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› EMOS Universal Active Antenna User Manual

## EMOS J0802

# EMOS Universal Active Antenna User Manual

Model: J0802

## INTRODUCTION

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The EMOS Universal Active Antenna (Model J0802) is designed for reliable reception of DVB-T2, DAB, and FM signals, supporting Full HD resolution. Its robust, UV and weather-resistant construction makes it suitable for both indoor and outdoor installations. Featuring an integrated LTE filter, this antenna effectively minimizes interference from mobile network operators, ensuring clear and stable signal reception. This manual provides comprehensive instructions for setup, operation, maintenance, and troubleshooting to help you maximize your antenna's performance.





Image: The EMOS Universal Active Antenna, a white rectangular unit, mounted on a metal pole, showing its compact design and connection cable.

## Safety Information

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Please read all safety instructions before installing and operating the antenna. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Ensure the power supply is disconnected before installation or maintenance.
- Do not expose the antenna to extreme temperatures or direct sunlight for prolonged periods beyond its specified operating conditions.
- Avoid placing the antenna near heat sources or in areas with excessive moisture.
- Use only the provided power adapter and cables.
- If installing outdoors, ensure the antenna is securely mounted to prevent it from falling in strong winds.
- Do not attempt to disassemble or modify the antenna. Refer all servicing to qualified personnel.

## Package Contents

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Verify that all items listed below are present in your package:

- EMOS Universal Active Antenna (Model J0802)
- USB Power Cable with USB Power Source
- 5-meter Coaxial Cable with Connectors
- Mounting Accessories (U-bolt, wall mount bracket, screws)
- User Manual (this document)



Image: A collection of antenna accessories, including a coaxial cable, a USB power cable with adapter, and a U-bolt mounting clamp.

## SETUP AND INSTALLATION

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The EMOS antenna offers versatile installation options for both indoor and outdoor environments.

### 1. Choosing an Installation Location

For optimal signal reception, choose a location with minimal obstructions between the antenna and the broadcast tower. The antenna has a 360° reception angle, but direct line-of-sight is always preferable.

- **Outdoor Installation:** Ideal for balconies, walls, or caravan/motorhome exteriors. The antenna is UV and weather-resistant.
- **Indoor Installation:** Can be placed near a window or on a flat surface using the provided stand.

