DENON

AM-FM STEREO RECEIVER

DRA-697CI

OPERATING INSTRUCTIONS

❑**SAFETY PRECAUTIONS**

SAFETY INSTRUCTIONS

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
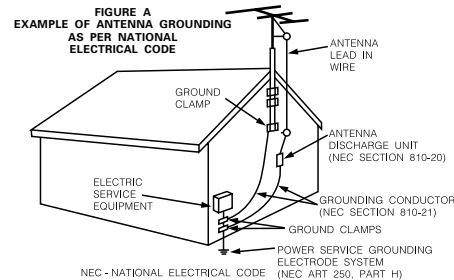
WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance – this indicates a need for service.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

**FIGURE A
EXAMPLE OF ANTENNA GROUNDING
AS PER NATIONAL
ELECTRICAL CODE**

ANTENNA LEAD IN WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

ELECTRIC SERVICE EQUIPMENT

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

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

NEC - NATIONAL ELECTRICAL CODE

FCC INFORMATION (For US customers)

1. PRODUCT
This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

3. NOTE
This product 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 product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.
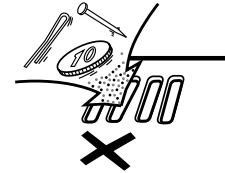
❑ NOTE ON USE
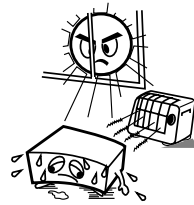
- Avoid high temperatures.
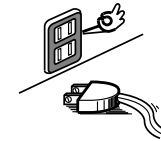 Allow for sufficient heat dispersion when installed in a rack.

- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
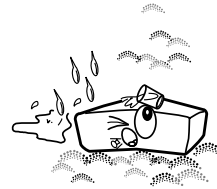
- Keep the apparatus free from moisture, water, and dust.

- Unplug the power cord when not using the apparatus for long periods of time.

* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.

- Do not let foreign objects into the apparatus.

- Do not let insecticides, benzene, and thinner come in contact with the apparatus.
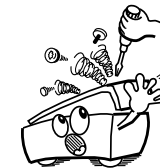
- Never disassemble or modify the apparatus in any way.

II

Thank you for choosing the DENON DRA-697CI AM-FM Stereo Receiver. This remarkable component has been engineered to provide outstanding high fidelity reproduction of your favorite music sources.
As this product is provided with an immense array of features, we recommend that before you begin hookup and operation that you review the contents of this manual before proceeding.

Contents

Getting Started

Accessories

Check that the following parts are attached in addition to the main unit:

r   t   y

u   i   o   !0
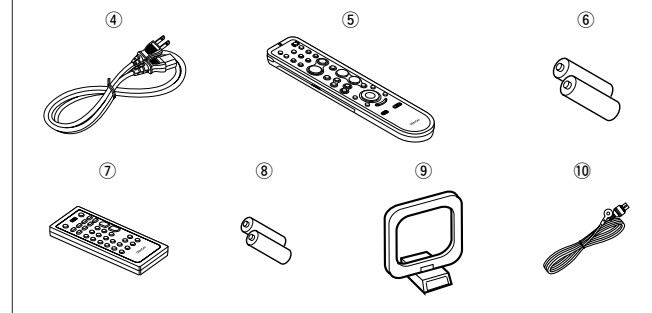
Before using

Pay attention to the following before using this unit:

• **Moving the unit.**
To prevent short-circuits or damaged wires in the connection cables, always unplug the power supply cord and disconnect the connection cables between all other audio components when moving the unit.

• **Cautions on using mobile phones.**
Using a mobile phone near this unit may result in noise. If so, move the mobile phone away from this unit when it is in use.

• **Before turning the power operation button on.**
Check once again that all connections are correct and that there are not problems with the connection cables. Always set the power operation button to the standby position before connecting and disconnecting connection cables.

• **Store the operating instructions in a safe place.**
After reading the operating instructions, store them in a safe place as they could come in handy in the future.

• **Whenever the power operation button is in the STANDBY state, the unit is still connected to AC line voltage.**
Please be sure to turn off the power switch or unplug the cord when you leave home for, say, a vacation.

• **Note that the illustrations in these instructions may differ from the actual unit for explanation purposes.**

Cautions on installation

Note:
For heat dispersal, do not install this unit in a confined space such as a bookcase or similar enclosure.

※ **Note**

Wall
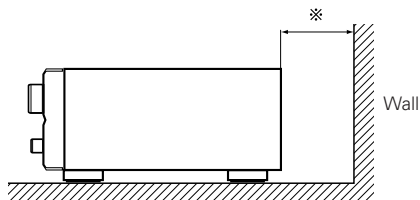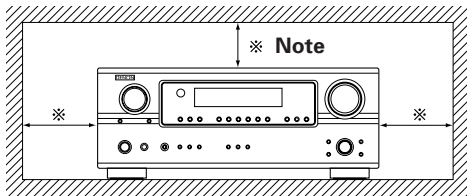
About the remote control unit

In addition to controlling the DRA-697CI, the attached system remote control unit (RC-1052) can also be used to control the following products:
① DENON component products
② Component products other than DENON:
• Set using the preset memory function (☞ page 22).

Inserting the batteries

① Remove the remote control unit's rear cover.
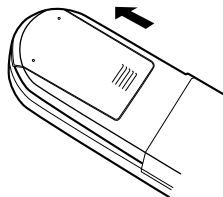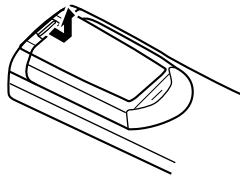
(RC-1052)　　　　(RC-1056)

② Set two batteries in the battery compartment in the indicated direction.

R6P/AA　　　R03/AAA
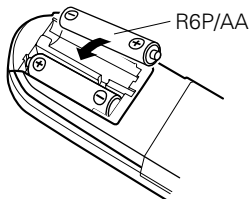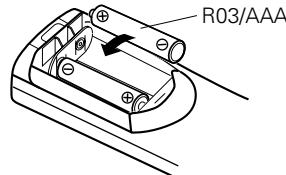
(RC-1052)　　　　(RC-1056)

③ Put the rear cover back on.

Notes on batteries:
• Replace the batteries with new ones if the set does not operate even when the remote control unit is operated nearby the unit. (The attached batteries are only for verifying operation.)
• When inserting the batteries, be sure to do so in the proper direction, following the "⊕" and "⊖" marks in the battery compartment.
• To prevent damage or leakage of battery fluid:
  • Do not use a new battery together with an old one.
  • Do not use two different types of batteries.
  • Do not short-circuit, disassemble, heat or dispose of batteries in flames.
• If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
• Remove the batteries from the remote if it will not be in use for long periods.
• When replacing the batteries, have the new batteries ready and insert them as quickly as possible.

Operating range of the remote control unit

• Point the remote control unit at the remote sensor when operating it.
• The remote control unit can be used from a distance of approximately 23 feet/7 meters, at a horizontal angle of up to 30° with respect to the sensor.

30°　30°　or　(RC-1056)

Approx. 23 feet/7 m

(RC-1052)
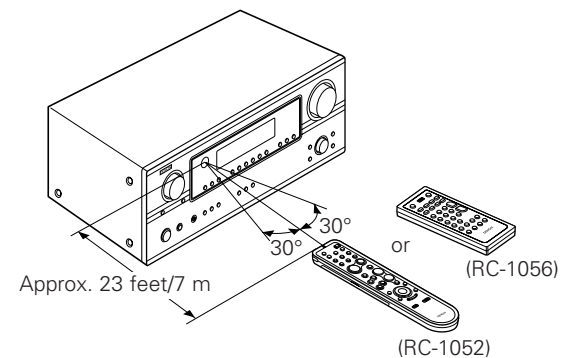
NOTE:
• The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light.

Part names and functions

For details on the functions of these parts, refer to the pages given in parentheses ( ).

Front panel
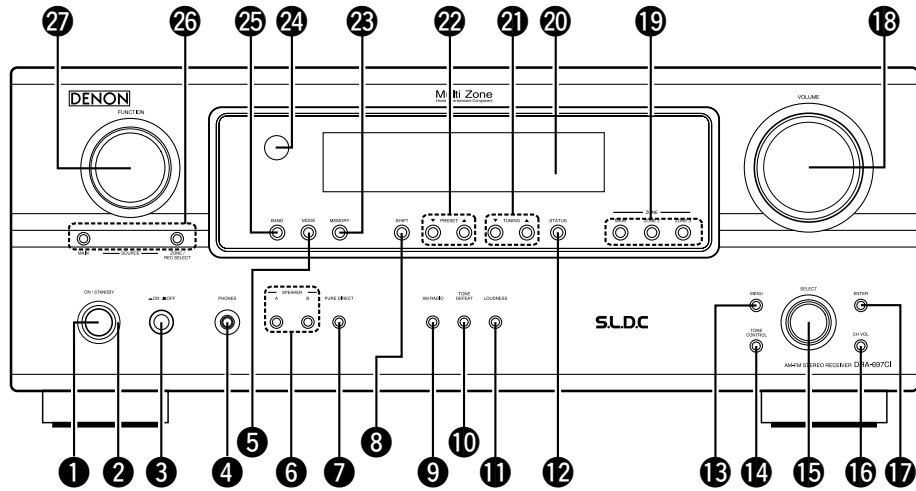
q **Power operation button**
(ON/STANDBY) ···(12)

w **Power indicator** ··(12)

e **Power switch** ····································(12, 21)

r **Headphones jack (PHONES)** ····················(12)

t **MODE button** ·······································(14, 18)

y **SPEAKER buttons** ··································(12)

u **PURE DIRECT button** ·······························(13)

i **SHIFT button** ···(14)

o **XM RADIO button** ····································(16)

Q0 **TONE DEFEAT button** ····························(13)

Q1 **LOUDNESS button** ··································(13)

Q2 **STATUS button** ···(13)

Q3 **MENU button** ···(11)

Q4 **TONE CONTROL button** ···························(13)

Q5 **SELECT knob** ····································(13, 17)

Q6 **CH VOL button** ···(13)

Q7 **ENTER button** ····································(11, 18)

Q8 **VOLUME control knob** ·····························(12)

Q9 **ZONE on/standby buttons** ······················(20)

W0 **Display**

W1 **TUNING buttons (▲, ▼)** ···························(14)

W2 **PRESET buttons** ·····································(14)

W3 **MEMORY button** ·······································(14)

W4 **Remote control sensor** ·····························(2)

W5 **BAND button** ··(14)

W6 **ZONE select buttons** ·····························(20)

W7 **FUNCTION knob** ··(12)

Display
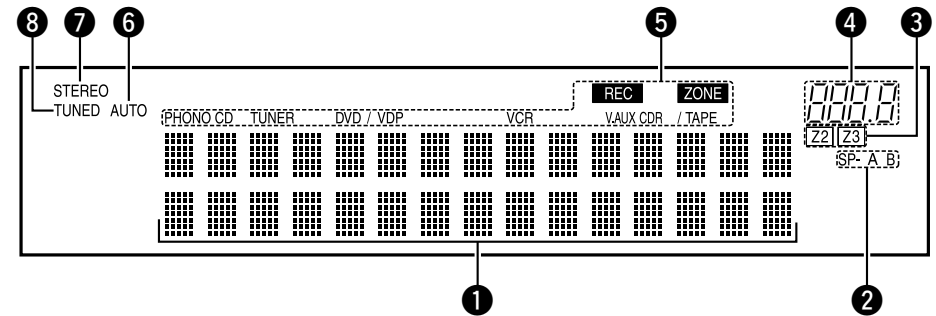
q **Information display**

w **Speaker indicators**
This lights corresponding to the settings of the front speakers.

e **ZONE2/ZONE3 output indicators**

r **Volume indicator**
This displays the volume level.

t **ZONE/REC SELECT indicators**
Lights while selecting the ZONE or REC SELECT mode. (Off when the "SOURCE" is selected.)

y **AUTO indicator**
This lights when the broadcast station is selected in the AUTO tuning mode.

u **STEREO indicator**
This lights when an FM stereo broadcast has been received.

i **TUNED indicator**
This lights when an FM/AM broadcast has been received.

