Valcom, the largest provider of telephone integrated paging systems in the world, knows and understands our customer's needs – we've been doing this for 30 years! It has always been our philosophy to listen to our customers and to provide the highest quality loudspeaker paging and telecommunication system enhancement products. That's why Valcom is the standard product offering for major telephone companies and the overwhelming choice of the Fortune 500 companies.

Valcom’s extensive array of paging products are Made in the U.S.A. in our state-of-the-art facility in Roanoke, Virginia and can help you deliver

**The Right Message . . .
To the Right People . . .
At the Right Time!™**
Real Time Voice Announcements
Instantaneously Provide Critical Information and Clear, Concise Directions in Emergencies to Large Numbers of People!

Valcom systems broadcast emergency information and evacuation/relocation directives through loudspeakers, horns, visual signs and strobe lights conveniently installed in all areas where people may be located, both indoors and outdoors. Valcom systems allow critical information to be distributed faster and more completely than any other method of notification.

Alert & Evacuation Tones
Integrate emergency tones over your paging system for the most effective way to provide instantaneous advisement of fires, tornadoes, chemical leaks, etc. Assign distinctive tones to specific situations or levels of danger to provide an efficient and cost effective way to protect your most valuable asset — your skilled work force.

All Call Emergency Paging
Simultaneously broadcast live announcements through all speakers in the system. Real time voice is the most efficient way to disseminate critical information that can save lives and minimize injury.

Voice Over Internet Protocol VoIP
Extend paging signal or telephone and intercom conversations over LAN/WAN to connect remote buildings and complexes.

Battery Back-Up
Continue to page during a power failure. This important and cost effective option allows communication with employees while power is out.

Employee Alarm Systems
All call paging and priority system paging access for emergency message distribution provides the needed functionality to alert employees during workplace or natural disasters.

Multiple Building Paging (Over Existing Premise Wiring)
Network multiple buildings together to create one system for facility wide voice notification. Valcom paging systems can be networked using spare phone wiring already installed or may be linked through any customer LAN/WAN data network to provide connectivity without having to trench or install new cabling.
Valcom’s Distributed Amplified Technology was designed specifically for the telephone/datacom world! Each one-way paging speaker provides a built-in amplifier and volume control. These speakers are essentially independent public address systems that can be networked together in a building block concept that allows easy system configuration and flexible modification as customer needs change.

Best of all, these speakers are networked together using standard telephone/datacom low voltage wiring (CAT 5/6). This technology allows customers to take advantage of in-place wiring and assures the value of new wiring which can be used for future generations of paging, telephone and datacom systems. Traditional 70 volt systems MUST use shielded wiring to prevent serious consequences from high voltage, high frequency signals radiating into datacom and telephone circuits.

Valcom offers significantly higher system efficiency and superior response by optimizing each amplifier/speaker combination. Utilizing high efficiency American made speaker components eliminates transformer power losses characteristic of 70 volt systems. The net result is a reduction in cost, power dissipation and a dramatic increase in system efficiency and reliability due to the inherent system redundancy.

What is a Zone?
A zone can be any area, any size that you determine. It’s usually an area where the same overhead pages would need to be heard.

Within a zone you can have as many different types of speakers as you want. From basic overhead round ceiling speakers, to high-fidelity sound, to horns for water-proof areas, to door entry speakers and many more.
Designing a System
Is Easy As 1-2-3

Easy Selection Considerations:
- Number of Zones
- One-Way or Talkback

Easy Selection Considerations:
- Number of Zones
- One-Way or Talkback

One-Way Page Controls

<table>
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<td>Background Music</td>
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<td>All Call</td>
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<td>Group Call</td>
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<td>Emergency Page Override</td>
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<tr>
<td>Night Ring/Time Clock Tones</td>
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<tr>
<td>Valcom Power Units Provided</td>
<td>+ 12</td>
<td>+ 20</td>
<td>+ 20</td>
<td>+ 30</td>
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<td>0</td>
<td>+ 10</td>
<td>+ 20</td>
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Wall Speaker Placement
- 8' Ceiling x 2 = Space Speakers 16' Apart
- Wall Speaker Placement
  Spaced 20' Apart (One Per 600 sq. ft.)