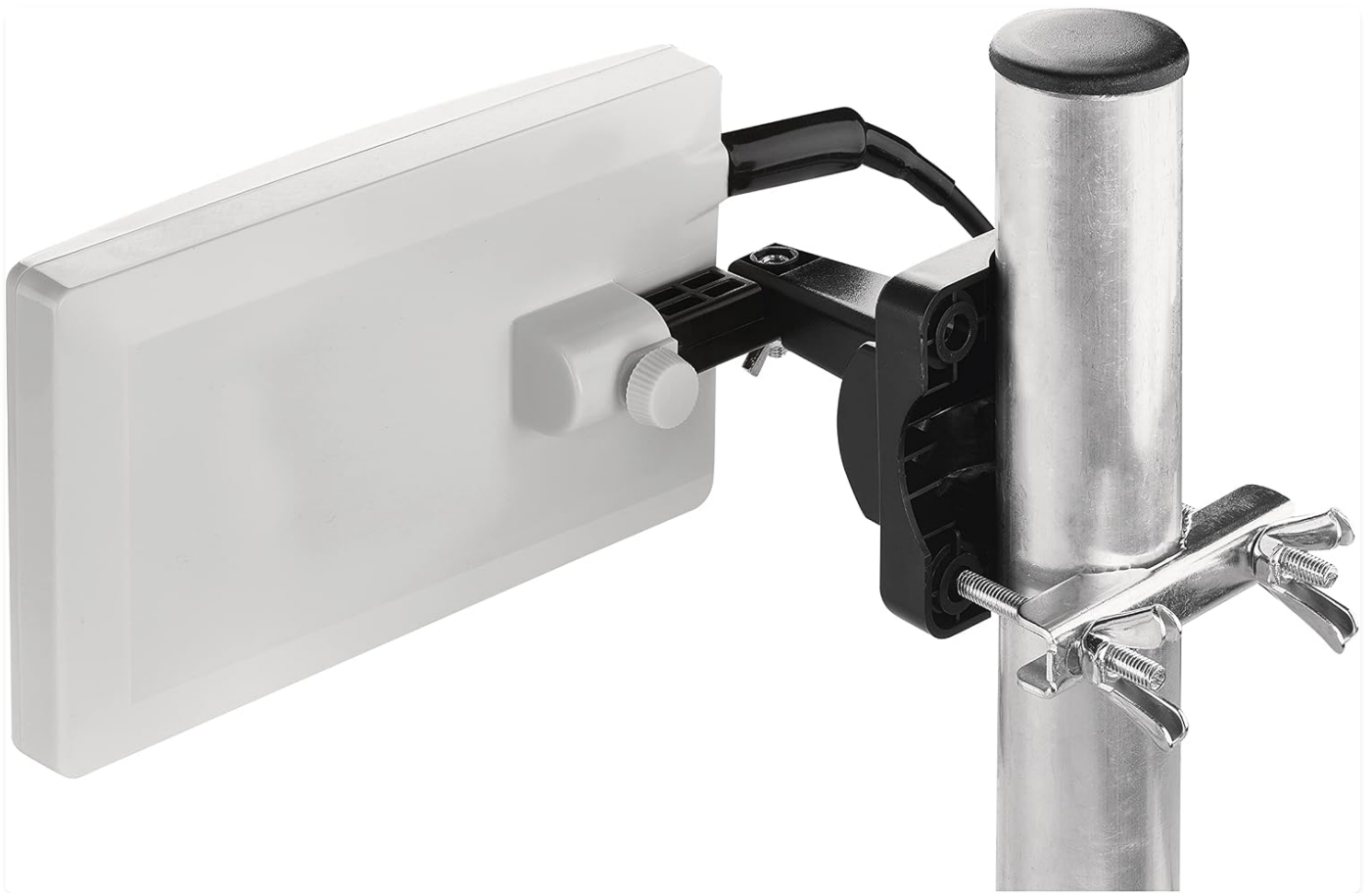


Image: The EMOS antenna securely mounted on an outdoor pole, demonstrating its suitability for external use.





Image: The EMOS antenna positioned on an indoor stand, highlighting its compact design for interior placement.

## 2. Mounting the Antenna

1. **For Pole Mounting (Outdoor):** Use the U-bolt and associated hardware to secure the antenna bracket to a vertical pole. Tighten all nuts firmly.
2. **For Wall Mounting (Outdoor/Indoor):** Use the wall mount bracket and screws to attach the antenna to a flat surface. Ensure the surface is sturdy enough to support the antenna.
3. **For Indoor Stand Placement:** Attach the antenna to the provided stand and place it on a stable, flat surface.

## 3. Connecting the Antenna

1. Connect one end of the 5-meter coaxial cable to the antenna's F-connector port.
2. Connect the other end of the coaxial cable to the antenna input (ANT IN / RF IN) on your television, set-top box, or DVB-T2

tuner.

## 4. Powering the Amplifier

The integrated low-noise signal amplifier requires power for optimal performance.

1. Connect the USB power cable to the amplifier unit.
2. Plug the USB end of the cable into a USB port on your television (if available and provides 5V/550mA) or into the provided USB power adapter.
3. Plug the USB power adapter into a standard electrical outlet.

**Note:** Some televisions can power the antenna directly via their USB port, eliminating the need for the external power adapter. Check your TV's manual for details.

## OPERATING INSTRUCTIONS

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Once the antenna is installed and connected, follow these steps to receive signals:

1. Turn on your television or DVB-T2 tuner.
2. Access the menu settings on your TV/tuner and navigate to the "Channel Scan" or "Auto Tune" option.
3. Initiate the channel scan. The antenna will automatically detect available DVB-T2, DAB, and FM signals within its reception range (up to 80 km from the transmitter).
4. The integrated LTE filter will automatically block unwanted mobile data signals (4G, 5G) to prevent interference and ensure clear reception of TV and radio broadcasts.
5. Once the scan is complete, you should be able to access all available channels in Full HD resolution where supported.



Image: A person and child watching television, illustrating the end-user experience of the antenna.

## MAINTENANCE

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The EMOS Universal Active Antenna is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the antenna surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check outdoor installations for secure mounting and cable integrity, especially after severe weather conditions.
- **Storage:** If storing the antenna for an extended period, disconnect it from power and store it in a dry, cool place.

## TROUBLESHOOTING

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| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                                   | Possible Cause                                                                                                                                            | Solution                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No signal or poor signal quality          | Antenna not powered.<br>Incorrect antenna positioning.<br>Loose cable connections.<br>Obstructions blocking signal.<br>TV/tuner not scanned for channels. | Ensure USB power cable is connected and power adapter is plugged in.<br>Adjust antenna position, try different locations (e.g., higher, near a window).<br>Check all coaxial cable connections at both the antenna and TV/tuner.<br>Relocate antenna away from large metal objects or buildings.<br>Perform a new channel scan on your TV/tuner. |
| Interference from mobile networks (4G/5G) | Antenna amplifier not active.<br>Strong local mobile signal.                                                                                              | Ensure the antenna amplifier is properly powered. The integrated LTE filter requires power to function.<br>The antenna has an integrated LTE filter designed to mitigate this. If interference persists, try repositioning the antenna slightly.                                                                                                 |
| Only a few channels found                 | Weak signal in your area.<br>Antenna not optimally positioned.                                                                                            | Check online resources for broadcast tower locations in your area and try to orient the antenna towards them.<br>Experiment with different antenna heights and orientations.                                                                                                                                                                     |

## SPECIFICATIONS

| Feature            | Detail                                                                          |
|--------------------|---------------------------------------------------------------------------------|
| Model Number       | J0802                                                                           |
| Brand              | EMOS                                                                            |
| Color              | White                                                                           |
| Frequency Range    | 87.5-230 MHz, 470-698 MHz                                                       |
| Impedance          | 75 ohms                                                                         |
| Gain               | 20 dBi                                                                          |
| Polarization       | Horizontal/Vertical                                                             |
| Max Range          | 80 km (from transmitter)                                                        |
| Special Features   | Signal Amplifier, Full HD Support, LTE Filter (4G/5G), UV and Weather Resistant |
| Compatible Devices | Television                                                                      |
| Product Dimensions | 11L x 7W x 19H centimeters                                                      |

