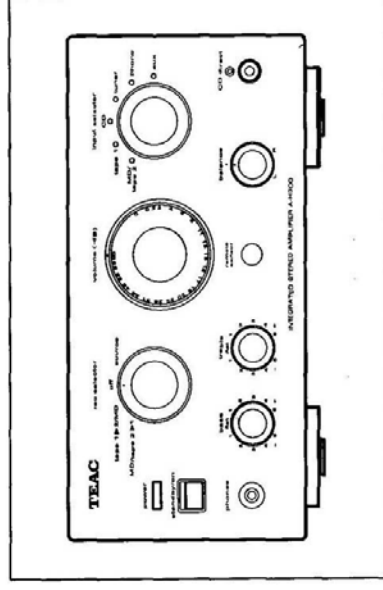


TEAC

A-H300

INTEGRATED STEREO AMPLIFIER

Thanks for buying a TEAC. Read this manual carefully to get the best performance from this unit.



OWNER'S MANUAL



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 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.

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number _____
Serial number _____

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

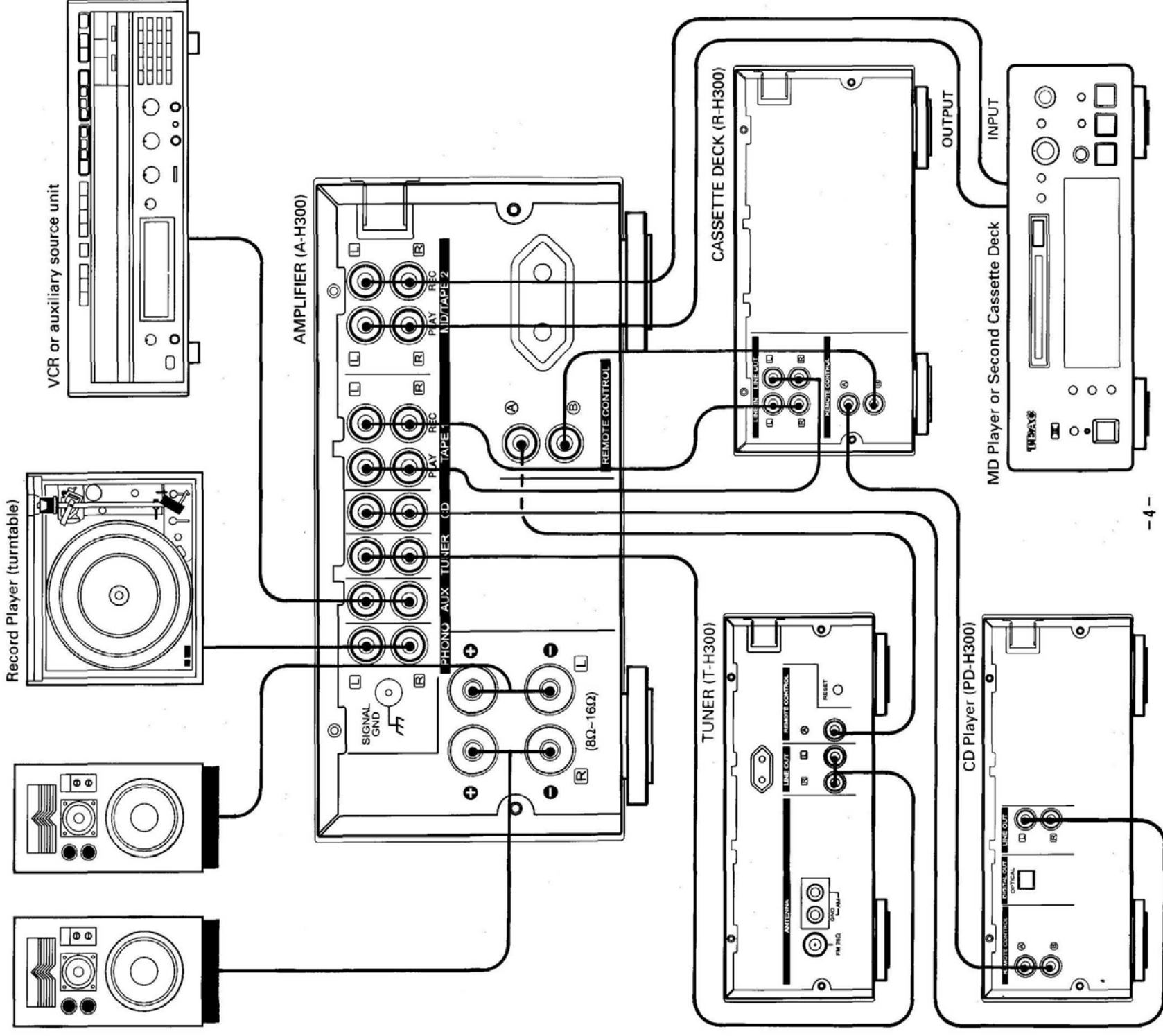
Connection

- Do not use this unit with it housed in a box or the like including an audio rack.
- To prevent damage to the speakers:**
 - Do not raise the volume level excessively.
 - Turn off the amplifier when connecting or disconnecting.
 - Do not touch the speaker's diaphragms.

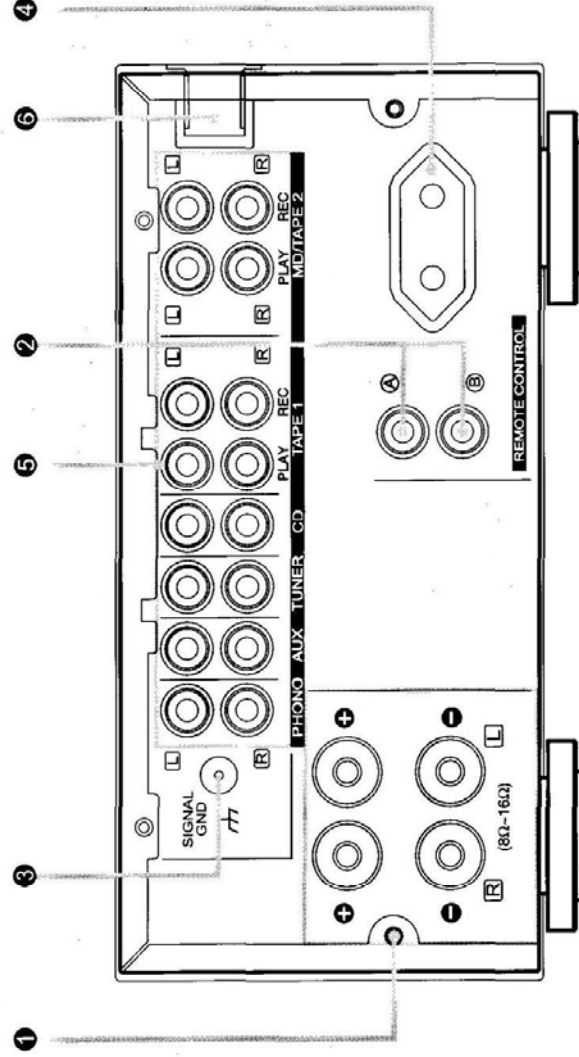
Speaker placement

The playback characteristics of the speakers are greatly influenced by the placement and the room in which the speakers are used. To find the best location for the speakers play back some music without using the tone controls and move the speakers around. However, please keep the following in mind:

- Place the speakers on a flat, solid surface which is free from vibrations.
- Place the speakers in an area that is well ventilated. Do not place the speakers in a humid place.
- Keep the speakers away from direct sunlight and heat sources (stoves, etc.).
- Keep the speakers away from the turntable.



Rear Panel Overview



1 Right /Left speaker terminals

2 Remote control jacks

These jacks are used for the connection of the TEAC Mini component system (T-H300, R-H300, PD-H300) for the purpose of operating it using the Remote Control unit (RC-613 provided with the A-H300 amplifier) or system control signals.

3 Signal ground terminal

Connect the ground lead of the record player (turntable) to this terminal.

4 AC OUTLET (unswitched)

Plug the AC power cord of the source unit (CD player, cassette deck, etc.) into this AC OUTLET.

5 Audio signal jacks:

MD/TAPE 2 PLAY/REC jacks

These jacks are used for the connection of the MD player or the second cassette deck.

Connect the output (LINE OUT) jacks of the MD player or cassette deck to the PLAY jacks; the input (LINE IN) jacks of the MD player or cassette deck to the REC jacks.

TAPE 1 PLAY/REC jacks

Connect the output (LINE OUT) jacks of the cassette deck (R-H300) to the PLAY jacks; the input (LINE IN) jacks of the cassette deck to the REC jacks.

CD input jacks

Connect the output (LINE OUT) jacks of the CD player (PD-H300) to these jacks.

TUNER input jacks

Connect the output (LINE OUT) jacks of the tuner (T-H300) to these jacks.

AUX input jacks

Connect the output jacks of the VCR or other AUXiliary source unit to these jacks.

PHONO input jacks

Connect the output jacks of the record player (turntable) to these jacks.

Note:

Make sure that you connect the white pin-plug to the white jacks (left); red pin-plug to the red jacks (right).

6 AC power cord

Plug this AC power cord into an AC wall socket.

Speaker Connecting

Before connecting

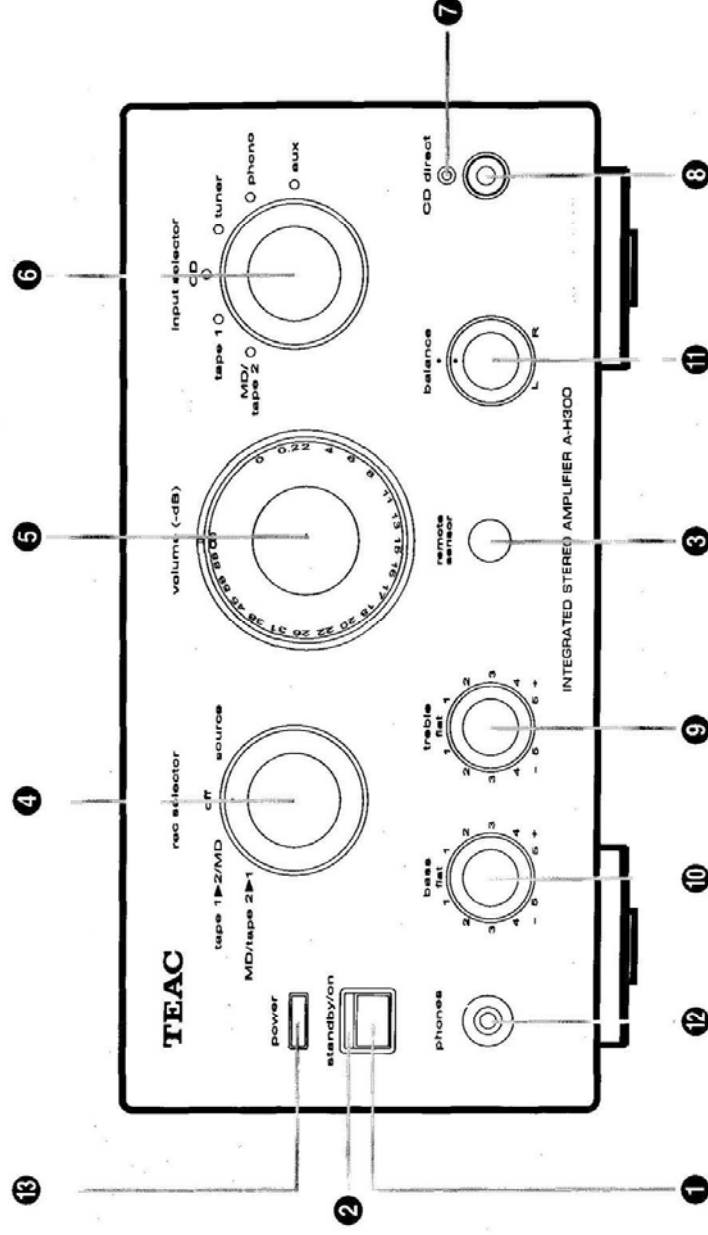
- Check the impedance of your speakers. Connect speaker with an impedance of 8 to 16 ohms.
- The amplifier's red speaker terminals are the \oplus (positive) terminals and the black terminals are the \ominus (negative) terminals.
- The \oplus side of the speaker cable is marked to make it distinguishable from the \ominus side of the cable. Connect this marked side to the red \oplus terminal and the unmarked side to the black terminal.
- Prepare the speaker cords for connection by stripping off approximately 1 cm or less (no more as this could cause a short-circuit) of the outer insulation.

How to connect

- (1) Twist the wires tightly together so that they are not straggly.
- (2) Turn the terminal cap counterclockwise to loosen it.
- (3) Insert the wire into the terminal fully and turn the terminal cap clockwise to securely connect it.
- (4) Make sure it is fastened firm by pulling the cord lightly.



