JBL

JSR 625
AUDIO AND
VIDEO RECEIVER

OWNER'S
MANUAL

JSR

625

JBL JSR 625

Date of purchase _____

Purchased from _____

Address of business purchased from_____

_____

Installed by _____

Date Installed _____

Serial No. _____

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that 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.

Thank you for choosing a JBL Audio/Video Receiver.

Your new Unit is an exceptionally well-engineered product that will give you years of superb performance.

Save all packing material.

It is essential for shipping should you move, or in the event the unit ever needs repair.

U.S. and Canadian customers should use 120 volt AC only. Other customers should use voltages appropriate to their area. Connecting the unit to an outlet supplying a higher voltage may create a fire hazard.

HANDLE THE POWER CORD GENTLY

■ To disconnect the plug from the AC outlet, pull on the plug itself, not on the cord.

■ Disconnect the plug from the AC outlet whenever the unit is to be left unused for an extended period of time.

■ Do not place furniture or other heavy objects on the cord, and avoid dropping heavy objects on it. Also do not make a knot in the cord.

PLACE THE UNIT ON A FIRM AND LEVEL SURFACE

Avoid installing it:

■ In moist or humid places

■ Close to heating equipment or in places exposed to direct sunlight

■ In a direct draft from an air conditioner or in other very cold locations

■ In places subject to excessive vibration or dust

■ In poorly ventilated places

MOVING THE UNIT

Before moving the unit, be sure to unplug the power cord from the AC outlet and disconnect all wires to antennas and other components.

DO NOT OPEN THE CABINET

Do not attempt to service this unit. Tampering with internal components can cause fire or shock, and may void your guarantee. If water or a small object enters the unit, unplug the power cord immediately and consult an authorized JBL service center. Using the unit under such conditions may cause a fire or shock hazard.

CLEANING

Remove dust by wiping the unit with a soft, dry cloth. If necessary, use a soft cloth lightly dampened with mild soapy water; then wipe with a dry cloth. Never use benzene, thinner, alcohol or other volatile agents, and avoid spraying insecticides near the unit.

FCC INFORMATION

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio TV technician for help.

CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CONTENTS

JBL A/V RECEIVER JSR-625

Volume

Tune/Preset

Seek Stereo

Memory   Tune/Preset

STEREO TUNED   PRESET

FM 888.88   MHz 88

VCR1   CD   FM   Bass   Treble   Balance

TV/VCR 2   Aux   AM

VCR 2

Power   Headphones   Surround Off Surround Tape Mon
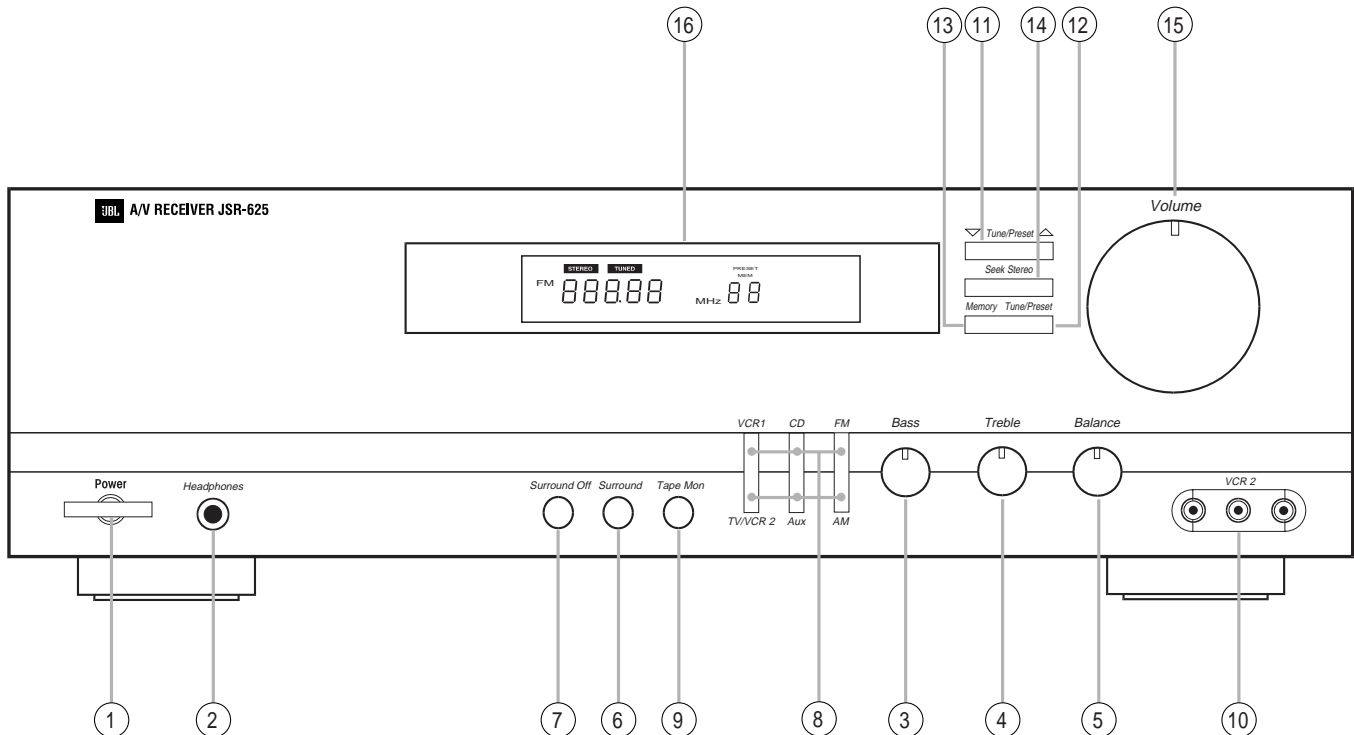
① **POWER BUTTON**

Press this button to turn the power on. Press again to turn the
power off. If you connect the other components to the switched
outlet, it can also be used as a system power button.

