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› Inverto 5929 Ultra High-Gain Twin LNB Instruction Manual

Inverto 277077

Inverto 5929 Ultra High-Gain Twin LNB Instruction Manual

Model: 277077

1. PRODUCT OVERVIEW

The Inverto 5929 Ultra High-Gain Twin LNB is engineered for superior satellite signal reception, particularly in challenging environments such as at the edges of satellite footprints, with smaller dish sizes, or when using long coaxial cables. This LNB incorporates an advanced feedhorn design and high-performance front-end components to deliver high conversion gain, low noise, and excellent phase noise characteristics.

It is designed to facilitate the reception of signals from a single satellite and distribute them to two independent satellite receivers (or a twin-tuner receiver). The LNB is fully compatible with Ultra High-Definition TV transmissions, including 4K and 8K resolutions, ensuring a high-quality viewing experience.

Inverto Twin Black Ultra



PREMIUM PRODUKT



GERINGER STROMVERBRAUCH



ERSTKLASSIGE QUALITÄT



GERINGES RAUSCHMAß



HOHE FREQUENZSTABILITÄT



Eingangsfrequenzbereich im unteren Band : 10.7 GHz ~ 11.7 GHz
Ausgangsfrequenzbereich im unteren Band : 950 MHz ~ 1950 MHz
LO-Frequenz im unteren Band : 9.75 GHz
Eingangsfrequenzbereich im oberen Band : 11.7 GHz ~ 12.75 GHz
Ausgangsfrequenzbereich im oberen Band : 1100 MHz ~ 2150 MHz
LO-Frequenz im oberen Band : 10.6 GHz
Rauschzahl : 0.2 dB typ. (0.7 dB max.)
Stromaufnahme : 150 mA max. (10 VDC ~ 20 VDC)
Betriebstemperatur : -30 °C ~ +60 °C
Ausgangs impedanz : 75 Ω (F-type)
Ausgangsanschluss : F-Type (female)
Gewicht : 127.5 g

A close-up view of the Inverto 5929 Ultra High-Gain Twin LNB, showing its robust black casing, two F-type output connectors for connecting to satellite receivers, and the protective white cap over the feedhorn.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power to the satellite receiver and any associated equipment before installing or servicing the LNB.
- **Outdoor Installation:** Exercise caution when working at heights. Ensure stable footing and use appropriate safety equipment.
- **Weather Protection:** Ensure all outdoor connections are properly sealed against moisture using weatherproofing tape or boots to prevent water ingress and corrosion.
- **Cable Management:** Securely route all cables to prevent tripping hazards and damage from wind or other environmental factors.
- **Handling:** Handle the LNB carefully to avoid damage to the feedhorn or connectors.

3. PACKAGE CONTENTS

The package contains:

- 1 x Inverto 5929 Ultra High-Gain Twin LNB

4. SETUP AND INSTALLATION

This section provides general guidelines for installing the Twin LNB. For detailed instructions specific to your satellite dish, refer to your dish's instruction manual.

1. **Mounting the LNB:** Slide the LNB into the LNB holder on your satellite dish. Ensure it is securely fastened but do not overtighten, as this may damage the LNB or holder.
2. **Connecting Coaxial Cables:** Connect two F-type coaxial cables from the LNB's output ports to your satellite receiver(s). Ensure the connections are tight.
3. **Weatherproofing:** Apply weatherproofing tape or use rubber boots over the F-connections to protect them from moisture and corrosion.
4. **Dish Alignment:** Accurately align your satellite dish to the desired satellite. This typically involves adjusting the azimuth (horizontal angle), elevation (vertical angle), and skew (rotation) of the LNB. Use a satellite finder tool or the signal strength meter on your receiver for precise alignment.
5. **Cable Routing:** Route the coaxial cables safely, avoiding sharp bends and potential damage points. Secure them with cable ties or clips.

