

[Manuals.plus](#) /

› [Edision](#) /

› EDISION AMP-30 Mast TV Antenna Amplifier User Manual

Edision AMP-30

EDISION AMP-30 Mast TV Antenna Amplifier

Model: AMP-30 / 2UHF, 1VHF/FM

Brand: Edision

1. INTRODUCTION

The EDISION AMP-30 is a high-performance mast-mounted TV antenna amplifier designed to enhance digital terrestrial DVB-T/T2 signals. It features two UHF inputs and one VHF/FM input, with adjustable gain ranging from 17dB to 32dB, ensuring optimal signal reception. The integrated 5G LTE filter helps to minimize interference from mobile networks, providing a clear and stable television signal. This manual provides essential information for the correct installation, operation, and maintenance of your amplifier.

2. SAFETY INSTRUCTIONS

- **Power Disconnection:** Always disconnect power to the amplifier and associated equipment before performing any installation, maintenance, or troubleshooting.
- **Proper Grounding:** Ensure the antenna system and amplifier are properly grounded according to local electrical codes to prevent electrical shock and protect against lightning.
- **Moisture Protection:** The amplifier is designed for outdoor use but ensure all connections are sealed and the housing is securely closed to prevent water ingress. Avoid direct exposure to excessive moisture or submersion.
- **Voltage Requirements:** This device requires a 24V DC power supply (e.g., EDISION PSU-2402), which is not included. Using an incorrect power supply can damage the unit.
- **Installation Location:** Install the amplifier in an easily accessible location on the antenna mast, ensuring it is away from high-voltage power lines and other potential hazards.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- EDISION AMP-30 Mast TV Antenna Amplifier Device
- Installation Material (e.g., mast clamp, screws)
- Quick Start Guide

4. PRODUCT OVERVIEW

The EDISION AMP-30 amplifier is housed in a robust, weather-resistant casing designed for mast mounting. It features multiple inputs for different frequency bands and adjustable gain controls.



Figure 4.1: EDISION AMP-30 Amplifier with cover open.



Figure 4.2: Internal amplifier module with connections and gain controls.



Figure 4.3: Detailed view of input/output ports.



Figure 4.4: Amplifier with protective cover closed.

5. SPECIFICATIONS

Feature	Specification
Model	AMP-30
Inputs	2 x UHF, 1 x VHF/FM
Frequency Range UHF	470-694 MHz
Frequency Range VHF/FM	45-232 MHz
Adjustable Gain	17-32 dB
Max Output Level	107 dBmV
LTE Protection	5G Filter
Power Supply Requirement	24V DC, 200mA (not included)
Impedance	75 Ohm
Dimensions (L x W x H)	12 x 5 x 12 cm
Weight	272 g

Feature	Specification
Compliance	CE

6. SETUP AND INSTALLATION

Follow these steps for proper installation of the EDISION AMP-30 mast amplifier. Refer to the application example diagram for visual guidance.

1. **Mounting:** Securely mount the amplifier to the antenna mast using the provided installation material. Ensure it is positioned vertically with the cable entries facing downwards to prevent water accumulation.
2. **Connect Antennas:**
 - Connect your first UHF antenna to the **UHF1** input.
 - Connect your second UHF antenna (if applicable) to the **UHF2** input.
 - Connect your VHF/FM antenna to the **VHF/FM** input.

Use high-quality F-type connectors and ensure all connections are tight and weatherproof.

3. **Connect Output:** Connect the amplifier's **OUT** port to the input of your 24V DC power supply (e.g., EDISION PSU-2402). This power supply is typically installed indoors and feeds power up the coaxial cable to the amplifier.
4. **Power Supply Connection:** Connect the output of the 24V DC power supply to your TV distribution system or directly to your television/set-top box.
5. **Apply Power:** Once all connections are secure, plug in the 24V DC power supply.
6. **Adjust Gain:** Carefully adjust the individual gain potentiometers for UHF1, UHF2, and VHF/FM on the amplifier module. Start with the lowest gain setting and gradually increase it until optimal signal quality is achieved on your television. Avoid over-amplification, which can lead to signal distortion.