Speaker / Horn Placement Guide

<table>
<thead>
<tr>
<th>Speaker / Horn Placement Guide</th>
<th>Shows SPACE Between Horns &amp; Square Foot Coverage PER Horn</th>
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<tbody>
<tr>
<td>Horns</td>
<td>Speakers</td>
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<td>Ceiling Height x 2 = Speaker Placement Example:</td>
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<td>8' Ceiling x 2 = Space Speakers 16' Apart</td>
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<td>Wall Speaker Placement</td>
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<td></td>
<td>Spaced 20' Apart (One Per 600 sq. ft.)</td>
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<td></td>
<td>Power Pair Run</td>
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<td></td>
<td>A # of Speakers/Horns Per Power Run</td>
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<tr>
<td></td>
<td>15/30-Watt Horns</td>
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<tr>
<td></td>
<td>24 AWG</td>
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<td></td>
<td>22 AWG</td>
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<td>20 AWG</td>
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<td></td>
<td>18 AWG</td>
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<td>16 AWG</td>
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<tr>
<td></td>
<td>5-Watt Horns</td>
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<td>110' (12,000 sq. ft.)</td>
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<td>80' (4,000 sq. ft.)</td>
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<td></td>
<td>50' (2,000 sq. ft.)</td>
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<td></td>
<td>30' (900 sq. ft.)</td>
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<td></td>
<td>5-Watt Horns</td>
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<td>80' (4,000 sq. ft.)</td>
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<td>60' (2,000 sq. ft.)</td>
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<td>15-Watt Horns</td>
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<td>75' (1,500 sq. ft.)</td>
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<td></td>
<td>65' (2,200 sq. ft.)</td>
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<td>15-Watt Horns</td>
</tr>
<tr>
<td></td>
<td>5-Watt Horns</td>
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<tr>
<td></td>
<td>60' (2,000 sq. ft.)</td>
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<td>5-Watt Horns</td>
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<td>45' (1,000 sq. ft.)</td>
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<td>30-Watt Horns</td>
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<td></td>
<td>30' (900 sq. ft.)</td>
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<td></td>
<td>30-Watt Horns</td>
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<td>25' (1,200 sq. ft.)</td>
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<td>20' (500 sq. ft.)</td>
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<td></td>
<td>15-Watt Horns</td>
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<td></td>
<td>20' (600 sq. ft.)</td>
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<td>15-Watt Horns</td>
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<td></td>
<td>15-Watt Horns</td>
</tr>
<tr>
<td></td>
<td>15-Watt Horns</td>
</tr>
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Valcom Power Units Make It Easy!

<table>
<thead>
<tr>
<th>Simply Total All:</th>
<th>Example:</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Page Control VPU's</td>
<td>Page Control 1 x +30 = +30 VPU Provided</td>
</tr>
<tr>
<td>b. Speaker/Horn VPU's</td>
<td>Speakers 15 x -15 = 15 VPU Consumed</td>
</tr>
<tr>
<td>c. Subtract b. from a.</td>
<td>+15 VPU's LEFT OVER</td>
</tr>
</tbody>
</table>

Valcom Power Units Listed Below:

- Page Control VPU's
- Speaker/Horn VPU's
- Group Call VPU's
- Emergency Page Override VPU's
- Night Ring/Time Clock Tones VPU's
- Valcom Power Supplies

Power Provided or Power Consumed

- + #
- - #
Analog Page Controls

One-Way Telephone System Integration

The Only Page Controls with Built-In Power & Loaded w/Features!
- Background Music Mutes Only in Zone Being Paged
- Emergency Page Override for Priority Announcements (Not on V-2000A)
- Unlimited Expansion
- Features Programmable Per Zone
- Built-In Tone Generator for Night Ring, Time Clock Tone, Door Bell (Not on V-2000A)
- Alert Tones (An Option on Talkback Only)
- Battery Back-Up Input (Not on V-2000A) VPB-260 Pg 17
- UL, CSA, CE (CE Not on V-2000A)

Specifications:
- Input Impedance: 600 ohms
- Music Input Level: -10dBm nominal
- Power Requirements: 120Vac
- 230Vac Models Available (Not on V-2000A)
- Add “E” Suffix to Part # Ex: V-2006AHF-E

1 Zone
Specifications: DC Output: -24Vdc @ 600mA
2.6”H x 7.75”W x 5.0”D (6.6cm x 19.68cm x 13.7cm) 3.4 lbs (1.54 kg)

1 Zone Enhanced
Specifications: DC Output: -24Vdc @ 1A
7.1”H x 9.0”W x 2.4”D (18.03cm x 22.86cm x 6.12cm) 5.3 lbs (2.41 kg)

2 Talkback Speakers Allowed Per Zone

3 Zone
Specifications: DC Output: -24Vdc @ 1A
2.6”H x 7.75”W x 5.0”D (6.6cm x 19.68cm x 13.7cm) 3.4 lbs (1.54 kg)

Optional Plug-In Talkback Card V-9953 + [10]
Make Your Installed V-2003A a TALKBACK Page Control!
Two Talkback Speakers Allowed Per Zone

Talkback ◆ ▲ ▲ V-2003AHF + [10]
Specifications: DC Output: -24Vdc @ 500mA
5.6 lbs (2.50 kg)

6 Zone
Specifications: DC Output: -24Vdc @ 1.5A
10.9”H x 13”W x 2.7”D (27.68cm x 33.02cm x 6.85cm) 10 lbs (4.54 kg)

Optional Plug-In Talkback Card V-9956 + [10]
Make Your Installed V-2006A a TALKBACK Page Control!
Two Talkback Speakers Allowed Per Zone

Talkback ◆ ▲ ▲ ▲ V-2006AHF + [10]
Specifications: DC Output: -24Vdc @ 1.5A
8.2 lbs (3.72 kg)

9 Zones One-Way All Call ◆ V-1109RTVA + [6]
Specifications: DC Output: -24Vdc @ 1.5A
6.1”H x 5.9”W x 2.1”D (15.93cm x 15.02cm x 5.33cm) 3.5 lbs (1.59 kg)

Easy Selection Considerations:
- Zones
  An area of any size that can be paged independently. If a warehouse is a separate zone than an office area, each area can be paged independently or simultaneously.

