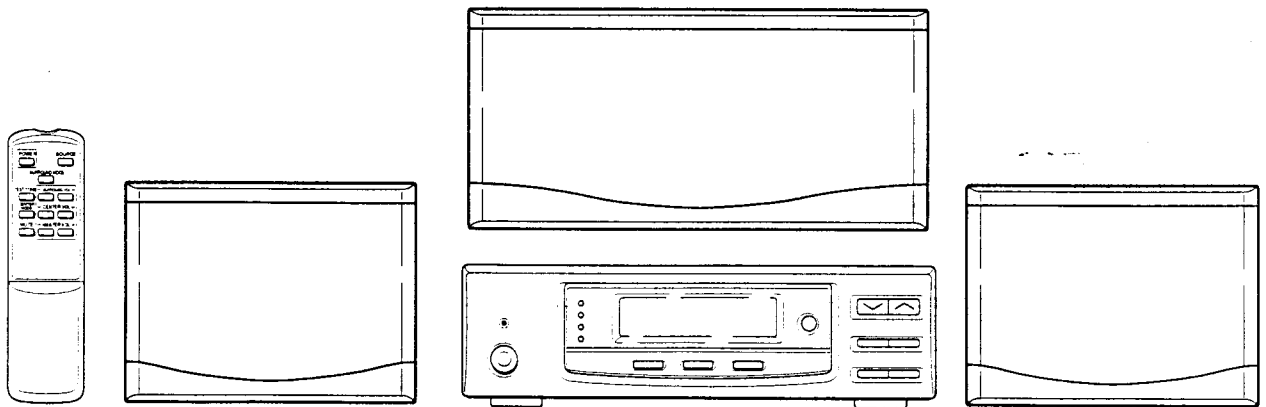


SANYO

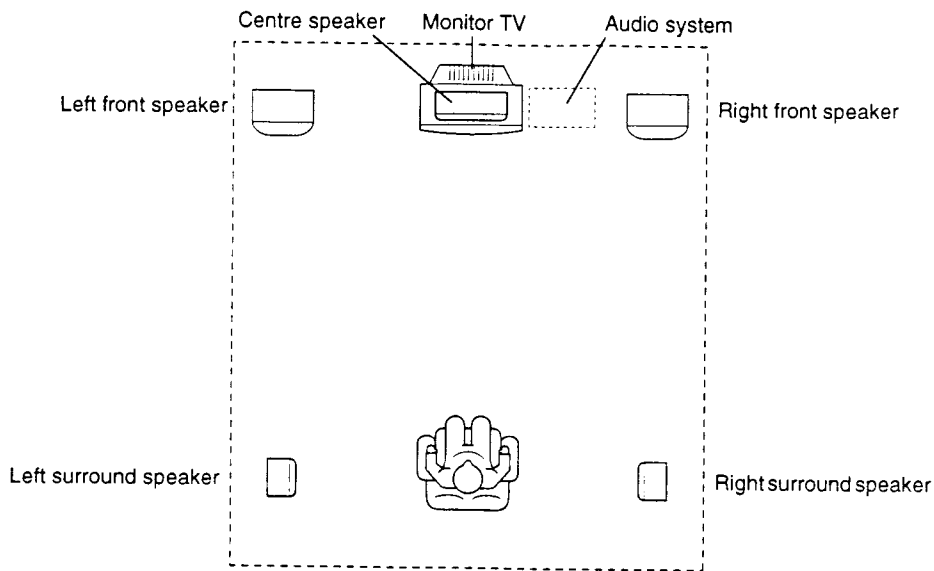
INSTRUCTION MANUAL

HT-D47

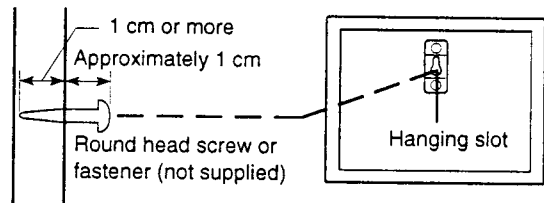
AV Surround Processor



SPEAKER PLACEMENT



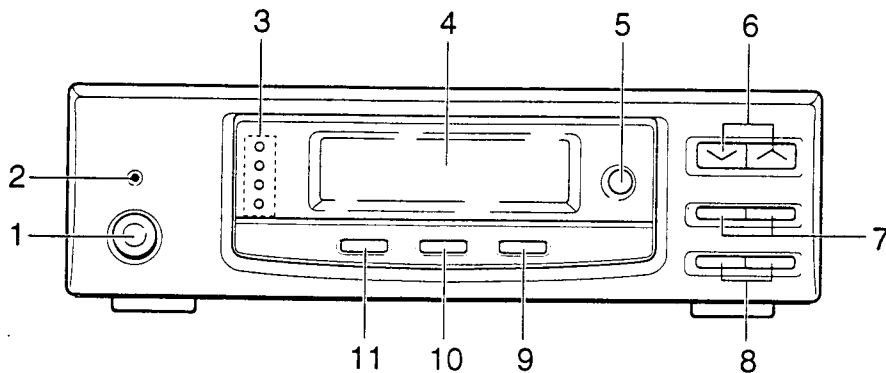
To hang the surround speaker on a wall



CAUTION:

To prevent the speaker system from falling, use a fastener that is appropriate for the wall material.

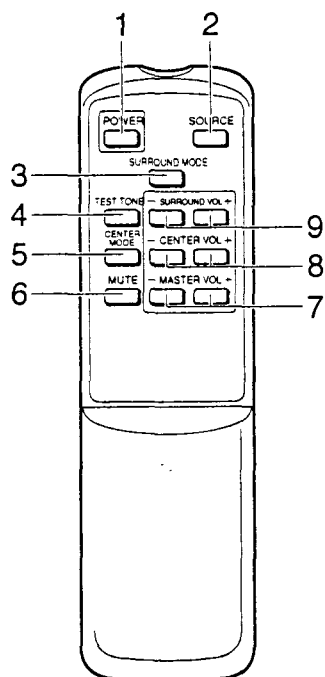
CONTROLS



- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Power button (POWER) 2. Standby indicator (STANDBY) 3. Source indicators (SOURCE) 4. Display 5. Remote sensor (IR) 6. Master volume buttons (MASTER VOLUME) | <ul style="list-style-type: none"> 7. Centre volume buttons (CENTER VOLUME) 8. Surround volume buttons (SURROUND VOLUME) 9. Surround mode button (SURROUND) 10. Centre mode button (CENTER MODE) 11. Source button (SOURCE) |
|---|--|

REMOTE CONTROL

Controls

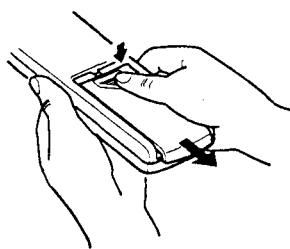


1. Power button (POWER)
2. Source button (SOURCE)
3. Surround mode button (SURROUND MODE)
4. Test tone button (TEST TONE)
5. Centre mode button (CENTER MODE)
6. Muting button (MUTE)
7. Master volume buttons (MASTER VOL)
8. Centre volume buttons (CENTER VOL)
9. Surround volume buttons (SURROUND VOL)

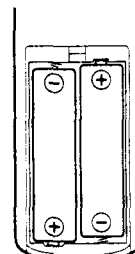
The buttons on the remote control perform functions identical to similarly marked buttons on the front panel.

Inserting batteries

1



2

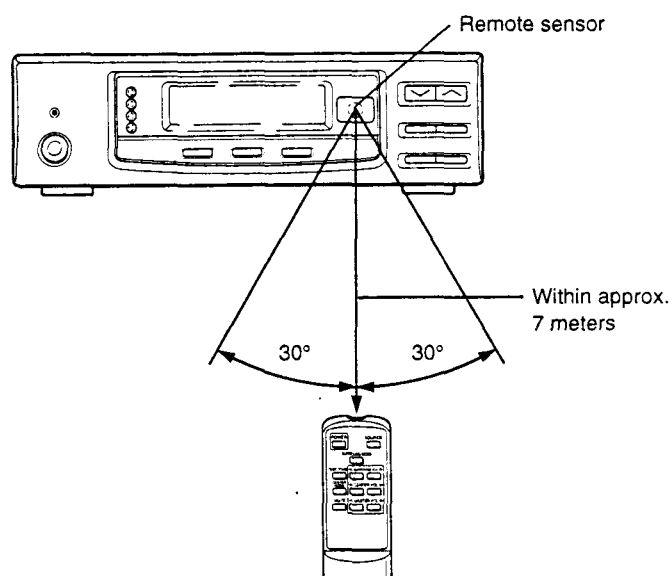


Two AA/SUM-3/R6 batteries (not supplied)

Note:

Always remove batteries if the remote control is not to be used for a month or more. Batteries left in the unit may leak and cause damage.

Remote control range



BEFORE OPERATION

Turning the power on and off

Press the POWER button. The display lights and the STANDBY indicator goes out. The power turns on.

To turn the power off, press the POWER button again. The STANDBY indicator lights.

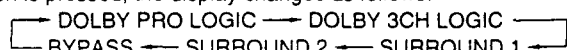
- When the mains lead is connected to the AC outlet, the STANDBY indicator lights and the unit will respond to commands from the remote control.

Selecting the source

Press the SOURCE button to select the input source. The selected SOURCE (AV1, AV2, AV3 or LINE) indicator lights.

Selecting the surround mode

Press the SURROUND button to select the surround mode. Each time the button is pressed, the display changes as follows:



- To turn off the surround effect, select the "BYPASS" mode. This setting produces normal stereo sound; the centre and surround speakers will not be heard.

Adjusting the master volume

Press the \wedge or \vee MASTER VOLUME button.

The VOL LEVEL on the display shows the relative MASTER VOLUME position.

Adjusting the centre or surround volume

Press the CENTER or SURROUND VOLUME button.

The CENTER/SURROUND on the display shows the relative CENTER/SURROUND VOLUME position.

To reduce the overall volume temporarily (muting)

Press the MUTE button on the remote control. "MUTE" blinks on the display. To restore the previous volume settings, press the MUTE button again.

OPERATION

Note:

If a monaural programme source is used, the sound from the front and surround speakers will not be heard or will be heard too low.

PLAYING WITH DOLBY SURROUND

When playing a programme source encoded with Dolby Surround sound (video tape, laser disc, etc.), follow the steps below.

1. Adjust the volume control on the equipment used for the front speakers to your ordinary volume level.
2. Press the SOURCE button to select the source to be played.
3. Press the SURROUND button to select "DOLBY PRO LOGIC".

When using only the front speakers (left, centre and right – no surround speakers), select "DOLBY 3CH LOGIC".

- The sound that would normally be routed to the surround speakers is combined with the front sound and routed to the left and right front speakers.

4. When selecting "DOLBY PRO LOGIC", press the CENTER MODE button to select the appropriate operating mode according to your speaker placement.

NORMAL:

When using a centre speaker having limited low-frequency response.

The low-frequency sounds occurring at the centre of the screen are routed equally to the left and right front speakers. This creates the illusion that the sound is coming from the centre.

WIDE:

When using a full-range centre speaker similar in size and sound quality to the front speakers.

The low-frequency sounds occurring at the centre of the screen are routed to the centre speaker.

PHANTOM:

When a centre speaker is not used.

The sound occurring at the centre of the screen is routed equally to the left and right front speakers. This creates the illusion that the sound is coming from the centre.

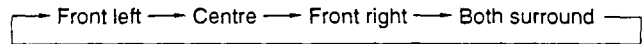
5. Press the ^ or v MASTER VOLUME button to adjust the volume.
 - The MASTER VOLUME buttons affect the sound level from all speakers.

Using the test tone

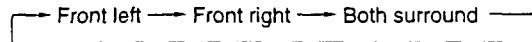
For optimum surround sound performance, adjust the centre and surround volume as explained below. The adjustments can be made at the listening point using the remote control.

1. Follow the steps 1 - 4 above.
2. Press the TEST TONE button. "TEST TONE" appears on the display. The test tone will be heard from each speaker sequentially as follows.

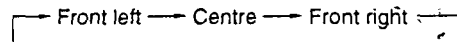
"NORMAL" and "WIDE" DOLBY PRO LOGIC mode:



"PHANTOM" DOLBY PRO LOGIC mode:



DOLBY 3CH LOGIC mode:



3. Adjust the CENTER VOL or SURROUND VOL buttons until the sound from each speaker is the same.
4. When finished, press the TEST TONE button to turn the test tone off.
 - The test tone will continue unless the TEST TONE button is pressed to turn it off.

Note:

When using the example connections 3 and 4, the test tone will not be heard from the front (left and right) speakers. The test tone will only be heard from the front speakers when using the HT-D47 with an audio system as shown in examples 1, 2, 5 and 6.

