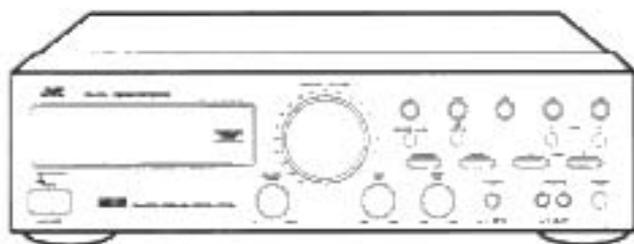


JVC



FM / AM RECEIVER

RX-318BK



COMPU LINK
Remote
Control Component

INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

E30580-2414A

{ J }



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



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

Caution — POWER switch!

Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line. The power can be remote controlled.

Introduction

Thank you for purchasing the JVC RX-318BK receiver. We hope it will be a valued addition to your audio system. Be sure to read these instructions carefully before installing and operating the receiver.

Features

- Monitor recording quality
- Surround feature with two or four speakers
- Remote control
- Preset radio stations
- Easy to use

About This Manual

This manual gives you the basic information you need to install and use your receiver. It explains everything you need to know from turning the power switch on to basic troubleshooting. Please consult your JVC dealer if you have further questions about the receiver.

The following conventions are used in this manual:

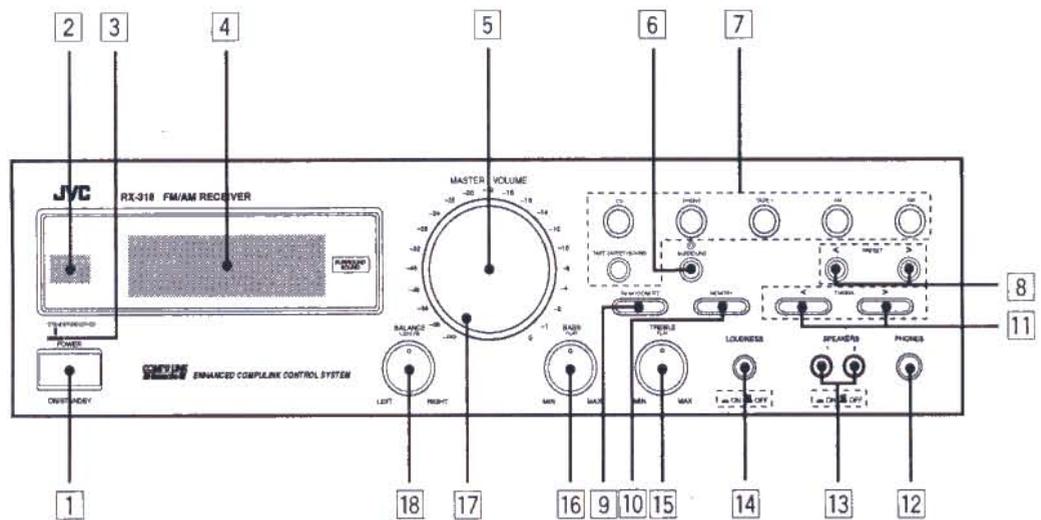
- Controls, buttons, and connection points on the back of the receiver are indicated with capital letters, like this: POWER button, AUDIO jacks
- Messages that appear on the display window are indicated with capital letters and in quotes, like this: "TUNED"
- Instructions that you need to follow to get the correct results are labeled **IMPORTANT!**
- Helpful information is labeled **NOTE:**
- To avoid electric shock to yourself or damage to the receiver, read the information labeled  **CAUTION!**

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Switches and Controls

Familiarize yourself with the main switches and controls on your JVC RX-318BK receiver.

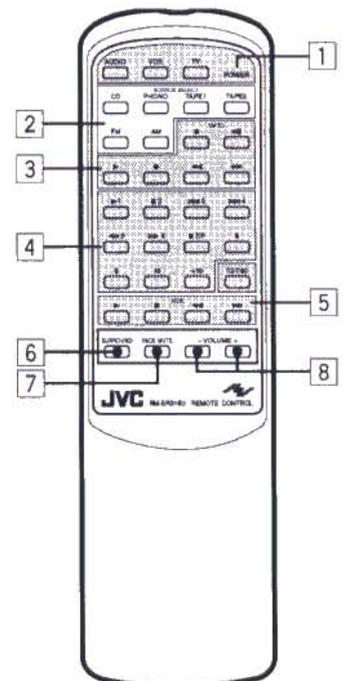


Receiver

- 1 ON/STANDBY switch
- 2 REMOTE SENSOR window
- 3 STANDBY/RECEIVED indicator
- 4 Display window
- 5 MASTER VOLUME control
- 6 SURROUND button
- 7 SOURCE SELECT buttons
- 8 PRESET buttons
- 9 FM MODE/MUTE button
- 10 MEMORY button
- 11 TUNING buttons
- 12 PHONES jack
- 13 SPEAKERS buttons
- 14 LOUDNESS button
- 15 TREBLE control
- 16 BASS control
- 17 MASTER VOLUME indicator
- 18 BALANCE control

Remote Control

- 1 POWER switch
- 2 Turns on the Unit or puts it in standby mode
- 3 SOURCE SELECT buttons
- 4 TAPE 1 control buttons
- 5 • Numeric button for only FM/AM
• Control button for CD and CD Changer
- 6 VCR control button
- 7 SURROUND button
- 8 FADE MUTE button
- 9 VOLUME adjuster



Installation

This section explains how to connect the receiver to other stereo equipment and speakers, and how to connect the power supply.