② **HEADPHONE JACK**

Stereo headphones can be plugged into this jack for private listen-
ing. Headphone impedance should be between 8 and 2K ohms.
Best results between 200 and 400 ohms.

③ **BASS CONTROL**

Modifies the low-frequency sound of the left and right channels as
much as ± 10dB. Set this control at a suitable position for your
taste and room acoustics.

④ **TREBLE CONTROL**

Modifies the high-frequency sound of the left and right channels as
much as ± 10dB. Set this control at a suitable position for your
taste and room acoustics.

⑤ **BALANCE CONTROL**

This control is used for balancing the relative sound volume of the
left and right channel speakers. Clockwise rotation reduces the vol-
ume from the left speaker, counterclockwise rotation reduces the
volume from the right speaker.

⑥ **SURROUND MODE SELECTOR**

Press this button to select the desired surround mode. The
mode is changed between normal DOLBY Pro Logic and
DOLBY 3-STEREO.

⑦ **SURROUND OFF**

Defeats all surround modes.

⑧ **INPUT FUNCTION SELECTOR BUTTONS**

Press these buttons to select the desired input source.

⑨ **TAPE MONITOR BUTTON**

Press this button to select input from a tape deck.

⑩ **VCR 2 INPUT JACKS**

Connect these jacks to the corresponding output jacks of a VCR.

⑪ **TUNE / PRESET BUTTONS**

When PRESET and AUTO are not lit, the TUNE/PRESET buttons
will allow you to tune to a station manually.

⑫ **MEMORY TUNE / PRESET BUTTON**

Press the TUNE/PRESET side of this button to light up the preset mode then use the up/down buttons momentarily to scan the preset station frequencies. The receiver stops at each preset location from 1–30 that has been entered in memory. Hold the button down to skip through the presets quickly. In the TUNE mode press these buttons to change selected frequencies.

⑬ **MEMORY BUTTON**

Use this button to store an AM or FM frequency. Press this button and select one of 30 preset locations to store the frequency with the TUNE/PRESET buttons while the MEMORY indicator blinks, press MEMORY again to store preset station.

NOTE: When you store a frequency in a memory location that already contains a frequency, you replace the previous frequency. If your receiver is disconnected from AC power for more than about 2 weeks, it loses all stored frequencies.

⑭ **SEEK / STEREO BUTTON**

Press this button, "Auto" will illuminate in the display. Then press the TUNE/PRESET button. The tuner will automatically seek out stations in your area that have enough signal strength to be listenable. The tuner will stop on stations until the SEEK/STEREO button is pressed again.

⑮ **VOLUME CONTROL**

Turn the VOLUME clockwise to increase the volume and counter-clockwise to decrease it. The volume of the front, center, and rear channels is changed at the same time.

⑯ **DISPLAY WINDOW**

This window shows the state of operation for easier control of the receiver. It also contains the IR Remote Sensor.

Diagram labels include: FM OUTDOOR ANTENNA, FM INDOOR ANTENNA, AM LOOP ANTENNA, TV MONITOR, CENTER SPEAKER, 300Ω/75Ω ADAPTOR, ANTENNA, AM LOOP, FM 75Ω, VIDEO, VCR 1, MONITOR, IN, OUT, MAIN IN, PRE OUT, SUB WOOFER OUT, LEFT, RIGHT, CENTER SPEAKER (8Ω), REAR SPEAKERS 4Ω, SERIAL NO., MODEL NO.: JSR 625, JBL, Incorporated, NORTHRIDGE, CALIFORNIA U.S.A., FRONT SPEAKER (8Ω), REMOTE CONTROL, TV/AUX, CD, PLAY, REC, TAPE MON, VCR 1, PLAY, REC, (USE 4 OHM MIN SPEAKERS), COMPACT DISC PLAYER, CASSETTE DECK, TO (18), AUDIO, VIDEO, REC IN, PLAY OUT, IN, OUT, OUT, VCR, REAR SPEAKERS, FRONT SPEAKERS, LEFT, RIGHT, TO WALL OUTLET, AC INPUT AC 120V/60Hz, AC OUTLETS, UN-SWITCHED 100W MAX OR 1A MAX AC 120V/60Hz, SWITCHED TOTAL 100W MAX OR 1A MAX AC 120V/60Hz

① FM INDOOR ANTENNA

Connect the supplied antenna (the wire lead) to a 300Ω/75Ω adapter and connect the adapter to the 75Ω T-shaped FM antenna terminal, as shown in the Rear Panel Connection Diagram. Change the position of the antenna until you get the best reception of your favorite stations.

② FM OUTDOOR ANTENNA

An outdoor FM antenna may be used to further improve the quality of reception. Disconnect the indoor antenna before replacing it with the outdoor one. A 75Ω/300Ω adaptor must be used.

③ AM LOOP ANTENNA

Tune in your favorite AM station and position the loop antenna for best reception. Try other stations and find the position that gives the best overall reception. When this unit is mounted in a rack or placed on a shelf with sufficient space behind, hang the antenna on a wall in the direction which gives the best reception.

NOTE: If noise is heard during AM reception, move the antenna for better reception. To prevent undesired noise, the AM LOOP ANTENNA should be located away from the remote control cord over 12 inches (30cm).

