372	Serbo-Croatian
8373	Singhalese
8375	Slovak
8376	Slovenian
8377	Samoan
8378	Shona
8379	Somali
8381	Albanian
8382	Serbian
8385	Sundanese
8386	Swedish
8387	Swahili
8465	Tamil
8469	Telugu
8471	Tajik
8472	Thai
8473	Tigrinya
8475	Turkmen
8476	Tagalog
8479	Tonga
8482	Turkish
8484	Tatar
8487	Twi
8575	Ukrainian
8582	Urdu
8590	Uzbek
8673	Vietnamese
8679	Volapük
8779	Wolof
8872	Xhosa
8979	Yoruda
9072	Chinese
9085	Zulu

What seems to be a malfunction is not always so. Before calling for service, check the following table according to the symptom of your trouble.

#### Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Set the POWER switch to ON (set to Standby mode). Then press the ▶▶I key, I◄◄ key and STOP key in this order.

• Please note that resetting the microcomputer clears the contents stored in and returns and to condition when it left the factory.

#### Receiver, speakers

Symptom	Cause	Remedy	
Sound is not produced.	<ul> <li>The speaker cords are disconnected.</li> <li>The MUTE switch of remote control unit is switched ON.</li> <li>The headphone plug is inserted into the jack.</li> </ul>	<ul> <li>Connect properly referring to "System connection".</li> <li>Switch MUTE OFF.</li> <li>Unplug the headphone plug.</li> </ul>	_
Sound is not produced from the left or right speakers.	• The speaker cords are disconnected.	• Connect properly referring to "System connection".	2
Radio stations cannot be received.	<ul> <li>The antennas have not been connected.</li> <li>A proper broadcasting band has not been selected.</li> <li>The frequency of the station to be received is not tuned.</li> </ul>	<ul> <li>Connect antennas.</li> <li>Select a band.</li> <li>Tune to the frequency of the desired station.</li> </ul>	3(1)
Noise interferes.	<ul> <li>Car ignition noise.</li> <li>Influence of an electric appliance.</li> <li>A TV set is installed near the system.</li> </ul>	<ul> <li>Install the outdoor antenna in an apart position from the road.</li> <li>Switch the suspected electric appliance OFF.</li> <li>Install the TV or the system at an increased distance between them.</li> </ul>	(
A station has been preset but it cannot be received by pressing the P.CALL key.	<ul> <li>The frequency of the preset station is not tunable.</li> <li>The preset memory has been cleared because the power cord has been unplugged for a long period.</li> </ul>	<ul> <li>Preset stations with tunable frequencies.</li> <li>Preset stations again. → 222</li> </ul>	2
The STANDBY indicator flashes red.	• The speaker connection is abnormal.	Check the speaker connection.     Check the speaker connection. If this does not help, contact your dealer for service.	
No sound from the surround speakers	• The LISTEN mode is STEREO.	• Select Surround with the <b>LSTN MODE</b> key. • 49	9

# Remote control unit

Symptom	Cause	Remedy	
Remote control operation is not possible.	<ul> <li>Batteries are exhausted.</li> <li>The remote control is too far away from the system, the controlling angle is deviated or there is an obstacle in between.</li> <li>There is no disc set in the component to be played.</li> </ul>	<ul> <li>Replace with new batteries.</li> <li>Operate the unit inside the remote controllable range.</li> <li>Set a disc in the component to be played.</li> </ul>	+ 17 + 17 + 25
	Operation has been performed with the keys of the main unit.  A nonfunctional key has been pressed	Perform operation after once pressing the key for the input or device to be operated.	<b>-</b> [18]

