

BESIGN B06XQYN77L

BESIGN Ground Loop Noise Isolator User Manual

Model: B06XQYN77L

INTRODUCTION

The BESIGN Ground Loop Noise Isolator is designed to eliminate unwanted noise, such as hiss, buzz, and interference, caused by ground loops in audio systems. This often occurs when the audio source and the speaker system share the same power source, particularly in car audio or home stereo setups when using a Bluetooth receiver. By isolating the ground path, this device ensures a clean and clear audio experience.

This compact and portable device requires no external power or batteries. Simply plug it into your audio path to resolve ground loop noise issues.



Image: The BESIGN Ground Loop Noise Isolator, a compact black device with a 3.5mm jack.

SETUP AND INSTALLATION

The BESIGN Ground Loop Noise Isolator is designed for simple plug-and-play installation. It works with any device featuring a 3.5mm audio jack, including smartphones, tablets, MP3 players, and speakers. It can also be used effectively with Bluetooth receivers or hands-free car kits in both car audio and home stereo systems.

General Connection Diagram



Image: A diagram illustrating how to connect the ground loop noise isolator. An audio source (tablet/smartphone) connects via a 3.5mm cable to the isolator, which then connects to a speaker or car audio system.

1. Identify the audio path where you experience ground loop noise. This is typically between your audio source (e.g., smartphone, tablet, Bluetooth receiver) and your audio output system (e.g., car stereo, home speakers).
2. Disconnect the existing 3.5mm audio cable from either the audio source or the audio output system.
3. Connect one end of a 3.5mm audio cable (often included with the isolator) to the audio source (e.g., your phone's headphone jack or a Bluetooth receiver's output).
4. Connect the other end of this 3.5mm audio cable to one of the 3.5mm ports on the BESIGN Ground Loop Noise Isolator.
5. Connect a second 3.5mm audio cable from the other 3.5mm port on the BESIGN Ground Loop Noise Isolator to the audio input of your speaker system or car stereo.
6. Ensure all connections are secure.

Example: Car Audio System



Image: The ground loop noise isolator connected to a car's AUX input, with a visual representation of noise elimination.

In a car, connect your audio source (e.g., smartphone) to the isolator, and then connect the isolator to the car's AUX input. This setup helps eliminate engine whine or other electrical interference.



Image: The ground loop noise isolator connected between a Bluetooth receiver and a car's audio system.

If using a Bluetooth receiver in your car, connect the Bluetooth receiver's audio output to the isolator, and then connect the isolator to the car's AUX input.

Example: Home Stereo System



Image: The ground loop noise isolator connected between a wireless audio receiver and a home speaker.

For home stereo systems, especially when using a Bluetooth audio receiver, connect the receiver's audio output to the isolator, and then connect the isolator to the AUX input of your home stereo or powered speakers.

OPERATING INSTRUCTIONS

The BESIGN Ground Loop Noise Isolator operates automatically once connected. It requires no power, batteries, or manual controls. Simply ensure it is correctly installed in the audio path where noise is present, and it will begin to filter out ground loop interference.

- No power button or battery required.
- No software installation needed.
- Functions immediately upon proper connection.

MAINTENANCE

The BESIGN Ground Loop Noise Isolator is a passive device and requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device if it becomes dusty. Avoid using liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the device and its cables with care to prevent damage to the connectors or internal components.

TROUBLESHOOTING

If you continue to experience noise or audio issues after installing the ground loop noise isolator, consider the following troubleshooting steps:

1. **Check all connections:** Ensure that all 3.5mm audio cables are securely plugged into their respective ports on the audio source, the isolator, and the audio output system. Loose connections can cause intermittent noise or no audio.
2. **Verify correct placement:** The isolator should be placed directly in the audio signal path where the ground loop is suspected. For example, between your phone and car AUX input, or between a Bluetooth receiver and home stereo.
3. **Test without the isolator:** Temporarily remove the isolator and connect your audio system directly. If the noise persists, the issue may not be a ground loop, but rather a faulty cable, audio source, or speaker system.
4. **Isolate the noise source:** Try connecting different audio sources or output devices to determine if the noise originates from a specific component.
5. **Check power sources:** Ensure that all connected devices (audio source, amplifier, speakers) are properly grounded and receiving stable power.

