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## TELEVES 5363

# Televes 5363 Multiband Amplifier User Manual

Model: 5363 | Brand: TELEVES

## 1. INTRODUCTION

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The Televes 5363 Minikom FI 2150 MHz Multiband Amplifier is designed for SMATV systems. This broadband amplifier, housed in a Zamak casing, features switched-mode power supplies and allows for independent mixing of MATV signals.

### Key Features:

- Broadband amplification.
- Incorporates switched-mode power supplies.
- Allows mixing of MATV signals via an independent input.
- Compact dimensions: 180 x 110 x 55 mm.
- High-shielding chassis, manufactured from Zamak.
- Separate amplification with very low noise figure, preserving signal quality.
- Ultra-reduced ergonomic design.

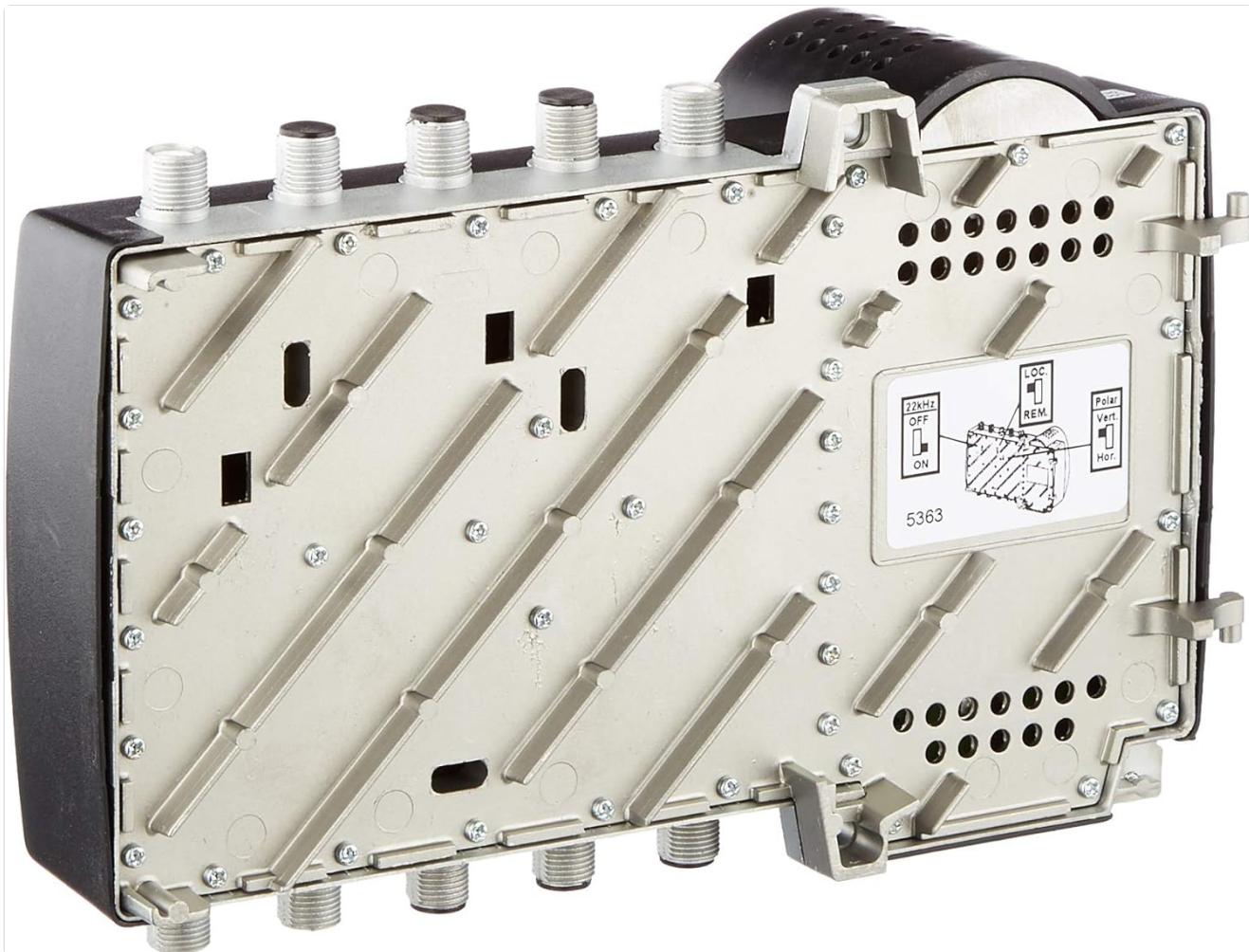


Figure 1: Rear view of the Televes 5363 Multiband Amplifier, highlighting the F-connectors for signal inputs and outputs.