- One-Way
  Broadcast Only
  or
  Talkback
  Two-Way HandsFree (Includes One-Way)

- Special Features:
  - All Call - Providing one page announcement to all speakers.
  - Background Music – Background music broadcast via a public address system.
  - Emergency Page Override – Urgent announcements take precedence over general ones.
  - Group Call – Combine individual zones so the same page announcement is broadcast to all selected zones.
  - Tone Generator Built-In For:
    - Clock Tones – Tones broadcast over paging system for a shift start, end, or break time.
    - Night Ring/UNA Tones – Tones that broadcast after hours, to indicate an incoming call.

- Telephone Access Method:
  ◆ PBX Loop Start Trunk Port
  Electronic Key Line Position
  Dedicated Single Line Phone Set
  ▲ PBX Ground Start Trunk Port
  ▲ Page Port (Telephone System Dependent)
  ◆ Centrex or C.O. Line
  PBX Analog Station Port (Loop Disconnect Required)

What are those little numbers in circles & squares? See Step 3 Pg 16

Call our Tech Support for 24/7 Layout Assistance. 800-825-2661
Analog Page Controls
One-Way Telephone System Integration

**DualPath**

- **1 Intercom Path**
- **1 Program Path**
- Perfect Solution for Schools, Industrial, Auto Dealerships, etc.
  - Communication Path
  - Program Path
  - All Call/Group Call / Emergency Override All Call
  - Background Music Input
  - UL, CSA, CE
  - Class of Service/Zone
  - Door Unlock Control
  - SMDR Printer Port
  - Tone Inputs
  - Caller ID

**MultiPath**

- Perfect Solution for Hospitals, Industrial, Airports, and Any Environment Requiring Multiple Simultaneous Paging!
  - User-Friendly Admin Software Easily Manages Voice Communication
  - LAN/WAN Access • UL, CSA, CE

**Wall Mount**
- **V-2924A**
  - 24 Zones
  - 17.5"H x 10.31"W x 3.06"D (44.45cm x 26.19cm x 7.77cm)
  - 17.5 lbs (7.95 kg)

**24 Zones**

**Expand in 24 Zone Increments**

- **V-2925A**
  - 48 Zones
  - (Add 1 V-2925A to Your V-2924A for 48 Zones)
  - 17.5"H x 8.37"W x 3.06"D (44.45cm x 21.26cm x 7.77cm)
  - 13.5 lbs (6.13 kg)

- **V-2925A**
  - 72 Zones
  - (Add 2 V-2925A’s to Your V-2924A for 72 Zones)

- **V-2925A**
  - 96 Zones
  - (Add 3 V-2925A’s to Your V-2924A for 96 Zones)

**V-2924A Accessories**

- **Option Card**
  - V-2926
  - (Enhanced Caller ID, Programmable Dial Codes, User Defined Page Groups)
- **Option Card w/Time Event Scheduler**
  - V-2928
  - (For Computer Requirements See www.valcom.com)
  - Power Requirements: 120 Vac or 230 Vac/1A Versions 5.3”H x 3.0”W x 1.1”D (13.46cm x 7.62cm x 2.79cm)
  - 1.3 lbs (.59 kg)

**Clock Relay Card**
- V-CIO
- Clock Control Card for V-2924A
- V-2927
- Clock Correction Kit
  - V-CLK2924

**Station Level/FXS Adapters**

- **Digital 1 Zone One-Way Page Adapter**
  - V-9970
  - May be used with V-2003A/V-2006A for Multi-Zones
  - Specifications: Input Impedance: 600ohm  Music Input Level: -10 — 18dBm
  - Power Requirements: -24Vdc or -12Vdc, 400mA
  - 8.2”H x 4.55”W x 2.3”D (20.82cm x 11.55cm x 5.84cm)
  - 2.0 lbs (.91 kg)

- **Expandable Station Page Adapter**
  - V-9940
  - May be used with V-2003AHF/V-2006AHF for Talkback Multi-Zones
  - Specifications: Input Impedance: 600ohm  Music Input Level: -10 — 18dBm
  - Power Requirements: -24Vdc, 200mA
  - 8.2”H x 4.55”W x 2.3”D (20.82cm x 11.55cm x 5.84cm)
  - 2.0 lbs (.91 kg)

**PagePal™ Interface**
- V-5335700
  - Interfaces Virtually Any Phone System to Public Address System
  - Attendant Access Override from a Zone Microphone or Page Port
  - Music Input w/Level Control
  - Tones Include Night Bell, Alerts, Page Confirmation, Busy & Pre-Announcement
  - Power Supply Included
  - 2.50”H x 6.00”W x 4.00”D (6.35cm x 15.24cm x 10.16 cm)
  - 2.00 lbs (0.90 kg)

**MultiPath Intercoms, Speakers & Accessories!**

Call to See How Easy It is to Do LARGER Systems!
See Page 20 for 24 Zone Expansion Card V-STX.

www.valcom.com • 800-825-2661
Valcom Speakers Are Unique!