Rear panel
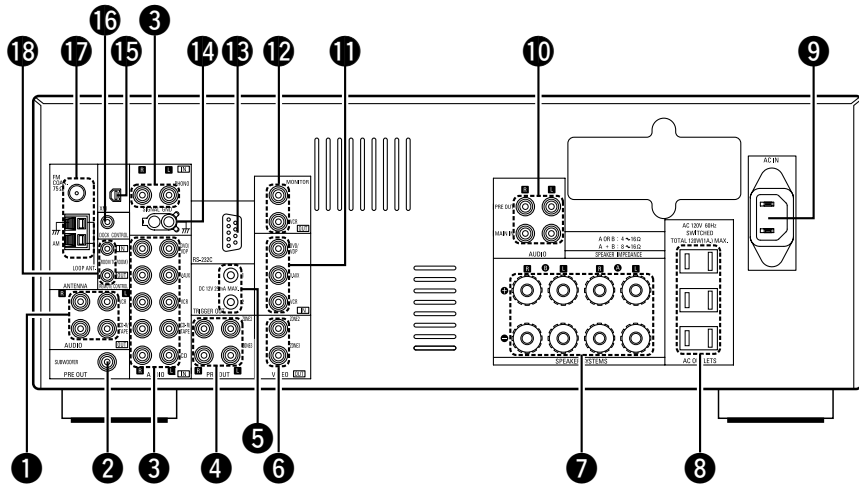
❶ **AUDIO OUT terminals**····································(7)
❷ **SUBWOOFER PRE OUT terminal**···············(6)
❸ **AUDIO IN terminals**····························(6, 7, 9)
❹ **ZONE PRE OUT terminals**·························(9)
❺ **TRIGGER OUT jacks**································(10)
❻ **ZONE VIDEO OUT terminals**·····················(9)
❼ **Speaker terminals**·································(6)
❽ **AC outlets**··(10)
❾ **AC inlet**···(10)

❿ **AUDIO PRE OUT / MAIN IN terminals**····(10)
⓫ **VIDEO IN terminals**······························(7)
⓬ **VIDEO OUT terminals**··························(6, 7)
⓭ **RS-232C terminal**·······························(10)
⓮ **SIGNAL GND terminal**··························(7)
⓯ **XM terminal**·······································(8)
⓰ **DOCK CONTROL jack**··························(9)
⓱ **ANTENNA terminals**·····························(8)
⓲ **REMOTE CONTROL jacks**·····················(9)

Remote control unit

☐ **System remote control unit (RC-1052)**
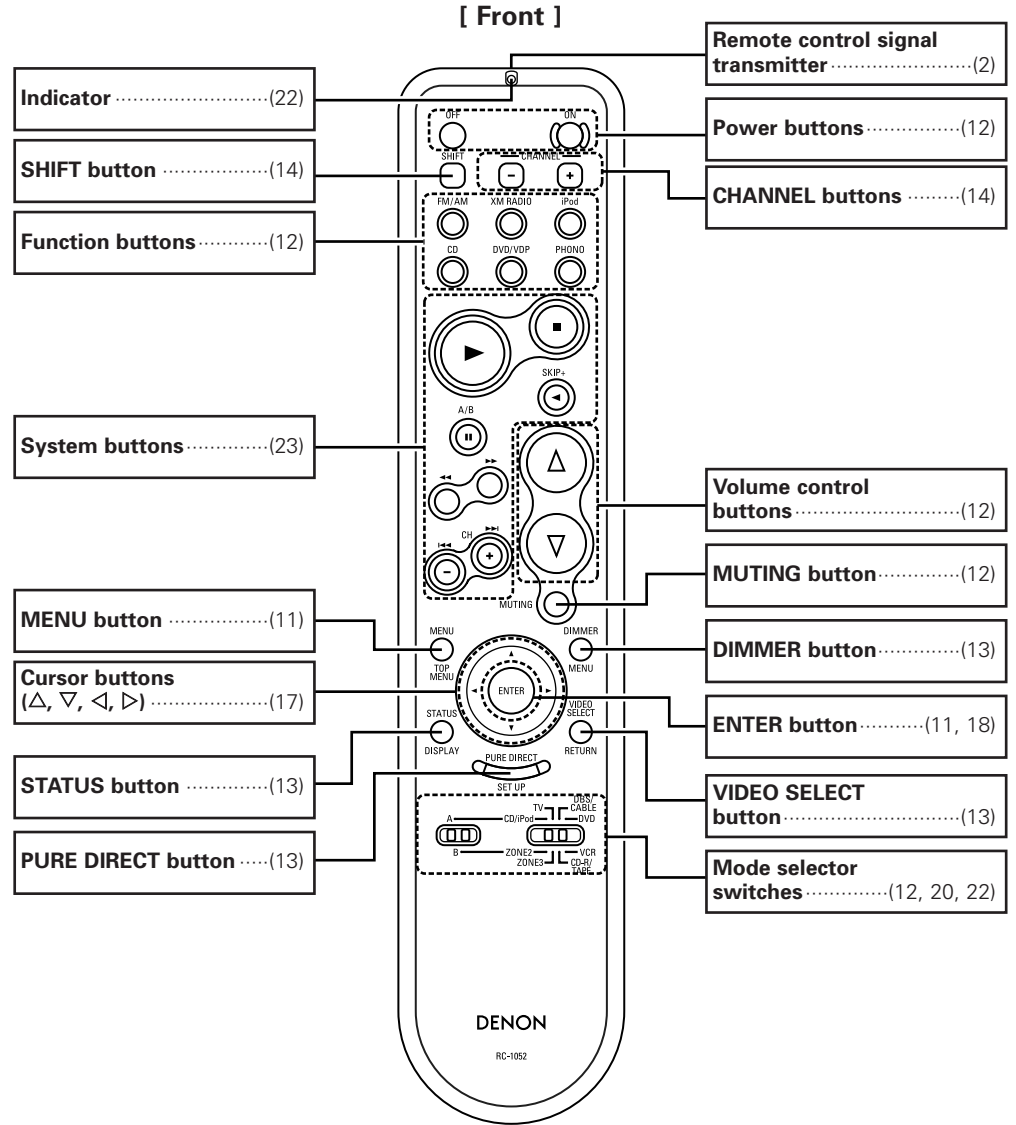
[Front]

| Indicator ·························(22) | | Remote control signal transmitter ·······················(2) |

SHIFT button ·················(14)

Power buttons ··············(12)

Function buttons·············(12)

CHANNEL buttons ········(14)

System buttons···············(23)

MENU button ·················(11)

Volume control buttons ···························(12)

Cursor buttons ($△$, $▽$, $◁$, $▷$) ····················(17)

MUTING button···········(12)

STATUS button ·············(13)

DIMMER button·············(13)

PURE DIRECT button ·····(13)

ENTER button···········(11, 18)

VIDEO SELECT button·······························(13)

Mode selector switches··············(12, 20, 22)

NOTE:
• If buttons on the front or rear are pressed strongly, the button on the opposite side will be activated too.

Getting Started

[Rear]

ZONE3 ON/OFF
buttons ·····························(20)

ZONE2 ON/OFF
buttons ·····························(20)

Number buttons
(0 ~ 9, +10) ··········(14, 16, 22)

BAND button ··················(14)

Memory block
buttons (A ~ G)···············(14)

Function buttons············(12)

MAIN ZONE ON/OFF
buttons ····························(20)

NOTE:
• If buttons on the front or rear are pressed strongly, the button on the opposite side will be activated too.

MODE button············(14, 18)

MEMORY button ············(14)

TUNING buttons ············(14)

❑ **ZONE remote control unit (RC-1056)**

[Front]

ZONE select switch·········(20)

Function buttons············(20)

Number buttons
(0 ~ 9)·························(14, 16)

SEARCH button ···············(16)

Memory block
buttons (A ~ G)················(14)

ZONE ON/OFF
buttons ·····························(20)

Volume control
buttons ·····························(20)

BAND button ··················(14)

Connections

Cable indications

The hookup diagrams on the subsequent pages assume the use of the following optional connection cables (not supplied).

Audio cable	Video cable
A Analog connections (Stereo)	**D** Video connections
(White) (Red) Pin-plug cable	(Yellow) Video cable (75 Ω/ohms video pin-plug cable)
B Analog connections (Monaural, for subwoofer)	**Signal direction**
Pin-plug cable	Audio signal
C Speaker connections	IN OUT OUT IN
Speaker cable	Video signal
	IN OUT OUT IN

NOTE:
• Do not plug in the power supply cord until all connections have been completed.
• When making connections, also refer to the operating instructions of the other components.
• Be sure to connect the left and right channels properly (left with left, right with right).
• Do not bundle power cords together with speaker cables. Doing so could result in humming or noise.

5

Speaker connections

Connect the speaker terminals with the speakers making sure that like polarities are matched (⊕ with ⊕, ⊖ with ⊖).

NOTE:
When making connections, take care that none of the individual conductors of the speaker cable come in contact with adjacent terminals, with other speaker cable conductors, or with the rear panel and screws.
NEVER touch the speaker terminals when the power is on. Doing so could result in electric shocks.

Connecting the speaker cables

1. Loosen by turning counterclockwise.

2. Insert the cable.
   Either tightly twist or terminate the core wires.

3. Tighten by turning clockwise.

Connecting banana plugs

Turn clockwise to tighten, then insert the banana plug.
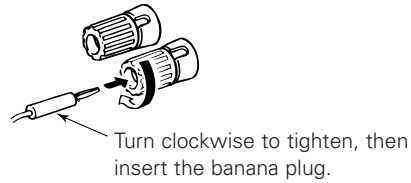
❑ Speaker impedance

Speaker	Impedance
A, B	4 ~ 16 Ω/ohms
A+B	8 ~ 16 Ω/ohms

Note on speaker impedance

When using speakers with an impedance below the designated value (for example 4 Ω/ohms), playing for long periods of time with the volume high could cause the temperature to rise, activating the protection circuit.

When the protection circuit is activated, the output to the speakers is cut off and the power indicator blinks. If this happens, unplug the power cord, wait for the set to cool off and improve ventilation around the unit. Also check the wiring of the input cables and the speaker cables. After doing this, plug the power cord back in and turn the unit's power back on.

If the protection circuit is activated again even though there are no problems with the wiring or the ventilation around the unit, switch off the power and contact a DENON service center.

❑ Connections

• When making connections, also refer to the operating instructions of the other components.
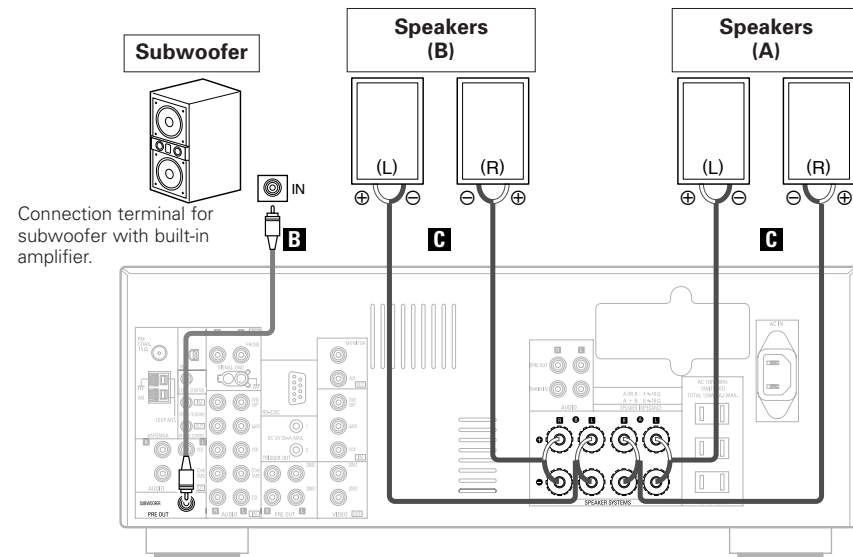
Connecting a DVD player and monitor
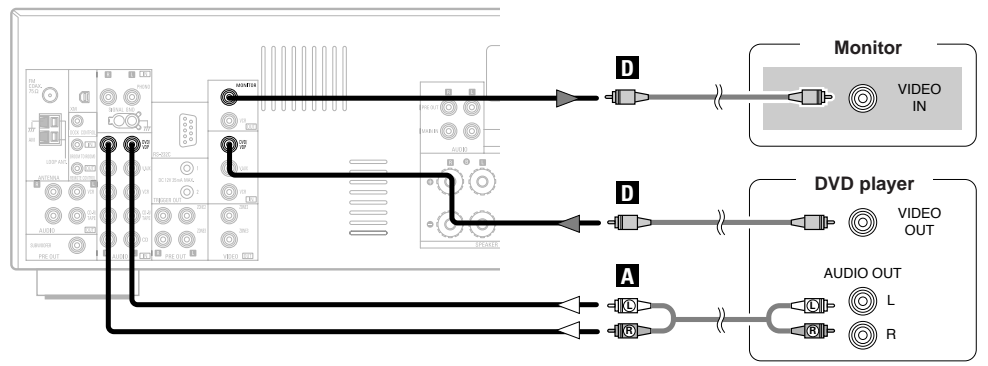
• Connect a non-DVD video disc player (such as a laser disc, VCD/SVCD, or future high definition disc player) to the DVD/VDP terminals in the same way.

