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› Johansson TV Antenna Preamplifier Kit 20015_SML User Manual

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Johansson TV Antenna Preamplifier Kit 20015_SML User Manual

Model: 20015_SML

1. INTRODUCTION

This Johansson TV Antenna Preamplifier Kit is designed to improve the reception of Digital Terrestrial Television (DTT) and High Definition Digital Terrestrial Television (HD DTT) signals. It features an integrated 4G/LTE filter to reduce interference from mobile networks, ensuring a clearer and more stable signal. The kit includes a preamplifier (Model 7328) with adjustable gain and a power supply (Model 2434).

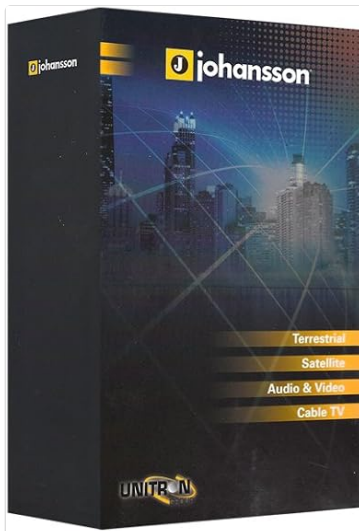


Image: Johansson TV Antenna Preamp Kit, showing the amplifier and power supply.

2. PACKAGE CONTENTS

Please verify that all the following items are included in your package:

- Amplifier Johansson 7328
- Power Supply Johansson 2434
- 1 x Adjustable Plastic Clamp
- 2 x Screws



INCLUDED IN THE PACK :



**Amplifier
Johansson 7328**



**Power supply
Johansson 2434**



**1 x Adjustable Plastic
Clamps
2 x Screws**



Image: Contents of the Johansson Preamplifier Kit.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your Johansson TV Antenna Preamplifier Kit:

1. **Mounting the Amplifier:** The Amplifier 7328 can be mounted on the antenna mast using the provided plastic clamp or indoors on a wall. Ensure it is placed as close as possible to the antenna for optimal performance.
2. **Connect the Antenna:** Connect your UHF antenna cable to the 'UHF' input port on the Amplifier 7328.
3. **Connect Amplifier to Power Supply:** Connect the output port of the Amplifier 7328 to the input port of the Power Supply 2434.
4. **Connect to Televisions:** Connect your televisions (TV1, TV2, etc.) to the 'TV' output ports on the Power Supply 2434.
5. **Power Connection:** Plug the Power Supply 2434 into a standard 230V AC electrical outlet. The LED on the power supply should illuminate, indicating it is receiving power.
6. **Secure Connections:** Ensure all coaxial cable connections are secure and properly terminated to prevent signal loss or interference.