If the noise is not a hum or buzz that changes with engine RPM (in a car) or a constant hum from a home stereo, it might not be a ground loop. The isolator is specifically designed for ground loop noise.

SPECIFICATIONS

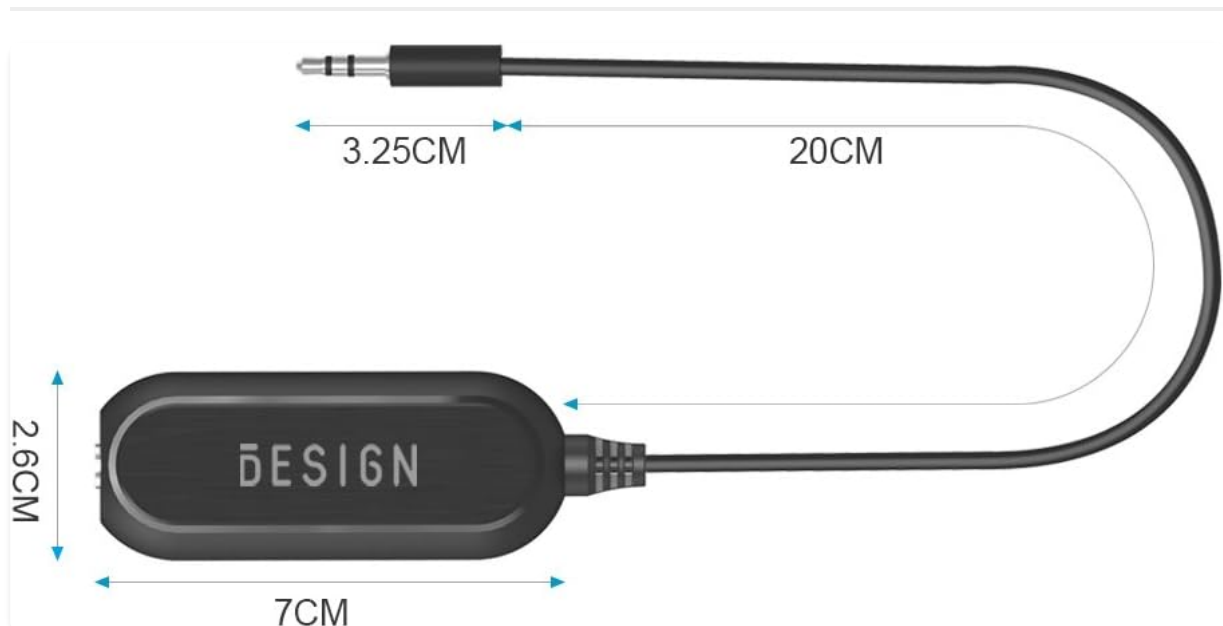


Image: Dimensions of the BESIGN Ground Loop Noise Isolator, showing a length of 7cm, width of 2.6cm, and a 20cm cable with a 3.25cm jack.

Feature	Detail
Special Feature	Ground Loop Noise Isolator
Brand	BESIGN
Connectivity Technology	3.5mm Aux jack
Power Source	No Power required
Material	Plastic
Dimensions (approx.)	Main body: 7cm (L) x 2.6cm (W); Cable length: 20cm

WARRANTY AND SUPPORT

For product support, warranty information, or any inquiries regarding your BESIGN Ground Loop Noise Isolator, please refer to the retailer's return policy or contact BESIGN customer service directly.

You can often find additional support resources and contact information on the official BESIGN brand store page: [BESIGN Brand Store](#).