Connecting a TV/DBS tuner

TV/DBS tuner

VIDEO OUT

AUDIO OUT
L
R
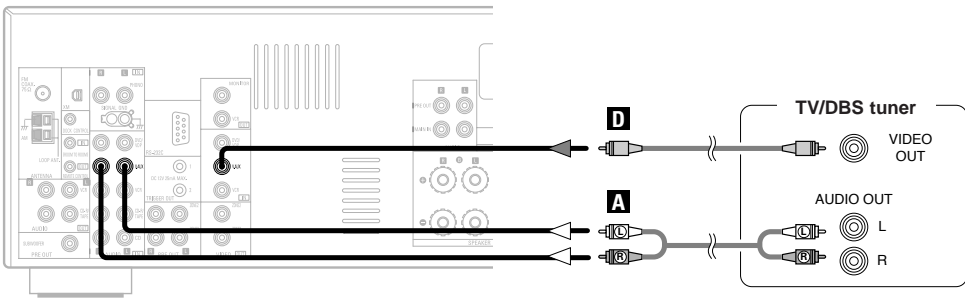
Connecting a CD player

CD player

AUDIO OUT
L
R
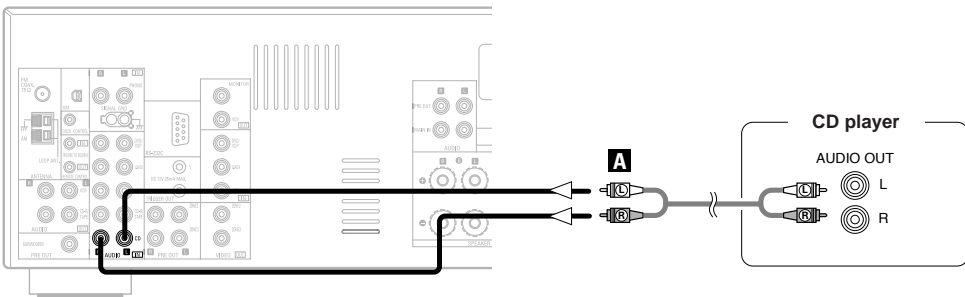
Connecting a turntable

Turntable (MM cartridge)

AUDIO OUT

GND

✎
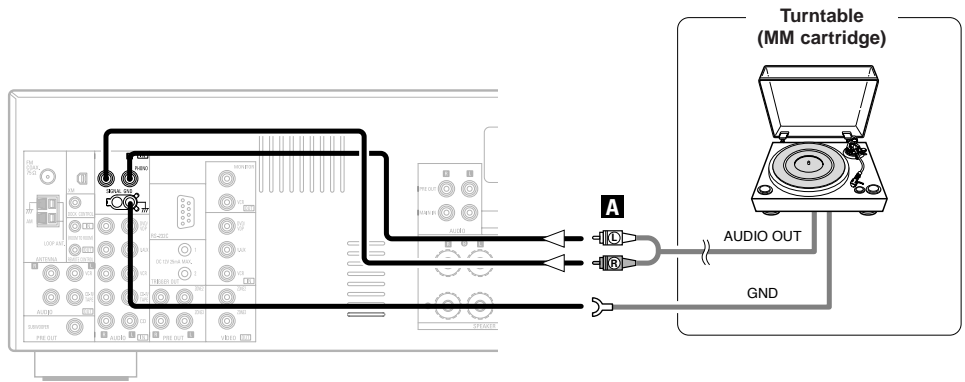
- The phono input can accept signals from moving magnet (MM) and high output moving coil (MC) phono cartridges. If your turntable is equipped with a low output MC cartridge, you will need to use a separate MC head amplifier or step-up MC transformer.

NOTE:
- If humming or other noise is generated when the ground wire is connected to the SIGNAL GND terminal, disconnect the ground wire.

Connecting a tape deck, CD recorder or MD recorder

Tape deck/ CD recorder/ MD recorder

AUDIO IN
L
R

AUDIO OUT
L
R

Connecting a VCR

Video deck

VIDEO IN

VIDEO OUT

AUDIO OUT
L
R

AUDIO IN
L
R
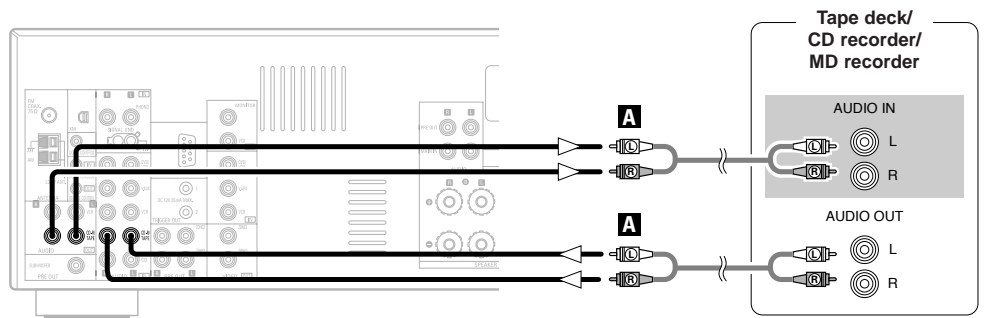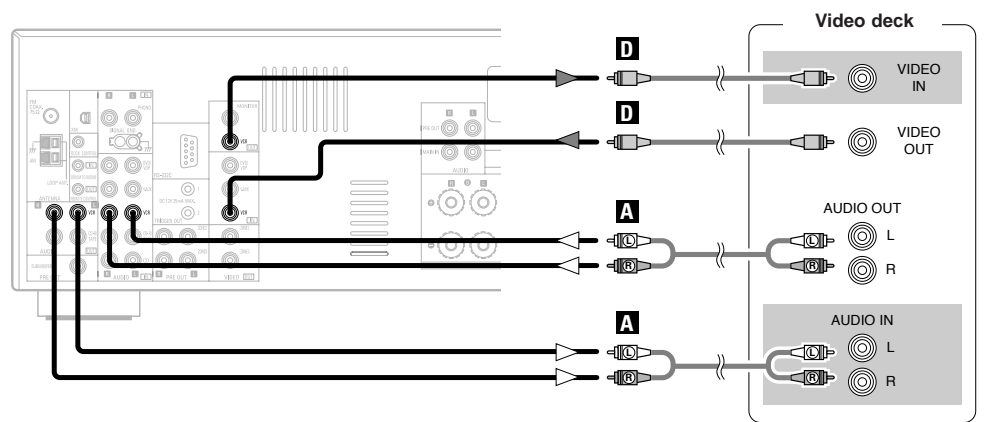
Connecting the antenna terminals

An F-type FM antenna cable plug can be connected directly.

Direction of broadcasting station

FM antenna

75 Ω/ohms Coaxial cable

AM loop antenna (Supplied)

FM indoor antenna (Supplied)

AM outdoor antenna

Ground
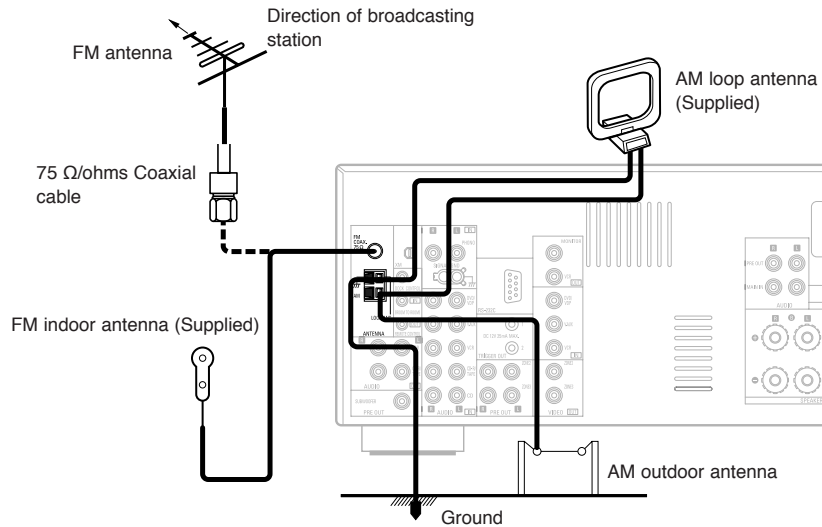
❏ AM loop antenna assembly

① Remove the vinyl tie and take out the connection line.

②

③ Bend in the reverse direction.

Connect to the AM antenna terminals.

④

a. With the antenna on top any stable surface.

Mount

b. With the antenna attached to a wall.

Installation hole Mount on wall, etc.
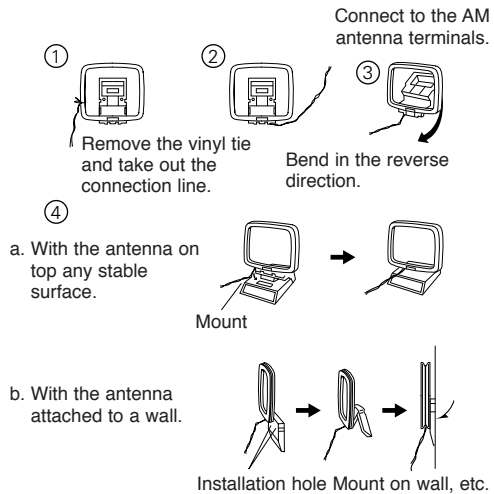
Connection of AM antennas
1. Push the lever.
2. Insert the conductor.
3. Return the lever.
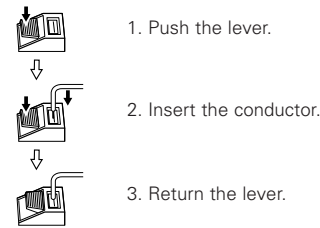
NOTE:
• Do not connect two FM antennas simultaneously.
• Even if an external AM antenna is used, do not disconnect the AM loop antenna.
• Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.

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

Connecting the XM terminal

• DRA-697CI is the XM Ready® receiver. You can receive XM® Satellite Radio by connecting to the XM Mini-Tuner and Home Dock (includes home antenna, sold separately) and subscribing to the XM service.
• Position the Home Dock antenna near a south-facing window to receive the best signal.
  For details, see "XM Satellite Radio" (☞ page 15, 16).
  When making connections, also refer to the operating instructions of the XM Mini-Tuner and Home Dock.

XM Mini-Tuner and Home Dock
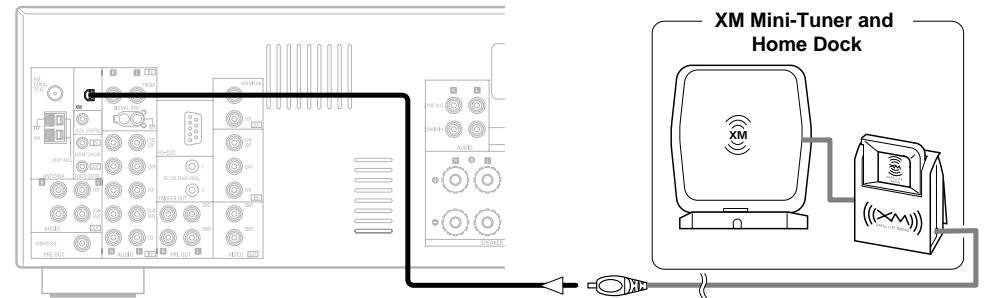
NOTE:
• Keep the power supply cord unplugged until the XM Mini-Tuner and Home Dock connection has been completed.

• The XM name and related logo are registered trademarks of XM Satellite Radio Inc. All rights reserved.
• XM Ready is a registered trademark of XM Satellite Radio Inc. All rights reserved.