PLAYING WITH SURROUND 1 OR 2

When playing a programme source which is not encoded with Dolby Surround sound, such as CDs or cassettes, follow the steps below.

1. Adjust the volume control on the equipment used for the front speakers to your ordinary volume level.
2. Press the SOURCE button to select the source to be played.
3. Press the SURROUND button to select "SURROUND 1" or "SURROUND 2".

SURROUND 1:

This mode adds a theater-like quality.

SURROUND 2:

Adds a stage-like quality.

The center speaker does not function in this mode.

4. Press the ^ or v MASTER VOLUME button to adjust the volume.

BASIC CONNECTIONS

Note:

- Only one stereo audio lead and one video lead are supplied.
- For instructions on how to make the aerial connections between the TV and the VCR, refer to the operating instructions supplied with the VCR.

Example 1: TV, VCR and Audio system

It is possible to watch and listen to Dolby-encoded TV programmes and video cassettes.

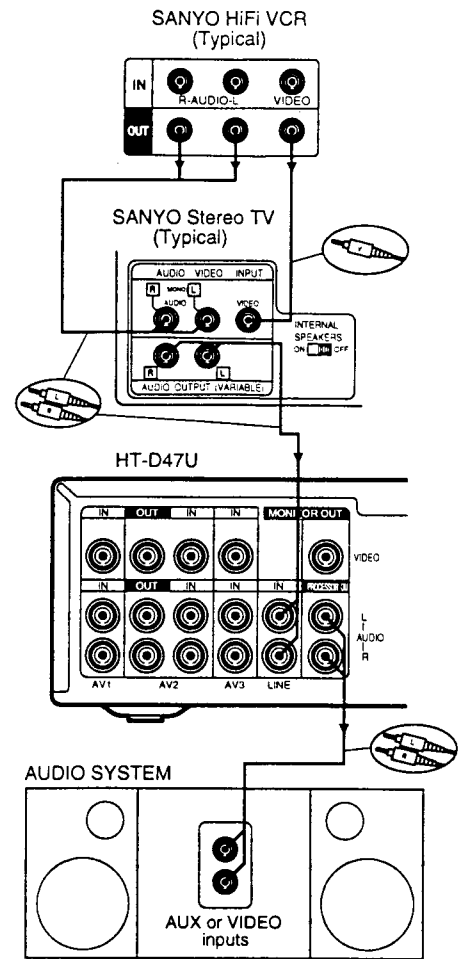
1. Connect a stereo audio lead between the AUDIO OUT sockets on the VCR and the AUDIO INPUT sockets on the TV.
2. Connect a video lead between the VIDEO OUT socket on the VCR and the VIDEO INPUT socket on the TV.
3. Connect a stereo audio lead between the "VARIABLE" AUDIO OUTPUT sockets on the TV and the LINE IN sockets on the HT-D47U.
4. Set the INTERNAL SPEAKERS switch on the TV to OFF.
5. Connect a stereo audio lead between the PROCESSOR OUT sockets on the HT-D47U and the AUX or VIDEO input sockets on the audio system.

Operation

1. Press the SOURCE button to select "LINE".
2. Set the input selector on the audio system to AUX or VIDEO.
3. Set the volume control on the audio system to approximately the 10:00 position. It may be necessary to readjust the volume control slightly. (Do not change this volume setting once the correct level has been selected.)
4. Adjust the overall volume level by pressing the ^ or v MASTER VOLUME button.
5. Select a TV channel that is broadcasting a programme with Dolby Surround sound, or play a video cassette.
 - Adjust the centre and surround volume, if necessary.
 - When viewing a video cassette, select the video mode on the TV.

Note:

Dolby Surround cannot be heard unless the AUDIO OUTPUT sockets from the VCR is connected to the TV. The RF (aerial out) connection does not supply a stereo signal to the TV while a tape is playing or when the VCR tuner is used.