⚠ CAUTIONS

Before Installation

⚠ **CAUTION!** Before installing your receiver:

- Make sure your hands are dry.
- Turn the power off to all components.
- Read the installation instructions for all components you are going to connect.

Positioning the Receiver

⚠ **CAUTION!**

- Install the receiver in a location that is level and protected from moisture.
- The temperature around the receiver must be between 23° and 104° F (-5° and 40° C).
- Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.

Making Power Connections

⚠ **CAUTION!**

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grab the plug directly so as not to damage the cord.

Handling the Receiver

⚠ **CAUTION!**

- Do not insert any metal object into the receiver.
- Do not disassemble the receiver or remove screws, covers, or cabinet.
- Do not expose the receiver to rain or moisture.

Connecting Stereo Components

Before Starting

Before connecting the receiver, read the following paragraphs carefully.

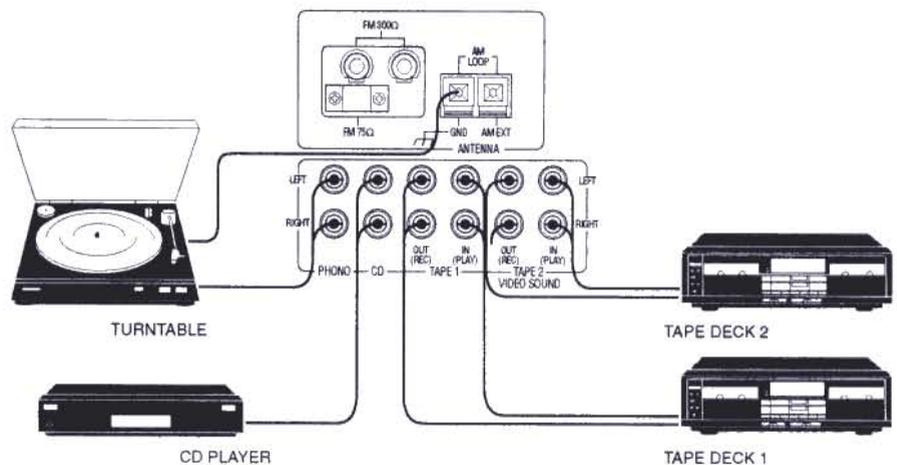
IMPORTANT! The left channel of any audio component must be connected to the left-channel jack of the receiver, and the right channel to the right-channel jack. If they are reversed, the stereophonic image will not be correct.

NOTE: To ensure correct connections, insert the red plug into the right channel.

Basic Connections

Connect stereo component to the amplifier using cables with RCA PIN plugs. Connect the output jacks on a tape deck to the jacks marked IN (PLAY) on the amplifier, and the input jacks to those marked OUT (REC).

NOTE: Any turntables incorporating a small-output cartridge such as an MC (moving-coil type) must be connected to this amplifier through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.



NOTE: If a ground cable is fitted to your turntable, connect the ground cable to the AM LOOP terminal marked GND. In this case, do not disconnect the AM LOOP wire from the GND terminal.

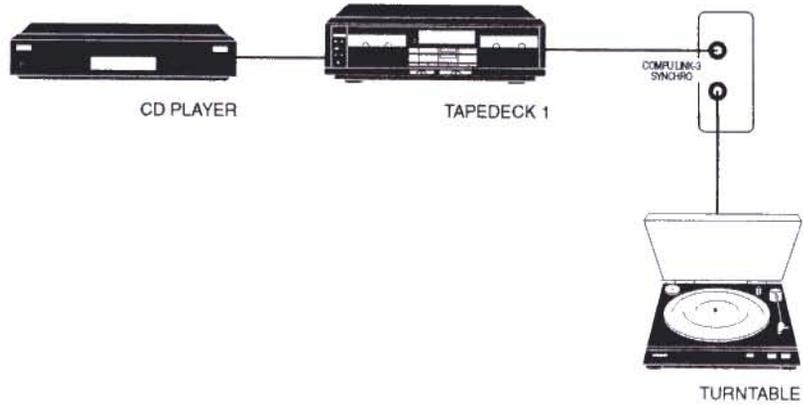
COMPU LINK-3 Connections

COMPU LINK-3 SYNCHRO jacks on the back of the receiver connect the COMPU LINK remote control system. This system connects other JVC audio components with the receiver to make listening and recording more convenient. To use this system, attach the cables provided with your JVC components to the COMPU LINK-3 SYNCHRO jacks on the rear panel of each component. Then connect the cables to the receiver.

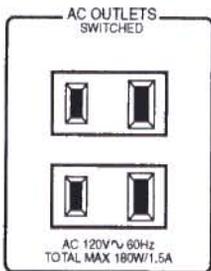
NOTES:

- *COMPU LINK-3 is an upgraded version of COMPU LINK-1. If your equipment provides COMPU LINK-1 jacks, you can still connect your equipment, but slight imperfections may result. Automatic Power ON/OFF, for example, may not always function properly.*
- *Refer to page 17 for details about the COMPU LINK remote control system.*

⚠ CAUTION! Do not connect Tape Deck 2 to the COMPU LINK jacks. It may cause the COMPU LINK system to malfunction.



Other Audio Connections



Use the socket on the back of the receiver to connect the power supply of any audio components. By pressing the POWER switch on the remote control, you can turn the receiver, and all connected components, on or off at the same time.

