

Integrated Stereo Amplifier

Operating Instructions

TA-AV501
~~TA-AV501~~

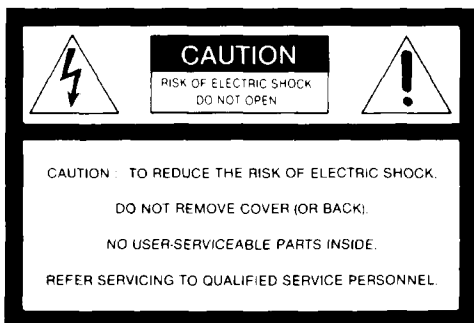
Owner's Record

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. TA-AV501/TA-AV601 Serial No. _____

WARNING

To prevent fire or shock hazard, no not expose the unit to rain or moisture.



This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

* The graphical symbols are on the rear enclosure.

Precautions

On safety

- Operate the unit only on 120V AC, 60 Hz.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord pull it out by the plug. Never pull the cord itself.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

On installation

- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Good air circulation is essential to prevent internal heat build-up in the unit. Place the unit in a location with adequate air circulation. Do not place the unit on a soft surface.

On repacking

Do not throw away the carton and packing materials. It is an ideal container in which to transport the unit. When shipping the unit to another location repack it.

On cleaning

Clean the cabinet periodically with a soft dry cloth. If the stains are difficult to remove, use a cloth moistened with a mild detergent solution. Do not use solvents such as alcohol, benzene or thinner, since they will damage the finish.

If you have any question or problem concerning your unit system that is not covered in this manual, please consult your nearest Sony dealer.

For the customers in the U.S.A.

For detailed precautions, see the leaflet "IMPORTANT SAFEGUARDS".

For the customers in Canada

CAUTION :
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

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Features

Amplifier Features


- This amplifier incorporates the power amplifier for the front speakers 110W + 110W (TA-AV501), 150W + 150W (TA-AV601) and that for the surround speakers 15W + 15W (TA-AV501/TA-AV601) independently. These amplifiers make possible a powerful surrounding sound from 4 speakers.
- The versatile input system controls 4 A/V input systems and 4 audio input systems.
- The DBFB (Dynamic Bass Feed Back) circuitry reinforces the bass sound at low listening level. The lower the sound level, the more the bass is emphasized.

Surround Features

- This unit has Digital Delay Surround system. This unit incorporates all of three types of surround effect.
-  — expands sound just like listening to it in a movie theater.
- Hall Surround-provides reverberation effect that is produced in a large concert hall.
- Simulated Surround-gives the feeling of width and thickness to monaural sound of old movies, etc.

Programmable Remote Commander

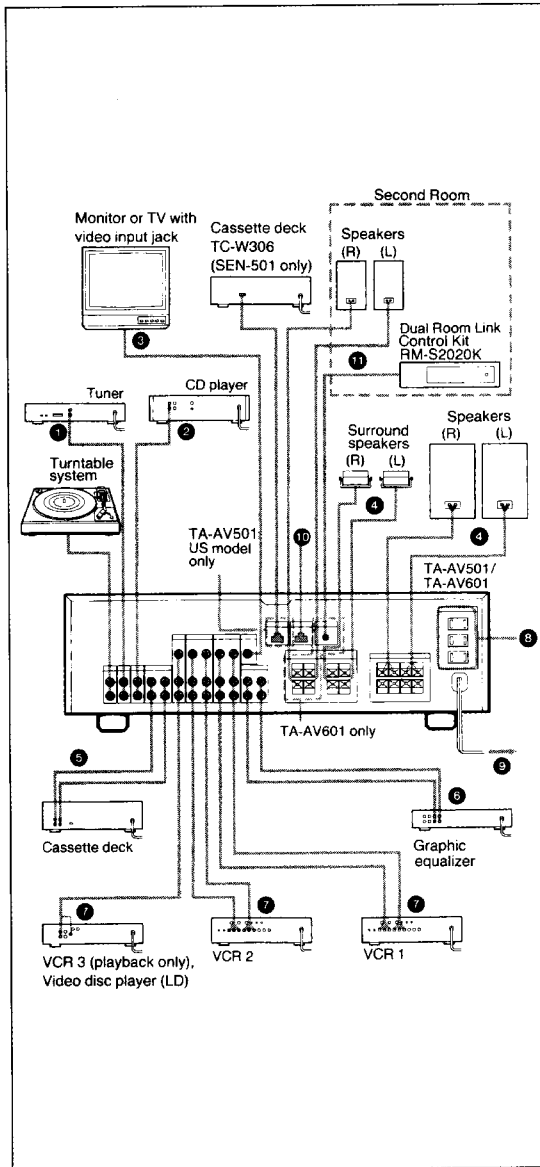
- The programmable remote commander (TA-AV601 and Canadian model of TA-AV501) is capable of "learning" the remote control signals used with other remote commanders. The single commander can replace them for controlling various audio and video equipment of any manufacturer, thereby frees you from complicated manipulation of several remote commanders.

* Manufactured under license from Dolby Laboratories Licensing Corporation.
Additionally licensed under one or more of the following patents: U.S. numbers 3,632,886, 3,746,792, and 3,959,590; Canadian numbers 1,004,603 and 1,037,877. "DOLBY" and the double-D symbol  are trademarks of Dolby laboratories Licensing Corporation.

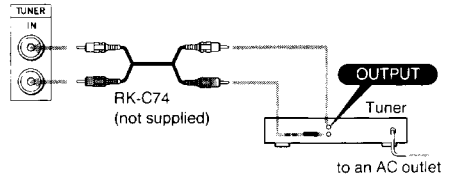
Connections

Overall Connection Diagram

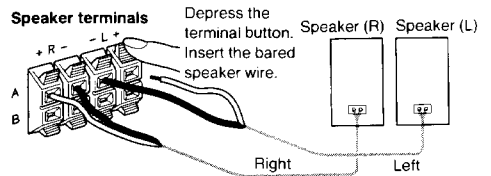
The numbers described in ● correspond to the individual connecting diagram.



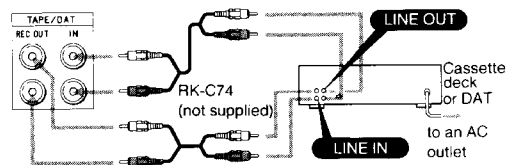
1 Connecting a tuner



2 Connecting speakers

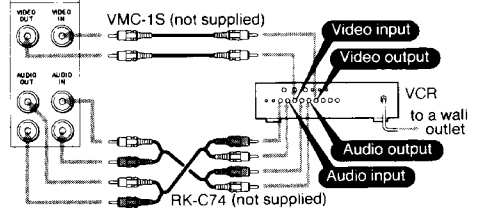


3 Connecting a cassette deck or DAT



7 Connecting Video Equipment

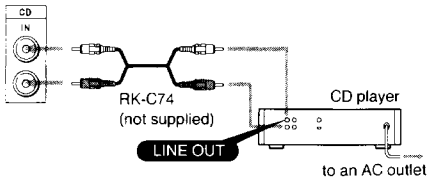
Connecting VCR (Common for video 1, 2)



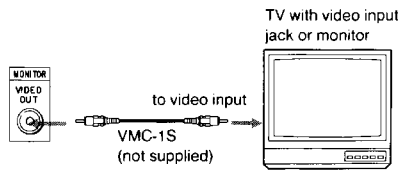
Connection Notes

- The Power cord should be connected last of all, first making sure that the POWER switch is turned off.
- Cord plugs and jacks are color coded. Red plugs and jacks for right-channel (R) and white ones for left-channel (L).
- The plugs and connectors should be fully inserted into the jacks. A loose connection may cause noise or disable remote control operations.

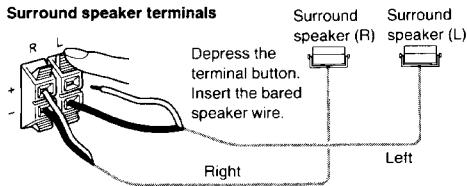
2 Connecting a CD player



3 Connecting a TV with video input jack or monitor

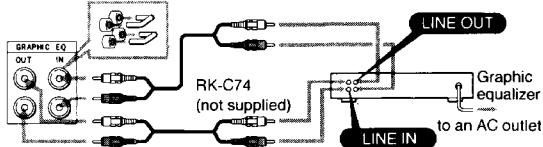


Surround speaker terminals



6 Connecting a graphic equalizer

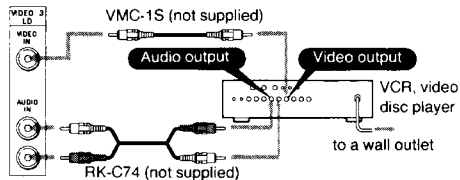
Before connection, remove the shorting plugs from the jacks.



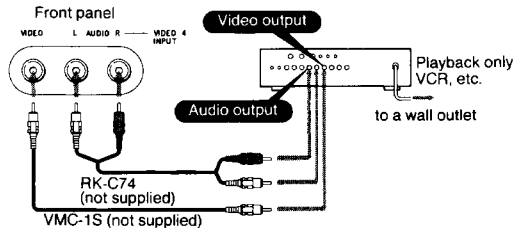
Note

When the graphic equalizer is not connected, be sure to install the shorting plugs. Otherwise, no sound is heard from the speakers.

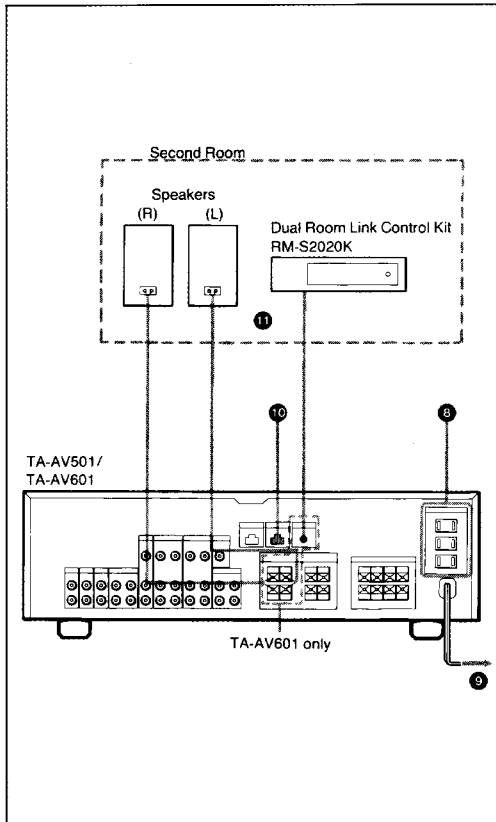
Connecting video disc player (LD) or playback only VCR, etc.



Connecting playback only VCR temporarily



Connections



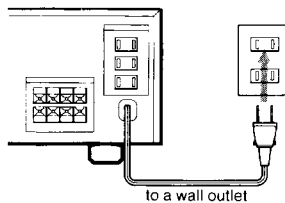
8 Using AC outlets

Connect the AC power cord of each piece of equipment to the AC outlets on the amplifier so that you can turn the equipment on and off using the amplifier's POWER switch.

