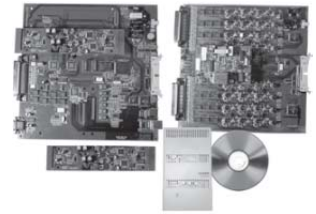


Technical Specification

The Valcom MultiPath™ Paging System is a multi-path paging/signaling/program distribution system that is designed to interface with a telephone system. It employs state-of-the-art, digital technology and will connect to distributed amplified components. It is modular, microprocessor-controlled, PC-programmable and provides the following standard features:



FEATURES:

- One way voice paging from any telephone station to a zone, group of zones, or all zones.
- One way voice paging to a user-defined temporary (on the fly) group zone.
- Emergency paging from selected telephone stations to a zone, group of zones, or all zones.
- One way priority override voice paging to all zones from a microphone.
- Two way (talkback) communication between a telephone and a speaker.
- Door control and entry control.
- Distribution of discreet signal tones to a zone, group of zones or all zones.
- Tones may be used for night ring, time signals, alert signals, or other communication (programmable).
- Distribution of program material to a zone, group of zones or all zones.
- Program sources may include music, speech or signals from radio, tape, CD, cable, or digital audio messaging units (programmable).
- Preannounce and privacy tones (programmable).
- Class of Service, day and night (programmable).
- Two, three or four-digit architectural numbering (programmable).
- Synthesized Emergency Voice Announce.
- Emergency Restricted Access Mode.
- ADA – Area of Rescue Inputs
- Serial output for system activity reporting (SMDR).
- On-site or remote programming and diagnostics from a Windows® based PC.

The system is capable of providing the following optional features:

- Store and forward intelligent messages tacking.
- Desktop administrative stations with visual display, call queuing, and calling line identification.
- Distribution of alert signals via strobe lights.

Specifications:

NOMINAL SPECIFICATIONS

Tip and Ring Input Impedance: 600 W Nominal
Line Voltage: ≈ -50 VDC
Line Current: ≈ 30mA
Ring Voltage: ≈ 65V Peak 20 Hz

DTMF

Input: ≈ -29 dBm
Detect time: ≈ 40 mSec

DATA PORTS

Program: 2400 Baud 8 Bits 1 Stop No Parity
SMDR: Selectable 300, 600, 1200, 2400 Baud
8 Bit 1 Stop No Parity

MAIN UNIT CONTROLS

Tone level for internally generated tones
Phone to speaker/speaker to phone levels

PAGE AMPLIFIERS

Amp Output: 1 Watt Per Station
Distortion: < 1% @ 800 MW

AUX 1, 2, 3 INPUTS (AUDIO)

Impedance: 10k \wedge Nominal
Input Level: -10 dBm Nominal

RELAY CONTACTS: 2 FORM C

30 Vdc, 2 Amp
125 Vac, .5 Amp

POWER REQUIREMENTS

V-CPU5: 24 Vdc, 2 Amp
V-STX: 24 Vdc, 2 Amp

ENVIRONMENT

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

TONES PROVIDED

Hi/Lo Tone	Warble
High	Low
High Chime	Low Chime

MultiPath is registered Trademark of Valcom, Inc.

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Technical Specification

ARCHITECTS' AND ENGINEERS

The MultiPath™ Paging System is a combination of zone and feature cards, connected and housed in a single wall rack (up to 48 zones), a double wall rack (up to 96 zones), a basic 19" rack cabinet (up to 192 zones) or an expanded rack 19" cabinet (up to 360 zones).

The system is accessed through up to four loop start trunk ports from any or multiple telephone systems. Page announcements may be broadcast simultaneously to different zones, without interrupting tone and program distribution to other zones.

The system may be connected to Valcom self-amplified one-way speakers and horns with built-in volume controls, or Valcom talkback speakers and horns. An unlimited number of Valcom one-way speakers and horns can be connected to each zone.

The system may also be connected to Valcom desktop administrative stations (4 maximum), wall-mounted digital message displays, or strobe alerts.

The system may also be connected to multiple microphones, door entry systems, music sources, call-in switches, or time clocks.

The system has an SMDR serial output for system activity reporting.

Capacity

The system has the following maximum capacities:

- 360 one way or talkback zones, with an unlimited number of Valcom speakers per one way zone.
- 1024 scheduled time event.
- 72 group zones.
- 9 discreet signal tones.
- 8 contact connections.
- 8 simultaneous communication paths.
- 6 pushbutton inputs.
- 4 ports for administrative display stations.
- 3 program inputs.
- 2 synthesized voice channels.
- Microphone input.

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 re-placement, 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 in any way 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, Inc. 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.

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