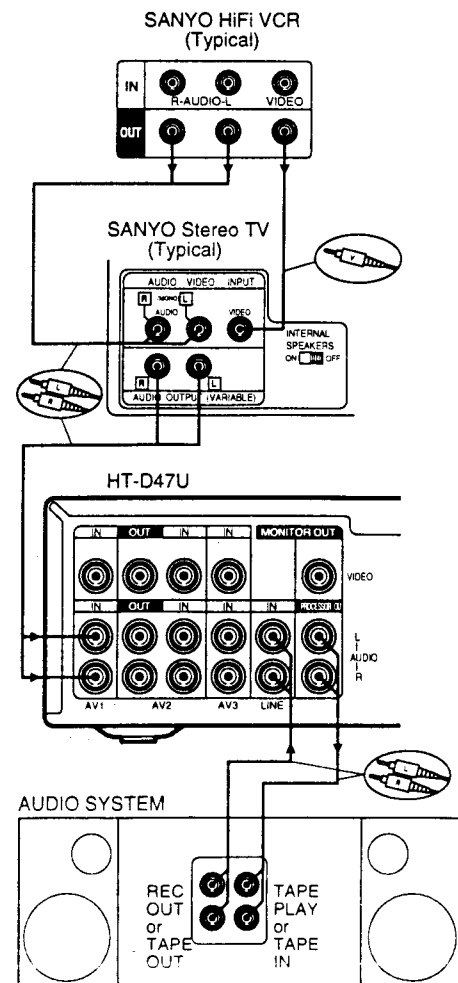
Example 2: TV, VCR and Audio system with tape monitor

It is possible to watch and listen to Dolby-encoded TV programmes and video cassettes. It is also possible to listen to programme material from the audio sources connected to the audio system and process them with the Dolby Pro Logic decoder built into the HT-D47. (The tape monitor function must be turned on at all times.)

1. Connect a stereo audio lead between the AUDIO OUT sockets on the VCR and the AUDIO INPUT sockets on the TV.
2. Connect a video lead between the VIDEO OUT socket on the VCR and the VIDEO INPUT socket on the TV.
3. Connect a stereo audio lead between the "VARIABLE" AUDIO OUTPUT sockets on the TV and the AV1 IN sockets on the HT-D47U.
4. Set the INTERNAL SPEAKERS switch on the TV to OFF.
5. Connect a stereo audio lead between the LINE IN sockets on the HT-D47U and the REC OUT or TAPE OUT sockets on the audio system.
6. Connect a stereo audio lead between the PROCESSOR OUT sockets on the HT-D47U and the TAPE PLAY or TAPE IN sockets on the audio system.

Operation

1. Press the SOURCE button to select "AV1".
 - Select "LINE" when listening to programme material from the audio sources connected to the audio system.
2. Switch on the tape monitor function on the audio system.
3. Follow steps 3 - 5 of "Operation" under "Example 1" above.



ADDITIONAL EXAMPLES

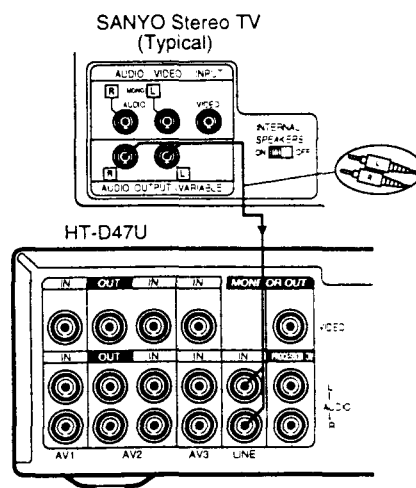
Example 3: TV alone

It is possible to watch and listen to TV programmes.

1. Connect a stereo audio lead between the "VARIABLE" AUDIO OUTPUT sockets on the TV and the LINE IN sockets on the HT-D47U.
2. Set the INTERNAL SPEAKERS switch on the TV to ON.

Operation

1. Press the SOURCE button to select "LINE".
2. Press the ^ MASTER VOLUME button until 4 - 6 VOL LEVEL indicators are lit. (Do not change this volume setting once the correct level has been selected.)
3. Select a TV channel.
4. Adjust the overall volume using the volume control on the TV.
 - Adjust the centre and surround volume, if necessary.



Example 4: TV and VCR

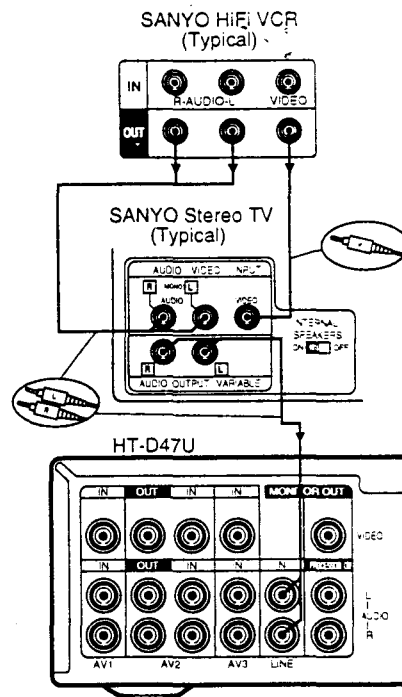
It is possible to watch and listen to TV programmes and video cassettes.

