

VIP-801 NETWORKED PAGE ZONE EXTENDER

INTRODUCTION

The VIP-801 Networked Page Zone Extender enables voice access to a single zone of one-way paging over an IP-based LAN/WAN. This allows page zone extension anywhere on the network.

SPECIFICATIONS

Features

- 1 Audio Input
- 1 Audio Output
- 2 Form C Relays
- 1 Contact Closure Input
- RJ-45 for network connection
- Front panel activity LED
- Provides audio for up to 150 Valcom one-way amplified speaker assemblies
- AUX audio input via RCA jack
- Contact closure or VOX operation of audio input
- Removable screw terminal connectors provided for audio and relay interface
- Page with music output, music mutes during page
- Output control contact closure provided during paging output
- Compatible with 25 or 70 Volt amplifiers
- 2.5mm jack for DC power
- Power over Ethernet 802.3af Compliant

Dimensions/Weight

- 1.38 H x 6.13" W x 5.25" D
(3.50cm H x 15.6cm W x 13.33cm D)
- Weight: 1.25 lbs. (0.57 kg)



Nominal Specifications

Input Impedance:	600 Ohms
Input Level:	-10dBm nominal
Voice Switch Sensitivity:	-21dBm
Music Source Input Impedance:	8 to 600 Ohms
Music Input Level:	-10dBm nominal
Output Impedance:	50 Ohms
Output Level:	- 10dBm nominal
Relay Current:	1 Amp @ 24VDC

Nominal Power Requirements

Via rear panel barrel connector:

Voltage:	24VDC
Current:	325mA

Via 802.3af PoE Ethernet Switch:

802.3af:	Class 3
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Environment

Temperature:	0 to +40° C
Humidity:	0 to 85% non-precipitating

INSTALLATION

FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

Precautionary Designations

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electric shock, Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Packing List

Qty.	Item
1	VIP-801
1	VIP-101 Setup CD
1	VSP Document
2	Mounting Brackets
4	Rubber Feet
6	Wood Screws
1	RJ-45 Patch Cable

Mounting

The VIP-801 is designed for wall or table mounting.

Table: Provided with the VIP-801 are four rubber stick on feet. Peel these feet off their carrier backing and place at the four corners of the bottom of the unit.

Wall: Using the template and instructions provided, secure the VIP-801 to the wall.

Power Connections

The preferred method of powering a VIP-801 is via a power over Ethernet switch meeting the 802.3af specification. The Valcom VIP-908 Ethernet switch is ideal for this purpose and will power up to 7 VIP-800 series devices.

If the rear panel barrel connector is used for power, the preferred power supply is a Valcom VIP-324.

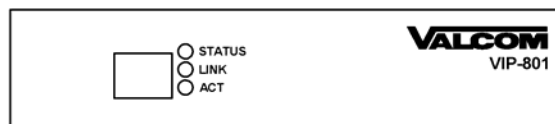
Make all required signal connections before applying power to the unit. If powering via 802.3af, make sure all signal connections via the back panel are made then connect the VIP-801 to the Ethernet switch.

If power is supplied via the barrel connector, make sure all signal connections are secure. Attach the unit to the network via the front panel RJ-45 Ethernet connector. Apply power by plugging the power supply into the VIP-801 via the barrel connector on the rear of the VIP-801.

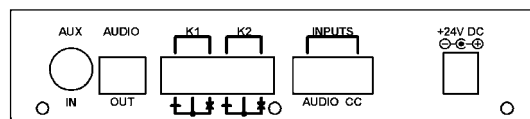
Network Connection

The VIP-801 has one CAT-5 RJ-45 network connector on the front panel.

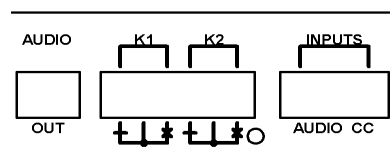
Use one of the supplied CAT-5 patch cables to connect the VIP-801 to an Ethernet switch. If the Ethernet switch is 802.3af compliant the VIP-801 will draw power from it.



VIP-801 Front Panel



VIP-801 Rear Panel



VIP-801 I/O Connectors

Signal Connections

The VIP-801 has 4 signal connectors on the rear panel.

- RCA jack for AUX audio input
- 2 Pin screw terminal for audio output
- 6 Pin screw terminal for relay connections
- 4 Pin screw terminal for audio input and contact closure input

AUX Input: Local audio input is via the rear panel RCA jack. Nominal input impedance is 600 Ohms. Connect any compatible audio source using an RCA patch cable.

Audio Channels: Access to the networked audio is via screw terminals on the rear panel.

The audio input and contact closure input share a four pin screw terminal connection. Neither input is polarity sensitive. The contact closure is on the right two terminals and is labeled "CC".

Relay Channels: Access the two form C relays is provided via a six pin screw terminal block. The relays are labeled K1 and K2. Each relay is brought out on three terminals. The common contact is the middle terminal with the normally closed contact on the left and the normally open contact on the right. Relay contacts are rated for 1A @ 24VDC.

Status Indicator Lights

The VIP-801 has 3 status indication lights on the front panel.

STATUS: Flashes then illuminates to indicate power.

LINK: Indicates 100 Mbit Ethernet connection when illuminates. No activity indicates 10 Mbit connection.

ACT: Indicator flashes to indicate network activity.

TECHNICAL ASSISTANCE

When trouble is reported, verify power is being supplied to the unit and there are no broken connections. Check voltages for proper polarity to the one-way amplified speakers. If a spare unit is available, substitute a spare unit for the suspected defective unit.

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or via email at support@valcom.com.

When requesting assistance, you should include all available information. It is strongly suggested that you go to the web site and follow the trouble resolution procedure at <http://voip.valcom.com>.

Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

**Valcom, Inc.
Repair & Return Dept.
5614 Hollins Road
Roanoke, Va. 24019-5056**

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This warranty is in lieu of and excludes all other warranties, expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.