AM LOOP ANTENNA SETTING

LEG

Stand and place it on a shelf or hang it on a wall.
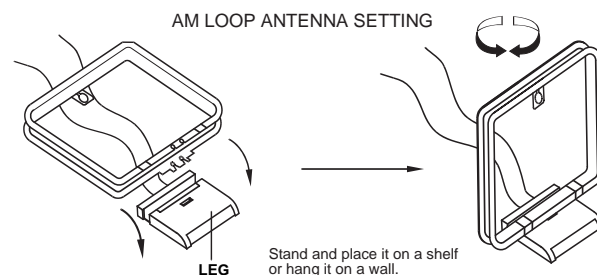
④ TV / AUX INPUT JACKS

This input is provided for any source you want to hear. An additional compact disc player, tape recorder, TV video cassette recorder (VCR), etc. can be plugged into these jacks.

⑤ CD INPUT JACKS

Connect the output cables of a compact disc player to these jacks.

⑥ TAPE PLAY JACKS

Connect the line output of your CASSETTE DECK to these jacks.

⑦ TAPE REC JACKS

Connect the line input of your CASSETTE DECK to these jacks.

⑧ **VIDEO / AUDIO INPUT (PLAY) JACKS OF VCR1**

Connect these jacks to the corresponding OUTPUT jacks of your TV (if available) or VCR.

⑨ **VIDEO / AUDIO OUTPUT (REC) JACKS OF VCR1**

Connect these jacks to the corresponding INPUT jacks of a VCR. VIDEO OUTPUT jack: Connect this jack to the VIDEO INPUT jack of the VCR. VIDEO REC jack: Connect these jacks to the AUDIO INPUT jacks of the VCR.

⑩ **VIDEO MONITOR JACK**

Connect this jack to the VIDEO INPUT jack of a TV/MONITOR.

⑪ **REMOTE CONTROL OUT JACK**

Connect this jack to the REMOTE IN jack on a JBL or Harman Kardon component. Use one of the accessory mini-plug cables.

You can control many other JBL or Harman Kardon components in your system using the JSR 625 remote commander.

⑫ **MULTI-ROOM REMOTE IN JACK**

Connect a Harman Kardon HE 1000 remote IR sensor to this jack. You can operate the unit by remote commander through the adaptor. It is convenient when the unit is located in a separate room.

⑬ **FRONT PRE OUT AND MAIN IN JACKS**

Front Pre Out

When a separate power amplifier is used to drive the front speakers, connect the power amplifier input to these jacks.

Front Main In

When a separate pre-amplifier is connected and this unit is used as a power amplifier, connect the pre-amplifier output to these jacks.

NOTE: When you do not use the PRE OUT and MAIN IN separately, always connect the PRE OUT and MAIN IN jacks with a jumper plug.

⑭ **SUBWOOFER OUTPUT JACKS**

Connect a powered subwoofer to these jacks. This output may also be used for any external component requiring a full bandwidth line-level input.

⑮ **SPEAKER TERMINALS**

Connect the front left (L) and right (R) speakers to the corresponding terminals. Make sure that the positive (+) and negative (–) terminals on the speaker are connected to the corresponding terminals on the receiver.

⑯ **CENTER/REAR SPEAKER TERMINALS**

Connect center and rear speakers to the corresponding terminals. When you connect the rear speakers, connect both L and R speakers.

PLEASE NOTE: Sound will not be provided through the rear speakers unless both speakers are connected.

⑰ **AC INPUT CORD**

Plug this cord in AC outlet on a wall.

⑱ **AC SWITCHED OUTLET**

These outlets provide AC power. The AC power is switched by the power button. Use this outlet for a CD player or a cassette deck.

⑲ **AC UNSWITCHED OUTLET**

This outlet provides AC power. The AC power is not switched by the POWER button.

NOTE: Do not plug irons or toasters or other products with high power consumption into these outlets.

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WHEN YOU DRIVE THE FRONT SPEAKERS WITH ANOTHER AMPLIFIER

(Remove PRE-OUT/MAIN IN jumpers when the front speakers are connected to external amplifier.)

CENTER
SPEAKER

+   −

LEFT   RIGHT

MAIN
IN

PRE
OUT

SUB
WOOFER
OUT

CENTER
SPEAKER
(8Ω)

REAR SPEAKERS
RIGHT   LEFT

LEFT

FRONT
SPEAKER
(8Ω)

RIGHT

(USE 8 OHM MIN SPEAKERS)

LINE-INPUT

L

R

Power

FRONT(left)

