

DENON

STEREO PRE-AMPLIFIER

PRA-S10

OPERATING INSTRUCTIONS

BEDIENUNGSANLEITUNG

MODE D'EMPLOI

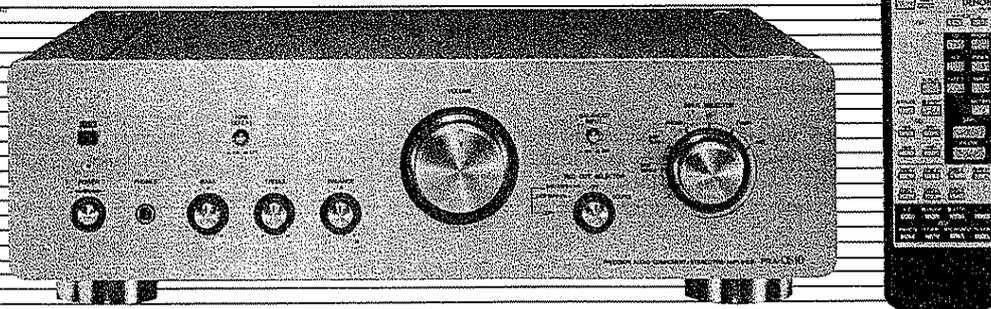
ISTRUZIONI PER L'USO

INSTRUCCIONES DE OPERACION

GEBRUIKSAANWIJZING

BRUKSANVISNING

INSTRUÇÕES DE OPERAÇÃO



FOR ENGLISH READERS

PAGE 8 ~ PAGE 12

PARA LECTORES DE ESPAÑOL

PAGINA 28 ~ PAGINA 32

FÜR DEUTSCHE LESER

SEITE 13 ~ SEITE 17

VOOR NEDERLANDSTALIGE LEZERS

PAGINA 33 ~ PAGINA 37

POUR LES LECTEURS FRANÇAIS

PAGE 18 ~ PAGE 22

FÖR SVENSKA LÄSARE

SIDA 38 ~ SIDA 42

PER IL LETTORE ITALIANO

PAGINA 23 ~ PAGINA 27

PARA LEITORES PORTUGUESES

PÁGINA 43 ~ PÁGINA 47

"SERIAL NO. _____"

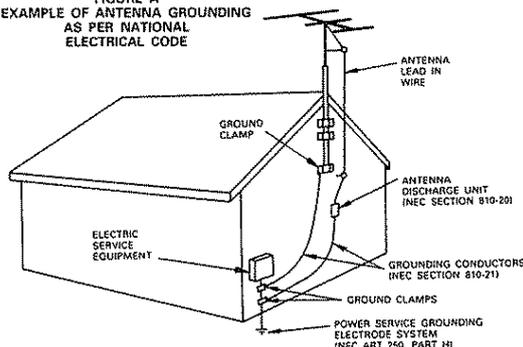
PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE
CABINET FOR FUTURE REFERENCE"

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. 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, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A. 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.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarization – Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
12. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
14. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
15. Power Lines – An outdoor antenna should be located away from power lines.
16. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, 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 regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
17. Nonuse Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
18. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
20. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