## 2. SAFETY INFORMATION

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

- **Power Supply:** Ensure the device is connected to a power outlet with the correct voltage and frequency as specified in the technical specifications.
- **Ventilation:** Do not block any ventilation openings. Install the device in a location with adequate airflow to prevent overheating.
- **Moisture:** Do not expose the device to rain, moisture, or excessive humidity. Avoid installing in damp environments.
- **Cleaning:** Disconnect the device from the power supply before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosol sprays.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Mounting:** Ensure the device is securely mounted on a stable surface to prevent it from falling.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Televes 5363 Multiband Amplifier
- Power cable (integrated or separate, depending on model variant)
- Instruction Manual (this document)

- Mounting accessories (screws, wall plugs)

## 4. SETUP AND INSTALLATION

The Televes 5363 amplifier is designed for surface mounting. Follow these steps for proper installation:

### 4.1. Mounting the Amplifier

1. Choose a suitable location for mounting, ensuring it is dry, well-ventilated, and easily accessible for connections.
2. Mark the positions for the mounting screws on the wall or surface.
3. Drill pilot holes if necessary and insert wall plugs.
4. Secure the amplifier using appropriate screws.

### 4.2. Connecting Signals

The amplifier features two inputs for different signal bands and an output for the mixed signal. It utilizes an EasyF connection system for reliable connections.



Figure 2: Detail of the input connections and configuration switches on the Televes 5363 amplifier.

1. **VHF/UHF Input:** Connect your terrestrial antenna (VHF/UHF) signal cable to the designated input.

2. **SAT Input:** Connect your satellite dish signal cable to the designated SAT input.
3. **Output:** Connect the output of the amplifier to your SMATV distribution network or directly to your television/receiver.

### 4.3. Power Connection

Connect the power cable to the amplifier and then to a suitable electrical outlet. The amplifier incorporates switched-mode power supplies for efficient operation.



Figure 3: Front view of the Televes 5363 Multiband Amplifier, showing the power input.

## 5. OPERATION

The Televes 5363 amplifier is designed for straightforward operation. Once installed and powered, it will amplify and mix the incoming signals.

### 5.1. Signal Mixing

The amplifier automatically mixes the VHF/UHF terrestrial signals with the satellite (SAT) signals into a single output. This allows for a combined distribution of both signal types through a single cable.

### 5.2. Gain Adjustment

The amplifier provides a gain of 45 dB for the satellite band and an output level of 124 dBuV. Specific gain adjustments for VHF/UHF may be available via internal potentiometers or switches, depending on the exact model variant. Refer to the markings on the device for any adjustable settings.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your Televes 5363 Multiband Amplifier, follow these simple maintenance guidelines:

- **Cleaning:** Periodically clean the exterior of the amplifier with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Ventilation:** Ensure that the ventilation slots are free from dust and obstructions to prevent overheating.
- **Connections:** Occasionally check all cable connections to ensure they are secure and free from corrosion.
- **Environment:** Keep the amplifier in a dry, cool environment, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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If you encounter issues with your Televes 5363 Multiband Amplifier, refer to the following common problems and solutions:

- **No Signal:**

- Check all cable connections to ensure they are properly seated.
- Verify that the amplifier is receiving power (check power indicator light if available).
- Ensure the input signals from the terrestrial antenna and satellite dish are present and strong enough.

- **Weak or Poor Quality Signal:**

- Check the quality of the input signals before they reach the amplifier.
- Ensure all connections are tight and free from damage or corrosion.
- Verify that the amplifier's gain settings (if adjustable) are appropriate for your installation.

- **No Power:**

- Check the power cable connection to both the amplifier and the electrical outlet.
- Test the electrical outlet with another device to ensure it is functional.

If the problem persists after attempting these solutions, contact qualified technical support.

## 8. TECHNICAL SPECIFICATIONS

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Feature	Specification
Model Number	5363
Manufacturer	Televes
Material	Zamak
Number of Inputs	2 (VHF/UHF, SAT)
Output Level (Vs)	124 dBuV
Gain (SAT)	45 dB
Frequency Range	Up to 2150 MHz (F1)
Mounting Type	Surface mount
Dimensions (L x W x H)	180 x 110 x 55 mm
Product Weight	950 g
Power Supply	Switched-mode power supply (internal)

Feature	Specification
Batteries Required	No

## 9. WARRANTY AND SUPPORT

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This Televes product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Televes website.

For technical support, service, or inquiries regarding your Televes 5363 Multiband Amplifier, please contact your local dealer or the Televes customer service department. Contact information can typically be found on the product packaging or the official Televes website.