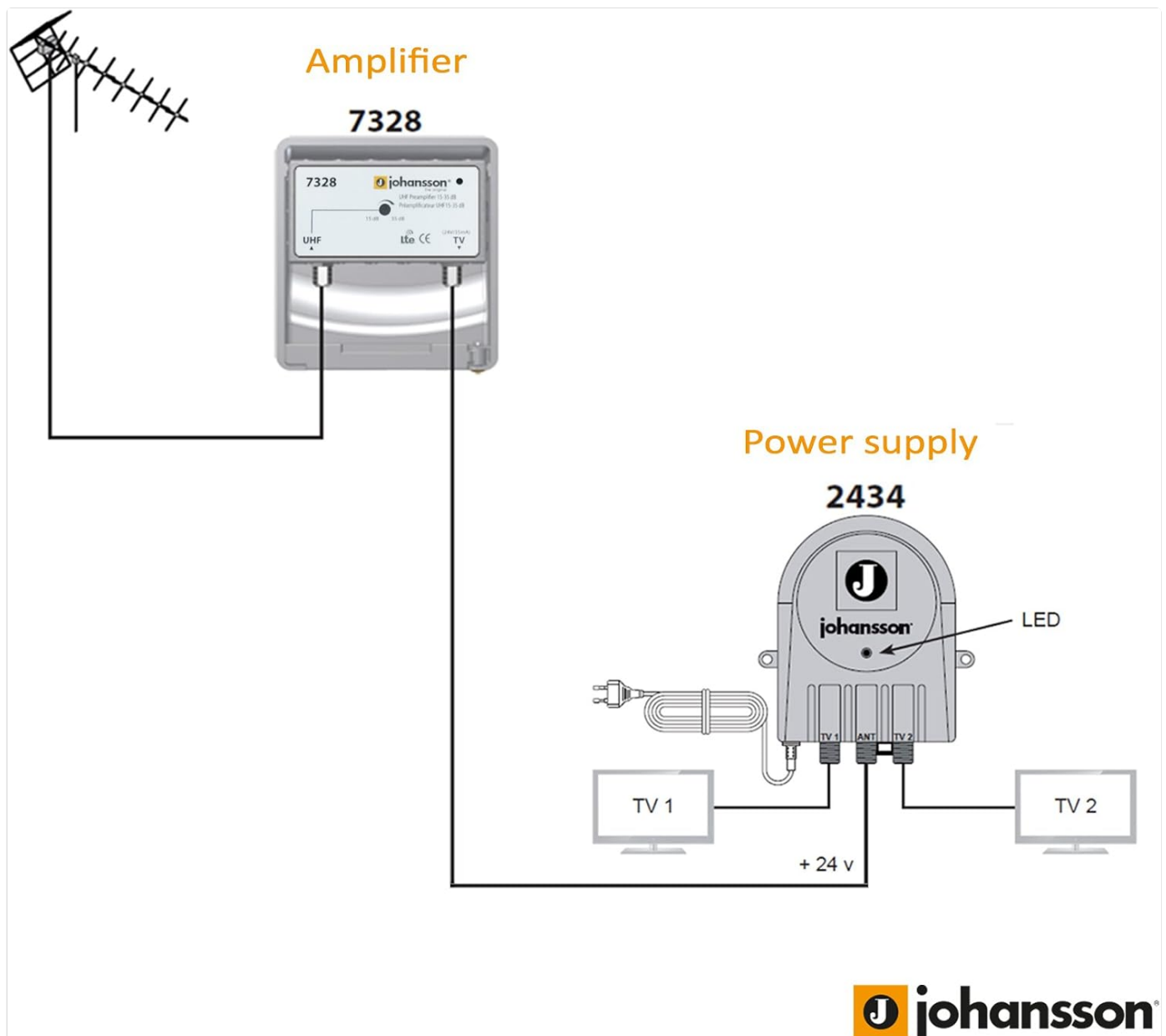


Image: Connection diagram for the Johansson Preamplifier Kit.

4. OPERATION

Once installed and powered, the preamplifier will automatically boost the incoming TV signal. The adjustable gain (15-35 dB) allows for optimization of signal strength. The integrated 4G/LTE filter actively reduces interference from mobile signals, improving signal quality. The LED indicator on the power supply confirms operational status.

5. SPECIFICATIONS

5.1. Preamplifier 7328 Specifications

Feature	Specification
Frequencies	UHF C.21-60 / 470-790 MHz
Gain	15-35 dB adjustable
Noise figure	2.0 dB typ.

Feature	Specification
Max. Input level	70 dB μ V
Max. Output level	105 dB μ V
Power Supply	24 VDC
Consumption	35 mA
Connectors	"F"
LED	Yes
Dimensions	120 x 114 x 51 mm

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Image: Specifications for PreampIifier 7328.

5.2. Power Supply 2434 Specifications

Feature	Specification
Outputs	2
Insertion loss	4 - 5 dB

Feature	Specification
Protection between outputs	10 dB
Secondary DC power stabilized	24 V DC
Power	230 V +/-10%, 50 Hz / 4,8 W
High efficiency	75%
Output current	150 mA
Security	Overload and short circuit protected. Double isolated.
Connectors	"F"
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Dimensions	110 x 94 x 41 mm

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Image: Specifications for Power Supply 2434.

6. TROUBLESHOOTING

- **Poor or Pixelated Reception:**

- Ensure the antenna is correctly oriented towards the transmitter. An amplifier boosts the existing signal, including any imperfections.
- Check all cable connections for tightness and proper termination. Loose connections can cause signal degradation.
- Verify the power supply LED is illuminated, indicating it is receiving power.
- Adjust the gain setting on the preamplifier if available, starting from a lower setting and gradually increasing it to find the optimal balance.
- Ensure the 4G/LTE filter is active and functioning to mitigate mobile interference.

- **No Signal:**

- Confirm the power supply is plugged in and its LED is on.
- Check all coaxial cable connections from the antenna to the amplifier, from the amplifier to the power supply, and from the power supply to the TV.
- Ensure the antenna is connected to the correct 'UHF' input on the amplifier.
- Verify that your TV tuner is set to the correct input source (e.g., 'Antenna' or 'DTT').

7. MAINTENANCE

The Johansson Preamplifier Kit requires minimal maintenance. Ensure the outdoor unit (Amplifier 7328) is securely mounted and protected from extreme weather conditions. Periodically check cable connections for corrosion or damage, especially for outdoor installations. Keep the indoor power supply unit in a dry, well-ventilated area.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Johansson customer service directly. It is recommended to keep your proof of purchase for any warranty claims or support inquiries.

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