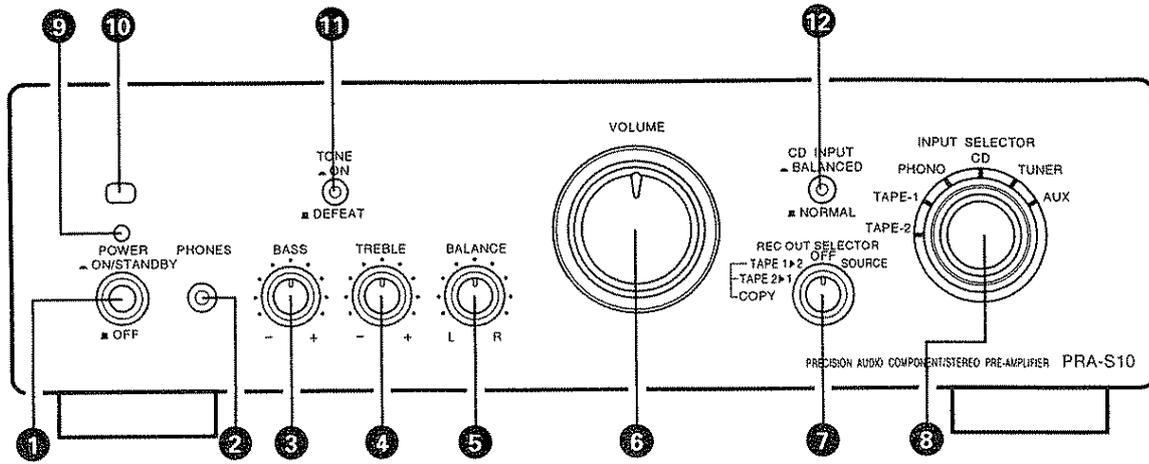
FIGURE A
EXAMPLE OF ANTENNA GROUNDING
AS PER NATIONAL
ELECTRICAL CODE



NEC - NATIONAL ELECTRICAL CODE

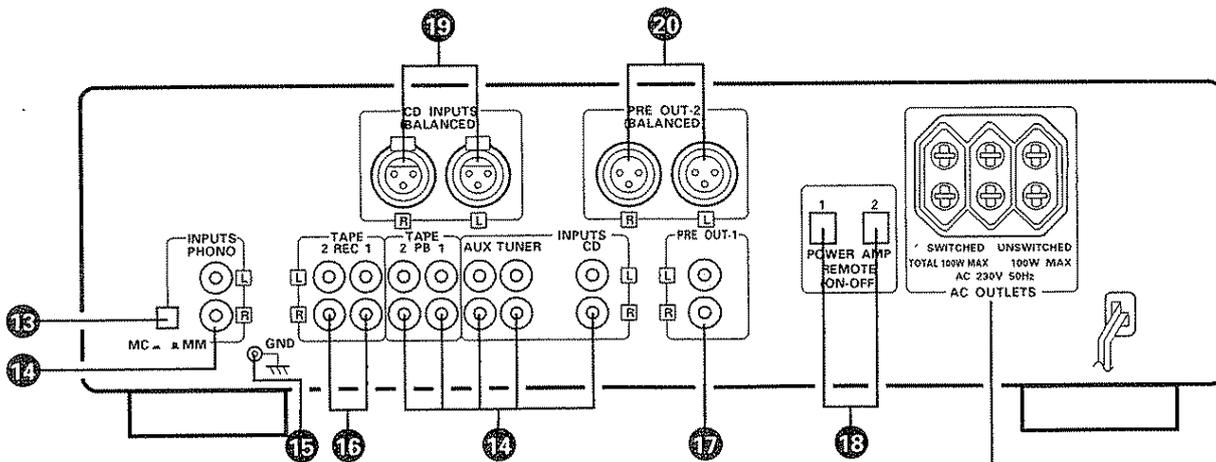
FRONT PANEL
FRONTPLATTE
PANNEAU AVANT
PANNELLO ANTERIORE

PANEL FRONTAL
VOORPANEEL
FRAMSIDA
PAINEL FRONTAL



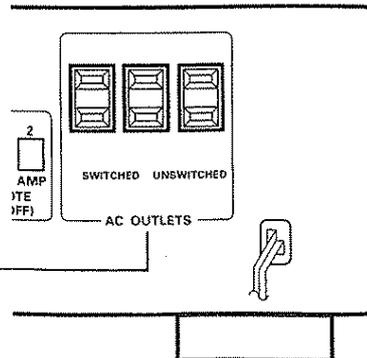
REAR PANEL
RÜCKWAND
PANNEAU ARRIERE
PANNELLO POSTERIORE

PANEL TRASERO
ACHTERPANEEL
BAKSIDA
PAINEL TRAZEIRO



- ④
- Europe model only (except for U.K.)
 - Nur für Europa-Modell (mit Ausnahme Großbritannien)
 - Seulement pour le modèle européen (à l'exception du Royaume-Uni)
 - Solo per il modello destinato all'Europa (eccetto il Regno Unito)
 - Solamente modelo para Europa (excepto R.U.)
 - Alleen het model voor Europa (m.u.v. het Verenigd Koninkrijk)
 - Endast europeisk modell (utom U.K.)
 - Só modelo Europeu (excepto R.U.)

