

Manuals.plus /
> Inverto /
> Inverto Premium Universal Single LNB IDLP-SNL410-PREMU-OPN User Manual

Inverto IDLP-SNL410-PREMU-OPN

Inverto Premium Universal Single LNB IDLP-SNL410-PREMU-OPN User Manual

Model: IDLP-SNL410-PREMU-OPN | Brand: Inverto

1. PRODUCT OVERVIEW

The Inverto Premium Universal Single LNB (Low Noise Block) is engineered to meet the demands of global Direct-to-Home (DTH) satellite reception. Utilizing advanced chipset technology and waveguide design, this LNB provides optimized reception capabilities for satellite television and radio signals. It supports both High Definition (HD) and Ultra High Definition (UHD) transmissions, offering excellent RF values, very low power consumption, and effective suppression of 4G/LTE interference.



Figure 1: Inverto Premium Universal Single LNB. This image shows the dark grey LNB unit with a white cap on the feedhorn and a white connector at the bottom. The Inverto logo is visible on the side.

Key Features:

- Low Phase Noise, DVB-S2 compliant (HD and UHD).
- Low Noise Figure (0.2 dB).
- Low Power Consumption (max. 80 mA).
- High Cross-Polarization Isolation (22 dB min).
- High Frequency Stability (@ 25 degrees C +/- 500 kHz max.).
- Designed for reception from one satellite for a single subscriber.

2. SETUP AND INSTALLATION

Proper installation of the LNB is crucial for optimal satellite signal reception. This section outlines the general steps for mounting and connecting your Inverto LNB.

2.1 Safety Precautions

- Always disconnect power to your satellite receiver before making any connections.
- Exercise caution when working at heights. Use appropriate safety equipment.

- Ensure all connections are secure and weatherproof to prevent moisture ingress.

2.2 Mounting the LNB

1. **Attach to Satellite Dish Arm:** Slide the LNB into the LNB holder on the satellite dish's feed arm. The LNB has a 40mm feed diameter.
2. **Secure Position:** Tighten the clamp screws on the LNB holder to secure the LNB firmly in place. Ensure it is aligned correctly according to your satellite dish's instructions and local satellite signal requirements.
3. **Skew Adjustment:** Adjust the LNB's rotation (skew) as required for your geographical location to maximize signal quality. This usually involves rotating the LNB slightly within its holder.

2.3 Connecting to Receiver

1. **Coaxial Cable:** Connect a high-quality coaxial cable (F-type connector) from the LNB's output port to the "LNB IN" or "SAT IN" port on your satellite receiver.
2. **Weatherproofing:** Use weatherproof boots or self-amalgamating tape to protect the F-connector connection at the LNB from moisture.
3. **Power On:** Once all connections are secure, reconnect power to your satellite receiver.

3. OPERATING INSTRUCTIONS

After successful installation, the LNB operates automatically by converting the high-frequency satellite signals to an intermediate frequency suitable for your satellite receiver.

3.1 Satellite Receiver Configuration

1. **Access Menu:** Turn on your satellite receiver and access its main menu.
2. **Satellite Setup:** Navigate to the "Satellite Setup" or "Antenna Settings" section.
3. **LNB Type:** Select "Universal LNB" as the LNB type.
4. **LO Frequencies:** The receiver should automatically set the Low Band LO Frequency to 9.75 GHz and the High Band LO Frequency to 10.6 GHz. Verify these settings.
5. **Scan for Channels:** Perform a channel scan to find available satellite channels. Refer to your satellite receiver's manual for detailed scanning instructions.

The LNB is designed for continuous operation and requires no further user interaction once configured correctly with the satellite receiver.

4. MAINTENANCE

The Inverto Premium Universal Single LNB is designed for durability and requires minimal maintenance. However, periodic checks can help ensure long-term performance.

4.1 Cleaning

- **Exterior:** Occasionally, gently clean the exterior of the LNB with a soft, damp cloth to remove dust, dirt, or debris.
- **Avoid Chemicals:** Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the LNB's housing or protective coatings.

4.2 Connection Check

- **Cable Integrity:** Periodically inspect the coaxial cable and its connections for any signs of wear, damage, or corrosion.

- **Weatherproofing:** Ensure that the weatherproof protection on the F-connector remains intact to prevent water ingress.

4.3 Environmental Factors

- **Obstructions:** Ensure there are no new obstructions (e.g., growing trees, new buildings) blocking the line of sight between your satellite dish and the satellite.
- **Extreme Weather:** After severe weather conditions (heavy storms, strong winds), check the LNB and dish alignment.

5. TROUBLESHOOTING

If you experience issues with your satellite reception, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Signal / Weak Signal	Incorrect dish alignment. Loose or damaged coaxial cable connection. LNB skew incorrect. Obstruction in line of sight. LNB failure.	Re-align the satellite dish using a satellite finder. Check all cable connections, ensure they are tight and weatherproof. Adjust the LNB skew. Remove any obstructions. Test with a known working LNB if possible.
Picture Freezing / Pixelation	Marginal signal quality. Interference (e.g., 4G/LTE).	Fine-tune dish alignment and LNB skew. Ensure LNB is correctly positioned to minimize interference. This LNB is designed to suppress 4G/LTE interference.
No Power to LNB	Satellite receiver not providing power. Short circuit in coaxial cable.	Check receiver settings to ensure LNB power is enabled. Inspect coaxial cable for damage.

If problems persist after following these steps, consult a professional satellite installer or contact Inverto customer support.

6. TECHNICAL SPECIFICATIONS

Parameter	Value
Noise Figure	0.2 dB
Feed Diameter	40 mm
Input Frequency Range	10.7 GHz ~ 12.75 GHz
Output Frequency Range	950 MHz ~ 2150 MHz
Low Band LO Frequency	9.75 GHz
High Band LO Frequency	10.6 GHz

Parameter	Value
Phase Noise @ 10 kHz	-80 dBc/Hz max.
Power Consumption	80 mA max.
Cross-Polarization Isolation	22 dB min.
Frequency Stability @ 25°C	+/- 500 kHz max.
Gain	56 dB min.
Manufacturer	Inverto
Model Number	IDLP-SNL410-PREMU-OPN (Note: Product data also lists "dzcp-1399" as an item model number, but IDLP-SNL410-PREMU-OPN is the primary product identifier.)

7. WARRANTY AND SUPPORT

Specific warranty information for the Inverto Premium Universal Single LNB (IDLP-SNL410-PREMU-OPN) may vary by region and retailer. Please refer to the documentation provided at the time of purchase or contact your retailer for details regarding warranty coverage.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Inverto customer support or visit the official Inverto website. You may need to provide your product model number (IDLP-SNL410-PREMU-OPN) and proof of purchase.

Note: Information regarding spare parts availability and guaranteed software updates is not available in the provided product data.

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/B07JL63ZZJ>

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