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

Environment

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

Packing List

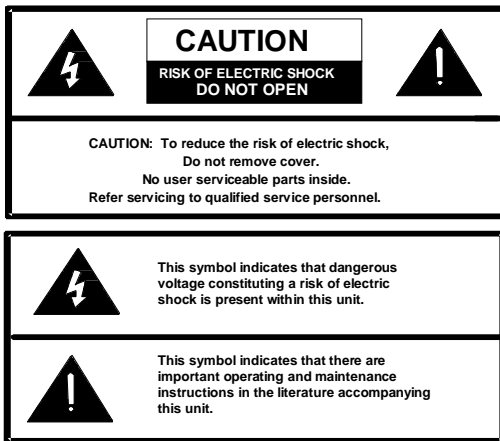| Qty	Item
1	VIP-801
1	VIP Setup CD
1	VSP Document
2	Mounting Brackets
4	Rubber Feet
6	Wood Screws
1	RJ-45 Patch Cable

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

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┌─────────────────────────────────────────┐
│  ⚡        ┌──────────────────┐      ⚠   │
│           │     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. │
└─────────────────────────────────────────┘
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┌─────────────────────────────────────────┐
│  ⚡      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.                        │
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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.

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.

Signal Connections
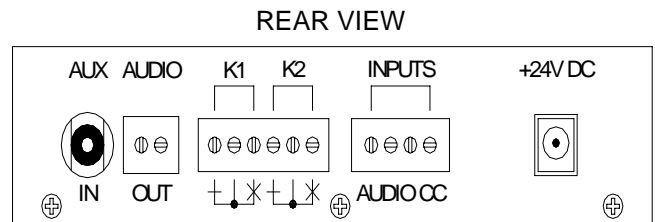The VIP-801 has 4 I/O connectors on the rear panel:

- 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.

REAR VIEW

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┌────────────────────────────────────────────────────────┐
│  AUX  AUDIO    K1    K2      INPUTS      +24V DC          │
│                                                          │
│  ⊙   ⊙⊙   ⊙⊙⊙⊙⊙⊙   ⊙⊙⊙⊙       ⊙         │
│   IN   OUT   ⊥ ⏚  ⊥ ⏚    AUDIO CC                         │
│  ⊕                              ⊕              ⊕          │
└────────────────────────────────────────────────────────┘
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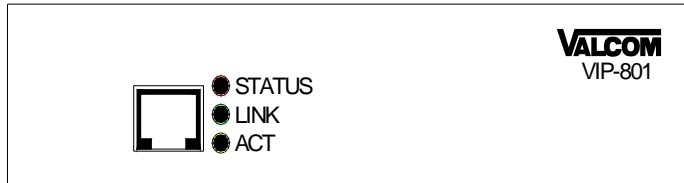
Status Indicator Lights

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

STATUS: Flashes to indicate power.
LINK: Indicates 100 Mbit Ethernet connection when illuminates. No activity indicates 10 Mbit connection.

ACT: Indicator flashes to indicate network activity.

FRONT VIEW

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: