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## Pyramid BNPS102

# Pyramid BNPS102 Dual Bandpass Speaker System Instruction Manual

Model: BNPS102 | Brand: Pyramid

## 1. PRODUCT OVERVIEW

The Pyramid BNPS102 is a high-performance dual bandpass speaker system designed for vehicle audio applications. This system delivers powerful and consistent bass, enhancing your in-car audio experience. It features a robust enclosure with integrated neon accent lighting for visual appeal.



## Key Features:

- **1000 Watts Peak Power:** Delivers powerful audio output.
- **Dual 10-inch Subwoofers:** Equipped with two high-power 4Ω subwoofers.
- **Bandpass Design:** Features a sealed chamber delivering sound through four specially tuned ports for deep, efficient bass.
- **Neon Accent Lighting:** Built-in neon lighting with a Plexi-Glass front window for an attractive custom look.
- **Durable Construction:** Silver polypropylene cones with specially treated black rubber edge suspension and 2-inch high-temperature aluminum voice coils.
- **Compact Dimensions:** Designed to fit in various vehicle types.

## 2. WHAT'S IN THE BOX

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Upon unpacking your Pyramid BNPS102 system, please verify that all components are present and in good condition. The package should contain the following items:

- Pyramid BNPS102 Dual Bandpass Speaker System Enclosure
- User's Manual (this document)
- Remote control for neon accent lighting (if applicable)
- Power cord for neon lighting (if applicable)



Figure 2.1: Illustration of the Pyramid BNPS102 system and its primary components as typically found in the product packaging.

### 3. SPECIFICATIONS

Detailed technical specifications for the Pyramid BNPS102 Dual Bandpass Speaker System are provided below:

Feature	Specification
Model Name	Pyramid BNPS102
Speaker Type	Subwoofer
Speaker Size	Dual 10 Inches
Maximum Output Power	1000 Watts
Impedance	1 Ohm (4 Ohm subwoofers wired in parallel)

Feature	Specification
Frequency Response	35 Hz to 1 kHz
Voice Coil	2-inch High-Temperature Aluminum
Cone Material	Silver Polypropylene
Suspension	Specially Treated Black Rubber Edge
Product Dimensions (D x W x H)	13.98" x 29.34" x 14.57" (approx. 14"D x 28.5"W x 13"H)
Item Weight	43.9 lbs
Special Feature	Bass Boost, Built-in Neon Accent Lighting
Connectivity Technology	Wired (RAC)



Figure 3.1: Visual representation of the Pyramid BNPS102 product dimensions and weight.



Figure 3.2: Close-up view of the BNPS102 specifications label and speaker terminal connections.

## 4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended that installation be performed by a qualified car audio professional. If you choose to install it yourself, please follow these general guidelines carefully.

### 4.1 Safety Precautions

- Disconnect the vehicle's negative battery terminal before starting any wiring.
- Ensure all wiring is properly insulated and secured to prevent short circuits.
- Use appropriate gauge wiring for power and speaker connections.
- Mount the subwoofer securely to prevent movement during vehicle operation.

### 4.2 Wiring Connections

1. **Power Wiring:** Connect a suitable gauge power wire from the vehicle's positive battery terminal to your amplifier's +12V input. An in-line fuse should be installed within 18 inches of the battery.
2. **Ground Wiring:** Connect a short, heavy gauge ground wire from your amplifier's GND input to a clean, unpainted metal surface on the vehicle's chassis.
3. **Remote Turn-On:** Connect a remote turn-on wire from your head unit (or other switched 12V source) to your amplifier's REM input.
4. **Speaker Wiring:** Connect the speaker wires from your amplifier's output terminals to the input terminals on the BNPS102 enclosure. Ensure correct polarity (+ to + and - to -). The BNPS102 has a 1 Ohm impedance.
5. **Neon Lighting Power:** The integrated neon accent lighting requires a separate power connection. Connect the provided power cord for the neon lights to a suitable 12V power source in your vehicle, ensuring it is fused. The remote control operates the lighting.



Figure 4.1: The BNPS102 system is designed to fit conveniently in the trunk or behind the seat of many vehicles.

## 5. OPERATING INSTRUCTIONS

Once the BNPS102 system is properly installed and connected to a compatible amplifier, you can begin operating it.

## 5.1 Amplifier Settings

- **Gain Control:** Adjust the amplifier's gain control to match the output voltage of your head unit. Start with the gain at minimum and slowly increase it until you hear distortion, then back off slightly.
- **Low-Pass Filter (LPF):** Set the amplifier's LPF to a frequency typically between 80Hz and 120Hz. This ensures that only low frequencies are sent to the subwoofer, preventing distortion and improving sound quality.
- **Bass Boost:** Use the bass boost feature sparingly, if at all. Excessive bass boost can lead to distortion and potential damage to the subwoofers.
- **Subsonic Filter:** If your amplifier has a subsonic filter, set it to around 25-30Hz to protect the subwoofers from playing frequencies too low for their design.

## 5.2 Neon Accent Lighting

The BNPS102 features built-in neon accent lighting. This lighting is controlled via the included remote control. Ensure the lighting power cord is connected to a 12V source. Refer to the remote control's specific instructions for changing colors, patterns, or turning the lights on/off.

# BUILT-IN NEON ACCENT LIGHTING



1000 WATTS PEAK POWER

Figure 5.1: The integrated neon accent lighting provides a distinctive visual element to the subwoofer system.

## 6. MAINTENANCE

Regular maintenance will help ensure the longevity and performance of your Pyramid BNPS102 system.

