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Philips SDW1520/27

Philips LTE Filter for TV Antenna User Manual

Model: SDW1520/27

INTRODUCTION

The Philips LTE Filter is designed to enhance your TV antenna's performance by effectively blocking unwanted 4G/5G LTE cell phone and transmitter frequencies. These frequencies can cause significant interference, leading to intermittent channel loss, pixilation, and overall disruption of your over-the-air digital HD TV reception. This compact filter utilizes TruAmp™ Technology to ensure that only the desired 5-608MHz frequencies pass through, providing consistently clear and pure reception. This manual will guide you through the installation, operation, and maintenance of your Philips LTE Filter.

KEY FEATURES

- **Filters 4G/5G LTE Signal Noise:** TruAmp™ Technology blocks unwanted 4G/5G LTE cell phone and transmitter frequencies that can cause intermittent channel loss, pixilation, and overall reception disruption while allowing lower 5-608MHz frequencies to pass through.
- **Wide Compatibility:** Designed to work with any TV, amplified TV antenna, coax cable, or coax cable splitter. Especially helpful in metropolitan and suburban areas with high numbers of cell towers and mobile device users.
- **Easy Installation:** Features an F-type coax cable jack and port for simple in-line installation with your existing antenna setup. No hardware or external power supply is needed.
- **Weatherproof Design:** Built to withstand the elements, making it suitable for both indoor and outdoor antenna installations.
- **Reliable Support:** Backed by a limited-lifetime replacement pledge and free U.S.-based technical support.

PRODUCT OVERVIEW

A visual guide to the Philips LTE Filter, highlighting its design and key components.



The Philips LTE/5G Filter (Model SDW1520/27) is a compact device designed to improve TV antenna reception. It features F-type connectors for easy integration into your coaxial cable line.



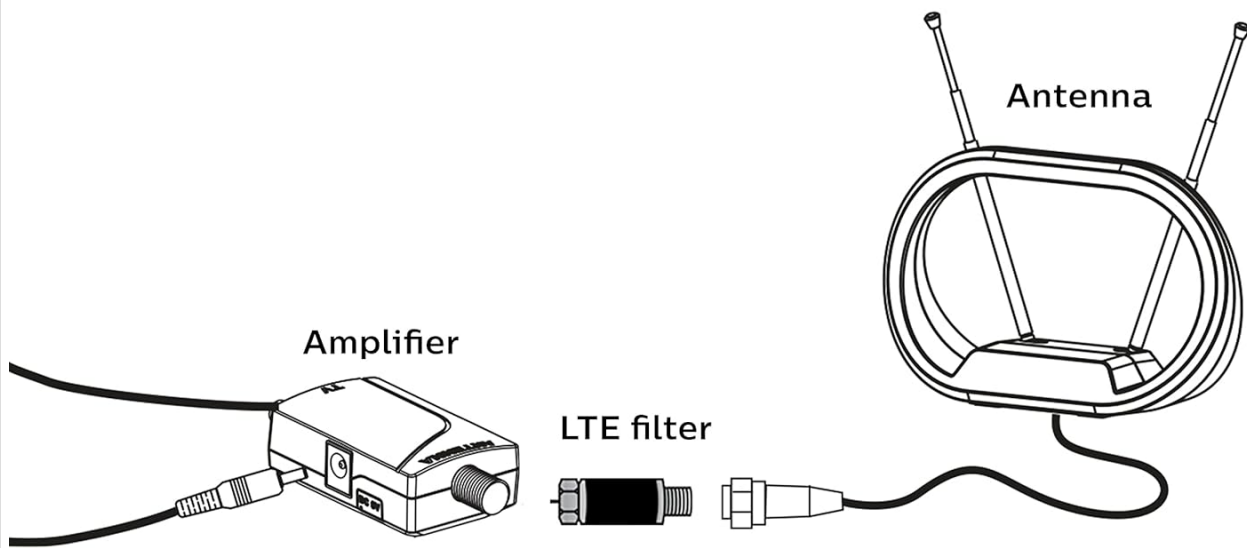
The filter measures approximately 0.49 inches (1.25 cm) in diameter and 1.67 inches (4.25 cm) in length, making it suitable for various installations without taking up much space.

SETUP AND INSTALLATION

The Philips LTE Filter is designed for easy in-line installation with your existing antenna setup. No external power supply or additional hardware is needed.

1. **Identify Connection Point:** Locate the coaxial cable that connects your TV antenna to your television or antenna amplifier. The filter should be installed in-line with this cable.

Recommended for amplified TV antennas in metropolitan or suburban areas



This diagram illustrates how to connect the LTE filter between your antenna and an amplifier or amplified TV antenna. The filter should be placed in-line with the coaxial cable, ensuring the signal flows from the antenna, through the filter, and then to your receiving device.