Caution

Be careful that the total power consumption of each piece of equipment connected to the outlets on the amplifier does not exceed 100 watts. Do not connect electrical home appliances such as an electric iron, fan, TV, or other high-wattage equipment to these outlets.

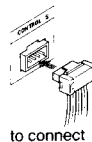
9 Power cord



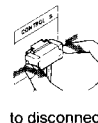
to a wall outlet

10 Connecting CONTROL S OUT connector (4-pin)

To control the equipment connected to the amplifier with the remote commander, connect the CONTROL S OUT connector and the CONTROL S IN connector of each piece of equipment as illustrated.

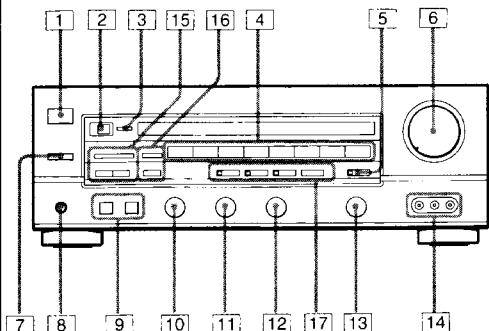


to connect



to disconnect

Parts identifications



- 1 POWER switch
- 2 Remote control sensor
- 3 DRLC indicator (TA-AV601 only)
- 4 FUNCTION selectors and indicators
- 5 DBFB (Dynamic Bass Feed Back) button and indicator
- 6 MASTER VOLUME control
- 7 DRLC/POWER switch (TA-AV601 only)
- 8 HEADPHONES jack (stereo phone jack)

① Connecting Dual Room Link Control Kit RM-S2020K and speakers (TA-AV601 only)

The Dual Room Link Control (DRLC) allows you to "link" a second room to your main or primary listening room.

When the optional RM-S2020K and speakers are properly connected to this amplifier and they are placed in the second room, either the same program source being played in the main room or a different program source can be heard in the second room.

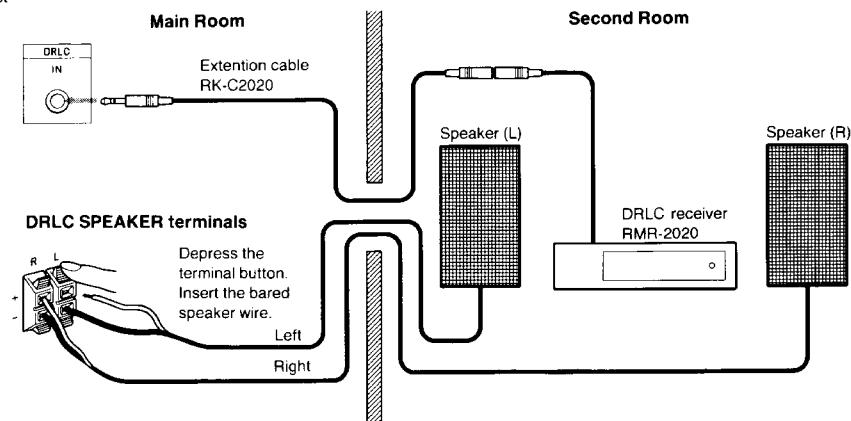
Connect the DRLC receiver (RMR-2020) to the DRLC IN jack with the extension cable.

Connect speakers for the second room to the DRLC SPEAKER terminals.

For details, please read the Operating Instructions supplied with the Dual Room Link Control Kit (RM-S2020K).

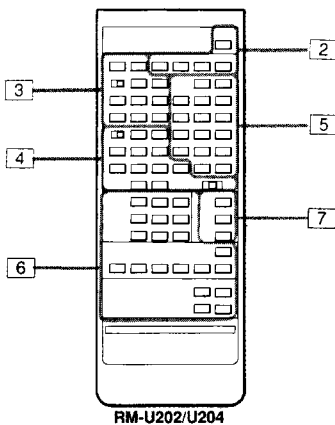
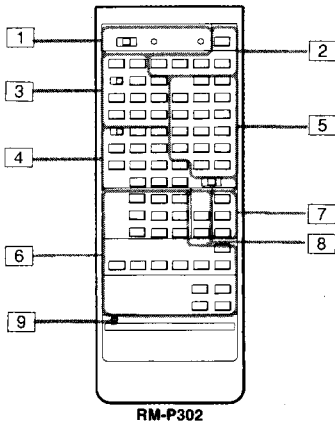
Notes

- When the DRLC receiver is placed near the amplifier and the remote commander is operated, only the amplifier functions. For checking the DRLC operation, place and point the DRLC receiver away from the amplifier.
- When the amplifier receives a remote control signal from the second room, the DRLC indicator flashes. During this flashing, the amplifier cannot receive the remote control signal from the main room.
- You cannot use the following functions from the second room.
 - Surround effect
 - Equalizer control
 - DBFB effect



- 9 SPEAKERS A, B selectors
- 10 BASS control
- 11 TREBLE control
- 12 BALANCE control
- 13 INPUT BALANCE control
- 14 VIDEO 4 INPUT jacks (phono jacks)
- 15 SURROUND LEVEL +/- buttons and indicators
- 16 DELAY TIME button and indicators
- 17 SURROUND MODE selectors and indicators

Parts Identification of the Remote Commander



1 Program control section (RM-P302 only)

Mode selector and indicator (page 17)

SONY STD: To control Sony equipment.