- Convenient Built-In Amplifier w/Volume Control (One-Way Speakers Only)
- Designed for Excellent Voice Paging & Background Music
- Easily Utilizes Standard CAT 5/6 Cable
- Convenient Screw Connections
- Match Any Decor w/Custom Colors

Easy Selection Considerations:

- One-Way or Talkback
- Indoor, Outdoor or Industrial Environments
- Area to be Paged in Square Feet
- Determine Ceiling Heights & Type
- Noise Levels
- Style, Decor & Color

A. P-Tec™ Ceiling Speaker

- Easy Push/Lock Speaker Installs in Tile Ceilings
  - Great for Open Offices Where Speaker Relocation is Made Easier
  - Side Dispersion Angle
  - Lightweight, Easy to Mount & Move
  - External Volume Control (One-Way Only)
  - 8”Dia x 2.5”D (20.32cm x 6.35cm) 1.4 lbs (.63 kg)

B. Lay-In 2’ x 2’ Ceiling Speaker™ V-9022

- Easy Lay-In Installation Replaces a 2’ x 2’ Tile
  - Lightweight - Weighs Slightly More Than a 2’ x 2’ Ceiling Tile!
  - Inconspicuous Front Access Volume Control (One-Way Only)
  - Save Time, Effort & Money - Get On & Off the Job Quickly
  - Durable White Acrylic Baked Enamel Finish
  - No Cutting Tiles, No Broken Tiles, No Mess
  - Excellent Music & Voice Quality
  - Integral Backbox Meets or Exceeds ASTM E84 Flame & Smoke Test w/ 3 Hour Burn Rating (UL 181)

- European Version: 600mm x 600mm 2.49 kg

Power Pair Run: Power Run Wire Length in Feet

<table>
<thead>
<tr>
<th># Interior Speakers</th>
<th>24 AWG</th>
<th>22 AWG</th>
<th>20 AWG</th>
<th>18 AWG</th>
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<td>4</td>
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<td>7</td>
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<td>15</td>
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<td>30</td>
<td>125'</td>
<td>200'</td>
<td>320'</td>
<td>500'</td>
<td>805'</td>
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</tbody>
</table>

Our Tech Support is One of The Best in the Industry, Call Us to Discuss Your Specific Environment Needs!
800-825-2661
Ceiling Speakers

White Ceiling Speakers

4" One-Way Pop-On/Pop-Off Volume Knob
V-1010C
7.65" Dia x 2.9" D (19.43cm x 7.36cm) 2.4 lbs (1.09 kg)

8" One-Way Pop-On/Pop-Off Volume Knob
V-1020C
13.0" Dia x 3.0" D (33.0cm x 7.6cm) 3.8 lbs (1.73 kg)

8" Dual-Input (One-Way)
V-1220
13.0" Dia x 3.0" D (33.0cm x 7.6cm) 3.8 lbs (1.73 kg)

8" Talkback
V-1060A
13.0" Dia x 2.5" D (33.0cm x 6.35cm) 3.7 lbs (1.68 kg)

8" Talkback w/LED
V-1060B
13.0" Dia x 2.5" D (33.0cm x 6.35cm) 3.7 lbs (1.68 kg)

Clean Room Ceiling Speaker

8" One-Way
V-1040
Designed for Applications Where Concentration of Airborne Particles is Controlled. For Areas Such as Pharmaceutical, Medical & Other Critical Manufacturing Environments
• Large Rubber O-Ring to Seal the Grille to the Ceiling
• Rubber Washers for All Mounting Hardware
• Polycarbonate Dust Shield Between the Speaker & the Grille
13" Dia x 3.0" D (33.02cm x 7.62cm) 2.5 lbs (1.13 kg)

Recessed Ceiling Speakers

4" One-Way w/Mounting Ring & Rails
V-1011-MR
7.80" Dia x 5.0" D (19.81cm x 12.7cm) 4.3 lbs (1.95 kg)

8" One-Way w/Backbox & Rails
V-1012-BB
11.75" Dia x 6.0" D (29.84cm x 15.24cm) 8.3 lbs (3.77 kg)

White Ceiling Speakers

8" One-Way
V-1020C
8" One-Way w/Backbox & Rails
V-1012-BB

Square Ceiling Speaker

8" One-Way Pop-On/Pop-Off Volume Knob
V-1920C
11.5" L x 11.5" L x 3.0" D (29.21cm x 29.21cm x 7.62cm) 3.75 lbs (1.7 kg)

Optional Square Speaker Backbox:

Surface Mount Backbox
V-1991
10.62" L x 10.62" L x 4.0" D (26.97cm x 26.97cm x 10.61cm) 6.0 lbs (2.7 kg)

Flush Mount Backbox
V-1992
10.75" L x 10.75" L x 3.75" D (27.31cm x 27.31cm x 9.53cm) 2.75 lbs (1.24 kg)