- ④
- U.S.A. and CANADA model only.
 - Nur für Modelle für die U.S.A. und KANADA.
 - Seulement pour les modèles pour les U.S.A., le CANADA.
 - Solo per i modelli U.S.A. e CANADA e per il modello.



**CONNECTIONS
ANSCHLÜSSE
CONNEXIONS
CONNESSIONI
CONEXIONES
AANSLUITINGEN
ANSLUTNINGAR
CONEXÕES**

CD player with balanced output terminal
CD-Spieler mit symmetrischer Ausgangsklemme
Lecteur CD avec borne de sortie symétrique
Lettore CD con terminale di uscita bilanciata
Reproductor CD con terminal de salida equilibrada
CD-speler met aansluitpunt voor symmetrische uitgang
CD-Spelare med balanserad utgång
Tocadora de discos compactos com tomada de saída simétrica

Power amp with balanced input terminal (XLR plug)
Leistungsverstärker mit symmetrischer Eingangsklemme (XLR-Stecker)
Amplificateur de puissance avec borne d'entrée symétrique (fiche XLR)
Amplificatore di potenza con terminale di ingresso bilanciato (spina XLR)
Amplificador de potencia con terminal de entrada equilibrada (clavija XLR)
Vermogensverstärker met aansluitpunt voor symmetrische ingang (XLR-contact)
Effektförstärkare med balanserad ingång (XLR-kontakt)
Amplificador de potência com tomada de entrada simétrica (ficha XLR)

Power amp with balanced input terminal (XLR plug)
Leistungsverstärker mit symmetrischer Eingangsklemme (XLR-Stecker)
Amplificateur de puissance avec borne d'entrée symétrique (fiche XLR)
Amplificatore di potenza con terminale di ingresso bilanciato (spina XLR)
Amplificador de potencia con terminal de entrada equilibrada (clavija XLR)
Vermogensverstärker met aansluitpunt voor symmetrische ingang (XLR-contact)
Effektförstärkare med balanserad ingång (XLR-kontakt)
Amplificador de potência com tomada de entrada simétrica (ficha XLR)