8

Connections

Connecting the iPod®

When using an iPod, you must connect the Control Dock for iPod (ASD-1R, sold separately) and the DOCK CONTROL jack on the DRA-697CI with a mini-jack and assign the iPod to any AUDIO terminal(s).
The diagram below shows an example of connections for when the iPod is assigned to the CD-R/TAPE terminals.

※ For instructions on assigning the iPod to a specific terminal, see "Setting the iPod Assignment" (☞ page 11).
※ For instructions on playing the iPod, see "Playing the iPod" (☞ page 17).

iPod

ASD-1R

A

AUDIO OUT

Monitor (S VIDEO IN)
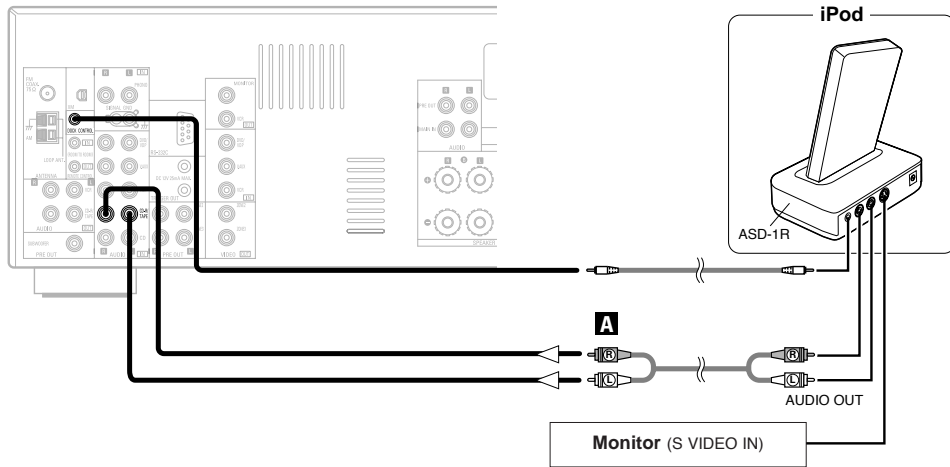
• The optional standard Control Dock for iPod is DENON ASD-1R sold separately.

Connections

Connecting the MULTI ZONE terminals

※ For instructions on operations using the MULTI ZONE functions (☞ page 19).

ZONE2 (or ZONE3) PRE OUT connections

• If another power amplifier or pre-main (integrated) amplifier is connected, the ZONE2 (or ZONE3) pre-out (variable or fixed level) terminals can be used to play a different program source in ZONE2 (or ZONE3) the same time (☞ page 19).
• The ZONE2 video out is only for the ZONE2.
• The ZONE3 video out is only for the ZONE3.

Input   Output

AUX OUT

Infrared retransmitter   Infrared sensor

Extension terminal for future use.

Monitor
(ZONE2 or ZONE3)

G

VIDEO
IN

Power amplifier
(ZONE2 or ZONE3)

A

L
IN
R
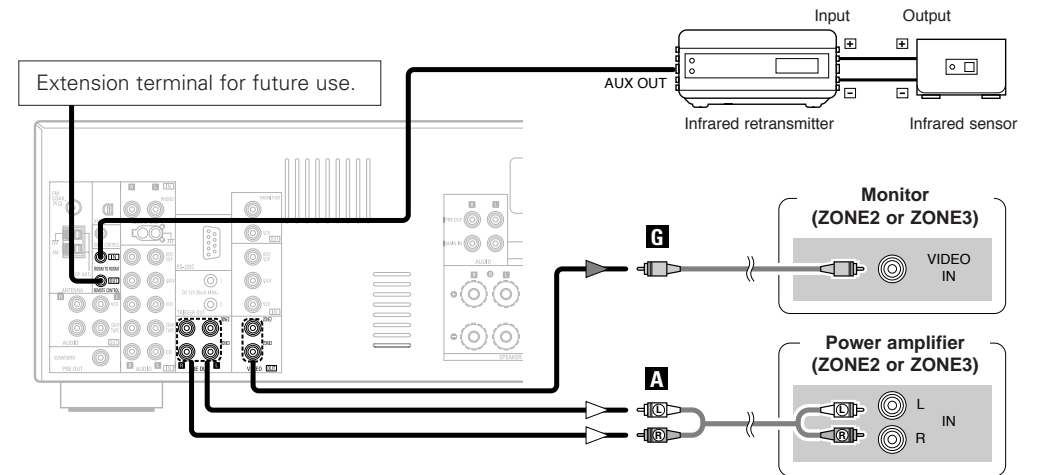
• For the AUDIO output, use high quality pin-plug cables and wire in such a way that there is no humming or noise.
• For instructions on installation and operation of separately sold devices, refer to the devices' operating instructions.

Connections

Connections

Connecting the TRIGGER OUT jacks
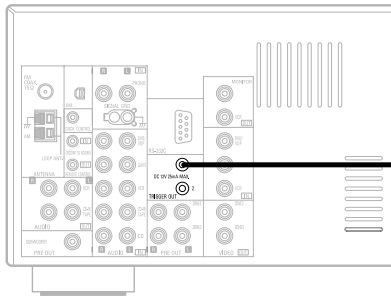
Turn the DC 12 V voltage on and off for the individual functions.

Connecting the AUDIO PRE OUT/MAIN IN terminals

Premain amplifier or Power amplifier (MAIN)

A

L
R
IN

A

L
R
OUT

Connecting the RS-232C terminal
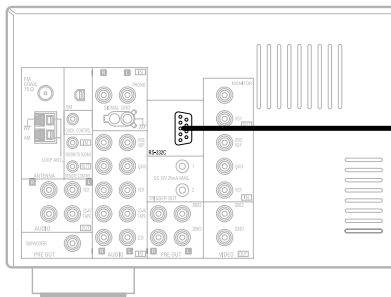
This terminal is used for an external controller.

Perform the following operation before using an external controller connected to the RS-232C terminal:
1. Press the **ON/STANDBY** button on the main unit and set the unit to the operating mode.
2. Perform the operation to turn off the power from the external control.
3. Check that the product has been set to the standby mode.

After checking the above, check the connections of the external controller. Operation is possible.

Connecting the power supply cord

AC outlet (wall)

Power supply cord (Supplied)

AC 120 V, 60 Hz
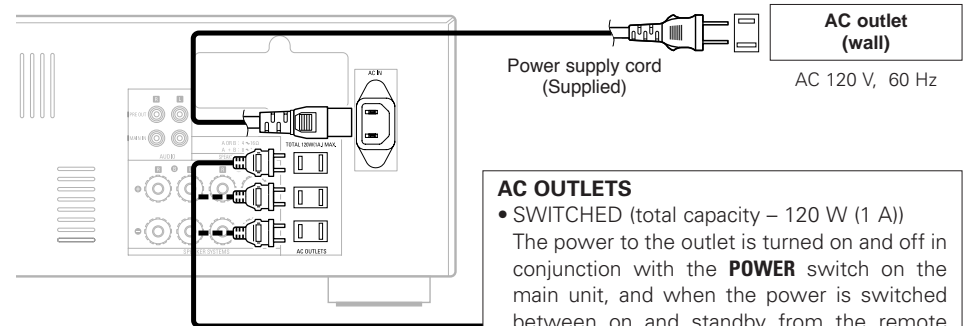
AC OUTLETS
• SWITCHED (total capacity – 120 W (1 A))
The power to the outlet is turned on and off in conjunction with the **POWER** switch on the main unit, and when the power is switched between on and standby from the remote control unit.
No power is supplied from this outlet when this unit's power is at standby. Never connect equipment whose total power consumption exceeds 120 W (1 A).

NOTE:
• Insert the plugs securely. Incomplete connections will result in the generation of noise.
• Only use the AC OUTLETS for audio equipment. Never use it for hair driers, monitors or other electrical appliances.
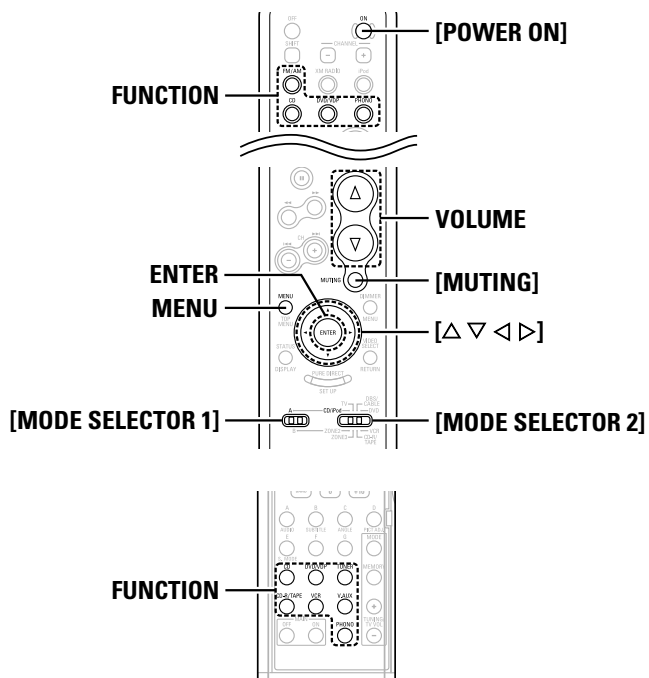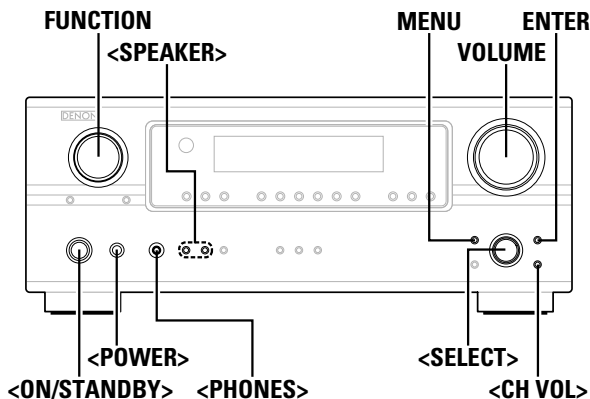
FUNCTION MENU ENTER
<SPEAKER> VOLUME

<POWER> <SELECT>
<ON/STANDBY> <PHONES> <CH VOL>

[POWER ON]

FUNCTION

VOLUME

ENTER [MUTING]
MENU
[△ ▽ ◁ ▷]

[MODE SELECTOR 1] [MODE SELECTOR 2]

FUNCTION

About the button names in this explanation
< > : Buttons on the main unit
[ ] : Buttons on the remote control unit
Button name only :
Buttons on the main unit and remote control unit

Setup Menu

Setting the iPod Assignment

It is possible to assign the Control Dock for iPod's (ASD-1R, sold separately) audio to any input terminals on the DRA-697CI and play them.

1 Press **MENU** with the function set to something other "FM/AM", "XM" or the function selected at "iPod Assignment".

2 Press **<CH VOL>** or [△ ▽] to select "iPod Assign", then press **ENTER**.

3 Use **<SELECT>** or press [◁ ▷] to set.

DVD, VCR, V.A:
When using a Control Dock for iPod, it is possible to connect with the audio and video input terminals of the assigned function.

CDR, CD:
When using a Control Dock for iPod, it is possible to connect with the audio input terminal of the assigned function.

None:
Select this when not assigning an iPod to the DRA-697's input terminal.

4 Press **ENTER**.

※ Canceling setup menu:
To cancel the setup menu press **MENU**.

1 ` System Setup `

2 ` System Setup `
` iPod Assign `

3 ` iPod Assign `
` iPod: ◀DVD▶ `

Setting the Trigger Out

Use the DC 12 V output of the DRA-697CI's two trigger out jacks in association with the various input sources.

1 Press **MENU** with the function set to something other "FM/AM", "XM" or the function selected at "iPod Assignment".

2 Press **<CH VOL>** or [△ ▽] to select "Trigger Out", then press **ENTER**.

3 Use **<SELECT>** or press [◁ ▷] to select the trigger out jacks, then press **ENTER**.

4 Use **<SELECT>** or press [◁ ▷] to select "ZONE", then press **ENTER**.

5 Press **<CH VOL>** or [△ ▽] to select the input source, then use **<SELECT>** or press [◁ ▷] to set.

ON, OFF:
When that input source is selected, the power supplied from the trigger out jack turns on or off.