⚠ CAUTION! Do not connect any components that consume more power than the capacity of the AC outlets. This capacity is indicated below the socket on the back of the receiver.

Connecting Speakers

Before Starting

Up to four speakers (two sets) can be connected to the receiver. Connecting four speakers will allow you to use the built-in Surround feature.

Connecting Speakers

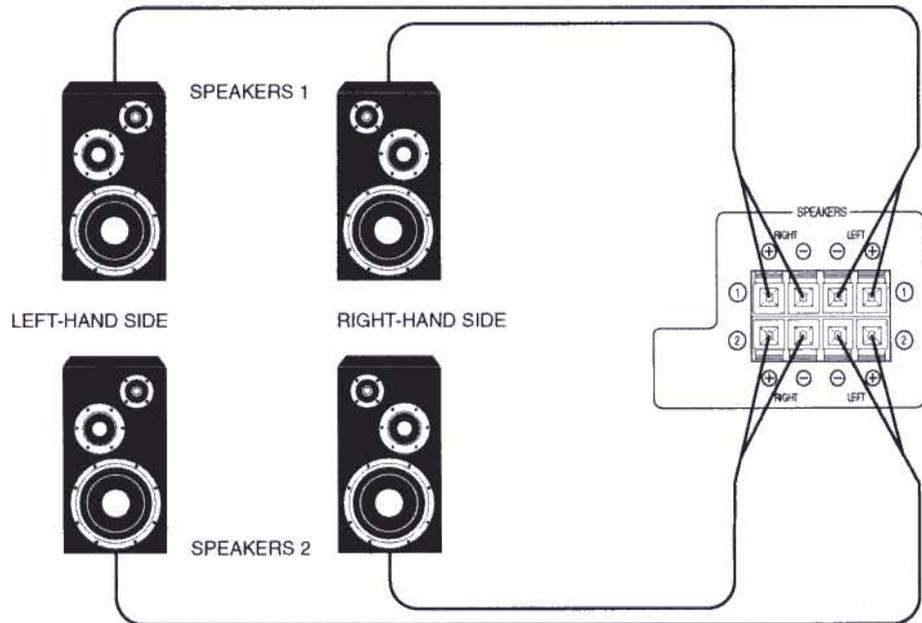
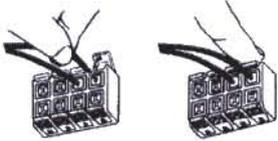
Connect speakers to the SPEAKERS terminals on the back of the receiver. Use the wire supplied with the speakers.

To connect each speaker, follow these steps:

Step 1 Open each terminal on the back of the receiver and insert the end of the speaker wire, as shown.

Step 2 Close the terminals to clamp the speaker wires in place, as shown.

⚠ **CAUTION!** Use speakers with the same speaker impedance indicated by the speaker terminals on the back of this unit.



Connecting an AM Antenna

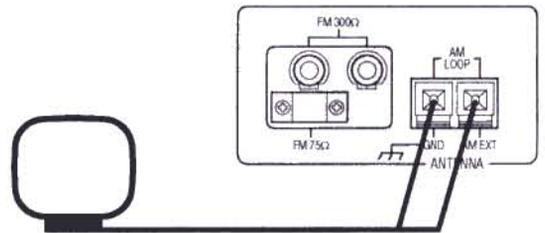
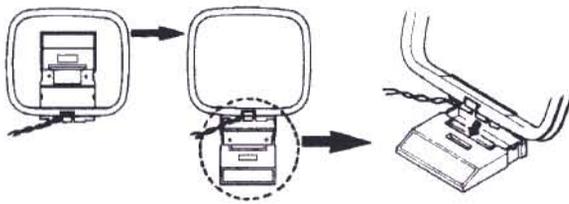
Before Starting

One AM loop antenna is supplied with your receiver.

Basic Connections

To connect the AM loop antenna to the AM LOOP terminals, follow these steps:

- Step 1** Open each terminal and insert one of the two ends of the AM antenna wire.
- Step 2** Close the terminals to clamp the antenna wires in place.
- Step 3** Stand the AM loop antenna on its own base, as shown. Set it on any flat surface.



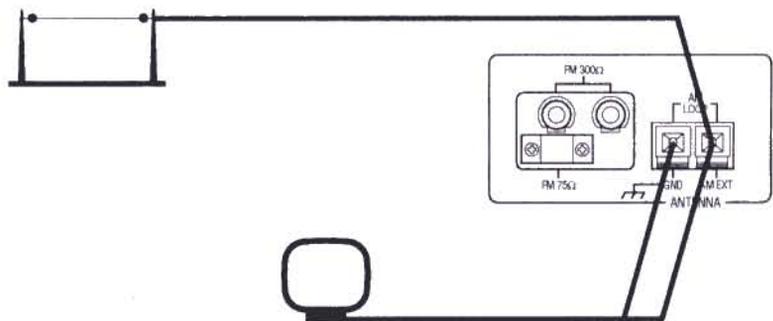
AM Outdoor Antenna

If your AM broadcast reception is unsatisfactory, you should connect an AM outdoor antenna in addition to the loop antenna. The antenna wire should be 16 to 40 feet (5 to 13 meters) long.

Connect one end of the outdoor single vinyl-covered antenna wire to the AM LOOP terminal marked AM EXT.