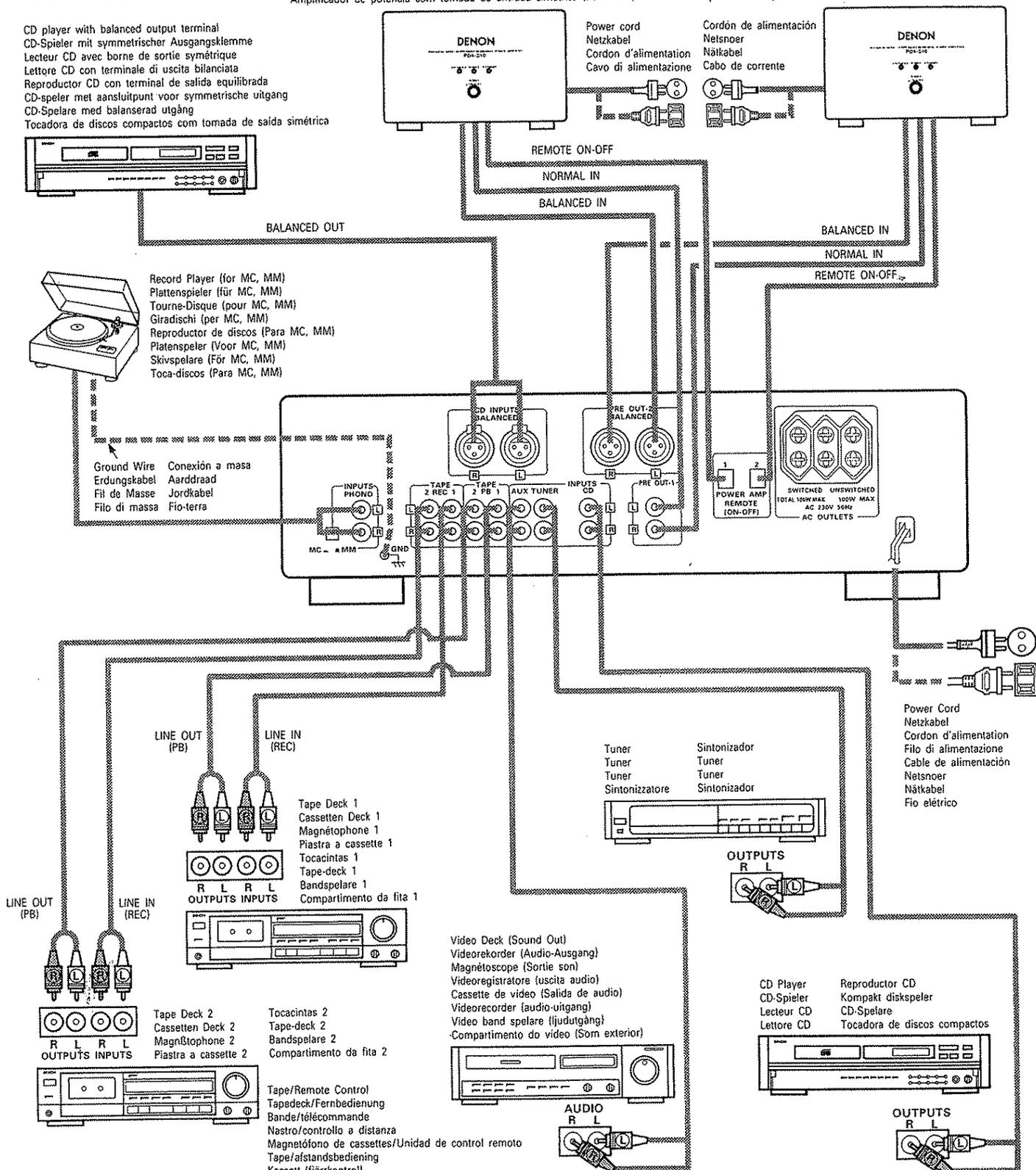


Fig. 1
Abb. 1
Afb. 1

DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS

1 POWER**(Power Switch)**

When the power switch is turned ON (—), the Power indicator ⑨ lights.

When the power switch is turned ON, power is supplied to the unit. It takes a few seconds after the power is turned on for the unit to warm up. This is due to the built-in muting circuit that eliminates noise during the on/off operation.

2 PHONES**(Headphone Jack)**

This jack is used to plug in the headphones.

(The PRE OUT output is turned off when the headphones are plugged in.)

3 BASS**(Bass Control)**

This knob is used to control the bass quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range below 1000 Hz. The bass is emphasized as the knob is moved off center to the right (↻), and reduced as it is moved to the left (↶).

4 TREBLE**(Treble Control)**

This knob is used to control the treble quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range above 1000 Hz. The treble is emphasized as the knob is moved off center to the right (↻), and reduced as it is moved to the left (↶).

5 BALANCE**(Balance Control)**

This knob is used to adjust the balance between the left and right channels. When it is set to the center position, the amplitude of the amplifier is equal on both sides. If there is a difference in the left and right channel output voltages for a cartridge, move the knob to the left and the right to adjust it. If the volume on the right side is too low, turn the knob to the right (↻). If the volume on the left side is too low, turn the knob to the left (↶). This will achieve an even balance on the left and right sides.

6 VOLUME**(Volume Control)**

This knob controls the overall volume level.

Turn the knob to the right (↻) to raise the volume and to the left (↶) to lower it.