Surface Mount Vandal-Resistant Ceiling Speaker

8" One-Way
V-9010-W
Ideal for Concrete Ceilings & Harsh Areas:
Correctional Institutions, Outside Entrances, Industrial Areas
• Steel Security Screen/Housing
Prevent Objects from Penetrating Speaker
8.56" Dia x 5.13" H (21.74cm x 13.0cm) 4.8 lbs (2.16 kg)

Round Speaker Mounting Hardware

Bridges
For 4" V-9904M-5
V-9904M-5 (5 Pack)
For 8" V-9914M-5
V-9914M-5 (5 Pack)
Pre-Construction Bridge for 8" Spkr
Great For Gypsum (Sheetrock) Ceilings w/ 16" or 24" Support Structure
V-9912M-10 (10 Pack)

Backboxes
For 4" V-9905M-5
V-9905M-5 (5 Pack)
For 8" V-9915M-5
V-9915M-5 (5 Pack)
Post-Construction Mounting Ring for 8" Spkr
Great For Gypsum (Sheetrock) Ceilings
V-9912P-12 (12 Pack)

Speaker Assemblies:

Square Grille w/Amplifier
V-936480
8" Speaker w/Grille w/o Amplifier
VSA-1020C
8" 45 ohm Speaker
V-936418
8" 25/70 Volt Speaker
V-936400
**Wall Speakers**

**Black or White**
- **Wall One-Way**
  - Black: V-1016-BK
  - White: V-1016-W
  - Dimensions: 9.7"H x 11.3"W x 4.0"D
  - Weight: 4.6 lbs (2.09 kg)
- **Talkback**
  - Black: V-1061-BK
  - White: V-1061-W
  - Dimensions: 9.6"H x 11.5"W x 4.2"D
  - Weight: 4.5 lbs (2.04 kg)
- **Corner One-Way**
  - Black: V-1018-BK
  - White: V-1018-W
  - Dimensions: 9.3"H x 11.0"W x 4.0"D
  - Weight: 3.5 lbs (1.58 kg)
- **Talkback**
  - Black: V-1062-BK
  - White: V-1062-W
  - Dimensions: 10.4"H x 11.7"W x 5.0"D
  - Weight: 4.6 lbs (2.09 kg)

**Woodgrain**
- **Wall One-Way**
  - Light Brown: V-1022C
  - Dimensions: 9.6"H x 11.6"W x 4.2"D
  - Weight: 5.4 lbs (2.45 kg)
  - Woodgrain: Dark Brown: V-1023C
  - Dimensions: 9.6"H x 11.6"W x 4.2"D
  - Weight: 4.6 lbs (2.09 kg)
- **Talkback**
  - Light Brown: V-1062A
  - Dimensions: 10.4"H x 11.7"W x 5.0"D
  - Weight: 5.4 lbs (2.45 kg)
  - Woodgrain: Dark Brown: V-1063A
  - Dimensions: 10.4"H x 11.7"W x 5.0"D
  - Weight: 4.4 lbs (2.00 kg)
- **Corner One-Way**
  - Light Brown: V-1025C
  - Dimensions: 10.3"H x 12.0"W x 5.5"D
  - Weight: 5.4 lbs (2.45 kg)
  - Woodgrain: Dark Brown: V-1026C
  - Dimensions: 10.3"H x 12.0"W x 5.5"D
  - Weight: 6.4 lbs (2.90 kg)

**Slimline™ Wall Speaker**
- **Modern & Affordable**
- Excellent Voice & Music Quality
- Easy Install - Simply Hang on a Single Screw or Use the 2 Screw Bosses
- Built-In Amplifier (One-Way Speakers Only)
- Built-In Volume Control (One-Way Speakers Only)

**One-Way**
- **V-1042**
  - Dimensions: 10.3"H x 12.3"W x 4.2"D
  - Weight: 4.25 lbs (1.93 kg)
- **V-1046**
  - Dimensions: 10.3"H x 12.3"W x 4.2"D
  - Weight: 4.5 lbs (2.04 kg)

**Talkback**
- **V-1042**
  - Dimensions: 10.3"H x 12.3"W x 4.2"D
  - Weight: 4.5 lbs (2.04 kg)
- **V-1046**
  - Dimensions: 10.3"H x 12.3"W x 4.2"D
  - Weight: 5.4 lbs (2.45 kg)

**All CE (Except: V-1026C, V-1066A, V-1226)**

For Custom Color Speakers, Contact Valcom.
Track & Pendant Speakers

Track-Style Speakers
- High-Efficiency Speaker
- Built-In Amplifier & Volume Control (One-Way Speakers Only)
- Attach Track Bracket to a Wall or Exposed Beam

One-Way (1-Watt) 2.5 lbs (1.3 kg) V-1013B - 1
One-Way (5-Watt) 3.1 lbs (1.41 kg) V-1014B - 5

Pendant Speakers
- High-Efficiency Speaker
- Built-In Amplifier & Volume Control (One-Way Speakers Only)
- Simply Hang from 6’ Chain Included

One-Way (5-Watt) 3.2 lbs (1.44 kg) V-1015B - 6
One-Way (5-Watt) 3.2 lbs (1.44 kg) V-1015B-WW - 6