Front Panel Controls and Their Functions



1 Power standby/on button

When the main power switch is ON: Press standby/on button to turn the power on. Press it again to turn the system off (power standby mode). The indicator lights up in power standby mode and goes out when this unit is turned on.

2 Power standby indicator

This indicator lights up in the power standby mode and goes out when this unit is turned on.

3 Remote control signal sensor

This sensor receives the signal from the remote control transmitter.

4 Record selector

Set this selector to the appropriate position before beginning recording.

source:

Set the selector to this position to record the radio broadcast, CD, record or auxiliary source.

off:

Set to this position when you do not record.

tape 1▶2/MD:

Set to this position to record from the cassette deck 1 to 2 or MD recorder.

MD/tape 2▶1:

Set to this position to record from the MD player or cassette deck 2 to 1.

5 Volume control

This control is used for adjusting the signal output level to the speakers.

6 Input selector

Rotate this selector to select the desired input source.

MD/tape 2:

For listening to the sound from the unit connected to the MD/TAPE 2 jacks on the rear panel.

tape 1:

For listening to tape.

CD:

For listening to CD.

tuner:

For listening to radio broadcast.

phono:

For listening to record.

aux:

For listening to the sound from the unit connected to the AUX jacks on the rear panel.

7 CD direct indicator

This indicator will light up when the CD direct function is engaged.

8 CD direct button

Press this button for the pure sound when you listen to the CD, and then the tone and balance controls are bypassed. Press it again to resume the controls.

Note:

When the CD direct function is engaged, no signal is output to the TAPE REC outputs. Therefore, when recording, set the CD direct button to OFF (the indicator above the button is unlit).

9 Treble control

This control is used for adjusting the level of the high frequency sound range.

10 Bass control

This control is used for adjusting the level of the low frequency sound range.

11 Balance control

This control is used for adjusting the balance of the volume level between the left and right channels.

12 Headphones jack (phones)

Connect the headphones plug to this jack for listening through headphones. Sound from the speakers will not be heard when headphones are connected to this jack.

Note:

Decrease the Volume level to minimum (∞ position) before connecting headphones.

13 Main power switch

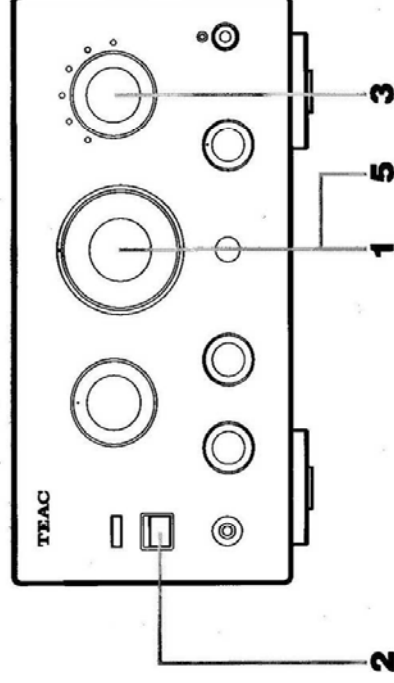
Press the power button to ON. Press it again to turn the system off.

Note:

Leave this main power switch ON at all times.

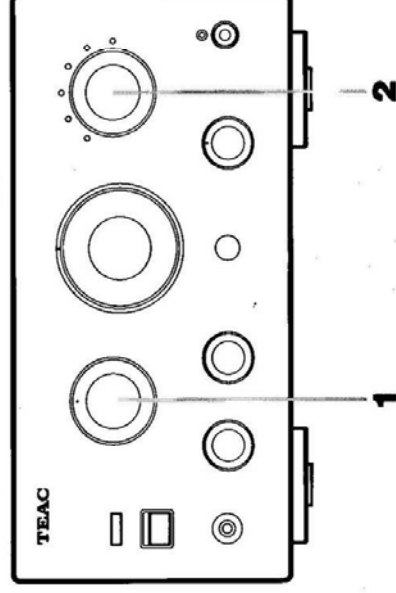
Basic Operation

- 1** Set the volume control to ∞ position before beginning.
- 2 POWER**
Turn the system on by pressing the power button.
- 3** Select the source you want to listen to by rotating the input selector knob.
- 4** Operate the source unit to be played. (Refer to the operating instructions of each unit.)
- 5** Adjust the volume level.



Recording

- 1** Set the rec selector to source.
 - 2** Select a source to be recorded using the input selector.
 - 3** Play the source.
 - 4** Set the tape deck to the recording mode.
- Recording is possible using both tape 1 and tape 2 decks.