6 Press **ENTER**.

※ Canceling setup menu:
To cancel the setup menu press **MENU**.

1 ` System Setup `

2 ` System Setup `
` Trigger Out `

3 ` Trigger Out `
` Trigger Out 1 `

4 ` Trigger Out 1 `
` ZONE  ◀ 2/3 ▶ `

5 ` Trigger Out 1 `
` DVD/VDP  ◀ON▶ `
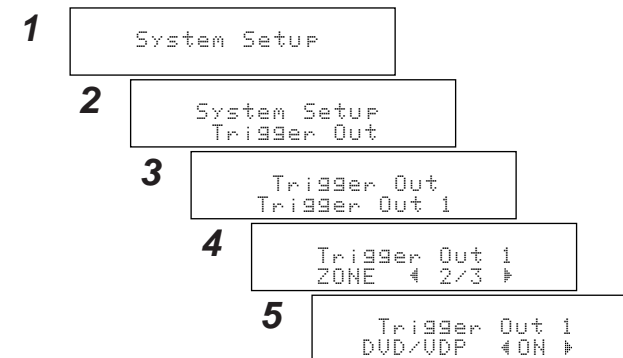
Setup Menu

Setting the High Pass Filter

Set this to "ON" if your speakers do not have a very strong capacity for producing low bass.

1 **Press MENU with the function set to something other "FM/AM", "XM" or the function selected at "iPod Assignment".**

2 **Press <CH VOL> or [△ ▽] to select "H. P. F.", then press ENTER.**

3 **Use <SELECT> or press [◁ ▷] to set.**

OFF:
Select this when not using a high pass filter.

ON:
Using the high pass filter makes it possible to reduce distortion of the bass sound.

4 **Press ENTER.**

※ Canceling setup menu:
To cancel the setup menu press **MENU**.

```
 1      System Setup

 2         System Setup
               H.P.F.

 3            H.P.F.
         ON/OFF:  ◀OFF▶
```
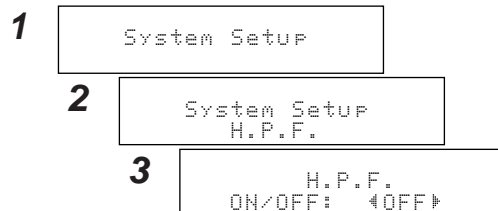
Operation

Before operating

1 **Press <POWER>.**

▬ **ON:**
The power indicator lights red.

■ **OFF:**
The power turns off and the indicator is off.

2 **Set [MODE SELECTOR 1] to "A".**

3 **Set [MODE SELECTOR 2] to "CD/iPod".**

4 **Press <ON/STANDBY> or [POWER ON].**
• The power indicator blinks green and the power turns on.

Playing the input source

1 **Use FUNCTION to select the input source you want to play.**

2 **Start playback on the selected component.**

※ For operating instructions, refer to the component's manual.

3 **Use VOLUME to adjust the volume.**
• The volume level is displayed on the volume level display.

Turning the sound off temporarily (MUTING)

Press [MUTING].

🖉

• Canceling MUTING mode:
To cancel the muting mode, either press **[MUTING]** or adjust the volume.

Listening over headphones

Connect the headphones to <PHONES>.
• No sound is produced from the speakers automatically.

NOTE:
• To prevent hearing loss, be careful not to raise the volume level excessively when using headphones.

Switching the speakers

Press <SPEAKER> to turn the corresponding speaker pair on.

Operation

FUNCTION   MODE <PRESET>   MENU   ENTER
BAND   SHIFT   TUNING   <SELECT>
STATUS

<ON/STANDBY>   PURE DIRECT   <LOUDNESS>   <CH VOL>
MEMORY   <TONE DEFEAT>   <TONE CONTROL>

SHIFT   [CHANNEL]
[FM/AM]
FUNCTION

ENTER
MENU   [DIMMER]

STATUS   [VIDEO SELECT]
PURE DIRECT

[NUMBER]
(0 ~ 9, +10)

BAND

[MEMORY BLOCK]

FUNCTION   MODE
MEMORY

TUNING

About the button names in this explanation
<   >   : Buttons on the main unit
[   ]   : Buttons on the remote control unit
Button name only :
    Buttons on the main unit and remote control unit

Operation

Checking the currently playing program source, etc.

Press STATUS.

• The current program source and various settings are indicated on the display.

Switching the brightness of the display

Press [DIMMER].

※ The brightness of the display can be adjusted in three steps. The display can also be turned off.

Selecting the play mode (PURE DIRECT)

This mode reproduces the sound with extremely high quality. The display that could affect the audio signals are turned "OFF".

Press PURE DIRECT.

Setting the tone control

❑ Adjusting the tone

1 Press <TONE CONTROL> to select "BASS" or "TREBLE".

2 Use <SELECT> to set the level.

※ Can be adjusted within the range of –10 dB to +10 dB.

❑ When you do not want to adjust the tone

Press <TONE DEFEAT> to select "TONE DEFEAT ON".

❑ When listening with the volume turned low

Press <LOUDNESS> to select "LOUDNESS ON".

Adjusting the speaker volume

1 Press <CH VOL> to select the speaker.

※ The settable speaker switches each time this button is pressed.

2 Use <SELECT> to adjust the volume.

※ Can be adjusted within the range of –12 dB to +12 dB.

Combining the currently playing sound with the desired image (VIDEO SELECT function)

Press [VIDEO SELECT] until the desired image appears on the display.

✎

• To cancel, press [VIDEO SELECT] to select "SOURCE".
• The video source selected with the video select function is stored in the memory for the different input sources.

Operation

Listening to the radio

Check that the remote control unit is set to "A".

Auto preset memory

This unit is equipped with a function for automatically searching for FM broadcast stations and storing them in the preset memory.

1 **With the function set to "FM/AM", press MENU.**
• "Auto Preset" is displayed.

2 **Press ENTER.**
• The unit automatically begins searching for FM broadcast stations.

※ When the first FM broadcast station is found, that station is stored in the preset memory at channel A1.
Subsequent stations are automatically stored in order at preset channels A1 to A8, B1 to B8, C1 to C8, D1 to D8, E1 to E8, F1 to F8 and G1 to G8 for a maximum of 56 stations.
※ Channel A1 is tuned in after the auto preset memory operation is completed.

• If an FM station cannot be preset automatically due to poor reception, use the "Manual tuning" operation to tune in the station, then preset it using the manual "Preset memory" operation.
• To interrupt this function, press **<ON/STANDBY>**.

❏ Default settings

Auto tuner presets	
A1 ~ A8	87.5 / 89.1 / 98.1 / 107.9 / 90.1 / 90.1 / 90.1 / 90.1 MHz
B1 ~ B8	520 / 600 / 1000 / 1400 / 1500 / 1710 kHz, 90.1 / 90.1 MHz
C1 ~ C8	90.1 MHz
D1 ~ D8	90.1 MHz
E1 ~ E8	90.1 MHz
F1 ~ F8	90.1 MHz
G1 ~ G8	90.1 MHz

Auto tuning

1 **Use FUNCTION or press [FM/AM] to select "FM/AM".**

2 **Press BAND to select "AM" or "FM".**

3 **Press MODE to set the auto tuning mode.**
• The "AUTO" indicator lights.

4 **Press TUNING.**
• Automatic searching begins.

• If tuning does not stop at the desired station, use to the "Manual tuning" operation.
• "AM" or "FM" can be selected directly by pressing **[FM/AM]**.

Manual tuning

1 **Use FUNCTION or press [FM/AM] to select "FM/AM".**

2 **Press BAND to select "AM" or "FM".**

3 **Press MODE to set the manual tuning mode.**
※ Check that the display's "AUTO" indicator turns off.

4 **Press TUNING.**
※ The frequency changes continuously when the button is held in.

• When the manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator turns off.

Operation

Preset memory

1 **Use the "Auto tuning" or "Manual tuning" operation to tune in the station to be preset in the memory.**

2 **Press MEMORY.**

3 **Press [MEMORY BLOCK] (A to G) or SHIFT to select the desired memory block (A to G).**

4 **Press <PRESET>, [CHANNEL] or [NUMBER] to select the desired preset channel (1 to 8).**

5 **Press MEMORY again.**
• Store the station in the preset memory.

• To preset other channels, repeat steps 2 to 5.
A total of 56 broadcast stations can be preset — 8 stations (channels 1 to 8) in each of blocks A to G.

Recalling preset stations

1 **Press [MEMORY BLOCK] (A to G) or SHIFT to select the memory block.**

2 **Press <PRESET>, [CHANNEL] or [NUMBER] to select the desired preset channel.**

Operation
Operation

FUNCTION

ENTER

STATUS

XM RADIO   TUNING

FUNCTION

XM RADIO

ENTER
[△ ▽ ◁ ▷]

STATUS

[NUMBER]
(0 ~ 9, +10)

[SEARCH]

FUNCTION

TUNING

About the button names in this explanation
<   >   : Buttons on the main unit
[   ]   : Buttons on the remote control unit
Button name only :
    Buttons on the main unit and remote control unit

XM Satellite Radio

❏ ABOUT XM SATELLITE RADIO

XM Satellite Radio offers an extraordinary variety of commercial-free music, plus the best in sports, news, talk and entertainment. XM is broadcast in superior digital audio from coast to coast. From rock to reggae, from classical to hip hop, XM has something for every music fan. XM's dedication to playing the richest selection of music is matched by its passion for live sporting events, talk radio, up-to-the-minute news, stand-up comedy, children's programming, and much more. For U.S. customers, information about XM Satellite Radio is available online at www.xmradio.com. For Canadian customers, information about XM Canada is online at www.xmradio.ca.

❏ XM READY® LEGAL

Hardware and required monthly subscription sold separately. Other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channel blocking is available for XM radio receivers by calling 1-800-XMRADIO (US residents) and 1-877-GET-XMSR (Canadian residents).

For a full listing of the XM commercial-free channels and advertising-supported channels, visit lineup.xmradio.com (US residents) or xmradio.ca (Canadian residents).

Subscriptions subject to Customer Agreement available at xmradio.com (US residents) and xmradio.ca (Canadian residents). Only available in the 48 contiguous United States and Canada. ©2006 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.

❏ XM READY® SUBSCRIPTIONS

Once you have installed the XM Mini-Tuner Dock, inserted the XM Mini-Tuner, connected the XM Dock to your XM Ready® home audio system, and installed the antenna, you are ready to subscribe and begin receiving XM programming. There are three places to find your eight character XM Radio ID: on the XM Mini-Tuner, on the XM Mini-Tuner package, and on XM Channel 0. Record the Radio ID in the following eight squares for reference.

Note: The XM Radio ID does not use the letters "I", "O", "S" or "F". Activate your XM Satellite Radio service in the U.S. online at http://activate.xmradio.com or call 1-800-XM-RADIO (1-800-967-2346). You will need a major credit card. XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10 to 15 minutes, but during peak busy periods you may need to keep your XM Ready home audio system on for up to an hour. When you can access the full channel lineup on your XM Ready home audio system you are done. For more information or to subscribe in Canada, visit XM on the Web at www.xmradio.ca or call XM's Listener Care at 1-877-GET-XMSR (1-877-438-9677).

Checking the XM signal strength and Radio ID

1 Use **FUNCTION** to select "XM" or press **XM RADIO**.

2 Press **STATUS** until "SIGNAL" is displayed.
• The display changes as shown below according to the receiving condition.

Display	Condition
GOOD	Signal strength is good
MARGINAL	Signal strength is marginal
WEAK	Signal strength is poor
NO	Loss of the signal

3 Adjust the antenna location until "SIGNAL:GOOD" is displayed.

4 Press **STATUS** until the XM channel (ex.XM001) is displayed.

5 Press **TUNING** to select channel 0 (XM000).

```
XM000   RADIO ID
        ████████ ◄──── Radio ID
```

Channel selection

1 Use **FUNCTION** to select "XM" or press **XM RADIO**.

2 Press **TUNING** to reach the desired channel.

Channel number

```
XM040   DeepTrks ◄──── Channel name
████████████████ ◄──── Song title / Artist name
```
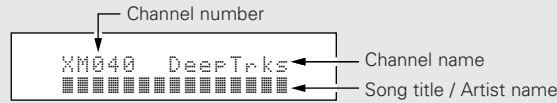
※ The channel changes continuously when you press and hold **TUNING**.

