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› GE Indoor HD Digital TV Antenna Amplifier (Model 42178) User Manual

GE 42178

GE Indoor HD Digital TV Antenna Amplifier User Manual

Model: 42178

1. INTRODUCTION

The GE Indoor HD Digital TV Antenna Amplifier (Model 42178) is designed to enhance your television viewing experience by strengthening the signal received from your indoor passive antenna. Featuring PureAmp™ Technology and a built-in 4G/5G LTE filter, this amplifier blocks unwanted cellular interference while boosting VHF and UHF broadcast signals. It supports full 1080p and 4K Ultra HD content and is compatible with NEXTGEN TV (ATSC 3.0), ensuring high-quality picture and sound. This amplifier is universally compatible with all TV and antenna brands and is powered by an included AC adapter.



Figure 1: GE Indoor HD Digital TV Antenna Amplifier (Model 42178)

Key Features:

- **Universal Compatibility:** Works with all TV and antenna brands, supporting 1080p and 4K Ultra HD.
- **PureAmp™ Technology:** Built-in 4G/5G LTE filter blocks cellular interference and amplifies VHF/UHF signals.
- **Signal Booster:** Low-noise amplification compensates for cable loss and minimizes reception dropouts.
- **NEXTGEN TV (ATSC 3.0) Compatible:** Ready for the latest broadcast standard with superior picture and sound.

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Video 1: How to improve your TV Antenna's reception - Amplifier. This video explains how an amplifier can boost your antenna's signal.

2. SETUP AND INSTALLATION

What's in the Box:

- GE Indoor HD Digital TV Antenna Amplifier (Model 42178)
- AC Power Adapter



Figure 2: Amplifier and AC Power Adapter included.

Installation Steps:

1. **Connect Antenna to Amplifier:** Connect your indoor passive antenna's coaxial cable to the 'ANTENNA' port on the amplifier. The amplifier features twist-on connectors for easy, tool-free installation.

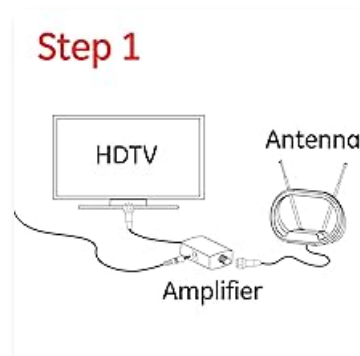


Figure 3: Step 1 - Connect your TV antenna to the amplifier.

2. **Connect Amplifier to TV:** Connect the coaxial cable from the 'TV' port of the amplifier directly to the antenna input on your television.
3. **Connect AC Adapter:** Plug the included AC power adapter into the amplifier's power input, then plug the adapter

into a standard electrical outlet.

4. **Perform Channel Scan:** After connecting the amplifier, you **must** perform a channel scan on your television. Access your TV's menu, navigate to 'Settings' or 'Channel Setup', and select 'Auto Program' or 'Channel Scan'. This will allow your TV to detect the newly strengthened signals.



Figure 4: Perform a channel scan after installation.

Antenna Placement Tips:

- For optimal reception, place your indoor antenna as high as possible or near a window.
- Ensure the antenna faces the direction of the broadcast towers whose signals you wish to strengthen.
- Avoid placing the antenna behind your TV or inside a cabinet, as this can block signals.

3. OPERATING THE AMPLIFIER

Once installed, the GE Indoor HD Digital TV Antenna Amplifier works automatically to boost the signals received by your passive antenna. The PureAmp™ Technology continuously filters out 4G/5G LTE cellular interference, providing a cleaner signal for your TV. This results in clearer, more stable reception for your favorite over-the-air channels, reducing pixelation and signal dropouts.



Figure 5: Visual comparison of TV reception with and without the amplifier.

Important Considerations:

- The number of channels and reception quality can vary based on your distance from broadcast towers, antenna position, and obstacles like hills, buildings, and trees.
- Always perform a channel scan on your TV after adding or removing the amplifier, or whenever you reposition your antenna.
- An amplifier should only be added to a passive, unamplified antenna. Adding an amplifier to an already amplified

antenna can lead to over-amplification and worsen reception.

- If you live very close to broadcast towers, it's possible to over-amplify the signal, which can also degrade reception. In rare cases, over-amplification can occur, leading to signal distortion. If this is suspected, try removing the amplifier to see if reception improves.

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Video 2: GE Indoor TV Antenna Amplifier - Overview Features. This video provides a brief overview of the amplifier's features and benefits.

4. MAINTENANCE

The GE Indoor HD Digital TV Antenna Amplifier requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the amplifier in a dry environment, away from moisture and extreme temperatures.
- Clean the exterior of the amplifier with a soft, dry cloth as needed. Do not use harsh chemicals or abrasive cleaners.
- Ensure all cable connections remain secure. Loose connections can lead to signal degradation.

5. TROUBLESHOOTING

If you experience issues with your TV reception after installing the amplifier, consider the following:

- **No Signal or Weak Signal:**

- Ensure all coaxial cables are securely connected to the antenna, amplifier, and TV.
- Verify the AC power adapter is properly plugged into the amplifier and a working electrical outlet.
- Reposition your antenna. Try moving it higher, closer to a window, or facing a different direction towards broadcast towers.
- Perform a new channel scan on your TV after any adjustments to the antenna's position.
- Avoid placing the antenna behind large electronic devices (like the TV itself) or inside enclosed cabinets, as these can block signals.

- **Pixelated or Intermittent Channels:**

- This amplifier is designed to reduce pixelation caused by low-strength signals. If pixelation persists, try repositioning your antenna and performing a channel scan.
- Consider if you are too close to a broadcast tower. In rare cases, over-amplification can occur, leading to signal distortion. If this is suspected, try removing the amplifier to see if reception improves.

- **Missing Channels:**

- Always perform a channel scan after installation or repositioning the antenna.
- The amplifier boosts existing signals; it does not create new ones. The number of channels received depends on your location and antenna's ability to pick up signals from broadcast towers.

6. SPECIFICATIONS

Brand	GE
Model Number	42178
Product Dimensions (L x W x H)	2.75" x 1.5" x 0.75"
Color	Black
Impedance	75 Ohms
Compatibility	1080p, 4K Ultra HD, NEXTGEN TV (ATSC 3.0), VHF, UHF
Built-In Media	Amplifier
Power Source Type	Corded Electric (AC Adapter included)
Manufacturer	Jasco Products Company, LLC

7. WARRANTY AND SUPPORT

Warranty:

This GE Indoor HD Digital TV Antenna Amplifier is backed by **alimited-lifetime replacement pledge**. Please refer to the product packaging or contact customer support for full warranty details.

Technical Support:

For any questions or issues regarding your purchase, free U.S.-based technical support is available. You can reach the experts at:

Phone: 1-800-654-8483

Hours: Monday - Friday, 7 AM - 8 PM Central Time

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question