NVX QBUS10P

NVX QBUS10P Amplified Under Seat Subwoofer System

User Manual

1. Product Overview

The NVX QBUS10P is a compact, amplified 10-inch ported subwoofer system designed to deliver powerful bass in spatially challenged vehicles. It features a built-in 500W peak (200W RMS) Class-D amplifier, offering robust audio performance without requiring extensive installation space. This system is engineered for ease of integration with both factory and aftermarket audio systems.

- **Space Saver:** Integrated 10-inch subwoofer and 500W peak amplifier for compact installations.
- **Variable Low-Pass Filter:** Adjustable from 50-150 Hz to optimize bass output and prevent high-frequency distortion.
- **Flexible Inputs:** Supports both high-level (speaker wire) and low-level (RCA) inputs for broad compatibility.
- **Automatic Turn-On:** Detects audio signal to automatically power on, simplifying installation by eliminating the need for a remote turn-on wire.
- **Variable Bass Boost:** Allows fine-tuning of low bass levels to personal preference.

Figure 1.1: NVX QBUS10P Amplified Under Seat Subwoofer System with included remote bass knob.

2. Setup and Installation

2.1 Package Contents

Before beginning installation, ensure all components are present:

- NVX QBUS10P Amplified Subwoofer
- Remote Bass Knob with Cable
- High-Level Input Harness
- Mounting Hardware (brackets, screws)
- User Manual

Figure 2.1: Included accessories for the NVX QBUS10P, including mounting hardware and high-level input harness.

2.2 Wiring Connections

Proper wiring is crucial for optimal performance and safety. Refer to the subwoofer's rear panel for connection points.

- **Power (+12V):** Connect to the positive terminal of your vehicle's battery. An in-line fuse (not included, but highly recommended within 12 inches of the battery) should be used for protection. The subwoofer has a built-in 15A fuse.
- **Ground (GND):** Connect to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid connection for proper grounding.
- **Remote Turn-On (REM):** This terminal is optional. The QBUS10P features an automatic turn-on circuit that senses audio input (either high-level or low-level RCA) and powers on the subwoofer. If using this feature, the REM terminal does not need to be connected. If your head unit provides a dedicated remote turn-on output, you may connect it here and disable the auto-turn-on feature via the switch on the unit.
- **Input (Low-Level RCA):** For head units with RCA pre-outs, connect RCA cables from the head unit's subwoofer output to the QBUS10P's Low-Level inputs.
- **Input (High-Level):** For factory or aftermarket head units without RCA pre-outs, use the included high-level input harness. Connect the speaker wires from your head unit's speaker outputs to the corresponding wires on the harness, then plug the harness into the High-Level input port.

Figure 2.2: Rear panel of the NVX QBUS10P, showing power, input, and control connections.

2.3 Mounting Location

The compact design of the QBUS10P allows for versatile mounting options, typically under a seat or in other confined spaces.

- **Under Seat Mount:** This is the primary intended mounting type, utilizing the available space beneath car seats. Ensure adequate clearance for air circulation and cable routing.
- **Secure Mounting:** Use the provided mounting brackets and screws to firmly secure the subwoofer to the vehicle's floor or a stable surface. This prevents movement and enhances bass performance.

Figure 2.3: Example of the NVX QBUS10P subwoofer installed discreetly under a car seat.

Figure 2.4: The NVX QBUS10P features a durable enclosure with the NVX logo.

3. Operating Controls and Adjustments

The QBUS10P offers several controls on its rear panel to fine-tune audio output:

- **Phase Switch (0°/180°):** Adjusts the phase of the subwoofer's output relative to the main speakers. Experiment with both settings to find the one that provides the most cohesive and impactful bass.
- **Low-Pass Filter (LPF) (50Hz-150Hz):** Controls the upper frequency limit of the subwoofer. Set this to blend smoothly with your main speakers, typically between 80Hz and 120Hz.
- **Bass Boost (0dB-12dB):** Increases the output at a specific low frequency. Use sparingly to avoid distortion.
- **Input Volts (0.15V-6V):** Matches the output voltage of your head unit's RCA pre-outs or speaker-level outputs to the subwoofer's input sensitivity. Adjust this for optimal signal level without distortion.
- **Auto Power On Switch:** Toggles the automatic turn-on feature. Set to 'ON' if using high-level or low-level inputs without a remote turn-on wire. Set to 'OFF' if using a dedicated remote turn-on wire.

3.1 Remote Bass Knob

The included remote bass knob provides convenient control over the subwoofer's output level from the driver's seat. Connect it to the 'REMOTE CONTROL' port on the subwoofer's rear panel.

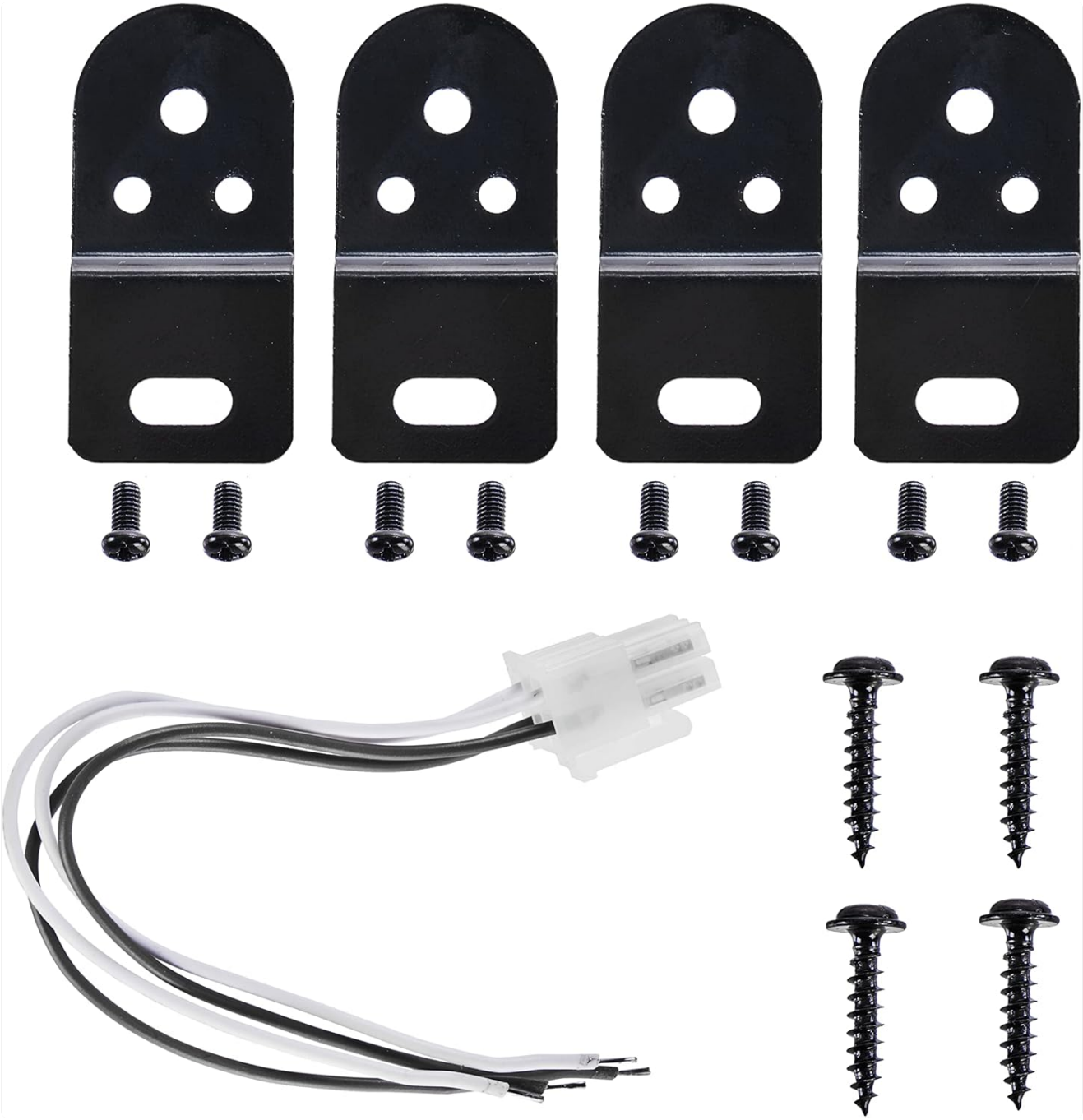


Figure 3.1: The remote bass knob allows for convenient adjustment of subwoofer output level.