USER STD: To control equipment whose remote control functions are stored.

LEARN: To store functions of other remote commanders emitting infrared rays.

PROGRAM CLEAR button: Clears the stored functions.

2 Power control section

SYSTEM OFF button: Turns off the power of the whole system: LD, VTR, TV, AUDIO and DRLC (TA-AV601 only).

LDP/VTR/TV/AUDIO POWER buttons: Control the power of each unit. (The VTR button can be operative only when TAPE/VTR selector is set to VTR.)

3 CDP/LDP control section

CDP/LDP selector: Selects CD or LD (Laser disc) player to be played. The combined CD/LD player can be controlled with this selector set to LDP.

CONTINUE: Continuous play (only for CD player)

SHUFFLE: Shuffle play (only for CD player)

PGM: Program play (only for CD player) (Refer to the operating instructions of CD player.)

D (disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)

▶: Starts play.

◀◀/▶▶: Locates a desired selection

■: Stops play.

◀◀/▶▶: Manual search (only for LD player)

4 Tape deck/VTR control section

TAPE/VTR selector: Selects TAPE (tape deck) or VTR (VCR) to be controlled.

ANT TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.

CH+/- buttons: Selects channel on the VCR.

◀◀/▶▶: Fast winding

■: Stop

◀/▶: Play

||: Pause

○ (RM-U202/U204 only): Record muting

● (RM-U202/U204 only): Recording (While pressing ●, press ▶)

REV/●REC/FWD buttons (RM-P302 only):

For reverse recording, press REV and ● REC together.

For forward recording, press FWD and ● REC together.

DECK/VTR selector

DECK A, B, and DAT: Select A, B, or DAT.

VTR 1, 2, and 3: Select VCR type.

1: Betamax VCRs

2: 8mm VCRs

3: VHS VCRs

Notes

- These buttons other than the PAUSE button do not function for the TC-W306 (SEN-501) only.
- Even when the DECK/VTR selector on the remote commander is set to DECK/VTR 1, pressing the PAUSE button pauses only the B deck of the TC-W306. (RM-U204 only)

5 TV control section

VOL +/– buttons: Control the TV volume.
CH +/– buttons: Select a preset channel.
TV/VIDEO button: Selects the input signal of the TV.
Program number (1 to 0) and ENTER buttons: Select the channel.

6 Amplifier control section

FUNCTION selectors: Select an input source of the amplifier. (DAT button does not function for the TA-AV501/601.)
SURROUND MODE selectors: Select a surround mode.
DELAY TIME button: Controls the delay time.
REAR LEVEL +/– buttons: Control the surround level.
DBFB button: Reinforces the bass sound.
MUTING button: Mutes the sound. (This button does not function for the TA-AV501/601.)
MASTER VOL +/– buttons: Control the amplifier volume.

7 Tuner control section

SHIFT button: Selects a memory page.
TUNER PRESET station select buttons: Selects a preset station.

8 Turntable control section (RM-P302 only)

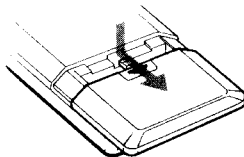
PHONO START button: Starts record playing.
PHONO STOP button: Stops record playing.

9 RESET button (RM-P302 only)

Reset the commander to the initial state.

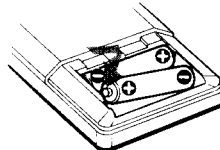
Installing Batteries

1



2

Two size AA (R6) batteries.



Notes on batteries

Battery life

Normal operation can be expected about a half year using Sony SUM-3 (NS) and a year using Sony AM-3 (NW) alkaline batteries.

If the LEARN indicator does not light when a button is pressed on programmable commander, the batteries are almost exhausted.

When the batteries are exhausted, the remote commander can no longer operate the unit. If this happens, replace both batteries with new ones.

For replacement batteries

We recommend to use alkaline batteries.

To avoid battery leakage

When the commander is not to be used for long time, remove the batteries to avoid damage caused by battery leakage and corrosion.

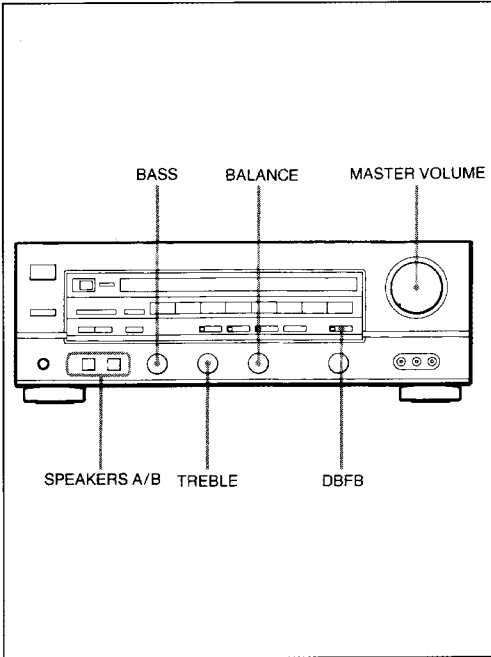
Notes

- SHUFFLE and PGM modes of some CD players cannot be cleared by this remote commander. In such cases, clear the modes using the CD player itself or with the remote commander supplied with the CD player.

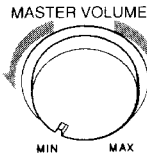
Note on the ● (recording) button under 4 TAPE/DAT/VTR buttons

If your recorder is of such type as pressing ● puts it in recording pause mode, first press ● on this commander and then II.