FRONT(right)
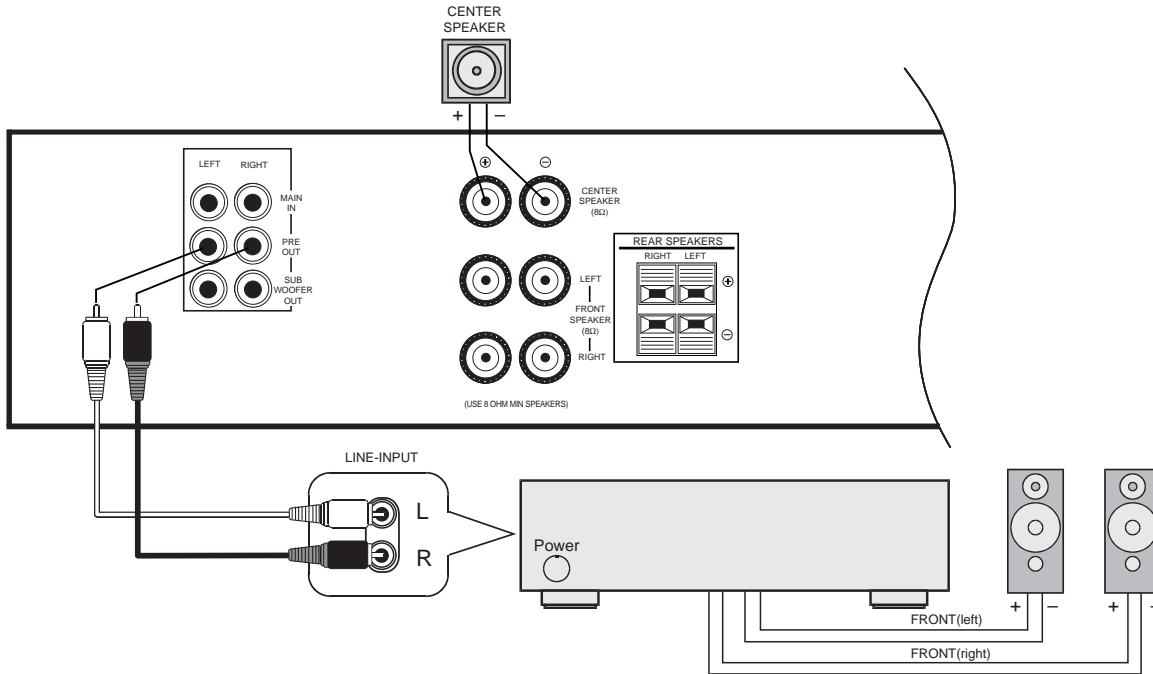
WHEN YOU DRIVE THE SUBWOOFER AMP

FRONT SPEAKER

CENTER
SPEAKER

+   −   +   −   +   −

LEFT   RIGHT

MAIN
IN

PRE
OUT

SUB
WOOFER
OUT

CENTER
SPEAKER
(8Ω)

REAR SPEAKERS
RIGHT   LEFT

LEFT

FRONT
SPEAKER
(8Ω)

RIGHT

(USE 8 OHM MIN SPEAKERS)

LINE-INPUT

L

R

PS SERIES (made by JBL)
SUBWOOFER AMP
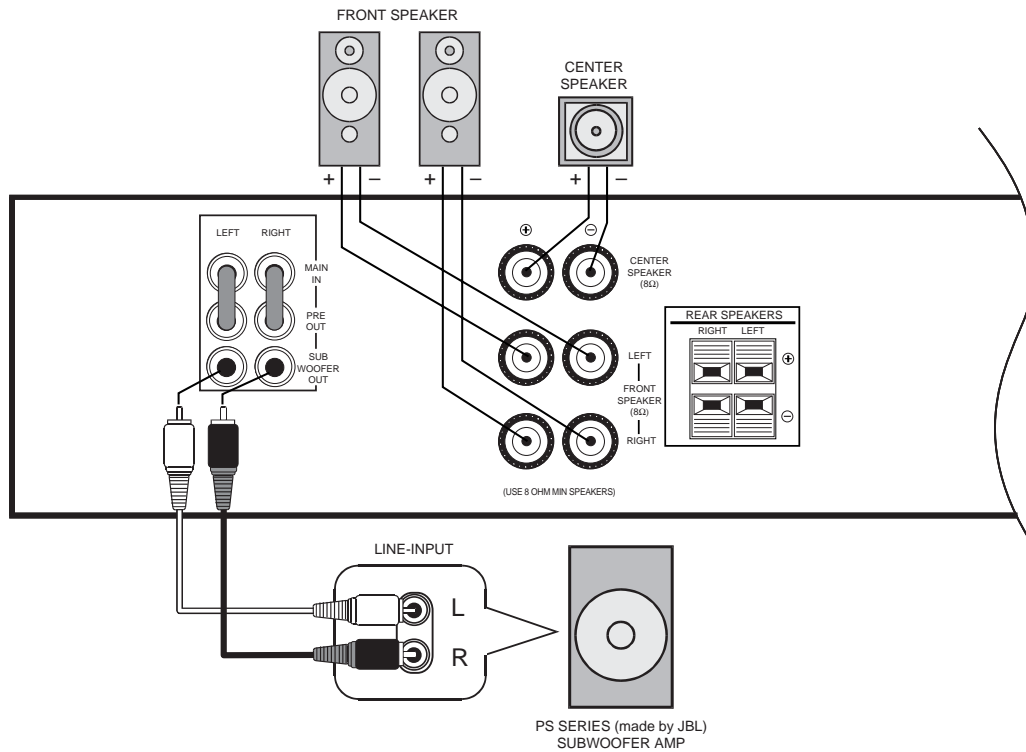
SURROUND PROCESSING

■ Dolby 3 Stereo

Combines the front and rear signals so that you can enjoy a regenerated sound field which has comparatively more presence and a more expansive feeling from the front 3 channels (front L, front R, center speaker) than that of ordinary stereo regeneration.

■ Dolby Pro Logic Surround

A great number of movies made in recent times have the sound track specially encoded with the Dolby Surround Mode (carrying the [Dolby Stereo] or [Dolby Surround] trademark*).

The front speakers provide the dialogue and the normal stereo effect, while the rear speakers reproduce the surround signals. This position provides excellent results when watching television programs, video software, video discs or video tapes of stereo television broadcasts encoded with Dolby Surround. Dolby Stereo films have dramatically changed the role of the movie-goer from that of observer to that of participant. Clearer dialogue, richer music, enveloping ambience and making high-fidelity, multi-dimensional sound are essential parts of cinematic presentations. Imagine recreating the same sort of audio-visual experience right in your own home.