4. Maintenance

To ensure the longevity and optimal performance of your NVX QBUS10P subwoofer, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the subwoofer. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure the subwoofer's vents are not obstructed to allow for proper heat dissipation.
- **Connection Checks:** Periodically inspect all wiring connections (power, ground, inputs) to ensure they are secure and free from corrosion.

5. Troubleshooting

If you experience issues with your QBUS10P subwoofer, consult the following table:

Problem	Possible Cause	Solution
No Power (Power LED Off)	Blown fuse; Loose power/ground connection; No remote turn-on signal (if auto-on is off)	Check and replace 15A fuse; Verify all power and ground connections; Ensure auto-on is enabled or remote wire is connected and receiving signal.
No Sound (Power LED On)	Input signal issue; Gain/Input Volts set too low; Low-Pass Filter set too low; Phase incorrect	Check RCA/High-Level input connections; Adjust Gain/Input Volts; Adjust LPF; Experiment with Phase switch.
Distorted Sound	Gain/Input Volts set too high; Bass Boost too high; Poor input signal quality	Reduce Gain/Input Volts; Lower Bass Boost; Check head unit settings and input signal quality.
Subwoofer Overheating (Protect LED On)	Insufficient ventilation; Impedance mismatch; Prolonged high-volume use	Ensure proper airflow around the unit; Verify speaker impedance (4 Ohm); Reduce volume or allow unit to cool down.

6. Specifications

Detailed technical specifications for the NVX QBUS10P:

Feature	Specification
Model Name	QBUS10P
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches
Speaker Maximum Output Power	500 Watts (Peak)
RMS Power	200 Watts
Mounting Type	Under Seat Mount
Product Dimensions (D x W x H)	13.6"D x 10.3"W x 3.2"H
Item Weight	11.14 pounds
Connectivity Technology	RCA, High-level (Speaker-level)
Controller Type	Remote Control
Audio Output Mode	Stereo
Input Voltage	6 Volts (for RCA input sensitivity)
Included Components	1 x Speaker (Subwoofer Unit)

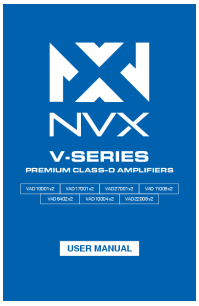
Figure 6.1: Dimensions of the NVX QBUS10P subwoofer for installation planning.

7. Warranty and Support

The NVX QBUS10P comes with a limited warranty. For detailed warranty information, product support, or to contact customer service, please visit the official NVX store or contact their support channels.
NVX Official Store: https://www.amazon.com/stores/NVX/page/61287025-4741-48F6-876D-1B3C570566E5

Related Documents - QBUS10P

	NVX VC-Series Subwoofers User Manual This user manual provides detailed specifications, enclosure recommendations, warranty information, and service instructions for the NVX VC-Series subwoofers, including models VCW122V3 and VCW124V3.
	NVX XC-Series Subwoofers User Manual and Specifications User manual for NVX XC-Series subwoofers, including detailed specifications, enclosure recommendations, and warranty information for models XCW121, XCW122, XCW151, and XCW152.
	NVX XDSP28 Bluetooth Digital Signal Processor User Manual Comprehensive user manual for the NVX XDSP28 Bluetooth Digital Signal Processor, covering installation, control panel functions, audio processing, troubleshooting, and warranty information.

	[NVX VADM Series Owner's Manual] Owner's manual for the NVX VADM series audio amplifier, detailing installation, connections, and safe operation.
	[NVX V-Series Premium Class-D Amplifiers User Manual] Explore the NVX V-Series Premium Class-D Amplifiers with this detailed user manual. Learn about installation, features, specifications, and warranty for models like VAD10001v2, VAD8402v2, and VAD22008v2. Optimize your car audio system with NVX's high-performance amplifiers.
	[Crestron DM NVX AV-over-IP System Design Guide] A comprehensive design guide for the Crestron DM NVX AV-over-IP system, detailing endpoint and network design, installation procedures, and case studies for digital video and audio distribution over Ethernet.