Adjusting Audio



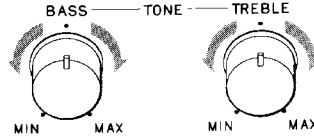
Adjusting Volume



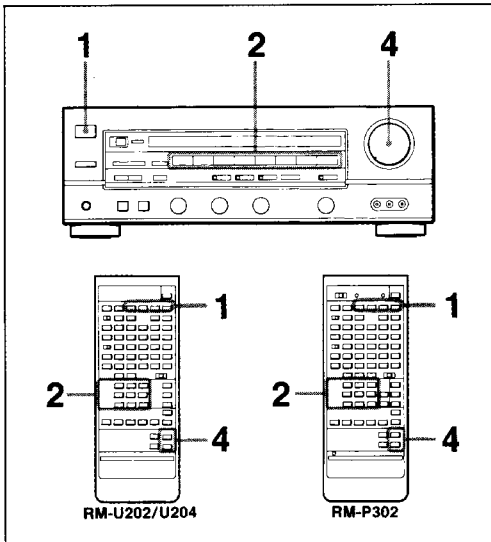
This can also be controlled from the remote commander. Be careful not to let large output sound come out suddenly, as this could damage the speakers. When the unit is not used, set the MASTER VOLUME to the "MIN" position.

Adjusting the Tone

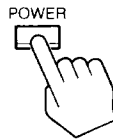
Normally, set the controls to the center position. Use the TREBLE to adjust the high frequency sound level and the BASS to adjust the low-frequency sound level. To enhance: Turn the control clockwise (toward "MAX"). To attenuate: Turn the control counterclockwise (toward "MIN").



Watching/Listening to the Video/Audio of the Desired Source



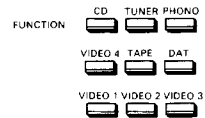
1



Remote commander

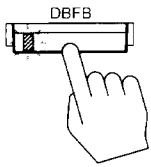
2

Select the function.



Remote commander

Reinforcing the Bass Sound at Low Listening Level



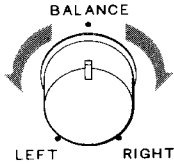
To reinforce the bass, press the DBFB (Dynamic Bass Feed Back) switch on. This can be controlled from the remote commander.

Note

- If howling occurs while listening to a record, switch the DBFB off and turn down the volume until howling stops. Howling occurs when the vibration of the boosted bass is picked up by the stylus and reproduced once again.

Adjusting Balance

Normally, set the BALANCE to the center position. Adjust BALANCE to correct stereo imaging when the speaker position is not symmetrical.

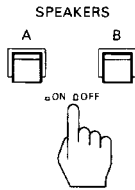


Selecting the Speaker System

- To drive speaker system A: depress button A.
- To drive speaker system B: depress button B.
- To drive both systems: depress buttons A and B.

Note

When both A and B buttons are depressed, two pairs of speaker systems should be connected. Otherwise, no sound can be heard.

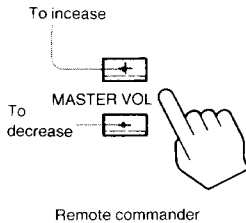


For headphone listening

Keep both SPEAKERS buttons released. The sound of surround speakers are not heard from the headphones.

3 Play the program source.

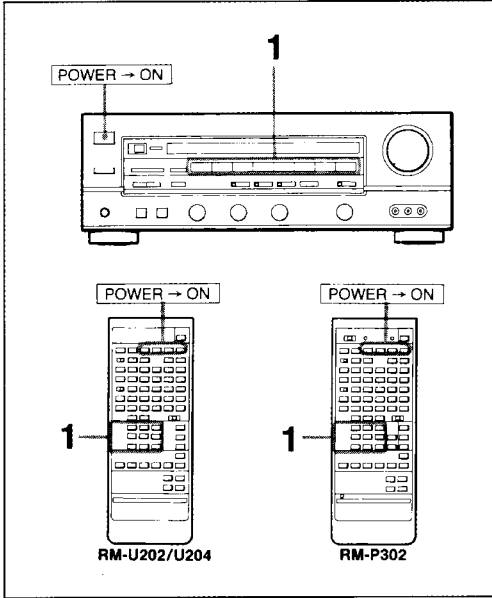
4



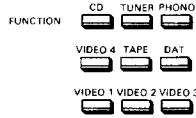
Note

DAT button on the remote commander does not function and pressing it does not select the TAPE/DAT function on the amplifier. Press TAPE on the remote commander to select TAPE/DAT on the amplifier.

To Recording Audio or Audio/Video onto the Tape Deck or VCR



1 Select the function.

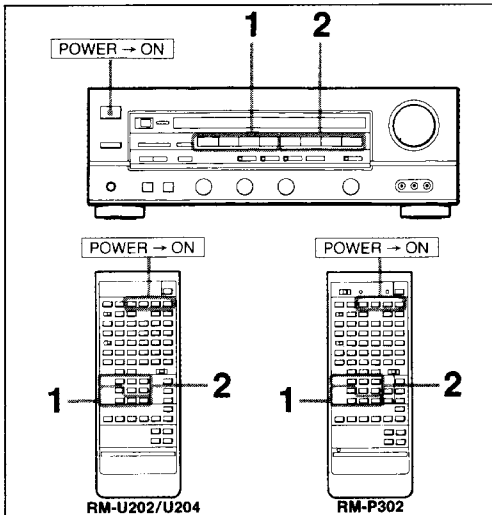


Remote commander

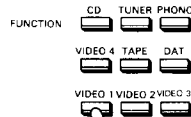
2 Set the tape deck or video deck in the record mode. For the operating procedure, refer to the operating instructions supplied with the tape deck or VCR.