- **Cleaning:** Use a soft, dry cloth to wipe down the enclosure and plexiglass window. Avoid abrasive cleaners or solvents that could damage the finish or materials.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion. Inspect the speaker cones and surrounds for any signs of damage or wear.
- **Ventilation:** Ensure the subwoofer enclosure has adequate ventilation, especially around the ports, to prevent overheating of the internal components.
- **Environmental Conditions:** Avoid exposing the system to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## 7. TROUBLESHOOTING

If you encounter issues with your Pyramid BNPS102 system, refer to the following troubleshooting guide before seeking professional assistance.

Problem	Possible Cause	Solution
No sound from subwoofer	No power to amplifier Loose or incorrect speaker wiring Amplifier in protection mode Head unit settings	Check power, ground, and remote turn-on connections to amplifier. Verify fuses. Ensure speaker wires are securely connected to both amplifier and subwoofer, observing polarity. Check amplifier for fault indicators. Disconnect power, wait, and reconnect. Verify subwoofer output is enabled and volume is up on head unit.
Distorted or unclear bass	Amplifier gain set too high Incorrect LPF setting Damaged speaker cone/voice coil Poor enclosure seal	Reduce amplifier gain. Adjust LPF to recommended range (80-120Hz). Inspect subwoofers for physical damage. If damaged, replacement may be necessary. Check for air leaks around the enclosure or ports.
Neon lighting not working	No power to lighting Faulty remote control Damaged neon tube/LEDs	Check the 12V power connection for the lighting and its fuse. Replace remote battery or try a different remote if available. Contact support if lighting remains inoperable after checking power.

If the problem persists after attempting these solutions, please contact Pyramid customer support or a certified car audio technician.

## 8. WARRANTY INFORMATION

The Pyramid BNPS102 Dual Bandpass Speaker System is covered by a **Two-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.





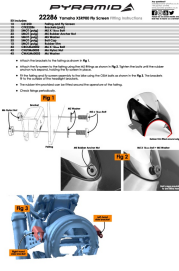
**Important Note:** The warranty does not cover misuse of the product, including but not limited to, improper installation, accidental damage, unauthorized repairs, or operation outside of specified parameters. Please retain your proof of purchase for warranty claims.

## 9. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries regarding your Pyramid BNPS102 system, please contact Pyramid customer service. Refer to the official Pyramid website or your purchase documentation for the most current contact information.

*Please have your model number (BNPS102) and proof of purchase ready when contacting support.*

Related Documents - BNPS102

 <p>Pyramid BNPS Series Bandpass Subwoofer Systems Specifications</p> <p>BNPS102</p>	<p><a href="#">Pyramid BNPS Series Bandpass Subwoofer Systems Specifications</a></p> <p>Detailed specifications and features for Pyramid BNPS Series bandpass subwoofer systems, including models BNPS102 and BNPS122. Learn about woofer size, power handling, frequency response, and dimensions for these car subwoofers.</p>
 <p>Pyramid PSU990KX Bench DC Power Supply</p> <p>AC-to-DC Power Converter with Dual USB Charge Ports, Car Cigarette Lighter Plug (K.S. App)</p> <p>USER MANUAL</p>	<p><a href="#">Pyramid PSU990KX Bench DC Power Supply User Manual</a></p> <p>User manual for the Pyramid PSU990KX Bench DC Power Supply, detailing features, safety instructions, connections, operation, and technical specifications for this AC-to-DC power converter.</p>
 <p>Pyramid 40L Motorcycle Duffle Bag</p>	<p><a href="#">Pyramid 40L Motorcycle Duffle Bag - Waterproof Luggage</a></p> <p>Discover the Pyramid 40L Motorcycle Duffle Bag, a robust and waterproof luggage solution for riders. Features include quick-release straps, ample storage, and easy mounting instructions. Visit <a href="http://pyramidmoto.co.uk">pyramidmoto.co.uk</a> for more.</p>
 <p>Pyramid 3500SS/3600SS/3700SS Smart Site Time Clock &amp; Document Stamp</p> <p>Simple &amp; Smart</p>	<p><a href="#">Pyramid 3500SS/3600SS/3700SS Smart Site Time Clock &amp; Document Stamp User Guide</a></p> <p>Comprehensive user guide for the Pyramid 3500SS, 3600SS, and 3700SS Smart Site Time Clock &amp; Document Stamp. This guide covers setup, programming, features, time card usage, maintenance, and troubleshooting for efficient time tracking and document stamping in small businesses.</p>
 <p>Pyramid Seat Cowl Fitting Instructions for Moto Guzzi V100 Mandello</p>	<p><a href="#">Pyramid Seat Cowl Fitting Instructions for Moto Guzzi V100 Mandello</a></p> <p>Step-by-step fitting instructions for the Pyramid Seat Cowl for the Moto Guzzi V100 Mandello. Includes kit contents and contact information.</p>
 <p>Pyramid Yamaha XSR900 Fly Screen Fitting Instructions</p>	<p><a href="#">Yamaha XSR900 Fly Screen Fitting Instructions</a></p> <p>Detailed fitting instructions for the Pyramid Yamaha XSR900 Fly Screen, including a list of included parts and step-by-step guidance with diagrams.</p>



[Pyramid BNPS Series Bandpass Subwoofer Systems Specifications](#)

Detailed specifications and features for Pyramid BNPS Series bandpass subwoofer systems, including models BNPS102 and BNPS122. Learn about woofer size, power handling, frequency response, and dimensions for these car subwoofers.  
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