IMPORTANT! The AM loop antenna must be installed to receive AM broadcasts. Do not disconnect the loop antenna when installing an outdoor antenna.

IMPORTANT! Except for the connection, make sure no uninsulated antenna wire touches the rear panel of the receiver. Otherwise, the receiver might not pick up AM broadcasts.



Connecting an FM Antenna

Before Starting

A temporary FM antenna and cable is supplied with your receiver. If reception with this antenna is not satisfactory, you may consider purchasing a 300-ohm feeder-cable antenna or a 75-ohm coaxial-cable antenna:

⚠ CAUTION! Before connecting the new FM antenna, disconnect any other FM antenna.

Connecting the Temporary FM Antenna

To connect the supplied antenna, follow these steps:

- Step 1** Loosen the cap on the 300/75-ohm terminal on the back of the receiver.
- Step 2** Loosen the cap on the 300-ohm terminal on the back of the receiver.
- Step 3** Connect the antenna by inserting one wire behind each cap.
- Step 4** Tighten the caps on both terminals.



Connecting a 300-Ohm FM Antenna

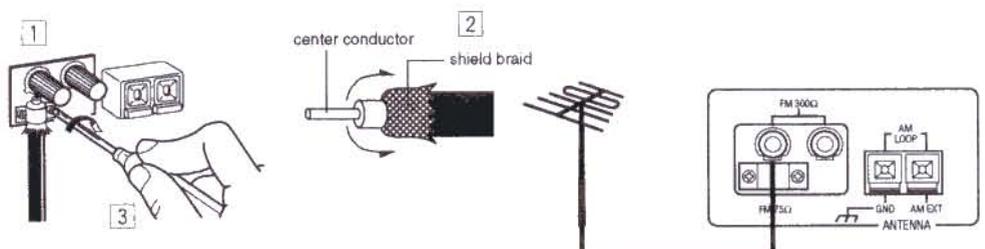
To connect a 300-ohm feeder-cable antenna, use the same steps as for the temporary FM antenna.

Connecting a 75-Ohm FM Antenna

To connect a 75-ohm coaxial-cable antenna, follow these steps.

- Step 1** Unscrew the cap and bracket screw on the 300/75-ohm terminal. Insert the round antenna cable from below.
- Step 2** Make sure the shield braid on the cable contacts the bracket, and the center conductor of the cable contacts the 300/75-ohm terminal.
- Step 3** Tighten the bracket screws and the cap on the 300/75-ohm terminal.

IMPORTANT! Make sure the antenna conductors do not touch any other terminals on the receiver. This could cause poor reception.



Connecting the Power

Connecting the Power Supply

After checking all connections, insert the power cord plug into an outlet.

When the power supply is connected correctly, the POWER STANDBY indicator lights on the front of the receiver. A small amount of power (3 watts) is consumed under these conditions, even if the receiver is turned off. To shut off the power completely, unplug the power cord from the outlet.

⚠ CAUTION!

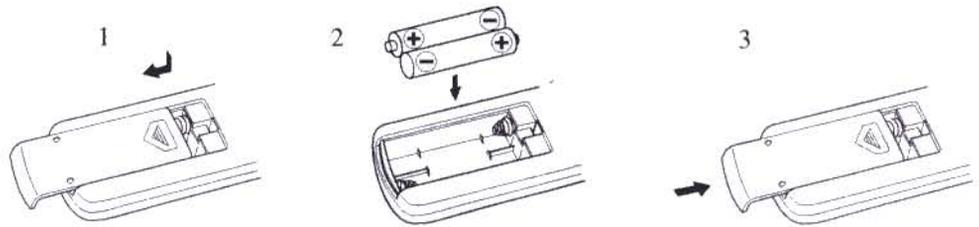
- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grasp the plug directly so as not to damage the cord.
- Do not plug the power cord into a socket until all components are connected correctly.

IMPORTANT! If the power cord is disconnected or a power failure occurs, the receiver settings in memory are retained for 2 or 3 days.

Inserting Batteries into the Remote Control

The remote control requires two batteries (supplied). To insert batteries, follow these steps:

- Step 1** On the back side of the remote control, press down on the battery cover and slide it out.
- Step 2** Insert batteries. Make sure to observe the proper polarity: (+) to (+) and (-) to (-).
- Step 3** Slide the cover in.



Replacing Batteries

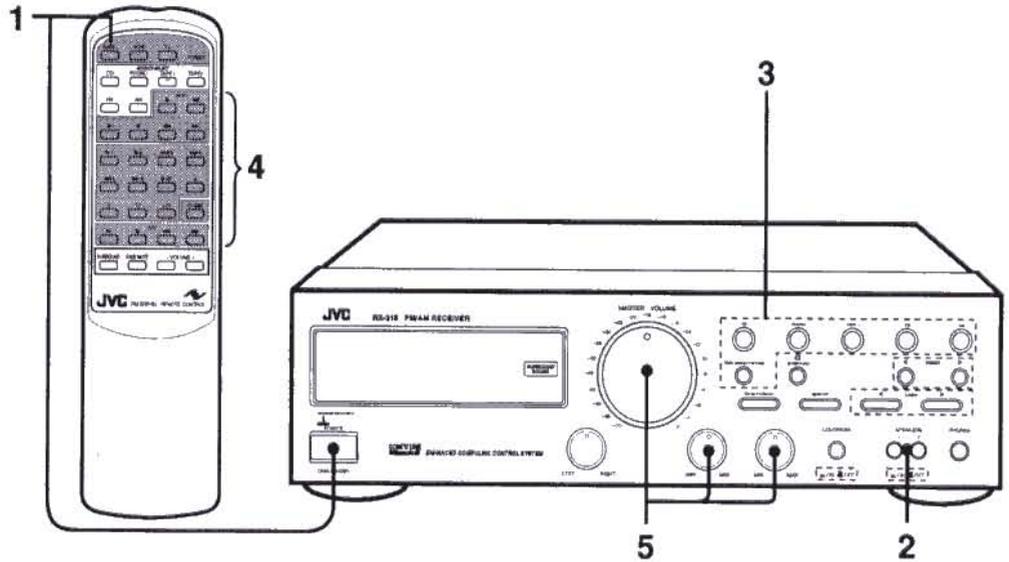
If the range or effectiveness of the remote control decreases, replace the batteries. Use two (2) dry-cell batteries of the R6P (SUM-3)/AA (15F) type.

