

Technics SH-GE 90

Technics SH-GE 90 24-Band Equalizer DSP Sound Field Processor

Model: SH-GE 90 | Brand: Technics

INTRODUCTION

The Technics SH-GE 90 is a sophisticated 24-band equalizer and Digital Sound Field Processor (DSP) designed to provide precise control over your audio environment. This unit allows for detailed sound customization, enhancing your listening experience by adapting audio output to your specific preferences and room acoustics. Its slim profile ensures seamless integration into any existing stereo system.

What's in the Box

- Technics SH-GE 90 Equalizer Unit
- Power Cord
- Remote Control
- User Manual (this document)



Front view of the Technics SH-GE 90 24-Band Equalizer, showcasing its display, equalizer sliders, and control knobs.

SETUP INSTRUCTIONS

Follow these steps to properly connect your Technics SH-GE 90 to your audio system.

1. **Placement:** Position the SH-GE 90 on a stable, level surface, away from direct sunlight, heat sources, or excessive moisture. Ensure adequate ventilation around the unit.
2. **Audio Connections:**
 - Connect the audio output from your source device (e.g., CD player, receiver's tape monitor output) to the **INPUT** jacks on the rear panel of the SH-GE 90.
 - Connect the **OUTPUT** jacks on the rear panel of the SH-GE 90 to the corresponding input on your amplifier or receiver (e.g., tape monitor input).
3. **Microphone Connections:** If using microphones, connect them to the dedicated microphone input jacks on the front or rear panel.
4. **Power Connection:** Ensure all audio connections are secure before connecting the power cord to the SH-GE 90 and then to a standard AC power outlet.
5. **Initial Power On:** Turn on your audio components in the following order: source device, SH-GE 90, then amplifier/receiver.

OPERATING INSTRUCTIONS

The SH-GE 90 offers various controls for sound customization.

Equalizer Adjustment

- **24-Band Control:** Use the individual sliders to adjust the gain (boost or cut) for each of the 24 frequency bands. This allows for precise shaping of the audio spectrum.
- **Frequency Response Display:** The unit features a spectrum analyzer display that visually represents the frequency response. Observe this display while making adjustments to understand the impact on the sound. There are typically three display types to choose from.
- **Preset Modes:** The SH-GE 90 may include several factory preset equalization curves (e.g., Rock, Pop, Jazz, Classical). Select these for quick sound adjustments.
- **User Memory:** You can typically store custom equalizer settings in user memory slots for recall. Refer to the on-screen menu or front panel controls for saving and loading presets.

DSP Sound Field Processing

Engage the DSP (Digital Sound Field Processor) function to simulate different acoustic environments, such as a concert hall, stadium, or club. Use the dedicated DSP controls to select and fine-tune these effects.

Microphone Input

The two microphone inputs feature level regulators. Adjust these controls to achieve the desired microphone volume without distortion.

Remote Control

The included remote control allows for convenient adjustment of most functions from a distance. Ensure the remote has fresh batteries and an unobstructed line of sight to the unit's IR receiver.

MAINTENANCE

Proper care will ensure the longevity and optimal performance of your SH-GE 90.

- **Cleaning:** Gently wipe the exterior surfaces with a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- **Ventilation:** Ensure that the ventilation openings on the unit are not blocked. Restricted airflow can lead to overheating and potential damage.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place, protected from dust.

TROUBLESHOOTING

If you encounter issues with your SH-GE 90, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet not active	Ensure power cord is securely plugged in; Check power outlet with another device.
No sound	Incorrect audio connections; Source device or amplifier not powered on; Volume too low	Verify all audio cables are correctly connected to INPUT/OUTPUT; Ensure all components are powered on and volume is adjusted.
Distorted sound	Input level too high; Equalizer settings extreme	Reduce the input level from the source device; Adjust equalizer sliders to a more moderate position.
Display not working	Display mode selected incorrectly; Unit malfunction	Cycle through display modes; If problem persists, contact support.

If the problem persists after trying these solutions, please contact customer support.

SPECIFICATIONS

Brand	Technics
Model Name	SH-GE 90
Product Type	24-Band Equalizer, DSP Sound Field Processor
Audio Output Mode	Stereo
Microphone Inputs	Two, with level regulators
Display Features	Spectrum analysis / Frequency response display (three types)
Control Method	Remote Control, Front Panel Controls
Power Source	Electric Cable
Material	Plastic (Chassis)
Color	Black

WARRANTY INFORMATION

The Technics SH-GE 90 comes with a limited warranty. Please refer to the separate warranty card or the full user manual included in the product packaging for detailed terms, conditions, and registration information. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this guide, or service inquiries, please contact Technics customer support. Visit the official Technics website for contact details, FAQs, and additional resources.

Online Resources: www.technics.com (This is a placeholder link, please refer to your product's official documentation for the correct support website.)