5. OPERATING INSTRUCTIONS

Once the Inverto Twin LNB is correctly installed and aligned, its operation is passive. The LNB converts the high-frequency satellite signals to an intermediate frequency suitable for your satellite receiver(s).

- **Receiver Connection:** Ensure your satellite receiver(s) are properly connected to the LNB outputs.
- **Receiver Configuration:** Configure your satellite receiver(s) with the correct satellite parameters, including LNB type (Universal Twin LNB), LO frequencies (9.75 GHz for Low Band, 10.6 GHz for High Band), and DiSEqC settings if applicable. Refer to your receiver's manual for specific setup instructions.
- **Channel Scan:** Perform a channel scan on your satellite receiver(s) to detect and store available television and radio channels.

6. MAINTENANCE

The Inverto Twin LNB is designed for durability and requires minimal maintenance. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** Periodically inspect the LNB and its connections for any signs of physical damage, corrosion, or loose cables.
- **Cleaning:** Gently clean the LNB's feedhorn and body with a soft, damp cloth if dirt or debris accumulates. Avoid using harsh chemicals or abrasive materials.
- **Weatherproofing:** Re-check the weatherproofing on the F-connectors, especially after severe weather conditions, and reapply if necessary.
- **Obstructions:** Ensure there are no new obstructions (e.g., tree branches, new buildings) blocking the line of sight between your dish and the satellite.

7. TROUBLESHOOTING

If you experience issues with your satellite reception, consider the following troubleshooting steps:

- **No Signal:**

- Verify all coaxial cable connections are secure at both the LNB and the receiver.
- Check the LNB's power supply from the receiver. Ensure the receiver is configured to supply power to the LNB.
- Confirm the satellite dish is correctly aligned to the satellite. Even minor shifts can cause signal loss.
- Ensure there are no obstructions between the dish and the satellite.

- **Poor Signal Quality / Pixelation:**

- Fine-tune the satellite dish alignment. Small adjustments to azimuth, elevation, and skew can significantly improve signal quality.
- Inspect coaxial cables for damage, kinks, or loose connections. Replace damaged cables.
- Check for water ingress at the F-connectors; corrosion can degrade signal quality.
- Ensure the LNB is securely mounted and not vibrating in the wind.

- **Only Some Channels Available:**

- Verify the LNB LO frequencies are correctly set in your receiver (9.75 GHz and 10.6 GHz).
- Check the receiver's DiSEqC settings if you are using multiple LNBs or a switch.
- Perform a full channel rescan on your receiver.

8. TECHNICAL SPECIFICATIONS



This image displays the Inverto Twin Black Ultra LNB alongside a list of its key features and technical specifications, including frequency ranges, noise figure, and power consumption. The text is in German.

Parameter	Value
Input Frequency Range (Low Band)	10.7 GHz ~ 11.7 GHz
Output Frequency Range (Low Band)	950 MHz ~ 1950 MHz
LO Frequency (Low Band)	9.75 GHz
Input Frequency Range (High Band)	11.7 GHz ~ 12.75 GHz
Output Frequency Range (High Band)	1100 MHz ~ 2150 MHz
LO Frequency (High Band)	10.6 GHz

Parameter	Value
Noise Figure	0.2 dB typ. (0.7 dB max.)
Conversion Gain	60 dB ~ 70 dB
Cross Polarization Isolation	22 dB min.
Current Consumption	150 mA max. (10 VDC ~ 20 VDC)
Operating Temperature	-30 °C ~ +60 °C
Output Impedance	75 Ω (F-type)
Output Connector	F-Type (female)
Weight	127.5 g

9. WARRANTY AND SUPPORT

Specific warranty information for the Inverto 5929 Ultra High-Gain Twin LNB is not provided in this document. Please refer to your point of purchase or the official Inverto website for details regarding warranty coverage and customer support.

For technical assistance or further inquiries, please contact Inverto customer service or your local distributor.

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