⚠ CAUTION! Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity indicated (+) to (+) and (-) to (-).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Operation Outline

Basic Operation Reference



1 Turn on the power

Push the POWER switch to turn on the receiver. The display lights:



NOTE: Pushing the POWER switch again turns off the power and lights the STANDBY light. A small amount of power (3 watts) is consumed and the STANDBY indicator is lit in the standby mode. To turn the power off completely, disconnect the power cord from the wall outlet.

2 Select speakers (page 15)

Use the SPEAKERS switch to choose between the two sets of speakers. To use your headphones, insert the headphone plug into the PHONES jack on the receiver.

3 Choose an audio source (page 12)

To choose an audio source, press one of the SOURCE SELECT buttons on the receiver or select one of the components on the remote control.



4 Operate the audio source (pages 17-19)

Refer to the manual provided with each component. If your JVC components are connected to the COMPU LINK jack of the receiver, you can operate them using the remote control.

5 Adjust volume and tone (pages 15-16)

Rotate the MASTER VOLUME control on the receiver or press the VOLUME button on the remote control to adjust volume. See page 15 for other ways to change the volume or tone.

Selecting the Audio Source

The receiver can receive input from compact discs, cassette tapes, turntables, or any audio source that you connect. You can select a source for either listening or recording.

Listening

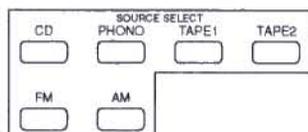


Press one of the SOURCE buttons on the receiver or the remote control.

CD*	Listen to the CD player.
PHONO*	Listen to a record.
TAPE 1*	Listen to the tape deck connected to the TAPE 1 jacks.
TAPE 2/ VIDEO SOUND	Listen to the tape deck connected to the TAPE 2 jacks.
FM*	Listen to an FM broadcast.
AM*	Listen to an AM broadcast.

IMPORTANT! The TAPE 2/VIDEO SOUND button has a different function from other source selector buttons, because it allows you to monitor the quality of the recording. For more details, see Monitoring below.

NOTE: On the remote, when you press one of the SOURCE buttons marked above with an asterisk, the receiver automatically turns ON (even if it was OFF before).



Recording



The source being played is automatically selected as the source to be recorded. While recording, you can listen to the selected source at any desired volume and tone settings.

NOTE: Volume and Tone adjustments and the surround sound effect do not affect recording.

IMPORTANT! When recording from TAPE 2 to TAPE 1, press the TAPE 2/VIDEO SOUND button and another button other than TAPE 1.

Monitoring

Using the Monitor feature, you can compare the sound quality of the source to the sound quality of the recording being made.

To use the Monitor feature while recording onto a cassette deck connected to the TAPE 2 jacks, follow these steps:

Step 1 Press the TAPE 2/VIDEO SOUND button.

The "TAPE 2 MONITOR" light appears and you can listen to the sound of the cassette deck connected to the TAPE 2 jacks. You are now hearing the quality of the recording, not the quality of the source.

Step 2 Press the TAPE 2/VIDEO SOUND button again.

This turns off the "TAPE 2 MONITOR" light, and the speakers play the previously selected source.

NOTE: If the cassette deck has three heads, you can hear the sound of the recording at the same time as it records on the tape.

Receiving an AM/FM Broadcast

To receive an AM/FM broadcast, select either AM or FM using the AM button or FM button. Then tune to the precise frequency using the TUNING buttons.

Tuning



Tune to the frequency of a desired station using the TUNING buttons. Pressing the right button increases the frequency, and pressing the left button decreases the frequency. Tapping the TUNING button once changes the frequency in steps of 10 kHz for AM and 0.1 MHz for FM.

There are two tuning modes: Manual and Automatic.

Manual Tuning

If you know the frequency of a desired station, hold down the TUNING button to start the frequency changing quickly. Release the TUNING button near the desired station and tap it repeatedly until you arrive at the correct frequency.

Automatic Tuning

If you want to scan frequencies for a desired station, hold down the TUNING button to start the frequency changing quickly. When you release the TUNING button, the frequency continues to change until it reaches a station.

When a station is correctly tuned, the “TUNED” light appears on the display window.

Once a tuned frequency is preset, it can be directly recalled using the TUNER buttons. For details, see page 14.

NOTE: When you use automatic tuning, weak stations are ignored. To pick up weak stations, use manual tuning.

IMPORTANT! If the receiver is tuned to a station but the “TUNED” light does not appear, try rotating the antenna for better reception.