# DVD / CD player unit

Symptom	Cause	Remedy
Playback does not start when the play (>/II) key is pressed.	<ul><li>There is no disc in the player.</li><li>There are no signals recorded on the side of the disc being played.</li></ul>	<ul> <li>Load a disc and press the play (►/II) key.</li> <li>Turn the disc over and properly place it on the disc tray.</li> </ul>
Playback starts but no image/sound is seen/heard.	The TV is not turned on. The connection cords are not properly connected.	<ul> <li>Turn on the TV.</li> <li>Properly reconnect the connection cords. → 14</li> </ul>
The picture is disrupted when the image is fast forwarded or fast reversed.	•The picture is slightly disrupted during fast forward and fast reverse operations.	•This is not a malfunction.
No sound is heard.	<ul><li>The volume control of this set is not adjusted properly.</li><li>The player is in a special playback mode.</li></ul>	<ul> <li>Set the sound volume to an appropriate → 18 level.</li> <li>Press the play (►/II) key to resume normal → 25 playback mode.</li> </ul>
The picture does not look good or the picture/sound quality is poor.	<ul> <li>A nearby device is generating noise.</li> <li>The disc is dirty.</li> <li>The disc is damaged.</li> <li>There is condensation on the optical lens.</li> </ul>	<ul> <li>Separate this unit as far as possible from the device you think is generating the noise.</li> <li>Refer to the "Disc handling precautions" → 8 section and wipe dirt from the disc.</li> <li>Use a new disc.</li> <li>Refer to the "Caution on condensation" section and evaporate the condensation.</li> </ul>
It takes a while for the disc to start playing.	• Time is required for the unit to detect the disc type and size and for the rotation of the motor to stabilize. This is not a malfunction.	<ul> <li>Approximately 10 to 20 seconds are required for a disc to start playing, although the time differs depending on the disc.</li> </ul>
The top and bottom of the screen cannot be seen.  •The video format of the disc being does not match that of the connect monitor.		● Refer to the "Examples of TV screen display of each video format" section ,and use a disc with the appropriate video format for your TV or a TV with the appropriate video format for the disc.
A VCD cannot be played using menus.	•The VCD disc being played is not compatible with P.B.C.	<ul> <li>Menu playback is available only with VCD → 37 discs recorded with P.B.C.</li> </ul>
The subtitle is not displayed.	<ul><li>The DVD disc being played does not contain the recording of subtitles.</li><li>The subtitle mode is set to off.</li></ul>	<ul> <li>The subtitle cannot be displayed when the DVD disc being played does not contain the recording of subtitles.</li> <li>Press the S.TITLE key to switch on the subtitle mode.</li> </ul>
The voice (or subtitle) language cannot be changed.	The DVD disc being played does not contain the recording of more than one audio (or subtitle) language.	The voice (or subtitle) language cannot be changed when the DVD disc being played does not contain the recording of more than one voice (or subtitle) language.

# nowledge

## DVD / CD player unit

Symptom	Cause	Remedy
The viewing angle cannot be changed.	<ul> <li>The DVD disc being played does not contain the recording of more than one angle.</li> <li>You are attempting to switch the angle in a DVD section where more than one angle is not recorded.</li> </ul>	<ul> <li>The viewing angle cannot be changed when the DVD disc being played does not contain the recording of more than one angle.</li> <li>■ More than one viewing angle may be recorded only in limited sections in a disc.</li> </ul>
A disc can not be played although the region code is displayed as [ALL].	• Some discs can not be played in all regions even when [ALL] is displayed.	● Play a different disc.
Playback will not start even after a title is selected.	A viewing restriction (Parental level) has been set for the disc.	• Check the viewing restriction level (Parental level) setting.
The viewing restriction level (RAT-ING) cannot be changed.	You have forgotten the viewing restriction (Parental) password.	• Set the initial setup to the factory setup with the following procedure. With no disc in the unit, press the PLAY/ PAUSE (►/II)key. After "NO DISC" is displayed, pressress the DVD CD key, cursor ► key, ◄ key, ▼ key, ▲ key on the remote and I◄◄ key on the main unit in this order. Press the POWER switch to OFF and press the POWER switch again to ON.
The voice or subtitle language selected in the initial setting is not played.	The DVD disc being played does not contain the recording of the selected voice or sub- title language.	• Use a DVD disc containing the recording of → 43 the selected voice or subtitle language.
No message appears on the TV screen after a key is pressed.	The function for displaying message on the TV screen is set to off.	● Set On-screen function to on. → 27
Menu screen messages are not shown in the desired language.	• The menu language function (MENU) is not set.	● Set the disc menu language function (MENU) as required. → 44

#### Inhibition icon

Symptom	Cause	Remedy
The inhibition icon is displayed and remote control is not possible.	<ul> <li>Playback is restricted intentionally by the software producer.</li> </ul>	●The operation is inhibited. Please try another operation.

It is prohibited by laws to duplicate, broadcast, perform in public or rent a disc without the permission of the copyright owners.

