

## PNI PNI-FLEX27

# PNI Flex 27 Antenna User Manual

Model: PNI-FLEX27

## INTRODUCTION

The PNI Flex 27 antenna is designed for use with the PNI Escort HP 62 radio station and other portable radio devices that utilize BNC connectors. This antenna operates within the 26 - 28 MHz frequency range, providing reliable communication. With a length of 480 mm, it is engineered to facilitate communication over a maximum distance of 3 km under ideal, unobstructed conditions. This manual provides essential information for the proper setup, operation, and maintenance of your PNI Flex 27 antenna.

## SETUP INSTRUCTIONS

Follow these steps to correctly set up your PNI Flex 27 antenna:

1. **Identify the BNC Connector:** Locate the BNC connector on your PNI Flex 27 antenna. This is a standard bayonet-style connector.
2. **Locate the Radio's Antenna Port:** Identify the BNC antenna port on your compatible radio station, such as the PNI Escort HP 62.
3. **Connect the Antenna:** Align the BNC connector of the antenna with the radio's antenna port. Push the antenna connector onto the radio's port and twist it clockwise until it locks securely into place. Ensure a firm connection to prevent signal loss.
4. **Verify Connection:** Gently tug on the antenna to confirm it is securely attached to the radio.



Image: Close-up view of the PNI Flex 27 antenna's BNC connector, ready for attachment.



Image: The PNI Flex 27 antenna being connected to the BNC port of a PNI Escort HP 62 portable radio.





Image: The PNI Flex 27 antenna fully attached and ready for operation on a PNI Escort HP 62 radio.

## OPERATING INSTRUCTIONS

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Once the PNI Flex 27 antenna is securely connected to your radio, you can begin operation:

- **Power On Your Radio:** Turn on your compatible radio station according to its specific operating instructions.
- **Select Frequency:** Ensure your radio is tuned to the desired frequency within the 26 - 28 MHz range for optimal performance with this antenna.
- **Optimal Placement:** For best communication range and clarity, operate your radio in an open area with minimal obstructions. The antenna's performance can be affected by surrounding structures, terrain, and other radio interference.
- **Communication Range:** Under ideal conditions, the antenna supports communication up to 3 km. Actual range may vary based on environmental factors, radio power, and receiver sensitivity.

## MAINTENANCE

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To ensure the longevity and optimal performance of your PNI Flex 27 antenna, consider the following maintenance tips:

- **Regular Cleaning:** Periodically wipe the antenna with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive materials.
- **Inspect Connector:** Regularly check the BNC connector for any signs of corrosion, damage, or loose connections. A clean and secure connection is crucial for signal integrity.
- **Avoid Bending:** While the antenna is flexible, avoid excessive or sharp bending, which could damage the internal elements.
- **Proper Storage:** When not in use, store the antenna in a clean, dry place away from extreme temperatures and direct sunlight.

## TROUBLESHOOTING

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If you experience issues with your PNI Flex 27 antenna, consider the following:

- **Poor Signal Reception/Transmission:**
  - Ensure the antenna is securely connected to the radio's BNC port.
  - Check for any visible damage to the antenna or its connector.
  - Verify that your radio is operating within the 26 - 28 MHz frequency range.
  - Move to an open area to minimize obstructions that might be blocking the signal.
  - Test with another known-good antenna if available, to rule out radio issues.
- **Antenna Not Fitting:**
  - Confirm that your radio has a BNC type connector. This antenna is specifically designed for BNC ports.
  - Do not force the connection. If it does not fit easily, re-check alignment or compatibility.

## SPECIFICATIONS

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<b>Model</b>	PNI-FLEX27
<b>Brand</b>	PNI
<b>Antenna Type</b>	Radio
<b>Frequency Range</b>	26 - 28 MHz
<b>Length</b>	480 mm
<b>Connector Type</b>	BNC
<b>Impedance</b>	50 Ohm
<b>Maximum Range</b>	3000 Meters (under ideal conditions)
<b>Product Dimensions (L x W x H)</b>	7L x 7B x 480H millimeters

<b>Item Weight</b>	50 Grams
<b>Color</b>	Black
<b>Country of Origin</b>	China

## WARRANTY INFORMATION

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The PNI Flex 27 antenna comes with a **6-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

## SUPPORT

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For further assistance, technical support, or warranty inquiries regarding your PNI Flex 27 antenna, please contact the manufacturer or your authorized dealer. Refer to the product packaging or the seller's website for specific contact details.