Video/Audio Editing

This unit is capable of various video/audio editing which allows to put your idea into practical use by combining desired video with a background music from a different audio source, etc.

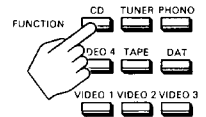


1 Select the video source, VIDEO 1, VIDEO 3 or VIDEO 4.



Remote commander

2 Select the audio source.



Remote commander

When the audio source is not selected, the video source is automatically selected.

3 Start the program source.

3 Play both of the selected equipment.

4 Start recording on a video deck connected to the VIDEO 2 output jacks.

Selecting functions

For a CD program, press CD.
For a tape program, press TAPE/DAT.
For a record program, press PHONO.
For a tuner program, press TUNER.

To record onto two tapes at a time-Simultaneous recording -

Play equipment connected to VIDEO 3/LD or VIDEO 4 input jacks and set the VCRs connected to the VIDEO 1 and VIDEO 2 output jacks in recording mode.

To record audio of any program source onto a cassette tape

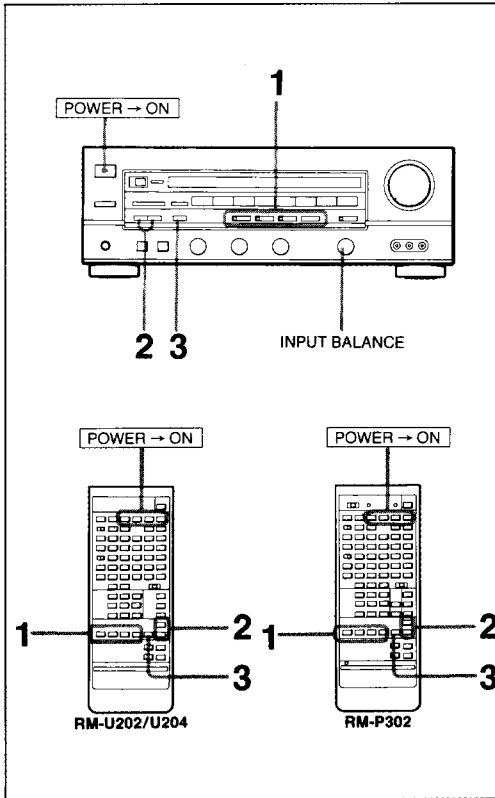
The audio signal of the audio/video equipment selected by the FUNCTION is always output from the TAPE/DAT output jacks. The audio signal can be recorded by putting the cassette deck connected to the TAPE/DAT output jacks in the recording mode.

To dub audio/video from VCR 1 to VCR 2

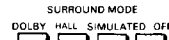
When the video deck connected to the VIDEO 1 jacks is played back, the audio and video signals are output from the VIDEO 2 output jacks. The signals can be recorded by putting the video deck connected to the VIDEO 2 output jacks in the recording mode.

(In the same way, dubbing from video deck 2 to video 1 is possible.)

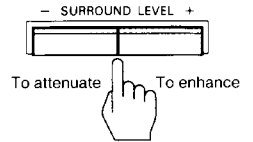
Enjoying Surround Sound



1 Select the surround mode.



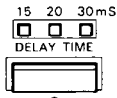
2 To change the surround level



Note (TA-AV601 only)

On listening the program source with the DRLC in the second room, the DRLC indicator lights up and the surround mode is automatically turned off. If you want to enjoy the surround sound effects, press the SURROUND MODE selectors.

3 To change the delay time



Selecting surround modes

Dolby Surround:

Expands sound just like listening it in a movie theater.

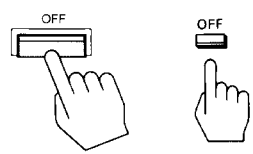
Hall Surround:

Provides reverberation effect that is produced in a concert hall.

Simulated Surround:

Gives a simulated stereo effect to monaural sound.

To disable surround effect:



The normal sound without surround effect will resume.

Adjusting the INPUT BALANCE control

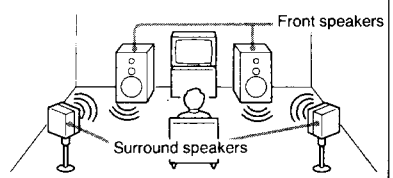
When a conversation (or any place where the source becomes monaural) is played back in the DOLBY SURROUND MODE, adjust this control so that the sound from the surround speakers is heard at least. Normally, keep this control in the middle position.

Use of optional surround speakers

Even without connecting the surround speakers, slight surround effect can be obtained.

The surround sound will be more effective when surround speakers (optional) are connected to the SURROUND SPEAKER terminals on the rear panel.