7 REC OUT SELECTOR**(Recording output selector)**

Use this to select the output source for recording onto a tape deck, etc.

- **SOURCE:**

Set to this position when recording. The recording output is the source selected with the CD INPUT switch ⑫ and the INPUT SELECTOR ③.

- **OFF:**

In this position, the recording output is turned off. For higher quality playback sound, we recommend keeping the selector at this position when not recording.

- **TAPE-1 ▶ 2:**

Use this position when making copies of tapes using two tape decks. The input signal from the deck connected to the TAPE-1 input jacks is fed to the TAPE-2 REC-OUT jacks, regardless of the position of the CD INPUT switch ⑫ and the INPUT SELECTOR ③.

- **TAPE-2 ▶ 1:**

Use this position when making copies of tapes using two tape decks. The input signal from the deck connected to the TAPE-2 input jacks is fed to the TAPE-1 REC-OUT jacks, regardless of the position of the CD INPUT switch ⑫ and the INPUT SELECTOR ③.

8 INPUT SELECTOR**(Input Select Switch)**

Use these to select the program source.

When the button for the desired program source is selected, its LED lights. One program source only can be selected at a time, as follows:

- **PHONO:**

Use this position when using the record player connected to the PHONO jacks.

Use the PHONO SELECTOR ⑩ to switch the sensitivity to correspond to the cartridge type being used.

- **CD:**

Used to listen a compact disc player or other component that is connected to the CD terminal.

- **TUNER:**

Used to play a component such as an FM/AM tuner or a TV tuner that is connected to the TUNER terminal.

- **AUX:**

Used to play a component such as a Hi Fi video player, TV tuner or tape deck that is connected to the AUX terminal.

- **TAPE-1:**

Use this Position when using the tape deck, etc., connected to the TAPE-1 jacks.

- **TAPE-2:**

Use this Position when using the tape deck, etc., connected to the TAPE-2 jacks.

This switch is of the rotary type. When turned clockwise (↻), the program source switches in the order TAPE-2, TAPE-1, PHONO, CD, TUNER, AUX and TAPE-2 again. When turned counterclockwise (↶), the program source switches in the order AUX, TUNER, CD, PHONO, TAPE-1, TAPE-2, and AUX again.

9 POWER indicator

The LED indicates the set's operating status.

- **In the muting mode:**

Flashes orange

- **In the normal operating mode:**

Lit orange

- **In the standby mode:**

Red

- **When the power is off:**

off

**10 REMOTE SENSOR
(Remote Control Sensor)**

This sensor receives the infra-red light transmitted from the wireless remote control unit.

For remote control, point the wireless remote control unit towards the sensor.

**11 TONE
(Tone switch)**

The tone control function is operated by using the TONE switch.

When the switch is set to DEFEAT (), the transmission characteristic curve is flattened, and the positions of the BASS and TREBLE knobs have no effect.

When the switch is pressed ON (), tone control is enabled.

(The level of BASS and TREBLE can be varied.)

**12 CD INPUT
(CD input switch)**

Use this switch to select the INPUT SELECTOR  CD input jacks.

- **NORMAL** ():
The CD input jacks are selected.
- **BALANCED** ():
The CD input (BALANCED) jacks are selected.

**13 PHONO SELECTOR
(Cartridge Selection Switch)**

This switch is set according to the type of player cartridge to be used.

- **MC** ():
Used when an MC (moving-coil) cartridge with an output of less than 0.5 mV is used.
- **MM** ():
Used when an MM (moving-magnet) cartridge with an output of 2 mV or more is used.

14 INPUTS Terminals

These are input terminals for CD players, turntables, AM/FM tuners, tape decks or other playback components.

15 GND (ground) terminal

Connect the turntable's ground wire here.

16 TAPE REC (recording output) Terminals

These are recording output terminals for connection to tape decks.

**17 PREOUT-1
(NORMAL output terminals)**

Connect these to the power amplifier's input terminals.