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

#### Main unit

[ Amplifier section ]
Effective output power during STEREO operation 1 kHz, 10 % T.H.D. at 6 $\Omega$ 40 W + 40 W
Effective output power during SURROUND operation
Front (1 kHz, 10 % T.H.D. at 6 Ω)
Center (1 kHz, 10 % T.H.D. at 6 $\Omega$ )
Subwoofer (1 kHz, 10 % T.H.D. at 6 Ω)
Surround (1 kHz, 10 % T.H.D. at 6 $\Omega$ )
Input sensitivity / impedance VCR / SAT / AV AUX
Output level / impedance
VCR 600 mV / 470 Ω
[ Tuner section ]
FM tuner section
Tuning frequency range
Tuning frequency range (for U.K., Europe and Australia)
Tuning frequency range (for U.S.A. and Canada)
Tuning frequency range (for other countries)
531 kHz ~ 1,602 kHz / 530 kHz ~ 1,700 kHz
[ DVD/CD/VIDEO CD player section ]
Laser Semiconductor laser
Wow & Flutter Less than unmeasurable Limit
Video output format (for U.S.A. and Canada) NTSC
Video output format (for other countries) NTSC/PAL VIDEO OUTPUT
Composite video output level/impedance 1 Vp-p (75 $\Omega$ ) S-video output
Y output level/impedance 1 Vp-p (75 $\Omega$ )
C output level/impedance
NTSC 0.286 Vp-p (75 Ω)
PAL 0.3 Vp-p (75 Ω)
Component video output (only for some areas)
Y output level/impedance
C/r output level/impedance 0.7 Vp-p (75 Ω)
Compression format
33
[ DIGITAL AUDIO section ]
Sampling frequency32 kHz, 44.1 kHz, 48 kHz Input level/impedance/wave length
Optical15 dBm ~ 21 dBm (660 nm ±30 nm)
Coaxial
Digital output15 dBm ~ 21 dBm
(Wave length 660 nm)
[ General ]
Power consumption 120 W (for U.S.A. and Canada)
140 W (for U.K.)
140 W (for other countries)
Dimensions W: 440 mm (17-5/16")
H: 93 mm (3-11/16")
D: 410 mm (16-1/8")

KS-305DV Speakers (Front/Center) (for U.S.A and Canada) Enclosure Acoustic Air Suspension type (Magnetically shielded) Speaker configuration					
				Woofer	100 mm (4"), cone type
					25 mm (1"), cone type
Impedance	6 Ω				
Maximum input power	40 W (Front speakers)				
	30 W (Centre speaker)				
Dimensions	W: 128 mm (5-1/16")				
	H: 198 mm (7-13/16")				
	D: 126 mm (4-15/16")				
Weight (net)	1.1 kg (1 piece)				
KS-305DV Speakers (Su	rround) (for U.S.A and Canada)				
Enclosure Acoustic Air Susper	nsion type (Magnetically shielded)				
Speaker configuration					
Fullrange	100 mm (4"), cone type				
Impedance					
Maximum input power					
Dimensions	W: 128 mm (5-1/16")				
	H: 198 mm (7-13/16")				
	D: 126 mm (4-15/16")				
Weight (net)	0.8 kg (1 piece)				
SW-15DV Speaker (Sub	<b>Woofer)</b> (for U.S.A and Canada)				
Enclosure					
Speaker configuration	200 mm (8"), cone type				
Impedance					
Maximum input power					
Dimensions					
Difficusions	H: 333 mm (13-1/8")				
	D: 455 mm (17-15/16")				
Weight (net)	7.433 IIIII (17-13/10 /				
	,				
KSW-7000 Speakers					
(Front/Center/Rear) (for					
Enclosure Acoustic Air Susper	nsion type (Magnetically shielded)				
Speaker configuration					
	50 mm, cone type				
Impedance					
Maximum input power					
Dimensions					
	H: 125 mm				
	D: 108mm				
Weight (net) 0.48 kg (Front speakers and Centre speaker) (1 piece)					
	ng (our our a speakers) (1 piece)				

# KSW-7000 Speaker (Subwoofer) (for other countries)

Enclosure	Bass-reflex type (Magnetically shielded)
Speaker configuration	
Woofer	160 mm, cone type
Impedance	<b>6</b> Ω
	40 W
	W: 190 mm
	H: 400 mm
	D: 355 mm
Weight (net)	5.7 kg



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

2. Sufficient performance may not be possible at very low temperatures (0°C or less).

DVR-505/DVR-7000 (EN)

# <u>MEMO</u>

# <u>MEMO</u>