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

SPEAKER INSTALLATION

■ The JSR 625 incorporates a decoder which reproduces the specially encoded surround sound of Dolby Surround video programs. In Dolby Surround mode, select the speaker operation mode according to your speaker system.
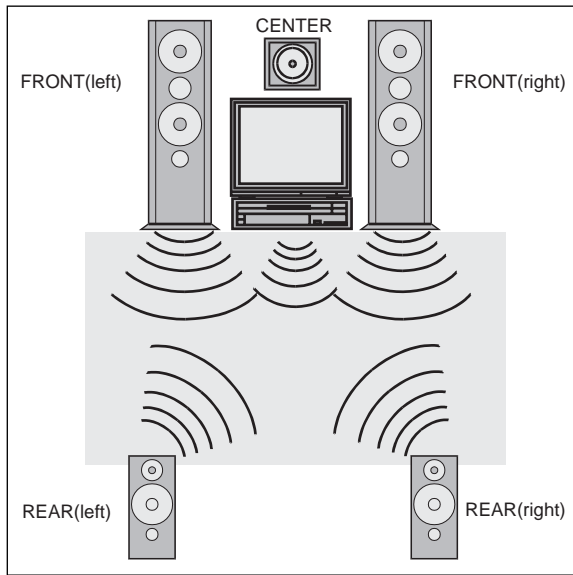
NORMAL mode

Select this mode if you use a small center speaker. The bass sound of the center channel is output from the front speakers, as a small speaker can't produce enough bass.
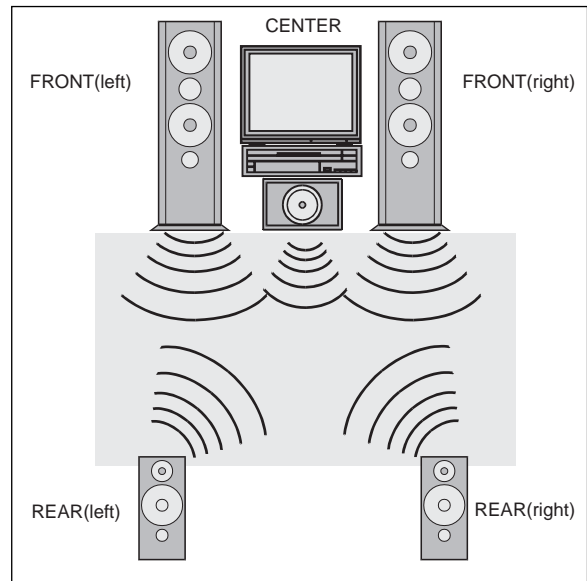
WIDEBAND mode

Select this mode if you use a medium to big center speaker.
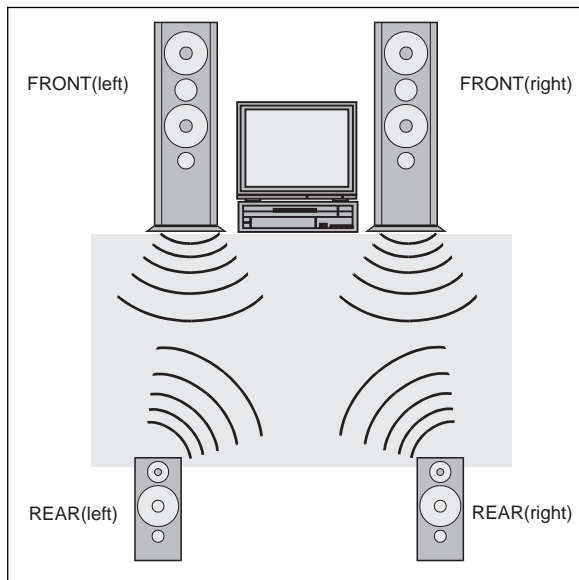
PHANTOM mode

Select this mode when you play back a Dolby Surround program source without using a center speaker. The sound of the center channel is output from the front (L and R) speakers.
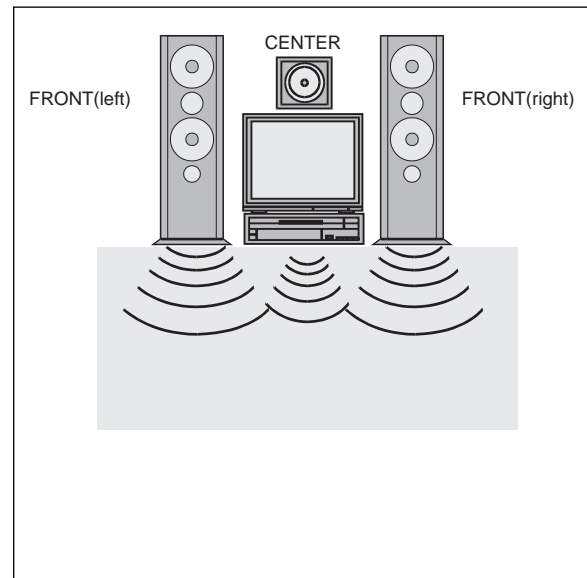
3 STEREO mode

Select this mode when you play back a Dolby Surround program source only with the front and center speakers. The sound of the rear channel is output from the front (L and R) speakers.

■ **BASIC OPERATION**
1 Press the POWER button to ON then the display panel lights up.
  • When using the POWER button on the remote control turn the unit off, the unit will go into STANDBY mode.
2 Select the desired program source with the INPUT FUNCTION SELECTOR buttons and the selected input function appears in the display.
3 Operate the selected component for play back.
  • When viewing and listening to video sources, the picture of the video source appears on the television and the sound can be heard from the speakers.
  • When playing back video software using a surround sound effect, refer to the "Surround Sound Effects".
  • When the TAPE MONITOR button is set to ON so that the TAPE MONITOR indicator lights up, the selected program source cannot be heard from the speakers.
    To listen to a program source other than cassette deck be sure to set the TAPE MONITOR button to OFF.
4 Adjust the volume to a comfortable listening level with the VOLUME control or VOLUME UP/DOWN buttons on the remote control.
5 For private listening, insert a 1/4 inch plug of the headphone into the HEADPHONE jack.
  • When the headphones are plugged in, sound from the speakers is cut off.