**18 POWER AMP REMOTE
(REMOTE ON-OFF Terminals)**

These terminals are used for remote control of the power amplifier and/or active speaker system. A low-voltage DC current is emitted from the terminals to turn on the power of DENON power amplifier (models POA-S10, POA-800, etc.). The same control signal is output from both remote terminals.

19 CD INPUT (BALANCED) terminals

These are XLR input terminals for connecting a CD player or other playback component equipped with balanced outputs.

The polarities of the pins are as follows:

Pin 1: Ground (GND) Pin 2: Cold (-) Pin 3: Hot (+)

**20 PREOUT-2
(BALANCED output terminals)**

Connect these to the BALANCED input terminals of a power amplifier equipped for balanced input.

The polarities of the pins are as follows:

Pin 1: Ground (GND) Pin 2: Cold (-) Pin 3: Hot (+)

21 AC OUTLETS

- **For U.S.A. and Canada models.**
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.
 - **SWITCHED** (Total capacity: 120 W):
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.
 - **UNSWITCHED** (Capacity: 240 W)
This outlet is always ON whether power switch is on or OFF.
- **For Europe (except the U.K.) models.**
AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.
 - **SWITCHED** (Total capacity: 100 W):
These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit is turned on/off.
 - **UNSWITCHED** (Capacity: 100 W)
This outlet is always ON whether power switch is on or OFF.

OPERATION

PREPARATION

1. CHECKING CONNECTIONS

- Make sure that all the connections are proper by referring to the back panel. (Fig. 1)
- Check the polarity (positive and negative) of connections, and the directivity of stereo separation (right cord to right channel terminal, and left cord to left channel terminal).
- Check the directivity of pin cord connection.

2. SETTING OF EACH KNOB

- Turn the volume control knob counterclockwise, to minimum position.
- Set the rotary knob to center position.
- Set TONE switch to "ON (—)".

After checking the above items, turn on the power, the amplifier is set in the ready mode in a few seconds.

PLAYING A RECORD

1. Set the INPUT SELECTOR switch to "PHONO".
2. Operate the turntable and play the record.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

PLAYBACK OF CD PLAYER (NORMAL)

1. Set the CD INPUT switch to NORMAL (■).
2. Set the INPUT SELECTOR switch to "CD".
3. Operate the CD player.
4. Turn the volume and tone controls to yield an appropriate volume and sound quality.

PLAYBACK OF CD PLAYER (BALANCED)

1. Set the CD INPUT switch to BALANCED (—).
2. Set the INPUT SELECTOR switch to "CD".
3. Operate the CD player.
4. Turn the volume and tone controls to yield an appropriate volume and sound quality.

RECEPTION OF RADIO PROGRAMS

1. Set the INPUT SELECTOR switch to "TUNER".
2. Operate the tuner to receive a radio program.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

CONNECTIONS OF AUDIO EQUIPMENT TO AUX TERMINALS

1. Set the INPUT SELECTOR switch to "AUX" Position.
2. Operate the Audio equipment Systems.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

PLAYBACK WITH TAPE DECK

1. Set the INPUT SELECTOR switch to "TAPE-1" or "TAPE-2".
2. Operate the Tape Deck.
3. Turn the volume and tone controls to yield an appropriate volume and sound quality.

COPYING TAPES

(Refer to the tape decks' instructions.)

1. Select the tape deck using the REC OUT SELECTOR ⑦.
 - To record from the deck connected to the TAPE-1 jacks, set to the TAPE-1 ▶2 position.
 - To record from the deck connected to the TAPE-2 jacks, set to the TAPE-2 ▶1 position.
2. Set the tape deck onto which you want to record to the recording mode.
3. Set the tape deck from which you want copy to the play mode.

RECORDING ONTO A TAPE DECK

(other than for copying tapes)

1. Select the source to be recorded using the INPUT SELECTOR ⑧ and the CD INPUT switch ⑩.
2. Set the REC OUT SELECTOR ⑦ to the SOURCE position.
3. Set the tape deck onto which you want to record to the recording mode.

(Refer to the tape deck's instructions.)
4. Play the source to be recorded.

