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## Valcom VC-V-9972

# Valcom VC-V-9972 E&M Paging Adapter User Manual

Model: VC-V-9972 | Brand: Valcom

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Valcom VC-V-9972 E&M Paging Adapter. The VC-V-9972 is designed to integrate paging systems with ISDN Centrex applications, facilitating seamless communication within various environments. Please read this manual thoroughly before attempting to install or operate the device.

## 2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the device and ensure user safety:

- Ensure all power sources are disconnected before installation or maintenance.
- Do not expose the device to moisture or extreme temperatures.
- Only qualified personnel should perform installation and servicing.
- Use only Valcom-approved accessories and power supplies.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Valcom VC-V-9972 E&M Paging Adapter Unit
- Instruction Manual (this document)
- Mounting Hardware (screws, anchors, if applicable)
- Power Adapter (if external)

## 4. PRODUCT OVERVIEW

The Valcom VC-V-9972 is a robust computer component designed to bridge E&M paging systems with ISDN Centrex environments. It facilitates audio routing and control signals for effective paging communication.



**Figure 4.1:** Front view of the Valcom VC-V-9972 E&M Paging Adapter. The device is a compact, white rectangular unit with a dark grey panel on the right side, featuring indicator lights and possibly control labels. It is designed for wall or rack mounting.

## Key Features:

- Designed for ISDN Centrex Applications.
- Facilitates E&M paging integration.
- Compact and durable design.
- Compatible with Paging Amplifiers and Paging Speakers.

## 5. SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance. Follow these steps carefully:

1. **Mounting:** Select a suitable location for mounting the adapter, ensuring it is away from direct heat sources and moisture. Use the provided mounting hardware to secure the unit to a wall or rack.
2. **Power Connection:** Connect the appropriate power adapter (if external) to the unit and then to a standard

electrical outlet. Do not power on the device yet.

3. **E&M Interface Connection:** Connect the E&M interface cables from your paging system to the designated E&M ports on the VC-V-9972. Refer to your paging system's manual for specific E&M wiring diagrams.
4. **Centrex/ISDN Connection:** Connect the appropriate cables from your ISDN Centrex system to the corresponding input ports on the adapter. Ensure correct polarity and pin assignments.
5. **Paging Amplifier/Speaker Connection:** If connecting directly to a paging amplifier or speakers, use the designated audio output ports on the VC-V-9972.
6. **Power On:** Once all connections are secure, connect the power adapter to the electrical outlet or switch on the power supply. Observe the indicator lights for proper operation.
7. **Initial Testing:** Perform a test page to verify audio transmission and control signal functionality.

## 6. OPERATING INSTRUCTIONS

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The Valcom VC-V-9972 operates primarily as an interface between your paging system and the ISDN Centrex. Once properly installed, its operation is largely automatic, translating signals between the two systems.

- **Paging Activation:** Initiate a page through your connected telephone system or dedicated paging console. The adapter will detect the E&M signal and route the audio to the connected paging amplifier/speakers.
- **Indicator Lights:** Monitor the status indicator lights on the front panel. These lights provide visual feedback on power status, E&M signal detection, and audio transmission. Refer to the device's label for specific light indications.
- **Volume Control:** Adjust the paging volume through your connected paging amplifier, not directly on the adapter.

## 7. MAINTENANCE

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The Valcom VC-V-9972 requires minimal maintenance to ensure long-term reliability.

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the device's ventilation openings are not obstructed to prevent overheating.
- **Cable Inspection:** Regularly inspect all connected cables for signs of wear or damage. Replace any damaged cables immediately.

## 8. TROUBLESHOOTING

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If you encounter issues with your Valcom VC-V-9972, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No Paging Audio	<ul style="list-style-type: none"><li>◦ No power to the adapter.</li><li>◦ Incorrect E&amp;M or audio connections.</li><li>◦ Paging amplifier off or faulty.</li><li>◦ Volume too low on amplifier.</li></ul>	<ul style="list-style-type: none"><li>◦ Check power supply and indicator lights.</li><li>◦ Verify all cable connections and polarity.</li><li>◦ Ensure paging amplifier is powered on and functional.</li><li>◦ Adjust amplifier volume.</li></ul>