1. Connect a stereo audio lead between the AUDIO OUT sockets on the VCR and the AUDIO INPUT sockets on the TV.
2. Connect a video lead between the VIDEO OUT socket on the VCR and the VIDEO INPUT socket on the TV.
3. Connect a stereo audio lead between the "VARIABLE" AUDIO OUTPUT sockets on the TV and the LINE IN sockets on the HT-D47U.
4. Set the INTERNAL SPEAKERS switch on the TV to ON.

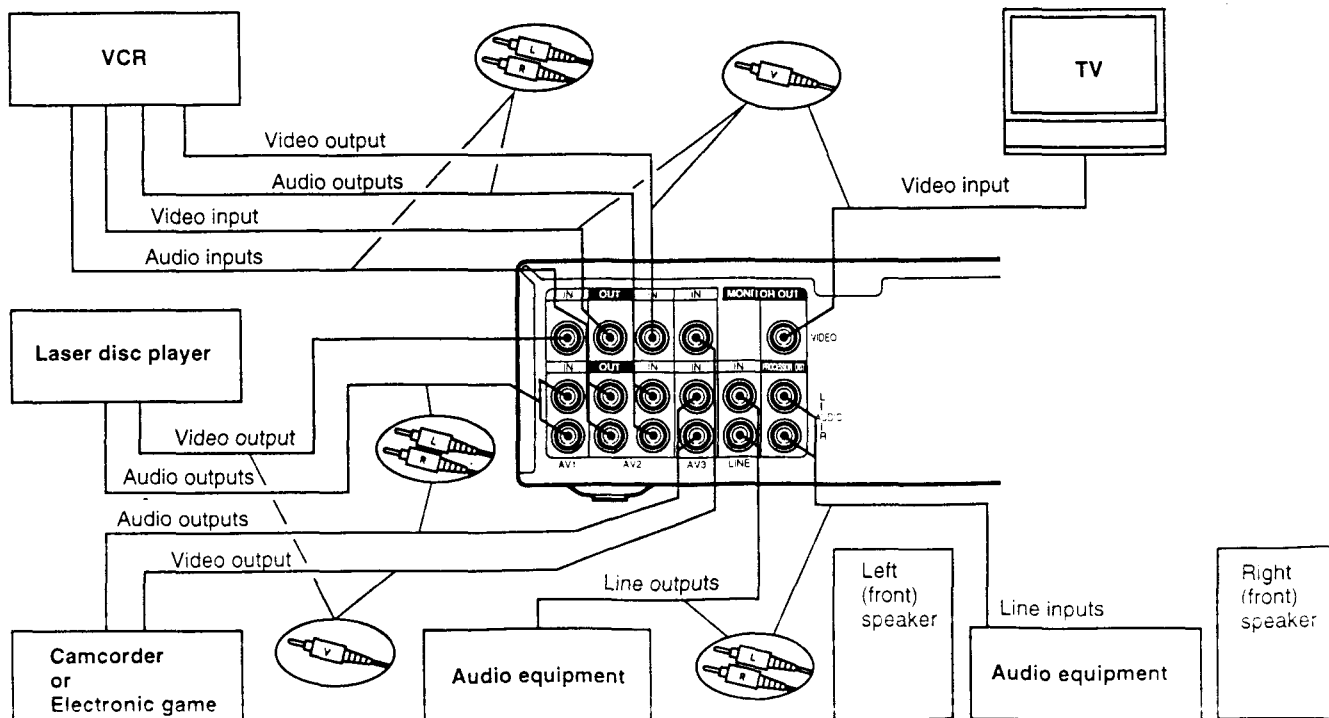
Operation

Operation is the same as in "Example 3" above.