NOTE

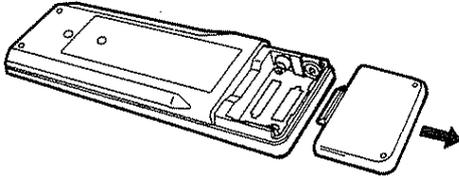
- This amplifier has a full memory back-up system. When the power is turned on, INPUT SELECTOR ⑧ are set to the last mode set before the power was turned off.

REMOTE CONTROL OPERATION

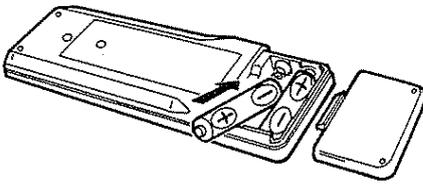
The accessory Remote Control Unit is used to control the amplifier from a convenient distance.

(1) Inserting the Dry Cell Batteries

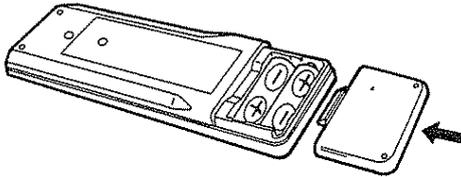
1. Remove the battery cover on the Remote Control Unit.



2. Insert two dry cell batteries as shown in the diagram on the battery supply unit.



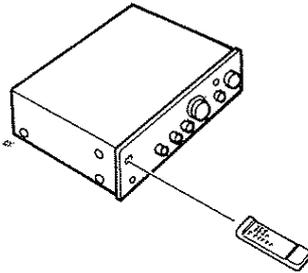
3. Replace the battery cover.



Notes on Battery Usage

- RC-185 uses the size R6P (AA) dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the Remote Control Unit is used.
- If, in less than a year from the time new batteries were inserted, the Remote Control Unit fails to operate the Amplifier from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the polarity diagram inside the battery compartment.
- Batteries are prone to damage and leakage. Therefore:
 - Do not mix new batteries with used ones.
 - Do not mix different types of batteries.
 - Do not jumper opposite poles of the batteries, expose them to heat, break them open, nor expose them to open fire.
- If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.

(2) Directions for use



- Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Amplifier as shown in the diagram on the left.
- The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the amplifier. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the Remote Control Unit is not directed straight at the amplifier.

Note on operation

- Do not press the operating buttons on the Amplifier and the Remote Control Unit at the same time. This will cause misoperation.
- Operation of the Remote Control Unit will become less effective or erratic if the infrared Remote Control Sensor on the Amplifier is exposed to strong light or if there are obstructions between the Remote Control Unit and the sensor.
- In case you operate a VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