※ When the artist name and song title are received, they are displayed.

Category search

1 Press [◁ ▷] in the XM mode.
• The current category name is displayed.

```
XM006   60's
CAT:    Rock ◄──── Channel category
```
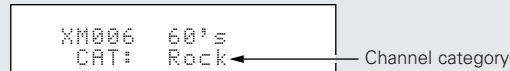
2 Press [◁ ▷] to select the category, and press [△ ▽] to select the channel within the selected category.

✎

• "LOADING" is displayed while receiving the channel or information.
• "UPDATING" is displayed while updating encryption code.
• When the selected channel is not available, "XM – – –" is displayed.
• Information on the artist name, song title, category and signal level can be checked using **STATUS**.
• The XM Satellite Radio channels can be preset in the same way as AM/FM band.
• In addition to AM/FM band presetting, a total of 56 stations can be preset.
• "XM" can be selected directly by pressing **XM RADIO**.

Direct access of channels

1 Press [**SEARCH**] in the XM mode.

```
XM___
    DIRECT SEARCH
```

2 Press [**NUMBER**] to enter the desired channel.

※ For example, if you want to access channel 123 (ex.XM123) press [**NUMBER**] as shown below.

```
1
```
```
XM001
    DIRECT SEARCH
```

```
2
```
```
XM012
    DIRECT SEARCH
```

```
3
```
```
XM123
    DIRECT SEARCH
```
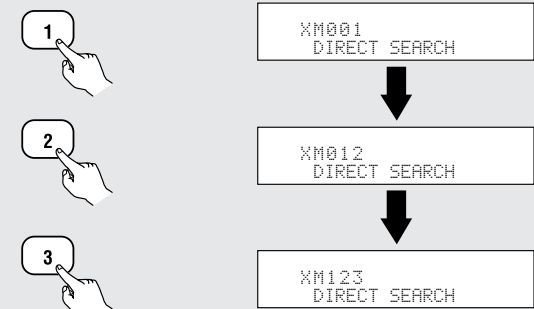
(Remote control unit)

3 Once all number have been input, press **ENTER** to change the channel.

※ If the next [**NUMBER**] is not pressed within several seconds, the channel automatically switches to the channel number that was input.
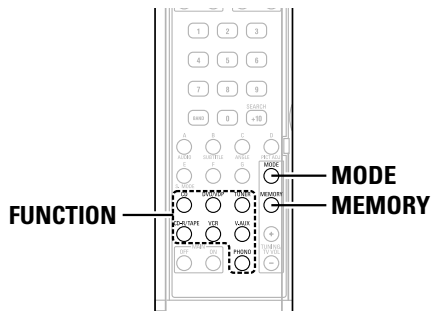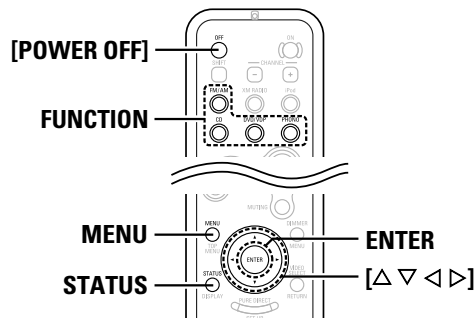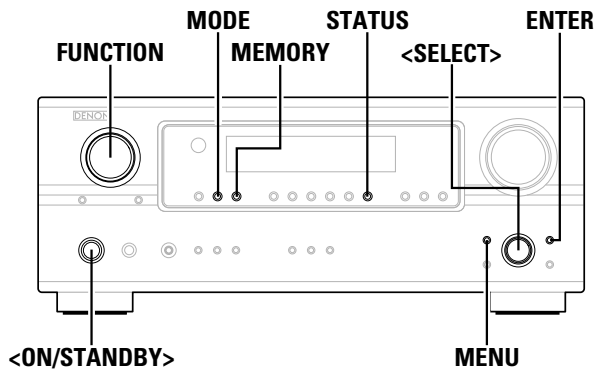
MODE   STATUS   ENTER

FUNCTION   MEMORY   <SELECT>

<ON/STANDBY>   MENU

[POWER OFF]

FUNCTION

MENU   ENTER

STATUS   [△ ▽ ◁ ▷]

MODE
MEMORY

FUNCTION

About the button names in this explanation

<   >   : Buttons on the main unit

[   ]   : Buttons on the remote control unit

Button name only :

Buttons on the main unit and remote control unit

Playing the iPod®

The music recorded on the iPod can be played when using a Control Dock for iPod (ASD-1R, sold separately). The iPod can be controlled using the buttons on the main unit and the remote control unit.

```
Made for
iPod
```
iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

※ With the iPod, non-copyrighted contents and contents that may be legally reproduced or played may be reproduced and played by individuals for their personal use. Violating copyrights is prohibited by law.

✎

• The optional standard Control Dock for iPod is DENON ASD-1R sold separately.

• To assign to a different function after a function has already been assigned, switch to a function other than the one that is assigned then repeat the procedure.

NOTE:
• DENON will accept no responsibility whatsoever for loss or damage of data on an iPod occurring when the iPod is used connected to the DRA-697CI.
• Some of the functions may not operate, depending on the type of iPod and the software version.

Listening to music

1 **Connect the DRA-697CI and iPod using the Control Dock for iPod (ASD-1R) (☞ page 9).**

2 **Assign the input terminal at "Setting the iPod Assignment" (☞ page 11).**

3 **Use FUNCTION to select the function assigned in step 2.**
• Display "Remote iPod" on the main unit's display.

```
Remote iPod
```
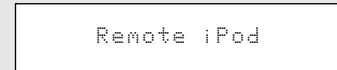
※ If the screens above are not displayed, the iPod may not be properly connected. Check the connections and settings.

4 **Operate using MENU, <SELECT>, [△ ▽ ◁ ▷] and ENTER while watching the iPod's screen.**

✎

• The optional standard Control Dock for iPod is DENON ASD-1R sold separately.

Listening to music in the Browse mode

The mode switches between the Remote mode and the Browse mode if **MODE** is pressed for at least 2 seconds.

1 **Use <SELECT> or press [△ ▽] to select the music file, then press ENTER or [▷].**

※ Press [◁] to return to the music menu screen.

2 **Press ENTER or [▷].**
• Playback starts.

Pause:
Press **ENTER** during playback.
Press again to resume.

Manual search:
Press and hold in **[△ ▽]** during playback.
• △: Fast reverse
• ▽: Fast forward

Track search:
Press **[△ ▽]** during playback.
• △: Move to beginning of previous track
• ▽: Move to beginning of next track

Stop:
Press **ENTER** for at least 2 seconds during playback.

Repeat play:
Press **MODE**.
The mode switches as follows each time **MODE** is pressed.
• **Repeat One:** Single track repeat
• **Repeat All:** All track repeat

Shuffle play:
Press **MEMORY**.
The mode switches as follows each time **MEMORY** is pressed.
• **Shuffle Songs:** Single track shuffle
• **Shuffle Albums:** Album shuffle

※ In the Remote mode, only **<SELECT>**, **[△ ▽ ◁ ▷]**, **MENU**, **MODE**, **MEMORY** and **ENTER** can be used.

• When **STATUS** is pressed during playback, the front panel display switches between the title name, artist name and album name.
• Depending on the iPod's software version, it may not be possible to operate the iPod from the DRA-697CI. Use the latest version of the software. Information on the latest version of the software can be obtained on the Apple Computer website.
• With the DRA-697CI it is possible to display folder names and file names on the screen like titles. The DRA-697CI can display up to 64 characters, consisting of numbers, capital letters and small letters. A "?" mark is displayed in place of non-compatible characters.

Viewing still pictures and videos (only for iPods equipped with the slideshow/video function)

Use this procedure to view photo and video data stored on the iPod on a monitor.

1 **Press MODE for at least 2 seconds to switch from the Browse mode to the Remote mode.**
• "Remote iPod" is displayed on the DRA-697CI's display.

2 **Watching the iPod's screen, press [△ ▽] to select "Photos" or "Video", then press ENTER.**
• The iPod's photo and video data are displayed on the monitor.

• To output photo or video data recorded on the iPod to the monitor, the iPod's "TV Out" setting (under "Video Settings") must be set to "ON".
For details, refer to the iPod's operating instructions.

Disconnecting the iPod

Press <ON/STANDBY> or [POWER OFF] and set the DRA-697CI's power to the standby mode.

※ The iPod can be disconnected after switching to a function other than the one to which the iPod input is assigned.

Multi zone music entertainment system

• When the outputs of the ZONE2 (ZONE3) OUT terminals are wired and connected to power amplifiers installed in other rooms, different sources can be played in rooms other than the MAIN ZONE in which this unit and the playback devices are installed. (Refer to ZONE2 (ZONE3) on the diagram below.)

• When a sold separately room-to-room remote control unit is wired and connected between the MAIN ZONE and ZONE2 (ZONE3), the remote-controllable devices in the MAIN ZONE can be controlled from ZONE2 (ZONE3) using the remote control unit.

※ To control playback devices other than the ones above, either use that device's remote control unit or preset a separately sold programmable remote control unit.

• For instructions on installation and operation of separately sold devices, refer to the devices' operating instructions.

Multi-zone playback using the ZONE2 and ZONE3 PREOUT terminals

❑ When using the power amplifier as the MAIN ZONE output

• The DRA-697CI is equipped with pre-out terminals for which the volume is adjustable and video output terminals (composite) as the ZONE2 (ZONE3) output terminals, and variable output level as the ZONE2 (ZONE3) output terminals.

[System configuration and connections example]

Using external amplifier.
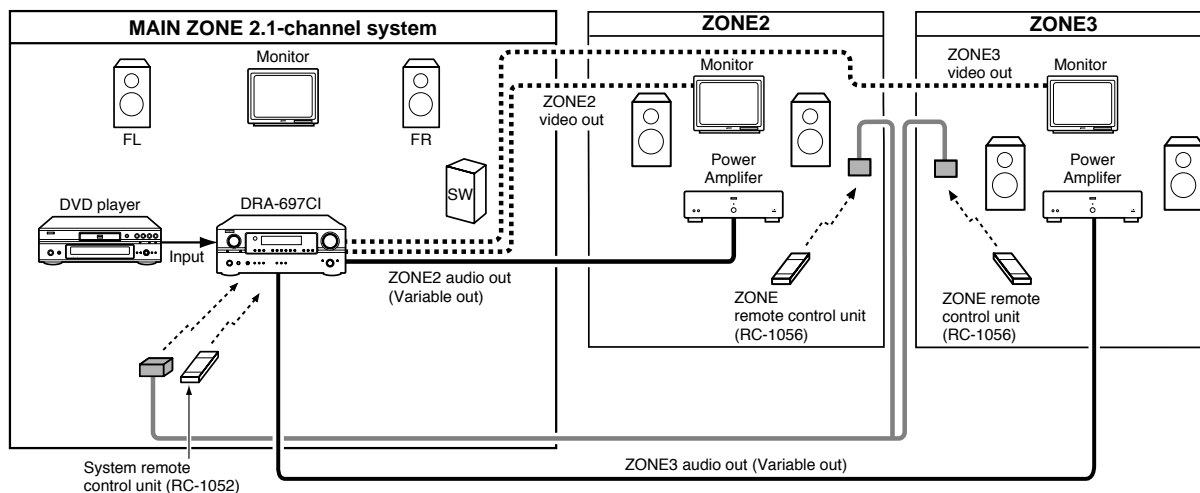
     - - - - - : Multi source video signal cable

     —————— : Multi source audio signal cable

     —————— : Room-to-room remote control system (separately sold) control line

※ Refer to "Connections" (☞ page 9).
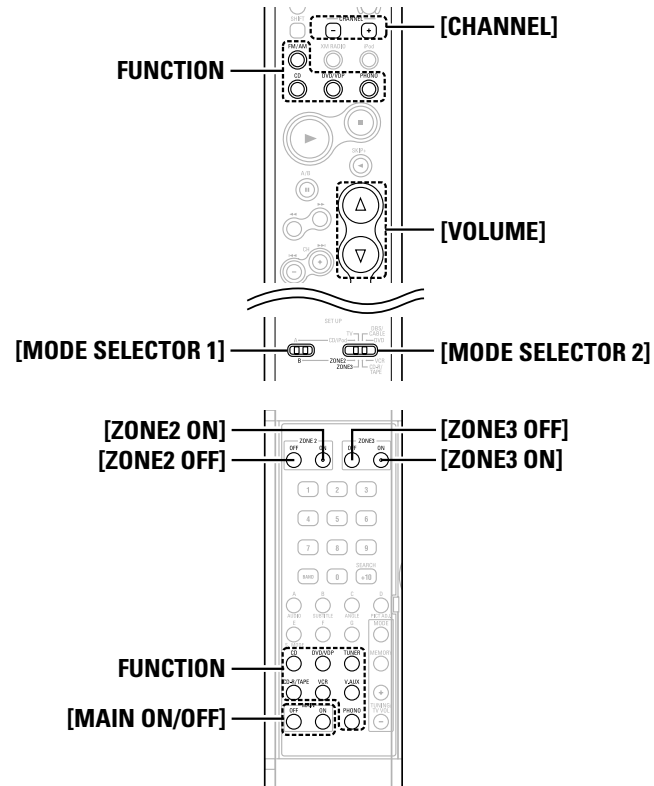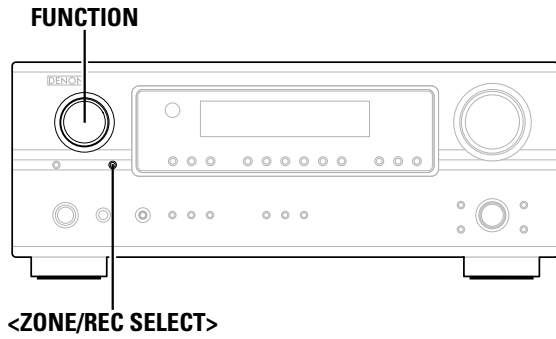
FUNCTION

<ZONE/REC SELECT>

FUNCTION

[CHANNEL]

[VOLUME]

[MODE SELECTOR 1] ——— **[MODE SELECTOR 2]**

[ZONE2 ON] ——— **[ZONE3 OFF]**
[ZONE2 OFF] ——— **[ZONE3 ON]**

FUNCTION

[MAIN ON/OFF]

About the button names in this explanation
< > : Buttons on the main unit
[ ] : Buttons on the remote control unit
Button name only :
Buttons on the main unit and remote control unit

Outputting a program source to amplifier, etc., in the ZONE2 (or ZONE3) room (ZONE2 or ZONE3 SELECT mode)

1 **Press <ZONE/REC SELECT> to select "M-ZONE".**

M-ZONE ←——→ RECOUT

2 **Use FUNCTION to select the source you want to output appears on the display.**
• The " ZONE " indicator and the indicator for the selected source light.

3 **Start playing the source to be output.**
※ For operating instructions, refer to the manuals of the respective components.

✎
• The signals of the source selected in the ZONE mode are also output from the VCR and CD-R/TAPE recording output terminals.

Remote control unit operations during multi-source playback

1 **Set [MODE SELECTOR 1] to the "B".**

2 **Set [MODE SELECTOR 2] to the "ZONE2" or "ZONE3".**

3 **Press [ZONE2 (ZONE3) ON] to turn on the zone power.**
※ To cancel the ZONE2 or ZONE3 mode:
Press [ZONE2 OFF] or [ZONE3 OFF].

4 **Use [FUNCTION] to select the input source you wish to output.**
• The " ZONE " indicator and the indicator for the selected source light.

※ The MULTI ZONE source switches directly.
※ When the MULTI ZONE SOURCE function is set to "FM/AM", the preset channel can be selected pressing [CHANNEL].

5 **The volume of the outputs of the different zones can be adjusted with [VOLUME].**

※ Default volume setting
ZONE2/ZONE3 : – – – dB (Minimum)
※ The zone volume can be adjusted within the range of –80 to 18 dB, in steps of 0.5 dB.

✎
• When using ZONE2 or ZONE3, it is possible to turn the power for the MAIN ZONE only on or off by pressing [MAIN ON/OFF].
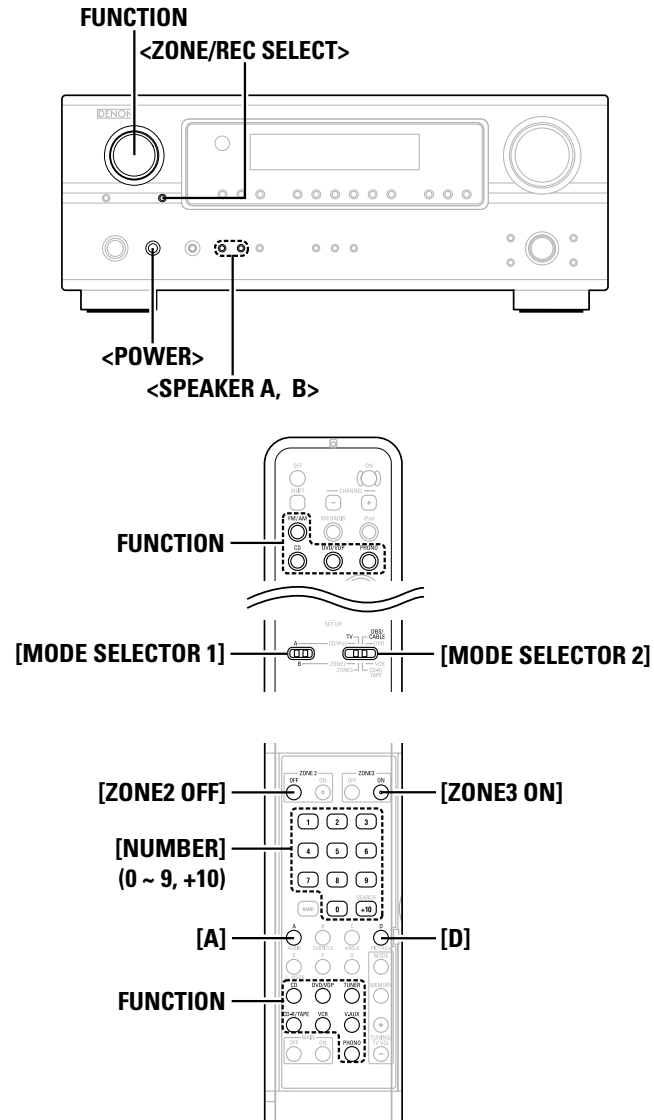
Operation

Operation

FUNCTION

<ZONE/REC SELECT>

<POWER>

<SPEAKER A, B>

FUNCTION

[MODE SELECTOR 1]   [MODE SELECTOR 2]

[ZONE2 OFF]   [ZONE3 ON]

[NUMBER]
(0 ~ 9, +10)

[A]   [D]

FUNCTION

About the button names in this explanation

<   >   : Buttons on the main unit
[   ]   : Buttons on the remote control unit
Button name only :
     Buttons on the main unit and remote control unit

Recording (audio and/or video)

1 **Press <ZONE/REC SELECT> until "RECOUT" appears on the display.**

M-ZONE ⟷ RECOUT

2 **Use FUNCTION to select the source to be recorded (audio and/or video).**
• The " REC " indicator lights.

3 **Record (the audio or video signals).**

※ For operations, see the operating instructions of the device from which you are recording (audio or video signals).

✎

• To cancel, press **<ZONE/REC SELECT>** and set the function to "ZONE".

NOTE:
• When the REC OUT mode is selected, **FUNCTION** (ZONE) cannot be operated.

About the memory functions

❏ Last function memory
The various settings set when the DRA-697CI's power is switched to standby are stored in the memory. When the power is turned back on, the settings made when the power was switched to standby are recalled.

❏ Backup memory
The various settings are stored in the memory for about 1 week, even when the power is turned off or the power cord is unplugged.

Initialization of the microprocessor

If the indication on the display is not normal or if the operation of the unit is not correct, then the microprocessor should be reset by the following procedure.

1 **Switch off the unit using <POWER>.**

2 **Press and hold in <SPEAKER A>, <SPEAKER B> and <POWER> simultaneously until "PLEASE WAIT" is displayed.**
• The microprocessor will be initialized.

✎

• If step 2 does not work, start over from step 1.
• If the microprocessor has been reset, all the button settings are reset to the default values (the values set upon shipment from the factory).

Operating the remote control unit

Operating DENON audio components

1 Set **[MODE SELECTOR 1]** to "A" or "B".

2 Set **[MODE SELECTOR 2]** to the position for the component to be operated.

3 Operate the audio component.

※ For details, refer to the component's operating instructions.
※ While this remote control is compatible with a wide range of infrared controlled components, it may be the case that some component models cannot be operated with this remote control.

Setting the preset memory function

• DENON and other makes of components can be operated by setting the preset memory.
• This remote control unit can be used to operate components of other manufacturers without using the learning function by registering the manufacturer of the component as shown in the list of preset codes (☞ End of this manual).
• Operation is not possible for some models.

1 Set **[MODE SELECTOR 1]** to "A" or "B".

※ Set to the A side for the CD/iPod, TV, DBS/CABLE or DVD position, and to the B side for the CD-R/TAPE or VCR position.

2 Set **[MODE SELECTOR 2]** to the component to be registered.

3 Press **[ZONE2 OFF]** and **[ZONE3 ON]** at the same time.
• The indicator starts flashing.

4 Referring to the included list of preset codes, press **[NUMBER]** to input the preset code (a 3-digit number) for the manufacturer of the component whose signals you want to store in the memory.

5 To store the codes of another component in the memory, repeat steps 1 to 4.

✎

• The signals for the pressed buttons are emitted while setting the preset memory. To avoid accidental operation, cover the remote control unit's transmitting window while setting the preset memory.
• Depending on the model and year of manufacture, this function cannot be used for some models, even if they are of makes listed in the list of preset codes.
• Some manufacturers use more than one type of remote control code. Refer to the included list of preset codes to change the number and verify correct operation.
• The preset memory can be set for one component only among the following: CD/iPod, DBS/CABLE and CD-R/TAPE.

Setting the punch through function

"Punch Through" is a function allowing you to operate ▶, ■, ◀, ❙❙, ◀◀, ▶▶, ❙◀◀ and ▶▶❙ on CD, DVD/VDP, TAPE/CD-R/MD or VCR components when in the TV or DBS/CABLE mode. By default, nothing is set.

1 Set **[MODE SELECTOR 1]** to "A".

2 Set **[MODE SELECTOR 2]** to the component to be registered (TV or DBS/CABLE).

3 Press **[A]** and **[D]** at the same time.
• The indicator starts flashing.

4 Input the number of the component you want to set.

	No.
CD	1
DVD/VDP	2
TAPE/CD-R/MD	3
VCR	4
No setting	0

Operating a component stored in the preset memory

1 Set **[MODE SELECTOR 1]** to "A" or "B".

※ Set to the A side for the CD/iPod, TV, DBS/CABLE or DVD position, and to the B side for the CD-R/TAPE or VCR position.

2 Set **[MODE SELECTOR 2]** to the component you want to operate.

3 Operate the component.

※ For details, refer to the component's operating instructions.
※ Some models cannot be operated with this remote control unit.

