JVC H57483

JVC SEA-80 Graphic Equalizer Instruction Manual

Model: H57483

Introduction

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your JVC SEA-80 Graphic Equalizer. The SEA-80 is designed to enhance your audio experience by allowing precise control over the frequency response of your sound system. Please read this manual thoroughly before using the unit to ensure optimal performance and longevity.

Safety Information

Always observe the following safety precautions to prevent electric shock, fire, or damage to the unit:

- Do not expose the unit to rain or moisture.
- Do not open the casing; refer all servicing to qualified personnel.
- Ensure proper ventilation; do not block ventilation openings.
- Use only the specified power supply voltage.
- Disconnect the power cord from the outlet if the unit will not be used for an extended period.

Product Overview and Controls

The JVC SEA-80 features a 10-band graphic equalizer for each stereo channel, allowing fine-tuning of audio frequencies. It also includes a spectrum analyzer display for visual feedback of the audio signal.



Figure 1: Front view of the JVC SEA-80 Graphic Equalizer, showing the main controls and display.

Front Panel Controls:

- **Power Switch:** Turns the unit on or off.
- **Left/Right Channel Sliders:** Ten sliders per channel (31.5Hz to 16kHz) to adjust frequency levels.
- **Spectrum Analyzer Display:** Visual representation of audio frequency levels.
- **Graphic Display Mode:** Selects display mode for the spectrum analyzer.
- **Memory Buttons:** Store and recall equalizer settings.
- **SEA REC Switch:** Engages the equalizer effect for recording.
- **Tape Monitor Switch:** Monitors the signal from a connected tape deck.
- **Pink Noise Switch:** Generates pink noise for room equalization.
- **Microphone Input (MIC):** For connecting a microphone.
- **MIC Level Control:** Adjusts microphone input level.



Figure 2: Detail of the right channel frequency adjustment sliders, ranging from 31.5Hz to 16kHz.



Figure 3: Detail of the left channel frequency adjustment sliders and the microphone input jack.

Setup and Connections

Proper connection of the SEA-80 to your audio system is crucial for optimal performance. Ensure all components are powered off before making connections.



Figure 4: Rear panel connections, including Input, Output, Tape (Rec/Play), and DIN ports.

Connecting to an Amplifier/Receiver:

1. Connect the "LINE OUT" jacks of your amplifier/receiver to the "INPUT" jacks (Left and Right) on the rear panel of the SEA-80 using RCA cables.
2. Connect the "OUTPUT" jacks (Left and Right) on the rear panel of the SEA-80 to the "LINE IN" or "TAPE IN" jacks of your amplifier/receiver using RCA cables.
3. If using a tape deck, connect the "TAPE REC" jacks of the SEA-80 to the "REC IN" jacks of your tape deck.
4. Connect the "TAPE PLAY" jacks of the SEA-80 to the "PLAY OUT" jacks of your tape deck.
5. For DIN connections, use the appropriate DIN cable between the SEA-80 and compatible equipment.
6. Connect the power cord to an AC outlet.

Operating Instructions

Basic Equalization:

1. Power on your audio system and the JVC SEA-80.
2. Play an audio source.
3. Adjust the individual frequency sliders for the Left and Right channels to shape the sound to your preference. Moving a slider up boosts that frequency, while moving it down cuts it.
4. Observe the spectrum analyzer display for visual feedback of the frequency response.

Using the Spectrum Analyzer:

The spectrum analyzer provides a real-time visual representation of the audio signal's frequency content. Use the "GRAPHIC DISPLAY MODE" switch to select different display options, such as peak hold or average.

Memory Function:

The SEA-80 allows you to store and recall your favorite equalization settings. Refer to the specific memory button labels on the front panel for saving and loading presets.

Pink Noise Generation:

The built-in pink noise generator can be used in conjunction with the spectrum analyzer to help flatten the frequency response of your listening room. Activate the "PINK NOISE" switch and adjust the sliders until the display shows a relatively flat response.

Recording with Equalization (SEA REC):

To apply the equalizer's effect to a recording, ensure the "SEA REC" switch is engaged. This will send the equalized signal to your recording device.

Maintenance

To ensure the longevity and optimal performance of your JVC SEA-80, follow these maintenance guidelines:

- **Cleaning:** Wipe the exterior with a soft, dry cloth. For stubborn stains, use a slightly damp cloth with a mild detergent, then wipe dry. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are clear of dust and obstructions.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store in a cool, dry place away from direct sunlight.

Troubleshooting

If you encounter issues with your JVC SEA-80, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cord disconnected; power switch off; blown fuse.	Check power cord connection; ensure power switch is ON; check and replace fuse if necessary (refer to fuse specifications on rear panel).
No sound or distorted sound	Incorrect cable connections; equalizer settings too extreme; source component issue.	Verify all RCA cable connections are secure and correct; reset equalizer sliders to flat (0dB); check if the audio source is working correctly.
Spectrum analyzer not displaying	No audio signal input; display mode incorrect.	Ensure audio is playing through the unit; check "GRAPHIC DISPLAY MODE" setting.

If the problem persists after trying these solutions, please contact JVC customer support or a qualified service technician.

Specifications

The following are general specifications for the JVC SEA-80 Graphic Equalizer. Specific performance characteristics may vary.

- **Model Number:** H57483
- **ASIN:** B01F2AMZ0K
- **Frequency Bands:** 10 bands per channel (e.g., 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz)
- **Equalization Range:** Typically ±10dB or ±12dB per band

- **Inputs:** Line In (RCA), Tape In (RCA), Microphone (1/4" Jack)
- **Outputs:** Line Out (RCA), Tape Out (RCA)
- **Additional Features:** Spectrum Analyzer, Pink Noise Generator, Memory Presets, Tape Monitor, SEA REC
- **Power Requirements:** Varies by region (e.g., 110V/120V/220V/240V AC)

Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official JVC website. Keep your purchase receipt as proof of purchase.
For technical support or service inquiries, please contact JVC customer service. Contact information can typically be found on the JVC official website or in the product packaging.

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