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Proxel AV 908

Proxel AV-908 Desktop Microphone User Manual

Model: AV-908 | Brand: Proxel



1. INTRODUCTION

Thank you for choosing the Proxel AV-908 Desktop Microphone. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device. Please read this manual thoroughly before using the microphone to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Power Supply:** Use only the specified 9V DC power supply or a compatible 9V battery. Incorrect voltage can damage the device.
- Environment:** Do not expose the microphone to water, moisture, extreme temperatures, or direct sunlight. Operate in a dry, stable environment.
- Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.
- Ventilation:** Ensure proper ventilation around the unit to prevent overheating.
- Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Servicing:** Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Proxel AV-908 Desktop Microphone Unit
- Connection Cable with RJ-45 Connector and Bare Wires
- User Manual (this document)

4. PRODUCT OVERVIEW

The Proxel AV-908 is a high-sensitivity desktop microphone designed for clear and consistent vocal transmission. It features an integrated dynamic vocal compressor and a graphic equalizer for enhanced audio control.



Figure 1: Proxel AV-908 Desktop Microphone. The image displays the Proxel AV-908 desktop microphone unit. It features a main base unit with various controls and a display, and a flexible gooseneck microphone extending upwards from the base. The base includes sliders for the graphic equalizer and buttons for operation.

Key Features:

- High-sensitivity ceramic microphone capsule.
- Integrated dynamic vocal compressor with High, Med, and Low modes for consistent audio levels.
- 4-element graphic equalizer (270, 540, 1000, 2000 Hz) for fine-tuning audio output.
- Built-in modulation prevention circuit with a 30-second alarm for prolonged transmission.
- Integrated battery test circuit to check power supply status.

5. SETUP

1. **Power Connection:** Insert a 9V battery into the battery compartment located on the underside of the unit, observing polarity. Alternatively, connect a compatible 9V DC power adapter (not included) to the DC input jack.
2. **Radio Connection:** Connect the supplied RJ-45 cable to the microphone's output port. Connect the other end of the cable (RJ-45 or bare wires, depending on your radio model) to the microphone input of your ICOM, YAESU, or Kenwood radio. Refer to your radio's manual for specific wiring diagrams if using bare wires.
3. **Placement:** Place the microphone on a stable, flat surface away from sources of interference. Adjust the gooseneck microphone to a comfortable speaking position.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Battery Test

- To power on the unit, press the power button. The battery test circuit will briefly display the battery charge level and supply voltage.
- To power off, press the power button again.

6.2 Dynamic Vocal Compressor

The integrated dynamic vocal compressor helps maintain a consistent audio output level, reducing distortion. Select one of the following modes:

- **High:** Provides 45dB of compression, suitable for very consistent audio.
- **Med:** Provides 30dB of compression, a balanced setting for most uses.
- **Low:** Provides 10dB of compression, for minimal audio leveling.

Adjust the compressor mode using the dedicated switch or buttons on the unit.

6.3 Graphic Equalizer

The 4-element graphic equalizer allows you to fine-tune your audio for optimal performance in FM and SSB modes, especially for DX (long-distance) communication. Adjust the sliders for the following frequencies:

- 270 Hz
- 540 Hz
- 1000 Hz
- 2000 Hz

Each element has a range of +12dB. Experiment with settings to achieve the desired audio quality for your voice and operating conditions.

6.4 Modulation Prevention Circuit

This circuit provides an audible alarm for 30 seconds if a prolonged transmission is detected. After the alarm, the unit will automatically return to receive mode to prevent accidental continuous transmission.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the microphone and base unit with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** When the battery test indicates low power, replace the 9V battery promptly to ensure consistent performance.
- **Storage:** If storing the microphone for an extended period, remove the battery to prevent leakage. Store in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery depleted or incorrectly inserted; power adapter not connected or faulty.	Replace battery or check battery polarity. Ensure power adapter is securely connected and functional.
No audio output	Microphone not connected to radio; radio input not selected; microphone settings incorrect.	Check cable connections to both microphone and radio. Ensure radio is set to external microphone input. Verify compressor and equalizer settings.