■ **LISTENING TO BROADCASTS**
You can use auto, manual or preset tuning to select a radio station.

■ **AUTO TUNING**
If broadcast signals are strong and there is no interference, auto tuning is possible.
1 Press the FM or AM button to select the desired band.
2 Press the SEEK STEREO button.
3 Press the UP or DOWN TUNE/PRESET button. Tuning will start automatically and stop at a broadcast station frequency with sufficient signal strength.

■ **MANUAL TUNING**
Auto tuning may be impossible if the broadcast signal is weak. If so, use manual tuning.
1 Press the FM or AM button to select the desired band.
2 Press the UP or DOWN TUNE/PRESET button until the desired station frequency is reached.
  • Each time the button is pressed, the frequency changes by a step.
  • When the button is kept pressed, the frequency changes continuously in sequence.

■ **PRESET TUNING**
The receiver has a memory for up to 30 preset stations.
If the station frequencies are stored in this memory, they can be tuned in by a simplified procedure.

■ **MANUAL PRESETTING**
Up to 30 stations can be preset at random, regardless of the reception band.
1 Tune in the station to be memorized using the auto or manual tuning.
2 Press the MEMORY button, then the MEMORY indicator lights up for 5 seconds.
3 Select the preset number with the UP or DOWN TUNE/PRESET button while the MEMORY indicator is lit.

4 Press the MEMORY button to memorize the station.
  • When using the NUMERIC buttons on the remote, the station is memorized without pressing the MEMORY button again.
  • When selecting one digit preset numbers with the NUMERIC buttons, press the corresponding number without "0".
5 Repeat steps 1 to 4 to preset other stations.

■ **RECALLING THE PRESET STATIONS**
Select the preset number of the desired preset station with the UP or DOWN TUNE/PRESET or NUMERIC buttons on the remote control unit.

■ **SCANNING THE PRESET STATIONS IN SEQUENCE**
1 Press the PRESET SCAN button on the remote control unit to listen to the preset stations.
2 The receiver will start scanning the stations in the preset sequence and each station is received for 4 seconds.
3 At the desired station, press again to stop scanning.
NOTES:
• If the end of the frequency range is reached during the auto or manual tuning, tuning will continue from the opposite end.
• When FM stereo broadcasts are poor, select the FM mono mode with the SEEK/STEREO button so that the AUTO indicator goes off.
• When memorizing a new station, the previously memorized station on the same channel number is cleared.
• In the event of a power failure or when the receiver is disconnected from the AC outlet, the memorized stations are maintained for approximately 2 weeks.

■ **RECORDING WITH A CASSETTE DECK**
1 Select the program source to be recorded with the INPUT FUNCTION SELECTOR buttons.
2 Start recording on the cassette deck.
3 Play back the desired program source.
  • The volume, balance, bass and treble settings have no effect on the recording or dubbing.
  • When recording is performed on a 3-head cassette deck, the recorded sound can be monitored through the speakers by pressing the TAPE MONITOR button to ON.

■ **DUBBING FROM VCR2 TO VCR1**
1 Press the VCR2 button as a program source to be recorded.
2 Start recording on the VCR connected to VCR1.
3 Play back on the VCR connected to VCR2, then the video and audio signals from VCR2 will be dubbed onto VCR1.

■ **RECORDING WITH SEPARATE VIDEO AND AUDIO SOURCES**
When dubbing from VCR2 to VCR1, you can replace the audio signal from VCR2 with the audio signal from other program sources.
1 Press the VCR2 as a video source to be recorded.
2 Select the audio source to be recorded with the INPUT FUNCTION SELECTOR buttons.
3 Start recording on the VCR connected to VCR1.
4 Play back on the video and audio components, allows you to watch the picture from the video component on the television and listen to the sound from the audio component through the speakers while recording.
NOTE: Be sure to observe the order of steps 1 and 2.