Selecting an FM Reception Mode

Pressing the FM MODE/MUTE switch switches between these modes.

The “MUTE-AUTO” light appears on the display window. You hear either stereo sound or monaural sound, depending on the broadcast. If it is a stereo broadcast, the “STEREO” light appears. This mode is also useful for suppressing static “noise” between stations.

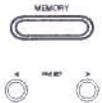
The “MUTE-AUTO” light disappears. You hear monaural sound even if a broadcast is in stereo. This mode is also useful when a stereo broadcast is noisy because of a weak signal.

NOTE: Using the Automatic Tuning mode, the sound of a broadcast with a weak signal may be muted. In this case, select the monaural mode.

Presetting Tuned Frequencies

You can preset up to total 40 FM/AM radio stations by assigning channel numbers (1 through 40) to them. Once a station is preset, you can listen to it by entering the preset number using the PRESET buttons on the receiver, or the numeric buttons of the remote.

Presetting



To use presetting to assign channel numbers to your favorite stations, follow these steps:

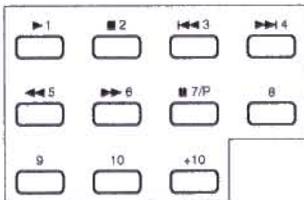
Step 1 Tune to a station. If necessary, follow the procedure on page 13.

Step 2 Press the MEMORY button.
The "MEMORY" light appears in the display window.

Step 3 Using the PRESET buttons, enter a number (1 through 40). This number is the channel number you are assigning to the station.

IMPORTANT! You must enter the channel number while the "MEMORY" light is on. You have about 5 seconds to do this. If the light disappears before you enter the channel number, press the MEMORY button again.

Step 4 While the preset channel number is flickering, press the memory button again. When the MEMORY light disappears and the channel number is displayed, presetting is completed.



To choose numbers from 1 through 40, press the +10 key and numeric button on the remote.

To choose 17	Press +10, then 7.
To choose 20	Press +10, then 10.
To choose 25	Press +10 twice, then 5.
To choose 40	Press +10 three times, then 10.

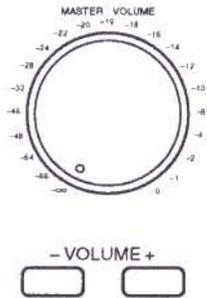
NOTE:

- You can also tune using the remote control. First press the AM or FM button on the remote, then enter the channel number using the numeric buttons on the remote.
- In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.

Adjusting the Volume and Tone

Adjusting the Volume

Using the MASTER VOLUME Control



Use the MASTER VOLUME control to adjust the volume from the left and right speakers. Rotating the dial to the right increases the volume. The volume from the speakers and the headphones increases simultaneously.

NOTE: Volume can also be adjusted using the remote control. Press the VOLUME button marked + to increase the volume, or the VOLUME button marked – to decrease the volume.

CAUTION: Listening to extremely loud sound may damage your hearing. Be especially careful when using headphones.

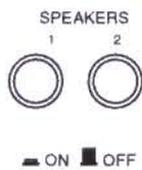
Muting the Sound



Press the FADE MUTE button on the remote control to decrease the volume easily when you receive a phone call or a visitor.

IMPORTANT! If you are listening at very high volume, you may need to press FADE MUTE a second or third time to reduce volume completely.

Selecting the Speakers



Pushing in SPEAKER button 1 or 2 activates that pair of speakers. Pressing either button again deactivates that pair of speakers. When the button is in, that pair is activated. You can listen to both pairs, pair 1, pair 2, or neither pair.

IMPORTANT! If only one set of speakers is connected, pressing "in" both speaker buttons will produce no sound.

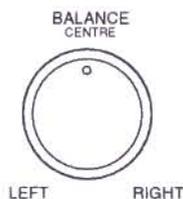
Listening to Headphones



Insert the headphone plug into the PHONES jack. To limit sound to the headphones (no sound from the speakers), press SPEAKER buttons 1 and 2 to deactivate all speakers.

CAUTION: To avoid hearing damage, turn the volume down before plugging in the headphones, then gradually increase the volume.

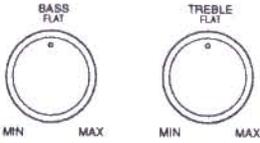
Adjusting the Left-Right Balance



Use the BALANCE control to adjust the balance between the left and right channels. Rotating the dial to the right decreases the left-channel volume, and rotating it to the left decreases the right-channel volume. The BALANCE control affects both sets of speakers and the headphones.

Adjusting the Tone

Adjusting Bass and Treble



Use the BASS control to adjust low pitches and the TREBLE control to adjust high pitches. Turn either control to the right for intensified pitch. Set both controls at the FLAT position for normal listening.

Enjoying the Surround Sound Effect



Press the SURROUND button to create this movie-theater effect. The SURROUND indicator lights. Press the SURROUND button again to deactivate the surround feature. The SURROUND indicator turns off.

IMPORTANT! The Surround feature has no effect on monaural (non-stereo) sources.

NOTE: Two set of speakers are recommended to produce an ideal surround effect, but you can use the feature with only one set of speakers connected.

Listening at Low Volume (*Loudness*)

LOUDNESS



■ ON ■ OFF

Human ears are not sensitive to bass at low volume. To compensate for this, the loudness function automatically boosts the bass level as you lower the volume.

To use the loudness function, press the LOUDNESS button.

To turn the function off, press the LOUDNESS button again.