Talkback 2.5 lbs (1.13 kg) V-1019B
5.8”Dia x 8.8”H (14.73cm x 22.35cm)
To Order, Add Color Suffix (Ex: V-1013B-BK)

6’ Extension Chain (Black) V-1093-BK
72.0”L (182.88cm) 0.9 lbs (.41 kg)

Ideal for Retail, Restaurants, Offices, Hallways & Covered Patios
High-Fidelity Sound Signature Series™
The Very Best In Music Quality!
• High-Fidelity Audio Quality
• Built-In Amplifier & Volume Control (One-Way Speakers Only)

New Signature Series™
A. Lay-In Ceiling Speaker
2" x 2' One-Way w/Built-In Backbox  UL/CE  V-1422
24.0"L x 24.0"W x 3.75"D (60.96cm x 60.96cm x 9.53cm)  5.5 lbs (2.49 kg)
European Version: 600mm x 600mm  2.49 kg CE  V-1422-EC

Signature Series™
B. 8-Inch One-Way CE  V-1420
* Pop-On/Pop-Off Volume Knob (Screwdriver Adjustable without the Knob)
13.0"Dia x 3.0"D Plus Knock Depth (33cm x 7.6cm) 3.5 lbs (1.6 kg)
Bridge/Backbox (Metal)  V-9816M
Specifically Designed Larger for V-1420's Superior Audio Performance

Signature Series™
C. In-Wall Speaker CE  V-1450
Simply Recess in a Wall (Paint it for a "Hidden" Speaker)
12.0"H x 8.65"W x 3.2"D (30.5cm x 21.97cm x 8.12cm)  0.5 lbs (2.5 kg)

Signature Series™
D. Monitor Speaker CE  V-1440
Crisp Music Reproduction!
Easy Install - Shelf Mount or Wall Mount w/Optional Bracket (V-9804)

E. Optional Mounting Bracket  V-9804
2"H x 2.75"W x 5.5"D (5.08cm x 6.98cm x13.97cm)  0.6 lbs (0.27 kg)

Valcom Speakers Are Unique!
• One-Way Speakers Have a Convenient Built-In Amplifier w/Volume Control
• Designed for Excellent Voice Paging & Background Music Every Time
• Easily Utilizes Standard CAT 5/6 Cable
Specialty Speakers

Doorplate Speakers
Weather-Resistant Talkback Speakers

A. **Flush Mount**
   - **(Brass)**................. V-1072A-BRASS
   - **(Stainless Steel)**........ V-1072A-ST
   - Includes Call Button (“CALL” in Braille)
   - Mounts in Standard Double Gang Electric Box
   - 4.5"H x 4.5"W x 1.3"D (11.43cm x 11.43cm x 3.3cm) 0.55 lbs (0.25 kg)
   - **LED Versions**: V-1072B-BRASS (Brass), V-1072B-ST (Stainless Steel)

B. **Flush Mount Vandal-Proof**............. V-1073
   - One-Way Screws • Call Button
   - Mounts in Standard Double Gang Electric Box
   - 11 Gauge Steel, White Paintable Faceplate
   - 4.5"H x 4.5"W x 1.75"D (11.43cm x 11.43cm x 4.45cm) 1.68 lbs (.75 kg)

C. **Surface Mount**..................... V-1074
   - Includes Call Button (“CALL” in Braille)
   - Gray Plastic Housing
   - 5.5"H x 4.0"W x 1.1"D (13.97cm x 10.16cm x 2.79cm) 0.6 lbs (0.27 kg)

Surface Mount Ceiling
Vandal-Resistant Speaker

**Ideal for Concrete Ceilings & Harsh Areas: Correctional Institutions, Outside Entrances, Industrial Areas**

- Smooth, Tapered Exterior
- Water-Resistant Speaker w/Built-In Amplifier & Volume Control (One-Way Speakers Only)
- Steel Security Screen/Housing w/Tamper-Resistant Screws
- Easy Surface Mounting or Mount to Standard 4” Box
- 8.56"Dia x 5.13"H (21.74cm x 13.0cm) 4.8 lbs (2.16 kg)

D. **One-Way**.......................... V-9010-W

Paging In Two Directions
**Ideal for Long, Narrow Aisles**

- Indoor/Outdoor, Weather-Resistant
- 5-Watts Total
- Built-In Amplifier & Volume Control (One-Way Speakers Only)
- Stainless Steel Hardware (Includes Mounting Bracket)
- 9.6"H x 8.2"W x 9.3"D (24.38cm x 20.82cm x 23.62cm)
- 8.6 lbs (3.90 kg)

E. **Bi-Directional**
   - One-Way (Beige)............... V-1050C

Desktop or Wall Speakers
Reach People While They’re On The Phone!

- Self-Standing or Can Be Mounted on a Wall as a Mini-Speaker
- Built-In Amplifier & Volume Control — One-Way Speakers Only
  - Volume Control Conveniently Located On The Front
  - 8.5"Dia x 5.0"H (21.59cm x 12.95cm) 0.7 lbs (0.32 kg)

F. **One-Way**.......................... V-763
   - **Talkback**........................ V-762
   - **Talkback Push Button**......... V-764
   - To Order, Add Color Suffix (Ex: V-763-BK)

Spot SoundMasking Speaker™ w/Noise Generator
Reduces Possibility of Conversations Being Overheard by Hallway Traffic.