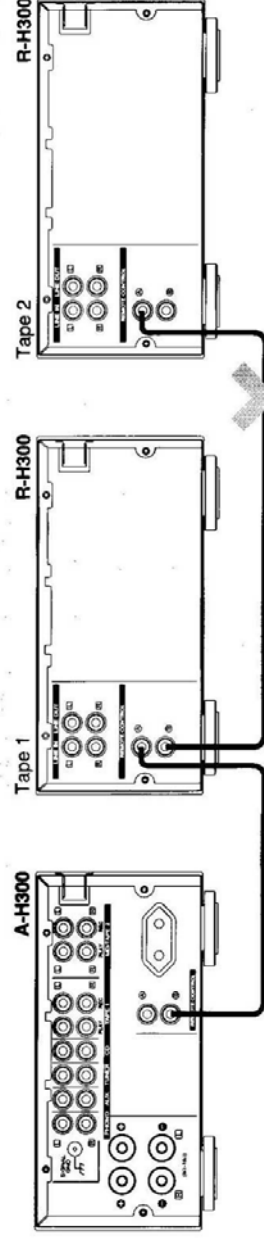


■ Dubbing (Recording from tape 1 to MD/tape 2 or vice versa)

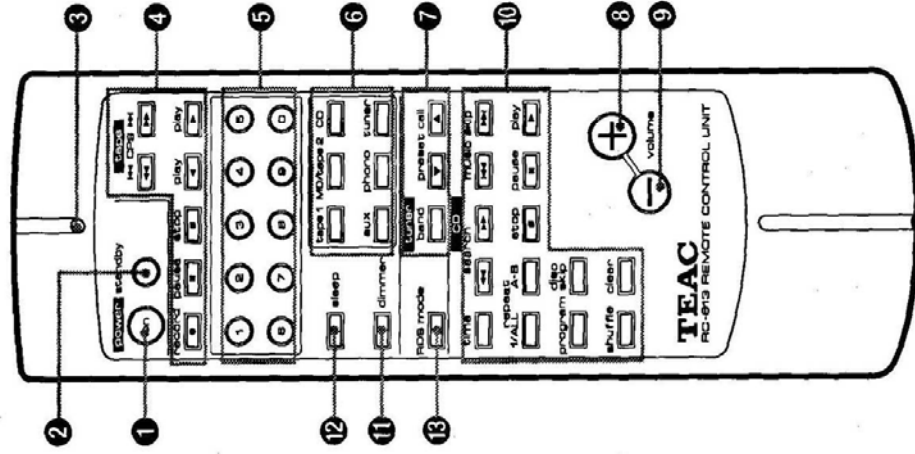
1. Set the rec selector to tape 1 > 2/MD (or MD/tape 2 > 1).
2. Play tape 1 (or MD/tape 2) deck.
3. Set MD/tape 2 (or tape 1) to the recording mode.

- Notes:**
- When dubbing is attempted using two R-H300s, be sure not to connect the remote cable to the tape 2 deck. If it is connected, dubbing is not possible.
 - When a second deck such as another R-H300 is connected to the MD/TAPE 2 REC terminal on the amplifier, dubbing from deck 1 to deck 2 is possible. However, remote-controlled operation of deck 2 is not possible. Therefore, do not connect the remote cable from deck 1 to deck 2.

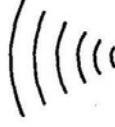
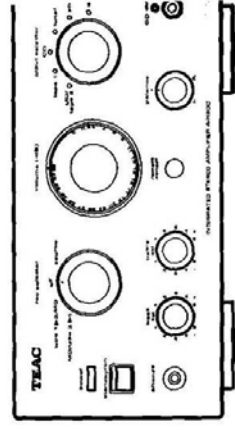
- When dubbing from deck 1 to deck 2 (or MD recorder), set the rec selector on the amplifier to tape 1 > 2/MD, then start deck 2 (or MD recorder) for recording and press the play button of deck 1.



Remote Control Operation



The provided Remote Control Unit allows the unit to be operated from a distance. When operating the remote control unit, point it towards the remote sensor on the front panel of the unit.



- 1 power on button**
Press to turn the system on.
- 2 Power [standby] button**
Press to turn the system off.

- 3 Indicator**
This indicator will blink when the remote control signal is transmitted by pressing the button.