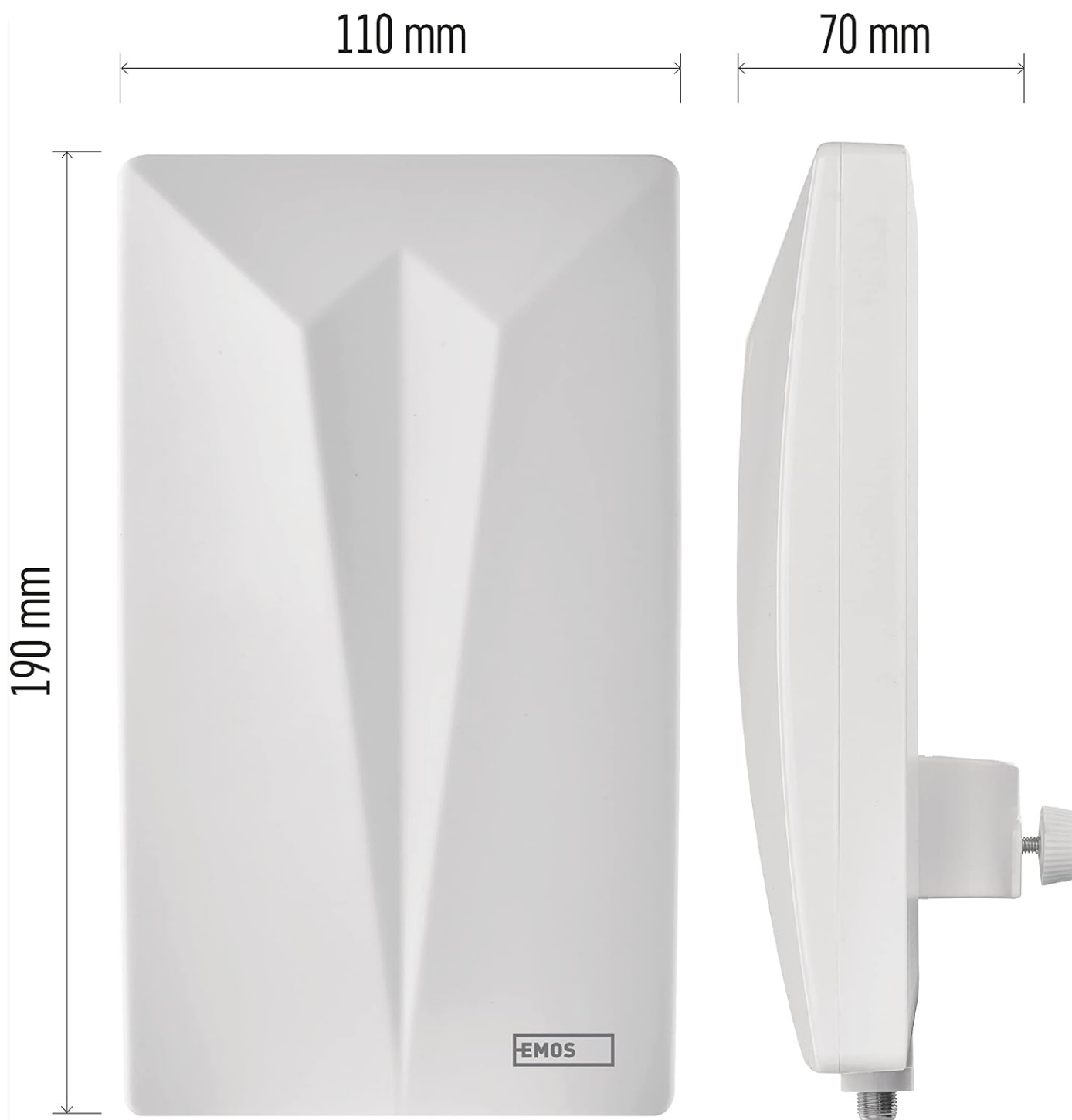


Image: A technical diagram illustrating the dimensions of the EMOS antenna: 190 mm height, 110 mm width, and 70 mm depth.

## WARRANTY AND SUPPORT

EMOS products are designed for reliability and performance. For information regarding warranty coverage, technical support, or spare parts availability, please refer to the official EMOS website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

EMOS has been present on the European market since 1991 and is a member of the Legrand group since 2022, offering a wide range of electronics.



Image: The EMOS brand logo, indicating the manufacturer.

## 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

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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

## Answered questions about this manual

### How do I connect the coaxial cable and power supply for the EMOS J0802 (CAMP-V400) antenna?

To connect the coaxial cable and power supply for the EMOS J0802 (CAMP-V400) antenna, follow these steps:  
Connect the Coaxial Cable: Connect one end of the provided 5-meter coaxial cable to the F-connector port...

[Read full answer](#)

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