How to place speakers:

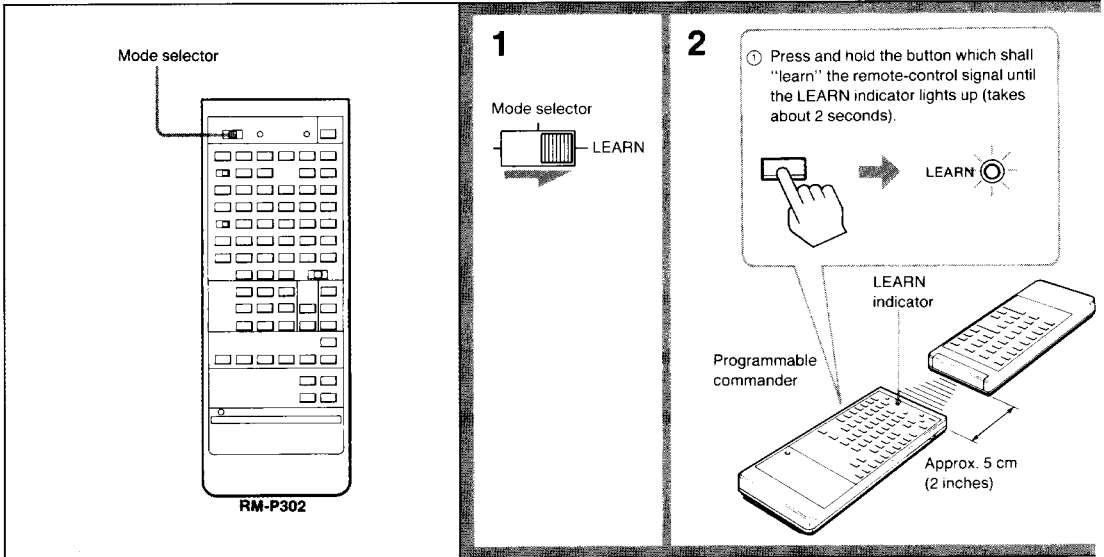


No sound will be heard from the surround speakers, unless one of the surround modes is selected.

How to Use the Learning Function of RM-P302

Programming Signals of Other Audio/Video Equipment with Programmable Remote Commander RM-P302

The programmable remote commander RM-P302 (supplied with TA-AV501 Canadian model and TA-AV601 model) is compatible with infrared remote control system. If your system includes equipment from other manufacturers than Sony, please program their remote-control signals in the programmable area on the programmable remote commander RM-P302.



After programming

Be sure to test if the equipment really works with the programmed signals.

If the LEARN indicator flashes or does not go out in step 2-②, ③ above

The memory capacity has become full. This occurs when other signals stronger than the remote-control signals have been stored because the signals were programmed in a noisy environment or the remote commanders were placed too far apart from each other.

→ Clear all the signals following the procedure on the right and program again from the beginning under the proper conditions.

Notes on programming

- Remote-control signals of equipment of manufacturers other than Sony can be programmed only when they are compatible with the infrared wireless remote control system. Since the programmable commander can "learn" only the signals output from another remote commander, it cannot control equipment that do not use a remote commander. Also, note that there are some special remote-control signals that cannot be programmed.
- Do not attempt to use the programmable commander with an air conditioner or other household appliances.

To program a new signal onto a previously programmed button

Follow the programming procedure above. The previously programmed signal is cleared and replaced by the new signal.

To clear all programmed signals

- Set the mode selector to LEARN.
- Press and hold any button of the programmable area until the LEARN indicator lights up.
- Press PROGRAM CLEAR until the LEARN indicator flashes and goes off.

Note

It is not possible to clear the programmed content of just one button.

To program a signal onto the ● REC button in the TAPE or VTR section

It is not possible to operate any equipment with only the ● REC button. To program a signal under the ● REC button, press and hold the following buttons at the same time in step 2-① above.

TAPE	REV	REC	● REC	FWD
VTR	● REC	FWD		

- ② Press and hold the button of other manufacturer's remote commander whose signal is to be learnt.



- ③ Remove your finger(s) from the button(s) after the LEARN indicator goes off.

The two remote commanders must:

- face straight each other.
- be placed at a distance of approx. 5 cm (2 inches)
- not be moved during programming operation.

Notes on learning operation

- When you manipulate a switch or button on the commander, be sure to point the head of the commander toward the remote control sensor on the front of the amplifier.
- If there is an obstacle between the amplifier and the head of the commander, the amplifier may not be controlled remotely.

Other manufacturer's remote commander

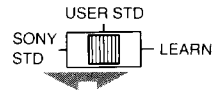
3

Repeat operation for each button to be programmed.

Number of signals that the commander can learn

It depends on the format of the signal. If you program signals of Sony equipment, approximately 50 – 60 signals can be programmed.

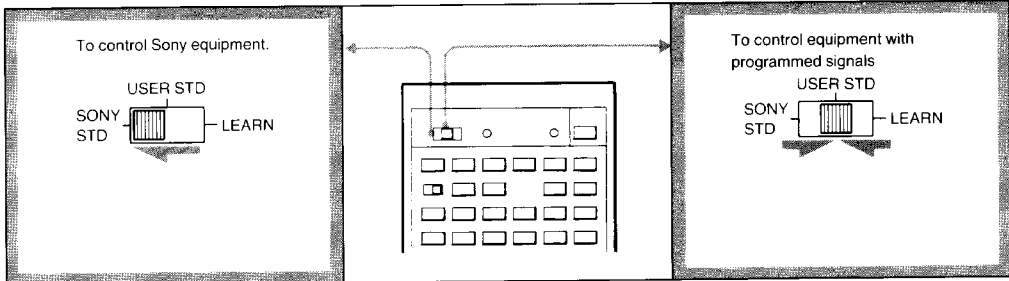
4



USER STD or SONY STD

Controlling Equipment

By switching the mode selector as shown below, a single button alternately controls Sony equipment and another manufacturer's equipment.



When Sony equipment cannot be remote-controlled

Program the signal in the same way as for equipment from other manufacturers. In this case, even with Sony equipment, set the mode selector to USER STD.

If no signal had been programmed

The programmable commander can control Sony equipment even when the mode selector is set to USER STD.

If the equipment works incorrectly

Press RESET and start again. The programmed contents of the buttons are not cleared by pressing RESET.