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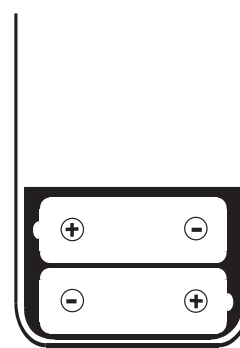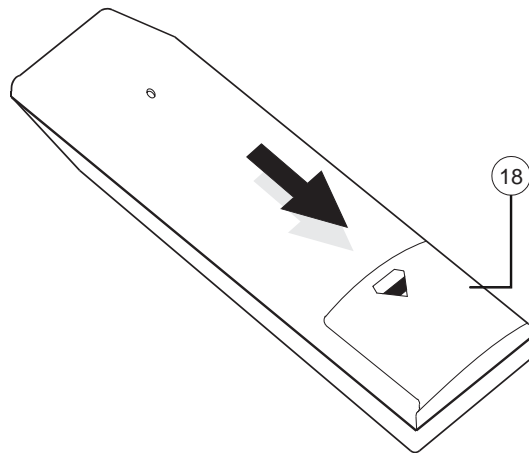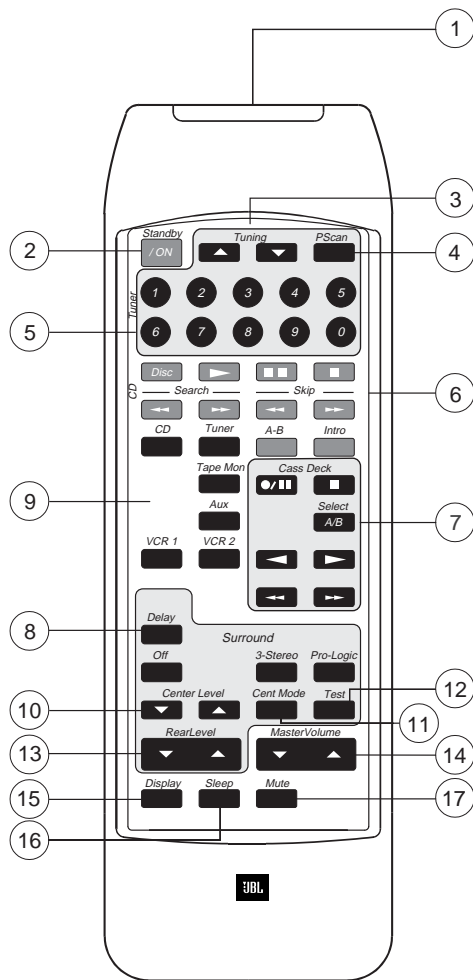
① INFRARED TRANSMITTER WINDOW

The infrared beam is emitted forward from this window when you press any button on the commander. For the remote controls to function properly, always face this window toward the remote sensor window on the receiver and do not obstruct this window with any material.

② STANDBY BUTTON

Press this button to turn the power on and off.

Automatic power on: When you press the input function buttons (CD, TUNER, TAPE, TV/AUX, VCR 1, VCR 2) in STANDBY mode, the power is automatically turned on and the function is selected.

③ TUNING UP/DOWN

Press these buttons to tune the receiver up or down.

④ PRESET SCAN BUTTON

Button for scanning preset station frequencies (see page 11).

⑤ NUMERIC BUTTONS

These buttons can be used for preset tuning in TUNER mode.

Preset tuning: Press the TUNER button to change the input function of the receiver to TUNER and then select one of 30 preset locations.

⑥ CD FUNCTION BUTTONS

For a CD PLAYER: DISC (DISC SELECTOR is available for the Harman Kardon FL8400, FL8450 CD changer), PLAY, PAUSE, STOP, BACKWARD SKIP, FORWARD SKIP, A-B and INTRO buttons are available.

When selecting a disc, press the DISC button.

⑦ CASSETTE DECK FUNCTION BUTTONS

For a cassette deck: PAUSE/RECORD, STOP, REVERSE PLAY, FORWARD PLAY, REWIND, FAST FORWARD buttons are available.

⑧ DELAY TIME BUTTON

This button operates only in DOLBY PRO LOGIC mode. In this mode the output signal from the surround speakers is delayed slightly from that of the front speakers.

Select appropriate delay time to achieve the best surround sound effect. For Dolby Surround sound, we recommend a 20ms delay. The time is changed as below, when the button is pressed in succession.
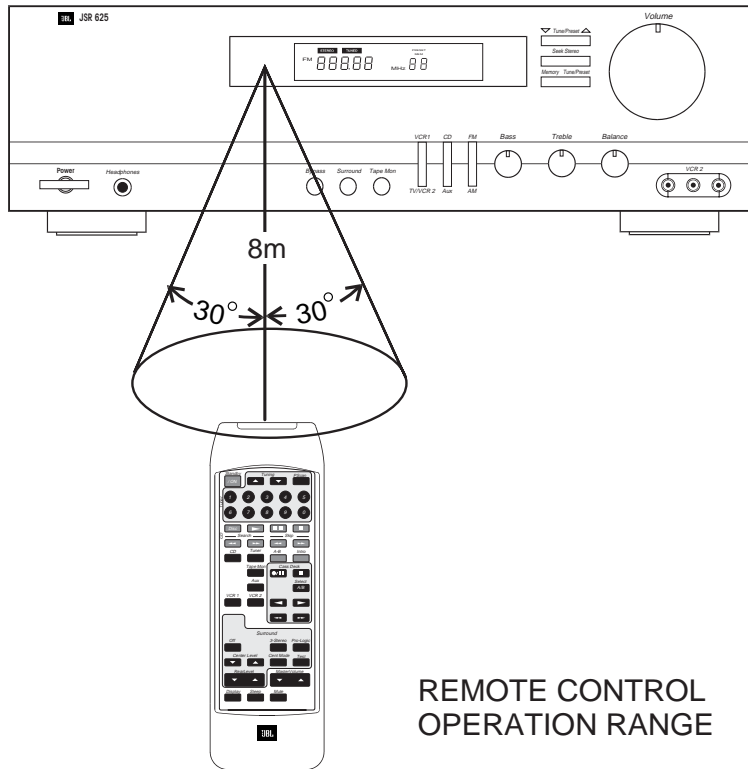
REMOTE CONTROL
OPERATION RANGE

DOLBY PRO LOGIC MODE

$$\rightarrow 15\ ms \longrightarrow 20\ ms \longrightarrow 25\ ms \longrightarrow 30\ ms$$
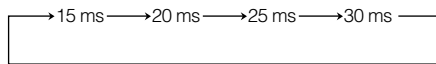
⑨ INPUT FUNCTION SELECTOR

Press the button to select the desired input function. The available buttons are CD, TUNER, TAPE, TV/AUX, VCR 1, and VCR 2.