Problem	Possible Cause	Solution
Distorted audio	Compressor setting too high; equalizer settings incorrect; speaking too close to microphone.	Adjust compressor to Med or Low. Reset equalizer settings or adjust them. Maintain appropriate distance from the microphone.
Modulation prevention alarm sounds frequently	Prolonged transmission.	Ensure you are not transmitting continuously for more than 30 seconds. This is a safety feature.

9. SPECIFICATIONS

Feature	Detail
Microphone Type	High-sensitivity ceramic element
Compression Levels	High: 45dB, Med: 30dB, Low: 10dB
Signal-to-Noise Ratio (S/N)	80dB (with graphic equalizer)
Distortion Factor	0.05% (in linear area)
Graphic Equalizer	4 elements (270, 540, 1000, 2000Hz), +12dB range
COMP Output Voltage	0-30mV (RMS)
Output Impedance	500Ω - 100kΩ
Power Supply	9V DC (Battery Powered)
External Dimensions (L x D x H)	227 x 130 x 320 mm
Weight	Approx. 1000 g
Connectivity Technology	Auxiliary
Connector Type	RJ-45
Compatible Devices	Amplifier (ICOM, YAESU, Kenwood radios)
Polar Pattern	Unidirectional

10. WARRANTY AND SUPPORT

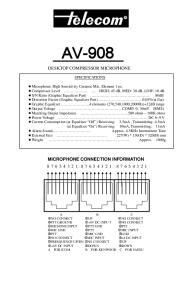
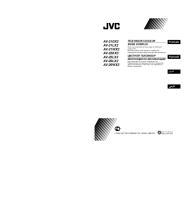
For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your local Proxel dealer. You may also visit the official Proxel brand store for more information:

[Proxel Official Store](#)

Please have your product model (AV-908) and purchase details ready when contacting support.



Related Documents - AV 908

	<p>Catalogo Accessori Radioamatoriali e CB 2009 - Hardsoft Products</p> <p>Esplora il catalogo completo di accessori per radioamatori e CB di Hardsoft Products per il 2009. Trova microfoni, antenne, batterie e alimentatori dei marchi Proxel, Sirio, Kenwood, Motorola, Yaesu, Icom e altri.</p>
	<p>Proxel EPS-FRONT 4.0: Installation Guide and User Manual</p> <p>Comprehensive installation instructions and user manual for the Proxel EPS-FRONT 4.0 front parking sensor system. Learn how to mount the antenna sensor, make electrical connections, and test the system for optimal parking assistance.</p>
	<p>AV-908 Desktop Compressor Microphone - User Manual and Specifications</p> <p>Detailed user manual and specifications for the Telecom AV-908 Desktop Compressor Microphone, covering features, controls, connections, and operational instructions.</p>
	<p>How to Access AViPAS Cameras via IP - Network Configuration Guide</p> <p>Step-by-step guide to accessing AViPAS IP cameras by connecting them directly to your computer via Ethernet, with detailed network configuration instructions for Windows and macOS.</p>
	<p>Manuel d'utilisation Téléviseur Couleur JVC AV-21DX3, AV-21LX2, AV-21WX3, AV-25KX3, AV-25LX3, AV-29LX2, AV-29WX3</p> <p>Découvrez comment utiliser et configurer votre téléviseur couleur JVC (modèles AV-21DX3, AV-21LX2, AV-21WX3, AV-25KX3, AV-25LX3, AV-29LX2, AV-29WX3) avec ce manuel d'instructions complet. Apprenez les consignes de sécurité, les connexions, les réglages initiaux, l'utilisation de la télécommande et le dépannage.</p>
	<p>JVC Color Television User's Guide - Models AV-36150 to AV-27150</p> <p>Comprehensive user manual for JVC Color Televisions, covering setup, connections, remote controls, menu functions, safety precautions, troubleshooting, warranty, and specifications for models AV-36150, AV-36120, AV-35155, AV-32150, AV-32120, AV-32115, and AV-27150.</p>