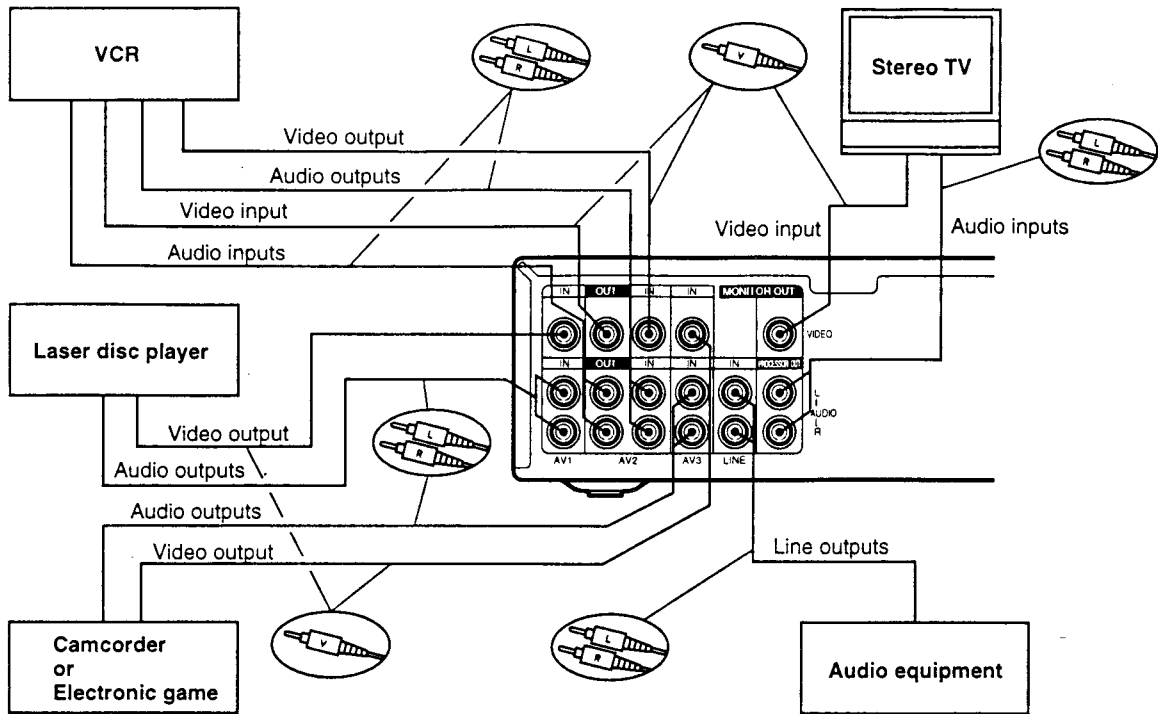
When viewing a video cassette, select the video mode on the TV.



Example 5: Other audio/video components 1



Example 6: Other audio/video components 2



CLEANING THE CABINET

Use a soft cloth to remove dirt on the main unit.

If the dirt persists, dip a soft cloth into a diluted solution of neutral detergent, wring it out, wipe away the dirt, and then take up any moisture with a dry cloth. Do not use benzene, thinners or alcohol since they will mar the finish of the surfaces.

SPECIFICATIONS

Output power:

Centre amplifier: 15 W (at 8 ohms, 10% distortion)
Surround amplifier: 15 W x 2 (at 8 ohms, 10% distortion)

Inputs

AV1 IN/AV2 IN/AV3 IN "AUDIO": 300 mV/50k ohms
AV1 IN/AV2 IN/AV3 IN "VIDEO": 1 V P-P/75 ohms
LINE IN "AUDIO": 300 mV/50k ohms

Outputs

AV2 OUT "AUDIO": 300 mV/50k ohms
PROCESSOR OUT "AUDIO": 1 V/1k ohm
AV2 OUT/MONITOR OUT "VIDEO": 1 V P-P/75 ohms
CENTER/SURROUND SPEAKERS: 8 ohms

Power requirements:

AC 230 - 240 V, 50 Hz

Power consumption:

70 W

Dimensions:

270(W) x 80(H) x 320(D) mm

Weight:

3.7 kg

Speaker systems

Surround speakers (SX-SR47)

Unit used:

Full range: 10 cm cone type

Maximum power-handling capacity:
30 W (peak)

Nominal impedance:
8 ohms

Dimensions:
170(W) x 130(H) x 107(D) mm

Weight:
1 kg (per speaker)

Centre speaker (SX-CE47)

Unit used:

Full range: 10 cm cone type

Maximum power-handling capacity:
30 W (peak)

Nominal impedance:
8 ohms

Dimensions:
270(W) x 130(H) x 140(D) mm

Weight:
1.6 kg

Specifications subject to change without notice.

SANYO

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