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads both channels driven, from 20 – 20,000 Hz: rated 110 watts (TA-AV501) or 150 watts (TA-AV601) per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

Other specifications

Amplifier section

Power bandwidth (HF)

7 Hz – 30 kHz (8 ohms)

Harmonic distortion

Less than 0.9% (at 1 kHz, 8 ohms load, Front: Rated power, Surround/DRLC: OFF)

Intermodulation (IM) distortion (60 Hz : 7 kHz)

Less than 0.9% at rated output

Frequency response

PHONO: RIAA equalization curve
TUNER, CD, GRAPHIC EQ, TAPE/DAT, VIDEO 1, 2, 3, 4: 10 Hz to 70 kHz, ± 3 dB

Residual noise

Less than 25 μ V (8 ohms, network A)

Damping factor

40 (8 ohms, 1 kHz)

Video section

Video input/output

Permissible signal input level

1.5 Vp-p

Output signal level

1 + 0.1 Vp-p/with 1 Vp-p input (measured at MONITOR OUT)

Impedance (output)

75-ohm unbalanced, negative sync

Input

Input jack	Jack type	Sensitivity	Impedance
PHONO (MM)	Phono	2.0 mV	50 kohms
TUNER CD VIDEO 1, 2, 3, 4 (LD) TAPE/DAT	Phono	150 mV	50 kohms

'78 IHF

Output

TAPE/DAT	Phono jack	Voltage 150 mV Impedance 470 ohms
SPEAKER	—	Accepts speakers of 8 – 16 ohms.
HEADPHONES	Stereo phone jack	Accepts low and high impedance headphones.
VIDEO 1, 2, MONITOR	Phono jack	1 Vp-p, 75 ohms

Tone controls

BASS: ± 7 dB (100 Hz)
TREBLE: ± 8 dB (10 kHz)

General

System

Power amplifier

All-stage direct-coupled pure complementary SEPP OCL circuit

Surround or DRLC amplifier

Semi complementary SEPP circuit

Preamplifier

NF type tone control

Surround circuit

Digital Delay Surround circuit

Operation circuit matrix type

Overall output

Front: 150 W + 150 W (TA-AV601)
110 W + 110 W (TA-AV501)
Surround or DRLC (TA-AV601 only):
15 W + 15 W

Dolby input sensitivity

500 mV

Power requirements

120 V AC, 60 Hz

Power consumption

U.S.A. model: 250 W (TA-AV601)
200 W (TA-AV501)

AC Power outlet

Canadian model: 435 VA (TA-AV501)

Dimensions

3 switched outputs for system,
100 watts max.
430 × 150 × 355 (W/H/D) mm
(17 × 5⁷/₈ × 13⁷/₈ inches)

Weight

TA-AV601: 11.1 kg (24 lb 8 oz)
TA-AV501: 10.9 kg (24 lb 1 oz)

Accessories supplied

Remote commander (1):

TA-AV601: RM-P302

TA-AV501: RM-P302 (for Canadian model)

RM-U202 or RM-U204

(for USA model)

Sony SUM-3 (NS) batteries (2)

Design and specifications subject to change without notice.

Troubleshooting Guide

Should any problem persist after you have made these checks and taken proper measures, consult your nearest Sony service facility.

Before going through the check list below, first refer back to the connection and operating procedures.

	Trouble	Possible Causes
	Power cannot be turned on.	<ul style="list-style-type: none"> • Check if the power cord is disconnected from the power outlet.
Audio	No audio.	<ul style="list-style-type: none"> • Check for faulty connection. • Check for short-circuited speaker terminals. • The shorting plug of the GRAPHIC EQ jacks are disconnected. • Check that the connected equipment, such as a graphic equalizer, is turned on.
	No audio or weak sound from one channel.	<ul style="list-style-type: none"> • Check if the BALANCE or INPUT BALANCE is set to an extreme position. • Check if the speaker cord or connection cord is disconnected.
	Distorted audio.	<ul style="list-style-type: none"> • Check if the audio volume setting is above the maximum permissible input of the speakers.
	Obscure instrument positioning, with lack of bass sound.	<ul style="list-style-type: none"> • Check if the positive (+) speaker terminal on the main body is not connected to the negative (–) terminal on the speaker, and vice versa.
	Hum or noise.	<ul style="list-style-type: none"> • Check that the grounding wire of the turntable is connected securely. • Check that the connection cords are inserted securely into jacks.
	Switching on DBFB does not affect the sound.	<ul style="list-style-type: none"> • Source sound does not contain low frequency sound. • DBFB reinforces low frequencies only at low volume level.
Video	No video.	<ul style="list-style-type: none"> • Check that the connections are correct. • Check that the correct FUNCTION is selected.
	Unclear video, low image quality.	<ul style="list-style-type: none"> • Check if there is any nearby source of noise.
Remote Commander	Remote-control operation cannot be performed.	<ul style="list-style-type: none"> • Check that the batteries are loaded correctly. • Check if there is any obstacle between the remote commander and amplifier. • Check if the batteries are exhausted. • Check if the mode selector is set to USER STD in remote-control operation using programmed signals. (RM-P302* only)
	The remote-control signal cannot be programmed. (RM-P302* only) The LEARN indicator does not light. (RM-P302* only)	<ul style="list-style-type: none"> • Place both remote commanders apart from the source of noise (see page 16). • The batteries are exhausted (see page 9).
	The LEARN indicator goes off after flashing. (RM-P302* only)	<ul style="list-style-type: none"> • The internal memory capacity is full (see page 16).

* Supplied with TA-AV601 and Canadian model of TA-AV501.