Operating Audio Components

COMPU LINK Remote Control System



The COMPU LINK remote control system lets you operate the receiver and JVC components from the remote supplied with this receiver. Control signals for JVC audio components are preset in the receiver's remote control.

Connecting the COMPU LINK-3 SYNCHRO jacks on the back of the receiver will allow you to use the four functions below.

Remote Control

You can control all components via the REMOTE SENSOR on the receiver using the receiver's remote control. For details, see page 18.

IMPORTANT! Point the remote control directly at the REMOTE SENSOR on the receiver.

Automatic Source Selection

When you *press play* on a component or the remote, the component begins playing immediately. On the other hand, if you select a *new source* on the receiver or the remote, the component begins playing immediately, but the previously selected source continues playing without sound for a few seconds.

Synchronized Recording

Synchronized recording means the tape deck starts recording as soon as a CD or record begins playing.

To use synchronized recording, follow these steps:

Step 1 Put a tape in the deck, and a disc in the CD player or on the turntable.

Step 2 Press the REC and PAUSE button on the tape deck at the same time. This puts the tape deck in the REC/PAUSE state.

IMPORTANT! If you do not press the REC button and PAUSE button together, the synchronized recording feature will not operate.

Step 3 Press the PLAY button on the CD player or turntable.

As soon as the disc starts playing, the tape deck starts recording. When the disc ends, the tape deck switches back to the REC/PAUSE mode, and stops 4 seconds later.

NOTES:

- During synchronized recording, the CD or PHONO button is activated. Other SOURCE buttons are disabled to prevent recording failure.
- If your CD player is operated in the PROGRAM mode, a 4-second mute is recorded between tracks to enable the music scan feature of your tape deck to work.
- If the power of any component is shut off during synchronized recording, the system will not operate properly. In this case, you must start again with step 1.

Automatic Power ON/OFF

The CD player and cassette deck are turned on and off along with the receiver. When you turn on the receiver (using either the remote or the receiver's POWER switch), the CD player or cassette deck will turn on automatically, depending which component was previously selected.

NOTE: This function has been added to COMPU LINK-3 (Enhanced COMPU LINK), an upgraded version of COMPU LINK-1. Refer to your JVC component manual for details.

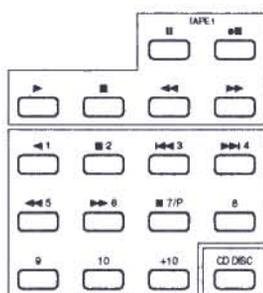
Using the Remote Control

By connecting the COMPU LINK jack to this receiver, you can operate the audio stereo component with this receiver's remote control. In addition, if your VCR is a JVC product, you can operate it with this receiver's remote control.

***NOTE:** The VCR does not work with the COMPU LINK remote control system. When you operate the VCR, you must aim the remote control at the VCR instead of the receiver.*

Operating the Component Already Selected

Select a source with the SOURCE SELECT buttons on the remote control. Operate that source using the buttons below the SOURCE SELECT buttons.

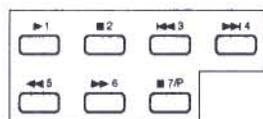


***IMPORTANT!** If you choose a source on the receiver directly, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using the remote control.*

***IMPORTANT!** When you select CD, TAPE 1, FM, AM or PHONO on the remote control, the component will turn on and start playing automatically.*

CD Player

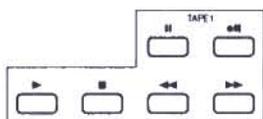
After pressing the CD button, you can perform the following operations on the remote:



- ▶ Starts playing
- ◀◀ Skips to the beginning of the previous track
- ▶▶ Skips to the beginning of the next track
- Stops playing
- || Stops playing temporarily. To release it, press ▶
- ◀◀ Moves backward quickly during play
- ▶▶ Moves forward quickly during play

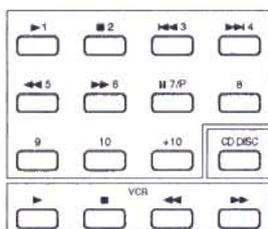
Cassette Deck

After pressing or not pressing the TAPE 1 button, you can perform the following operations on the remote:



- ▶ Starts playback
- Stops operation
- || Stops playback or recording temporarily. To release it, press ▶
- ◀◀ Fast wind the tape from right to left
- ▶▶ Fast wind the tape from left to right
- || Enter record-standby mode

Operating the Component Not Currently Selected



When you want to operate one component while listening to another component (e.g., recording from a CD), use the buttons in the CONTROL section of the remote control. The CONTROL buttons allow you to use the operation buttons for the new component without affecting the component already playing.

VCR

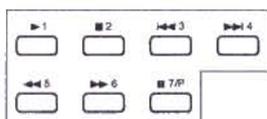


- ▶ Starts playback
- Stops operation
- ◀◀ Rewinds video tape
- ▶▶ Fast winds video tape

NOTE: You can also turn the VCR and TV on and off by pressing the VCR or TV button in the POWER section of the remote control.

IMPORTANT! Aim the remote control at the VCR or TV, not at the receiver.

CD Player-Changer



After pressing the CD DISC button in the CONTROL section of the remote, you can perform the following operations on the remote:

- 1-6, P** Select the number of the disk installed in the CD player-changer. Then continue to operate the CD player as shown on page 18.