**Ideal for Clergy, Human Resources, Counselors, Financial Offices & Attorneys**

- Constant 'White Noise' (Hissing Sound)
- Built-In Electronics (Power Supply Included)
- Easy Installation - Replaces A Hallway Ceiling Tile
- Self-Contained With Built-In Masking Source
- 24.0"L x 24.0"W x 3.75"D (60.96cm x 60.96cm x 9.53cm) 5.5 lbs (2.49 kg)

G. **2’ x 2’ Lay-In Ceiling**............. V-9422
   - **European Version**: 600mm x 600mm 2.49 kg. ...... V-9422-EC

Explosive Atmospheres
Solid Metal Housing
Built-In Amplifier & Volume Control (One-Way Speakers Only)
UL Listed For Use In: Class I, Groups C&D Gas Atmospheres
- 6.0"H x 14.0"W x 17.5"D (15.2cm x 35.56cm x 44.45cm) 19.0 lbs (8.55 kg)

H. **7-Watt, One-Way** (Gray)........ V-1039A
   - **Talkback**.................... V-1069A

To Order, Add Color Suffix (Ex: V-763-BK)

www.valcom.com • 800-825-2661
Horn Speakers offer high-efficiency, rugged construction and superb voice quality. They’re typically used outdoors or in loud, industrial or harsh interior areas.

It’s easy to use hundreds of one-way horn speakers in a zone. Large numbers of horns simply require additional power per area – see Step 3 Pg 16.

Easy Selection Considerations:
- One-Way or Talkback
- Indoor, Outdoor or Industrial Environments
- Area to be Paged in Square Feet
- Determine Ceiling Heights & Type
- Noise Levels

Horn Placement:
Shows SPACE Between Horns & Square Foot Coverage PER Horn

For Industrial, Manufacturing, Warehouse Areas Features Omni-Lock Mounting System
- Indoor/Outdoor, Weather-Resistant

A. One-Way (5-Watt) V-1030C (Beige) - 5
   4.6 lbs (2.09 kg) V-1030C-GY (Gray)

B. One-Way (15-Watt) V-1036C (Beige) - 15
   4.7 lbs (2.13 kg) V-1036C-GY (Gray)

B. Talkback w/LED V-1048C (Beige)
   4.4 lbs (2.00 kg) V-1048C-GY (Gray)
Common Size: 7.38”H x 10.0”W x 10.4”D (18.75cm x 25.4cm x 26.4cm)

When You Really Need Power
- High Noise Environments

C. One-Way (30-Watt) V-1038 (Beige)
   7.38”H x 10.0”W x 10.4”D (18.75cm x 25.4cm x 26.4cm) 5.8 lbs (2.63 kg)

Power Two 30-Watt 48VDC Horns, with Valcom’s VP-2048C Power Supply Pg 17

Valcom Horns Stand The Test Of Time!
- One-Way Horns Have a Convenient Built-In Amplifier w/ Volume Control
- Stainless Steel Hardware
- Easily Utilizes Standard CAT 5/6 Cable
Horn Speakers

Marine Horn CE
- Indoor/Outdoor, Weather-Resistant
  - Resists Deteriorating Effects of Salt, Sun, High Humidity
- Equipped w/O-Ring Seals
- Available in White-W

7.38"H x 10.0"W x 10.4"D (18.75cm x 25.4cm x 26.4cm)

D. One-Way (5-Watt) 4.7 lbs (2.13 kg).......................... V-1030M

One-Way (15-Watt) 4.8 lbs (2.18 kg).......................... V-1036M

E. Talkback 4.5 lbs (2.04 kg).......................... V-1048M

F. V-1030M

Look for Our New Horn Cage Coming Soon!

FlexHorn — The Rugged Speaker™ CE

A Compact Design Perfect For:
- Low Ceilings Such as Light Manufacturing or Multi-Floor Warehouses
- Low to Moderate Noise Environments
- Perfect Solution for Gymnasiums, Prisons, Subways, Train Stations, Schools, Drive-Thrus, & Parking Garages
- Water-Proof for Environments Requiring Direct Spray Down Such as Car Washes, Food Processing Plants, & Operating Rooms
  - Includes Adjustable Mounting Bracket (V-9804) for Mounting on Wall, Ceiling, or Beam.
  - Available in Beige-BG, Gray-GY, or White-W

6.8"H x 8.3"W x 3.3"D (17.3cm x 21.1cm x 8.4cm) 2.8 lbs (1.27 kg)

F. One-Way.......................................................... V-1080

Talkback.......................................................... V-1090

Optional FlexHorn Accessories:
G. Vandal-Resistant Enclosure w/Faceplate (Stainless Steel) V-9805

6.8"H x 8.3"W x 3.3"D (17.3cm x 21.1cm x 8.4cm) 6.5 lbs (2.93 kg)

H. Vandal-Resistant Faceplate (Stainless Steel) V-9806

8.5"H x 11"W (21.59cm x 27.94cm) 3.0 lbs (1.36 kg)