Problem	Possible Cause	Solution
Distorted Audio	<ul style="list-style-type: none"> <li>◦ Improper audio level settings.</li> <li>◦ Damaged audio cables.</li> <li>◦ Interference.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Adjust input/output levels on the paging amplifier.</li> <li>◦ Inspect and replace audio cables if necessary.</li> <li>◦ Relocate the unit away from sources of electrical interference.</li> </ul>
Paging Not Activating	<ul style="list-style-type: none"> <li>◦ Incorrect E&amp;M wiring.</li> <li>◦ Issue with Centrex/ISDN system.</li> <li>◦ Adapter malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Review E&amp;M wiring diagram and connections.</li> <li>◦ Consult your Centrex/ISDN system administrator.</li> <li>◦ Contact Valcom support if other solutions fail.</li> </ul>

## 9. SPECIFICATIONS

Technical specifications for the Valcom VC-V-9972 E&M Paging Adapter:

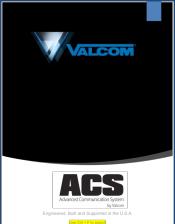
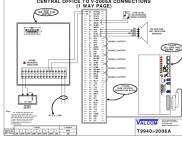
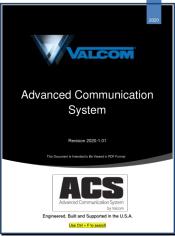
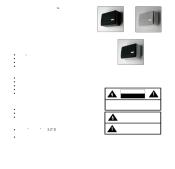
- **Model Number:** VC-V-9972
- **Brand:** Valcom
- **Product Type:** Computer Component
- **Item Weight:** 3.54 pounds (1.61 kg)
- **Package Dimensions:** 14.9 x 9.8 x 4.2 inches (37.85 cm L x 24.89 cm W x 10.67 cm H)
- **Color:** White
- **Compatible Devices:** Paging Amplifier, Paging Speaker
- **Connector Type:** Component
- **Specific Uses For Product:** Personal (Note: This is from product data, but typically for commercial/institutional paging)
- **Country Of Origin:** China
- **First Available:** September 14, 2004

## 10. WARRANTY AND SUPPORT

Valcom products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Valcom website or contact their customer service department. Keep your purchase receipt as proof of purchase.

### Valcom Contact Information:

- **Website:** [www.valcom.com](http://www.valcom.com) (Example link, actual link may vary)
- **Customer Service:** Refer to the website for regional contact details.

	<p><a href="#"><u>Valcom Advanced Communication System (ACS) Manual - Revision 2020-1.00</u></a></p> <p>Explore the Valcom Advanced Communication System (ACS) manual, Revision 2020-1.00, detailing its features, components like the CPU Card and station cards, and system programming for commercial, government, and educational facilities. Learn about talkback intercoms, paging, and custom audio integration.</p>
	<p><a href="#"><u>Valcom V-9940 and V-2006A/V-2006AHF Central Office Connection Guide</u></a></p> <p>Technical guide detailing the central office connection procedures for Valcom V-9940 One Zone Page Adapter with V-2006A (1 Way Page) and V-2006AHF (Talkback Page) Six Zone Page Control Units, including wiring diagrams, pin assignments, and switch settings.</p>
	<p><a href="#"><u>Valcom Advanced Communication System Installation Manual</u></a></p> <p>This document provides detailed information and installation instructions for the Valcom Advanced Communication System (ACS). It covers system components, wiring, programming, and troubleshooting for commercial, government, and educational facilities.</p>
	<p><a href="#"><u>Valcom VIP-102B IP Solutions Setup Tool Reference Manual</u></a></p> <p>Comprehensive reference manual for the Valcom VIP-102B IP Solutions Setup Tool, detailing configuration, management, and troubleshooting of Valcom IP paging systems and devices.</p>
	<p><a href="#"><u>Valcom EZ-SPWSL ezIP SlimLine Wall Speaker: Specifications and Installation Guide</u></a></p> <p>Comprehensive technical specifications, features, installation guide, and safety information for the Valcom EZ-SPWSL ezIP SlimLine IP Wall Speaker. Learn about its access methods, network connectivity, mounting, setup, and support.</p>
	<p><a href="#"><u>Valcom VE8090R SIP Intercom Controller Integration with Avaya IP Office</u></a></p> <p>This document provides detailed application notes and configuration steps for integrating the Valcom VE8090R SIP Intercom Controller with Avaya IP Office Server Edition using a SIP trunk. It covers network setup, SIP parameters, codec verification, and testing procedures for two-way audio intercom and one-way group paging calls.</p>