⑩ CENTER LEVEL UP/DOWN BUTTONS

Use these buttons to adjust the sound level of the center speaker to that of the front speakers. These buttons work only in DOLBY PRO LOGIC and DOLBY 3 STEREO mode. These buttons do not work in PHANTOM mode.

⑪ CENTER MODE BUTTON

Select the CENTER mode.

⑫ TEST TONE BUTTON

Generates test sounds in all channels (Left, Center, Right and Surround) in succession.

⑬ REAR LEVEL UP/DOWN BUTTONS

These buttons operate only in Dolby PRO LOGIC mode. Use these buttons to adjust the sound level of the surround speakers. Set the MASTER VOLUME control at the desired level and press the UP or DOWN button until you get the optimum surround effect at your listening position.

⑭ MASTER VOLUME BUTTONS

Adjust the overall (Front, Center, and Rear) volume level.

⑮ DISPLAY BUTTON

Press once and the display dims, press again and it turns off. Press a third time and it goes on.

⑯ SLEEP BUTTON

Set the receiver to automatically turn off after 10, 20, 30, 60, or 90 minutes. Each time the button is pressed, the setting is advanced as below.

$$\rightarrow 10min \longrightarrow 20min \longrightarrow 30min \longrightarrow 60min \longrightarrow 90min \longrightarrow OFF$$
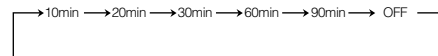
The display will dim when the sleep function has been set.

⑰ MUTE BUTTON

Press this button to silence the speakers temporarily. The volume indicator blinks. Press again to restore the same listening level as before.

⑱ BATTERY COMPARTMENT

This battery case is provided as the power source for the commander. To remove the cover, press it down with your thumb and pull it toward the back side. Two UM-3, size "AA" or R6 1.5V dry batteries are used. When loading the batteries, make sure that the polarity is correct. Remove the batteries from the case if the remote commander will not be used for a long time.

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This unit is designed for trouble-free operation. Most problems users encounter are due to operating errors. So, if you have a problem, first check this list for a possible solution. If the problem persists, consult your authorized JBL Service Center.

IF THE PROBLEM IS...	MAKE SURE THAT THE...
No lights illuminate when POWER button is pressed	Unit is plugged into a live outlet
No sound is heard	Correct input function selector button has been pressed Volume is turned up Speakers are connected properly
Dolby Surround does not work on center and rear channels	Correct surround mode is selected Rear and Center levels are turned up
Selecting video component produces sound but no picture	Video cables are connected properly
The TV picture does not match the sound	Video sources are properly connected to receiver Video/Antenna Switch on TV is set to Video
No output from one or more channels	Cables are not defective: Check/replace speaker cables The signal source is operating and providing proper signal output to the JSR 625
No center channel output	Dolby surround or movie mode is turned on PHANTOM mode is not active
Tuner sound has a large amount of interference, or The "Stereo" display is not illuminated, or Tuner sound distorts and/or volume level is too low	The antenna is properly connected The antenna is properly located The antenna is set in the proper direction The antenna is adequate to receive the desired station
Tuner is intermittent or continuously buzzing or hissing	The unit is away from fluorescent lights, TVs, motors and other electrical appliances
Stations cannot be preset	After pressing the MEMORY button, the PRESET button is pressed while the MEMORY indicator blinks

STEREO MODE

Continuous Average Power (FTC)
    35 Watts from 20Hz–20kHz: ....@ < 0.09% THD, both channels driven into 8 Ohms

FIVE CHANNEL SURROUND MODE

Continuous average power per channel (FTC)
    Front L&R channels
    30 Watts from 20Hz–20kHz: ....@ < 0.3% THD, both channels driven into 8 Ohms

    Center channel
    30 Watts at 1kHz: ....@ < 0.3% THD, driven into 8 Ohms

    Rear channels
    20 Watts at 1kHz:..@ < 1.0% THD, both channels driven into 8 Ohms

AMPLIFIER SECTION

High-Instantaneous Current Capability (HCC):.. ± 20 Amps
Negative Feedback: 20dB
Frequency Response @1W (+0/–3dB): .... 0.5Hz – 100kHz
Rise Time: 1.8µSec
Transient Intermodulation Distortion (TIM): .... Unmeasurable

PREAMPLIFIER SECTION

Signal-to-Noise Ratio (ref. 1 Volt, A-Wtd)
    CD:...92dB
    Video: 83dB
Input Sensitivity/Impedance
    Video, CD, Tape:...150mV/22kW
Tone Control Range
    Bass @ 50Hz:.. ±10dB
    Treble @ 10kHz:... ±10dB

TUNER SECTION: FM

Usable Sensitivity, Mono (dBf):...11.2
50dB Quieting Sensitivity, Stereo (dbf): 40.3
Signal-to-Noise Ratio @ 65dBf, mono/stereo: 70dB/65dB
Capture Ratio:... 2.0dB
Selectivity, Adjacent/Alternate Channel: 5dB/65dB
IF Rejection:.. 90dB
AM Rejection @ 45dBf: 55dB
Stereo Separation @ 1kHz, 65dBf: 45dB
THD @ 1kHz, 65dBf, mono/stereo (%):... 2/.4

TUNER SECTION: AM

Sensitivity, External Antenna: 25µV
Alternate Channel Selectivity:... 38dB
Image Rejection:.. 35dB
IF Rejection:.. 50dB
Dimensions (HxWxD): .... 4-7/8 x 17-5/16 x 14-15/16"
                                                                                                                    125 x 440 x 380mm
Weight (lbs/kgs): ....18 lbs, 8.2 kg
Depth measurement includes knobs, buttons and antennas.
Height measurement includes feet.

All features and specifications are subject to change without notice.

JBL