Operating the remote control unit

❑ Functions of buttons for the different devices

[Front]

Device operated	CD player or iPod	TV (Monitor)	Satellite tuner	Cable TV	DVD player	CD recorder	Tape deck	MD recorder	Video deck
MODE SELECTOR 1	A					B			
MODE SELECTOR 2	CD/iPod	TV	DBS/CABLE		DVD	CD-R/TAPE			VCR
OFF	Power off	–	–	–	Power off	Power off	Power off	Power off	–
ON	Power on	Power on	Power on	Power on	Power on	Power on	Power on	Power on	Power on
CHANNEL –	Preset –	TV channels –	Channels –	Channels –	Preset –	Preset –	Preset –	Preset –	TV channels –
CHANNEL +	Preset +	TV channels +	Channels +	Channels +	Preset +	Preset +	Preset +	Preset +	TV channels +
►	Play	Punch through	Punch through	Punch through	Play	Play	Forward play	Play	Play
■	Stop	Punch through	Punch through	Punch through	Stop	Stop	Stop	Stop	Stop
II, A/B	Pause	Punch through	Punch through	Punch through	Pause	Pause	A/B switching	Pause	Pause
◄, SKIP +	Disc skip +	Punch through	Punch through	Punch through	Disc skip +	–	Reverse play	–	–
◄◄	Search (reverse)	Punch through	Punch through	Punch through	Search (reverse)	Search (reverse)	Rewind	Search (reverse)	Search (reverse)
►►	Search (forward)	Punch through	Punch through	Punch through	Search (forward)	Search (forward)	Fast forward	Search (forward)	Search (forward)
I◄◄, VCR CH –	Skip (reverse)	Punch through	Punch through	Punch through	Skip (reverse)	Skip (reverse)	–	Skip (reverse)	Channel –
►►I, VCR CH +	Skip (forward)	Punch through	Punch through	Punch through	Skip (forward)	Skip (forward)	–	Skip (forward)	Channel +
MENU	Menu	Menu	Menu	Menu	Top menu	Menu	Menu	Menu	–
△ ▽ ◁ ▷	Cursor operation	Cursor operation	Cursor operation	Cursor operation	Cursor operation	Cursor operation	Cursor operation	Cursor operation	–
DIMMER	Dimmer	Dimmer	Dimmer	Dimmer	Menu	Dimmer	Dimmer	Dimmer	Dimmer
ENTER	Enter	Enter	Enter	Enter	Enter	Enter	Enter	Enter	–
STATUS	Status	Display	Display	Display	Display	Status	Status	Status	–
VIDEO SELECT	Video selection	Return	Return	Return	Return	Video selection	Video selection	Video selection	–
PURE DIRECT	Pure direct	Pure direct	Pure direct	Pure direct	Set up	Pure direct	Pure direct	Pure direct	Pure direct

Operating the remote control unit

[Rear]

Device operated	CD player or iPod	TV (Monitor)	Satellite tuner	Cable TV	DVD player	CD recorder	Tape deck	MD recorder	Video deck
MODE SELECTOR 1	A					B			
MODE SELECTOR 2	CD/iPod	TV	DBS/CABLE		DVD	CD-R/TAPE			VCR
NUMBER (0 ~ 9, +10)	Channels	Channels	Channels	Channels	Channels	Channels	Channels	Channels	Channels
BAND	FM/AM switching	TV/VCR switching	TV/VCR switching	TV/VCR switching	TV/VCR switching	FM/AM switching	FM/AM switching	FM/AM switching	TV/VCR switching
A, AUDIO	Memory block	–	–	–	Audio	Memory block	Memory block	Memory block	–
B, SUBTITLE	Memory block	–	–	–	Subtitle	Memory block	Memory block	Memory block	–
C, ANGLE	Memory block	–	–	–	Angle	Memory block	Memory block	Memory block	–
D, PICT ADJ.	Memory block	–	–	–	Picture adjust	Memory block	Memory block	Memory block	–
E, S.MODE	Memory block	–	–	–	Search mode	Memory block	Memory block	Memory block	–
TUNING +	Tuning +	TV volume +	Volume +	Volume +	TV volume +	Tuning +	Tuning +	Tuning +	TV volume +
TUNING –	Tuning –	TV volume –	Volume –	Volume –	TV volume –	Tuning –	Tuning –	Tuning –	TV volume –
Default setting (Preset code)	DENON (111)	HITACHI (134)	–	ABC (007)	DENON (111)	–	DENON (114)	–	HITACHI (108)
Special remarks	①	①, ③	①, ③		①, ②	①			①

Special remarks:

① It is only possible to set the preset memory for one device per mode. When a new code is preset, the previous code is automatically deleted.

② Note that the function names of the DVD buttons on the remote control unit may differ for some brands. Check beforehand.

③ The CD, TAPE/CD-R/MD, VCR or DVD/VDP buttons can be assigned to a TV or satellite tuner (or cable TV) (☞ page 22).

Troubleshooting

If a problem should arise, first check the following.
1. **Are the connections correct?**
2. **Have you operated the receiver according to the Operating Instructions?**
3. **Are the speakers and other components operating properly?**
If this unit is not operating properly, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

Symptom	Cause	Measures	Page
Display not lit and sound not produced when POWER switch set to on.	• Power supply cord not plugged in securely.	• Check the insertion of the power supply cord plug.	10
Display lit but sound not produced.	• Speaker cables not securely connected. • FUNCTION knob position is not appropriate. • Volume control set to minimum. • MUTING is on.	• Connect securely. • Switch to the proper position. • Turn volume up to suitable level. • Switch off MUTING.	6 12 12 12
Nothing is displayed on monitor.	• DRA-697CI's video output terminals and monitor's input terminals are not properly connected. • Monitor's input setting is wrong.	• Check that the connections are correct. • Set the monitor's input selector to the terminals to which video signals are connected.	6 —
Copying from DVD to VCR is not possible.	• Copying between a source such as DVD and a VCR is not usually possible, as DVDs are often encoded with copy-protection signals that prevent VCR recording.	• Copying is not possible.	—
No sound is produced from subwoofer.	• Subwoofer's power is not on. • Subwoofer's output is not connected. • The subwoofer's channel volume level is set to "–12 dB".	• Turn on the power. • Connect properly. • Turn the subwoofer's channel volume level up.	— 6 13

Symptom	Cause	Measures	Page
This unit does not operate properly when remote control unit is used.	• Batteries dead. • Remote control unit too far from this unit. • Obstacle between this unit and remote control unit. • Different button is being pressed. • ⊕ and ⊖ ends of batteries inserted in reverse.	• Replace with new batteries. • Move closer. • Remove obstacle. • Press the proper button. • Insert batteries properly.	2 2 — — 2
Power has turned off and the power indicator is blinking red.	• The set's internal temperature has risen and the protection circuit has been activated. • The core wires of the speaker cables are touching each other or the DRA-697CI's rear panel, activating the protection circuit. • DRA-697CI is malfunctioning.	• Put the DRA-697CI in a well-ventilated place. • Turn off the power, then wait for the set to fully cool off before turning the power back on. • Check the connections of all the speaker cables. • Turn off the power and contact a DENON customer service center.	2, 6 6 6 6
"CHECK ANTENNA" is displayed in the XM mode.	• DRA-697CI's XM connectors and the XM Mini-Tuner and Home Dock is not properly connected.	• Check that the connection are correct.	8
"NO SIGNAL" is displayed in the XM mode.	• The signal cannot be received.	• Reposition your XM Mini-Tuner and Home Dock.	8, 15
"OFF AIR" is displayed in the XM mode.	• The selected channel is not currently broadcasting.	• Select the another channel.	16
Receiving only XM channels 0 and 1.	• The XM Tuner is not activated.	• Contact XM Radio.	8, 15

25

Specifications

❏ Audio section
• Power amplifier

Rated output:	100 W + 100 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.08 % T.H.D.)
Output terminals:	A or B 4 ~ 16 Ω/ohms
	A + B 8 ~ 16 Ω/ohms

• Analog
(LINE input-PRE OUT)

Input sensitivity / input impedance:	200 mV / 47 kΩ/kohms
Frequency response:	10 Hz ~ 100 kHz: +1, –3 dB (TONE DEFEAT ON)
S/N:	98 dB (IHF-A weighted) (TONE DEFEAT ON)
Total harmonic distortion:	0.009 % (–3 dB at rated output) (1 kHz)
Rated output:	1.2 V

❏ Video section
• Standard video terminals

Input / output level and impedance:	1 Vp-p, 75 Ω/ohms
Frequency response:	5 Hz ~ 10 MHz — +1, –3 dB

❏ Tuner section

	[FM]	[AM]
(note: μV at 75 Ω/ohms, 0 dBf = 1 x 10^{-15} W)		
Receiving Range:	87.5 MHz ~ 107.9 MHz	520 kHz ~ 1710 kHz
Usable Sensitivity:	1.0 μV (11.2 dBf)	18 μV
50 dB Quieting Sensitivity:	MONO 1.6 μV (15.3 dBf)	
	STEREO 23 μV (38.5 dBf)	
S/N (IHF-A):	MONO 77 dB (IHF-A weighted)	
	STEREO 72 dB (IHF-A weighted)	
Total Harmonic Distortion (at 1 kHz):	MONO 0.15 %	
	STEREO 0.3 %	

❏ General

Power supply:	AC 120 V, 60 Hz
Power consumption:	4.2 A
	1 W Max (Standby)
Maximum external dimensions:	434 (W) x 171 (H) x 417 (D) mm (17-3/32″ x 6-47/64″ x 16-27/64″)
Mass:	10.5 kg

❏ Remote control unit (RC-1052)

Batteries:	R6P/AA Type (Two batteries)
External dimensions:	52 (W) x 243 (H) x 21 (D) mm (2-3/64″ x 9-9/16″ x 53/64″)
Mass:	175 g (Approx. 6.2 oz) (included batteries)

❏ ZONE remote control unit (RC-1056)

Batteries:	R03/AAA Type (Two batteries)
External dimensions:	54 (W) x 115 (H) x 23 (D) mm (2-1/8″ x 4-17/32″ x 29/32″)
Mass:	80 g (Approx. 2.8 oz) (included batteries)

* For purposes of improvement, specifications and design are subject to change without notice.

❏ List of preset codes

DVD

Denon	014, *[111]
Aiwa	009
Hitachi	010
JVC	006, 011
Konka	012, 013
Magnavox	005
Mitsubishi	004
Panasonic	014
Philips	005, 015, 016, 017
Pioneer	003, 008
Sanyo	018
Sony	002, 019, 020
Toshiba	001, 021, 022
Zenith	023

VDP

Denon	028, 029, 112
Magnavox	026
Mitsubishi	028
Panasonic	029, 030
Philips	026
Pioneer	028, 031
RCA	032
Sony	033, 034, 035, 036

VCR

Admiral	081
Aiko	095
Aiwa	009
Akai	026, 027, 070, 072, 082, 083, 084
Alba	055
Amstrad	009
ASA	042
Asha	087
Audio Dynamic	005, 085
Audiovox	088
Beaumark	087
Broksonic	086, 093
Calix	088
Candle	006, 087, 088, 089, 090
Canon	049, 057
Capehart	025, 055, 056, 071
Carver	015
CCE	095
Citizen	006, 007, 087, 088, 089, 090, 095
Craig	007, 087, 088, 091, 115
Curtis Mathes	006, 049, 073, 080, 087, 090, 092
Cybernex	087
Daewoo	025, 055, 059, 074, 089, 093, 095, 096
Daytron	025, 055
DBX	005, 085
Dumont	053
Dynatech	009
Electrohome	001, 088, 097
Electrophonic	088
Emerson	001, 009, 017, 027, 086, 088, 089, 092, 093, 097, 100, 101, 102, 103, 104, 117
Fisher	009, 028, 031, 053, 054, 091, 099, 115
GE	007, 011, 049, 050, 051, 052, 073, 080, 087
Go Video	047, 048
Goldstar	000, 006, 012, 062, 088
Gradiente	094
Grundig	042
Harley Davidson	094
Harman Kardon	040, 062
Hi-Q	091
Hitachi	009, 013, 023, 026, 058, *[108], 109, 110, 111
JC Penny	004, 005, 007, 023, 028, 049, 062, 085, 087, 088
Jensen	013, 026
JVC	004, 005, 006, 026, 029, 043, 044, 045, 046, 085
Kenwood	004, 005, 006, 026, 029, 033, 045, 085, 090
Kodak	088
Lloyd	009, 094
LXI	088
Magnavox	015, 016, 042, 049, 063, 106
Magnin	087
Marantz	004, 005, 006, 015, 042, 049, 085, 090
Marta	088
MEI	049
Memorex	009, 033, 049, 053, 060, 081, 087, 088, 091, 094, 115
Metz	123, 124, 125, 126, 127, 128
MGA	001, 017, 027, 041, 097
MGN Technology	087
Midland	011
Minolta	013, 023
Mitsubishi	001, 003, 008, 013, 014, 017, 027, 029, 039, 040, 041, 045, 097
Motorola	081
Montgomery Ward	001, 002, 007, 009, 049, 063, 081, 115, 117
MTC	009, 087, 094
Multitech	007, 009, 011, 087, 090, 094
NAD	038
NEC	004, 005, 006, 018, 026, 029, 045, 061, 062, 085
Nikko	088
Noblex	087
Optimus	081, 088
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Panasonic	024, 049, 064, 066, 067, 068, 069, 107
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*[   ] : Preset codes set upon shipment from the factory.

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