Note:
The indicator has two colors:
One is green in the CD mode; the other is red in other mode.

- 4 Cassette deck operation buttons**
- 5 Numeric buttons**
These buttons are used for selecting the preset channel in the tuner mode, or the track number in the CD mode.

- Using the input selector buttons, select CD or tuner before operating the numeric buttons.
When entering a single-digit number, enter 0 for 10's digit followed by the desired 1's digit.
When entering a double-digit number, first enter 10's digit then 1's digit.

Example) To enter 15:
(1) Press "1", and "1" starts blinking.
(2) While it is blinking, press "5".

- 6 Input selector buttons**
- 7 Tuner buttons**
band:
Selects between FM and AM broadcasts.
preset call:
Allows you to tune to preset channels in sequence.
- 8 Volume up button (+)**
- 9 Volume down button (-)**
- 10 CD Player operation buttons**
- 11 dimmer button**
Press this button when you want to darken the FL displays on the tuner, CD player and cassette deck.
Press it again to resume the original brightness.
- 12 sleep button**
This button is used for engaging the sleep timer in the tuner.
- 13 RDS (Radio Data System) mode button**

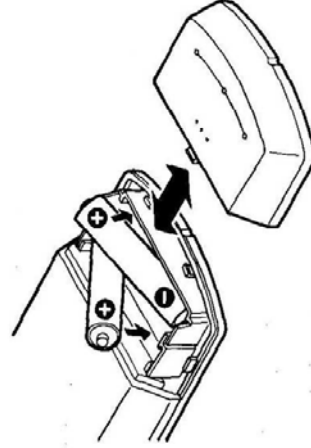
- Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the remote control unit is operated near other appliances which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, the unit may operate incorrectly. In the reverse way, the other appliances may operate incorrectly.

How to load the batteries (Optional)

- Slide the battery compartment cover in the direction of the arrow and remove it.
- Load two "AAA" (R03, UM-4) dry batteries according to the polarity guides on the remote control unit.
- Replace the battery compartment cover.

For the batteries

- When you do not plan to use the remote control for a long period of time, remove the batteries.
- Read the cautions printed on the batteries before inserting them.
- When replacing the batteries, replace them all at the same time. Do not mix old batteries with new ones.



AI Direct Play Function

1. When you turn on the system, the source unit that has been selected by the input selector will start playing automatically.

This AI direct play function allows you to restart operation using the source unit (tape deck, CD player or tuner) when power was last turned off.

For example:

- (1) When the system is switched off with the input selector set to the CD position and a disc loaded on the CD player. →
- (2) Next time you switch the power on, →
- (3) the CD player will start playing automatically from the first track on the disc.

2. When you select the desired source by rotating the input selector, the selected source unit will start playing automatically.

For example:

- (1) While you are listening to CD →
- (2) If you select tape 1, →
- (3) tape 1 will start playing and the CD player will pause automatically.

3. When you play a source unit by pressing the play button, that source will be selected automatically in the input selector.

For example:

- (1) While you are listening to CD →
- (2) If you press the play button (◀ or ▶) on the cassette deck (tape 1, R-H300), →
- (3) the input source will be changed to tape 1 automatically.

Note:

The following buttons work as play button in the tuner (T-H300): power button, band button, preset call up/down button, numeric buttons (1 - 0).

Specifications

Power Output :

35W + 35W (8Ω, 1kHz, 0.1%)

Total Harmonic Distortion :

0.03% (1kHz, 8Ω, 30W)

S/N (Input Shorted) :

Phono : 70dB (IHF-A)

Aux, CD, Tape, Tuner : 95dB (IHF-A)

CD direct : 95dB (IHF-A)

Input Sensitivity/Impedance :

Phono : 2.6mV/10kΩ

Aux, CD, Tape, Tuner : 180mV/10kΩ

Input Overload :

Phono : 100mV

Aux, CD : 8V

Frequency Response : 5Hz - 80kHz

Tone Control :

Bass : ± 10dB (100 Hz)

Treble : ± 10dB (10 kHz)

Channel Separation (Input Shorted) :

70dB (1kHz)

Power Requirement : 230V, 50Hz

Power Consumption : 85W

Dimensions(W × H × D): 215 × 110 × 305mm

Weight (Net) : 4.2kg

Standard Accessory :

Remote Control Transmitter

(Batteries are not included)

- Improvements may result in specification or feature changes without notice.

- Photos and illustrations may differ slightly from production models.