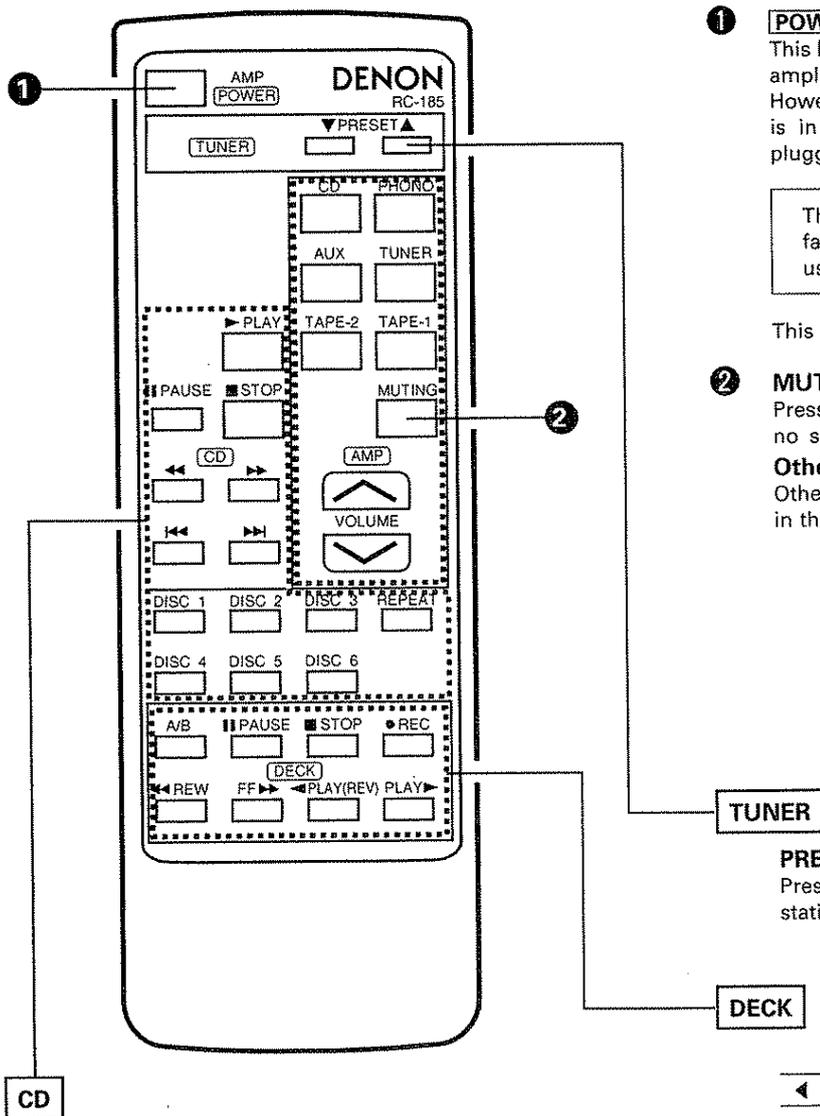
Besides being able to operate the PRA-S10 Pre-amplifier with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.

Remote control section

Full-system Remote Control Unit

The full-system Remote Control Unit operates all major functions of the Amplifier, such as function switching, volume control. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck and tuner when combined with the PRA-S10 to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-185 supplied with the PRA-S10



1 POWER button
 This button can be used to turn on and off the power of the amplifier. However, the power for the amplifier turned on and off if it is in the power standby mode and the power cord is plugged in.

This button will not function if there is a power failure, if the power cord is not plugged in, or when using an audio timer.

This button can be used when the Power indicator ① is lit.

2 MUTING button
 Pressing this switch will activate the muting condition and no signals will be output to the speakers.

Other buttons
 Other buttons are exclusively for the PRA-S10, and function in the same way as the corresponding buttons on the set.

TUNER

PRESET ∇ buttons
 Press this button to move up or down among the preset station numbers.

DECK

CD

▶ PLAY	PLAY button
■ STOP	STOP button
⏮	Reverse Track Search button
⏭	Forward Track Search button
⏪	Manual Search Reverse button
⏩	Manual Search Forward button
⏸ PAUSE	PAUSE button

REPEAT	Refer to the operating instructions of your DENON CD player
DISC1	Select disc 1
DISC2	Select disc 2
DISC3	Select disc 3
DISC4	Select disc 4
DISC5	Select disc 5
DISC6	Select disc 6

▶ PLAY	PLAY button
◀ PLAY (REV)	PLAY (REV) button
■ STOP	STOP button
⏮ REW	REWIND button
FF ▶▶	FF button
● REC	Refer to the operating instructions of your DENON tape deck.
⏸ PAUSE	A/B DECK SELECT button
A/B W-DECK	

- The RC-185 Remote Control Unit can control CD players and cassette decks manufactured by DENON.
- Note that operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are AMP, CD, DECK and TUNER.

For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck.

CAUTION:

- If the power is turned off with the Remote Control Unit, the set is switched to the power stand-by state. If you are absent for a long period of time, unplug the power cord.
- Only the power indicator ① lights red when in the power stand-by mode.
- You may experience erratic operation of the Remote Control Unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the Remote Control Sensor on the Amplifier. However, this is not a malfunction, and if this should happen, simply protect the sensor against such light.