Troubleshooting

Use this chart to help you solve everyday operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Display window does not light up	Power cord not plugged in	Plug power cord into AC socket
No sound from speakers	Speaker wires not connected	Check speaker wiring and reconnect if necessary
	SPEAKERS buttons not set correctly	Push the SPEAKERS buttons in or out as desired
	Incorrect SOURCE button was pressed	Select the correct audio source
Sound from one speaker only	Speaker wires not connected properly	Check speaker wiring and reconnect if necessary
	Balance control is set to one extreme	Adjust BALANCE control so that both speakers have sound
Continuous hiss or buzzing during FM reception	Incoming signal is too weak	Adjust antenna
	Station is too far away	Select a new station
	Incorrect antenna used	Check with your dealer to be sure you have the correct antenna
	Antenna not connected properly	Check connections
Occasional cracking noise during FM reception	Ignition noise from automobiles	Move the antenna farther from automobile traffic
Howling during record playing	Turntable too close to speaker	Move speakers away from turntable
Remote control does not work	There is an obstruction in front of the REMOTE SENSOR on the receiver	Remove the obstruction
	Batteries are weak	Replace batteries

Specifications

Amplifier

Output Power

110 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.9% total harmonic distortion.

Total Harmonic Distortion (8 ohms, 1 kHz)

0.08%* at 90 watts output

Frequency Response (8 ohms)

PHONO

20 Hz to 20 kHz (± 1 dB)

CD / TAPE 1 / TAPE 2

20 Hz to 20 kHz (± 1 dB)

Signal-to-Noise Ratio ('66 IHF / '78 IHF)

PHONO

70 dB / 78 dB (REC OUT)

CD / TAPE 1 / TAPE 2

91 dB / 80 dB

RIAA Phono Equalization

± 1 dB (20 Hz to 20 kHz)

Input Sensitivity / Impedance (1 kHz)

PHONO

2.5 mV / 47 k ohms

CD / TAPE 1 / TAPE 2

200 mV / 47 k ohms

Output Level

TAPE 1 / TAPE 2

200 mV

Tone Control Range

BASS (at 100 Hz) ± 8 dB

TREBLE (at 10 kHz) ± 8 dB

Loudness Control

+4.5 dB (at 100 Hz)

(Volume control at -30 dB)

FM Tuner (IHF)

Tuning Range

87.5 MHz to 108.0 MHz

Usable Sensitivity

10.8 dBf (0.95 μ V / 75 ohms)

50 dB Quieting Sensitivity

Monaural

16.3 dBf (1.8 μ V / 75 ohms)

Stereo

38.3 dBf (22.5 μ V / 75 ohms)

Signal-to-Noise Ratio (IHF-A weighted)

Monaural

80 dB at 85 dBf

Stereo

73 dB at 85 dBf

Total Harmonic Distortion

Monaural

0.15 % at 1 kHz

Stereo

0.2 % at 1 kHz

Stereo Separation at REC OUT

40 dB at 1 kHz

	Capture Ratio	1.5 dB (10 mV / 300 ohms)
	Alternate Channel Selectivity	60 dB: (\pm 400 kHz)
	Frequency Response	30 Hz to 15 kHz: (+0.5 dB, -3 dB)
AM Tuner	Tuning Range	530 kHz to 1,710 kHz
	Usable Sensitivity	
	Loop antenna	300 μ V/m at 1,000 kHz
	External antenna	30 μ V at 1,000 kHz
	Signal-to-Noise Ratio	50 dB (100mV / m, at 1,000 kHz)
General	Power Requirements	AC 120V \sim , 60 Hz
	Power Consumption	220 watts, 310 VA 3 watts (at standby mode)
	Dimensions (W x H x D)	17 ³ / ₁₆ x 5 x 14 ¹ / ₁₆ inches 435 x 126 x 356 mm
	Mass	18.5 lbs 8.4 kg

*Measured by JVC Audio Analysis System.

Supplied Accessories

Remote control unit (RM-SR318U)	1
Batteries R6P (SUM-3)/AA (15F)	2
FM feeder antenna	1
AM loop antenna	1

Designs and specifications subject to change without notice.

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE : 1-800-537-5722

Dear customer:

In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, Call 1-800-537-5722 for your authorized servicer. Remember to retain you Bill of Sale for Warranty Service.

—JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF US JVC CORP.

FACTORY SERVICE CENTER LOCATIONS

107 Little Falls Road
Fairfield, NJ 07004-2105
(201) 808-9279

1500 Lakes Parkway
Lawrenceville, GA 30243-5357
(404) 339-2522

705 Enterprise Street
Aurora, IL 60504-8149
(708) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

10700 Hammerly, Suite 110
Houston, TX 77043
(713) 935-9331

230 Eliot Street
Ashland, MA 0172-2377
(508) 881-5923

14505 Commerce Way
Miami Lakes, FL 33016-1512
(305) 362-6252

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(415) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF US JVC CORP.
107 Little Falls Road
Fairfield, NJ 07004-2105

If you ship the product •••

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside.
Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer.
Or from the 48 Continental United States call toll free : 800-882-2345



LIMITED WARRANTY AUDIO-2

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period.")

PARTS	LABOR
2 YRS	2 YRS

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY(50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800)537-5722. If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus and letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number. If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus(Needle) are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except the Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty last, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.

41 Slater Drive
Elmwood Park, New Jersey 07407

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.: _____

Serial No.: _____

Purchase date: _____

Name of dealer: _____