2. **Disconnect Cable:** Disconnect the coaxial cable from the antenna input port of your TV or amplifier.
3. **Connect Filter Input:** Connect the end of the coaxial cable coming from your antenna to the port on the Philips LTE Filter labeled "From Antenna".
4. **Connect Filter Output:** Connect a new coaxial cable (or the existing one if long enough) from the port on the filter labeled "To Amplifier or Amplified TV Antenna" to the antenna input port on your TV or amplifier.

Blocks 4G/5G LTE cell phone and transmitter frequencies for clear, pure reception



The filter is connected in-line with the coaxial cable, typically at the back of your television or receiver, before the signal reaches the tuner. Ensure the connections are secure.

5. **Secure Connections:** Ensure all coaxial connections are finger-tight to prevent signal loss and ensure optimal performance.

Indoor and Outdoor Compatibility

The filter's robust and weatherproof design allows for versatile installation with both indoor and outdoor TV antennas.

Compatible with amplified indoor and outdoor antennas
Easy in-line installation



The Philips LTE Filter is compatible with both indoor and outdoor amplified antennas, providing flexible installation options to suit your specific setup and environment.

OPERATING PRINCIPLES

The Philips LTE Filter operates passively, meaning it does not require an external power source. Its effectiveness stems from its specialized filtering capabilities.



TruAmp™

TECHNOLOGY

For clear, pure reception



**BOOSTS
SIGNAL**



**BLOCKS 4G/5G
LTE INTERFERENCE**



**FILTERS
NOISE**

TruAmp™ Technology works by selectively blocking unwanted 4G/5G LTE cell phone and transmitter frequencies, which are common sources of signal interference. By allowing only the desired 5-608 MHz frequencies (used for digital TV broadcasts) to pass through, the filter ensures a cleaner, more stable signal, resulting in clear and pure reception of in-range HDTV channels.

TROUBLESHOOTING

Poor or No Reception After Installation

- **Check Connections:** Ensure all coaxial cable connections, including those to the filter, antenna, and TV/amplifier, are secure and finger-tight. Loose connections can cause significant signal degradation.
- **Verify Installation Direction:** Confirm that the filter is installed in the correct direction, with the "From Antenna" port connected to your antenna and the "To Amplifier or Amplified TV Antenna" port connected to your TV or amplifier.
- **Signal Strength vs. Interference:** If you are in an area with inherently very weak TV signals, the filter may not significantly improve reception if the primary issue is insufficient signal strength rather than LTE interference. Consider an antenna amplifier if signal strength is the main concern.
- **Perform Channel Scan:** After installation, always perform a new channel scan on your television to allow it to detect and store available channels with the improved signal.

Continued Pixilation or Channel Loss

- **External Interference:** While the filter is highly effective against 4G/5G LTE interference, other strong local interference sources (e.g., certain electrical devices, power lines) or antenna issues might still affect reception. Try to identify and mitigate other potential interference sources.
- **Antenna Positioning:** If possible, try slightly repositioning your antenna to optimize signal reception, especially if you are experiencing issues with specific channels.
- **Antenna Type:** Ensure your antenna is appropriate for your location and the type of signals (UHF/VHF) you are trying to receive.

SPECIFICATIONS

Feature	Detail
Brand	Philips
Model Number	SDW1520/27
Frequency Range (Pass-through)	5-608 MHz
Interference Blocked	4G/5G LTE Cell Phone and Transmitter Frequencies
Impedance	75 Ohm
Installation Type	In-line, F-type Coax Cable Jack and Port
Power Requirement	None (Passive Device)
Compatibility	Any TV, amplified TV antenna, coax cable, coax cable splitter
Dimensions (Approx.)	1.67 inches (Length) x 0.49 inches (Diameter)
Weight (Approx.)	0.317 ounces
Color	Silver
Weatherproof	Yes (Suitable for Indoor/Outdoor use)

MAINTENANCE

The Philips LTE Filter is designed for durability and requires minimal maintenance to ensure continued optimal performance.

- **Check Connections:** Periodically inspect all coaxial cable connections to the filter, antenna, and TV/amplifier to ensure they remain tight and secure. Loose connections can degrade signal quality.
- **Outdoor Protection:** For outdoor installations, ensure that the coaxial cable connections are adequately protected from excessive moisture and environmental elements. While the filter is weatherproof, additional protection for the connections can extend their lifespan.
- **Cleaning:** If necessary, gently wipe the exterior of the filter with a soft, dry cloth to remove dust or dirt. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these may damage the filter's finish or internal components.

WARRANTY AND SUPPORT

The Philips LTE Filter (Model SDW1520/27) is designed for reliability and comes with dedicated support.

Limited-Lifetime Replacement Pledge: This product is backed by a limited-lifetime replacement pledge, ensuring long-term peace of mind regarding its performance and durability.

Technical Support: For any questions, issues, or technical assistance, free U.S.-based technical support is available. Support hours are Monday through Friday, from 7 AM to 8 PM Central Time.

For the most current warranty terms, detailed contact information, and any updates, please refer to the product packaging or visit the official Philips product support website.