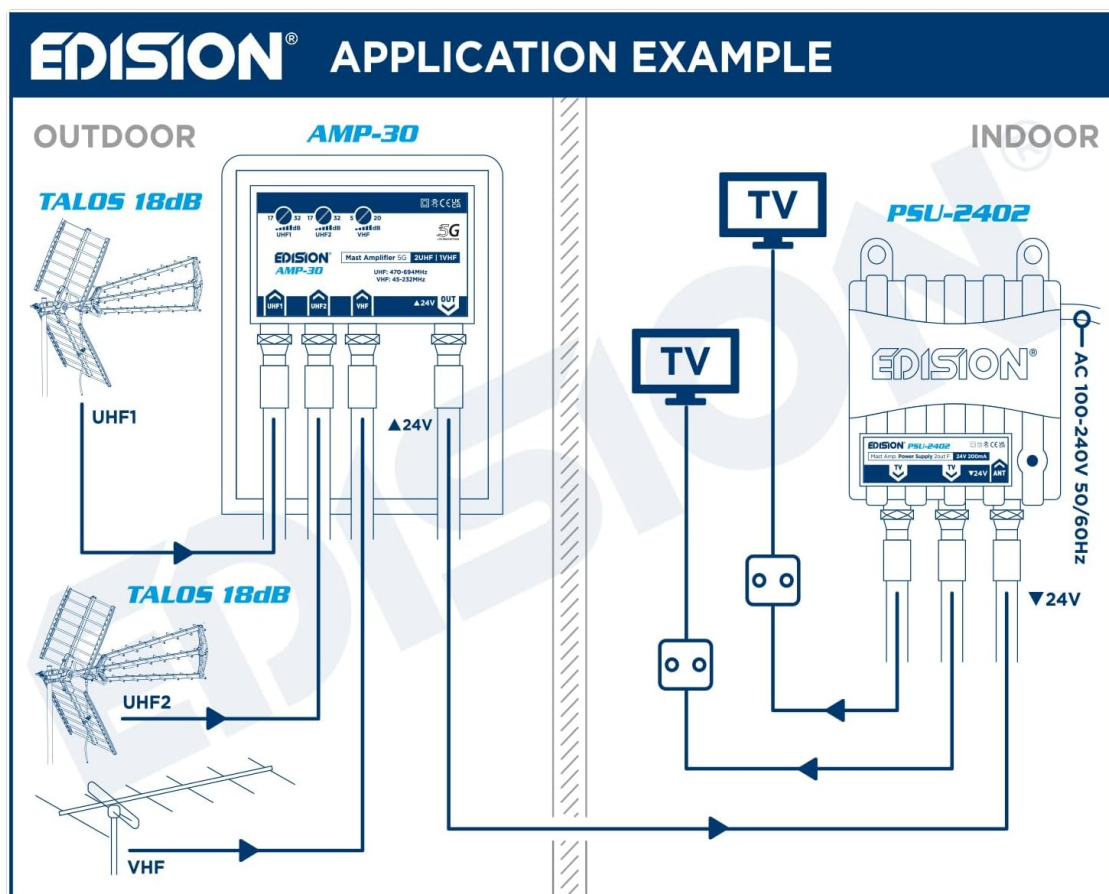


Figure 6.1: Application Example Diagram for EDISION AMP-30.

7. OPERATING INSTRUCTIONS

After successful installation and power-up, the EDISION AMP-30 amplifier operates automatically. The primary operational aspect is the adjustment of gain levels:

- **Gain Adjustment:** Use a small screwdriver to turn the potentiometers for each input (UHF1, UHF2, VHF/FM) to fine-tune the amplification level. Monitor your TV's signal strength and quality indicators while adjusting to find the ideal balance. The goal is to achieve a strong, stable signal without pixelation or dropouts, but also without overdriving the TV tuner, which can cause signal degradation.
- **5G LTE Filter:** The amplifier includes an integrated 5G LTE filter that automatically works to reduce interference from cellular signals in the 700 MHz band, ensuring clearer reception for DVB-T/T2 broadcasts. No user adjustment is required for this feature.

8. MAINTENANCE

The EDISION AMP-30 is designed for minimal maintenance. However, periodic checks can ensure its longevity and optimal performance:

- **Inspect Connections:** Annually inspect all F-type connections for corrosion, looseness, or damage. Tighten any loose connections and replace corroded cables or connectors.
- **Check Housing:** Ensure the amplifier's protective housing is securely closed and free from cracks or damage that could allow water ingress.
- **Clean Exterior:** If necessary, gently clean the exterior of the amplifier with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

9. TROUBLESHOOTING

If you experience issues with your EDISION AMP-30 amplifier, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No signal or weak signal	• No power to amplifier • Loose or corroded connections • Incorrect gain setting • Antenna misalignment • Damaged cable	• Check 24V DC power supply connection and functionality. • Inspect all F-type connections; tighten or clean as needed. • Adjust gain potentiometers. • Verify antenna direction and position. • Inspect and replace damaged coaxial cables.
Pixelation or distorted image	• Over-amplification (signal too strong) • External interference (e.g., 5G/4G) • Faulty amplifier	• Reduce gain settings on the amplifier. • Ensure the 5G LTE filter is functioning (it's integrated). • Contact support if problem persists after other steps.

Problem	Possible Cause	Solution
No power indicator on PSU (if applicable)	• Power supply unplugged • Faulty power supply • Short circuit in cabling	• Ensure power supply is plugged into a working outlet. • Test power supply with another device or replace it. • Check coaxial cable for shorts, especially at connectors.

10. WARRANTY

The EDISION AMP-30 Mast TV Antenna Amplifier is covered by a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or acts of nature. Please retain your proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact your local Edision dealer or visit the official Edision website:

Website: www.edision.gr

Please have your product model (AMP-30) and proof of purchase ready when contacting support.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

<https://manuals.plus/asin/B0CXF2VW1D>

More documents and user manuals: <https://manuals.plus/>