4 Ways to Mount

- Recessed FlexHorn (Mounted in Wall)
- Adjustable Bracket (Included)
- Vandal-Resistant Enclosure & Faceplate G. (V-9805)
- Vandal-Resistant Faceplate H. (V-9806)

Easy Mounting for a Vandal-Resistant FlexHorn!
**Easy Selection Considerations:**

- Products Provide or Consume Power & Are Assigned a Valcom Power Unit (VPU)
  - Power Provided: + #
  - Power Consumed: - #
- Products That Neither Consume NO Provide Power Are a 0
- Note: One Valcom Power Unit = 50mA., -24 Vdc
- VPU Listings are on the Product Pages & Index Pg 30-34

**Simply Total All:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Example:</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Page Control VPU’s</td>
<td>Page Control 1 x +20 = + 30 VPU Provided</td>
</tr>
<tr>
<td>b. Speaker/Horn VPU’s</td>
<td>Speakers 15 x -15 = - 15 VPU Consumed</td>
</tr>
<tr>
<td>c. Subtract b. from a.</td>
<td>= +15 VPU’s LEFT OVER NO Power Supply Needed!</td>
</tr>
</tbody>
</table>

- Have VPU’s Left Over - You Can Add More Speakers!
- Need More - Simply Select a Power Supply
  - With Enough VPU’s to Make Up the Difference!

### -24 Vdc Switching Digital

- High-Efficiency (90%)
- Less Heat Dissipation
- Much Lighter (40%)
- Available for 100–230 Volt 50-60 Hz
- Less Power Consumption
- Much Smaller (20%)
- “Brownout” Protection
- Larger Units Provide Multiple 2 Amp Outputs to Allow Class 2 or LEO Wiring

<table>
<thead>
<tr>
<th>Output</th>
<th>1 Amp</th>
<th>2 Amp</th>
<th>4 Amp ** (24 / 48 Vdc)</th>
<th>6 Amp</th>
<th>12 Amp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Units</td>
<td>+20</td>
<td>+40</td>
<td>+80</td>
<td>+120</td>
<td>+240</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall</td>
<td>Wall</td>
<td>Wall (outputs may be used in series for 48V @ 2A)</td>
<td>Wall</td>
<td>Wall</td>
</tr>
<tr>
<td>Size</td>
<td>4.20”H x 2.60”W x 1.20”D (10.67cm x 6.60cm x 3.05cm)</td>
<td>6.00”H x 3.50”W x 2.25”D (15.24cm x 8.89cm x 5.71cm)</td>
<td>8.45”H x 4.70”W x 2.35”D (21.46cm x 11.93cm x 5.97cm)</td>
<td>10.30”H x 5.92”W x 2.50”D (26.16cm x 15.04cm x 6.35cm)</td>
<td>12.10”H x 8.70”W x 3.90”D (30.73cm x 22.10cm x 9.91cm)</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>2.0 lbs (3.22 kg)</td>
<td>2.4 lbs (1.09 kg)</td>
<td>4.7 lbs (2.13 kg)</td>
<td>7.1 lbs (3.22 kg)</td>
<td>7.1 lbs (3.22 kg)</td>
</tr>
<tr>
<td>Part #</td>
<td>VP-1124</td>
<td>VP-2124A</td>
<td>VP-4124</td>
<td>VP-1124-EC</td>
<td>VP-2124A-EC</td>
</tr>
<tr>
<td></td>
<td>VP-1124-UK</td>
<td>VP-2124A-UK</td>
<td>VP-4124-UK</td>
<td>VP-6124-EC</td>
<td>VP-12124-EC</td>
</tr>
</tbody>
</table>

-200Vdc Power Supplies: | -EC European Power Supply (plug included) | -E Power Supply (without Plug) | -UK United Kingdom Power Supply (plug included) |

**NEW Accessories**

- Shelf Mount for Power Supplies
  - Holds one each of VP-4124 or VP-6124 Power Supplies: [VP-9202]
Power Supplies

-24 Vdc/120Vac

- 0.25 Amp Unfiltered VP-324
  * Receptacle Mount  • UL, CSA
  230Vac Models Available: Add “E” Suffix to Part #: Ex: VP-4124-E

- 0.6 Amp Filtered VP-624B
  * Receptacle Mount  • UL
  5.50"H x 3.30"W x 3.25"D (13.97cm x 8.38cm x 8.26cm)  2.0 lbs (.91 kg)

BackUp Power

Continue Internal Communications During Power Failures
(Use with Valcom's V-2000 Series Page Controls)

Battery Back-Up Power VPB-260
  * Contains Long-Life Maintenance-Free Gel Cell Batteries
  * 24 Volts DC, Fused at 3 Amps
  * Fuse-Protected AC Input, Current Limiting On Output
  * Battery Test Switch & Power ON LED
  * Connects Directly to Battery Back-Up
    Molex Connector on Compatible Equipment
  * Battery Test Switch & Power ON LED
  * Connects Directly to Battery Back-Up

Power Requirements: 120Vac, 60Hz, 127W  •  UL, CSA
9.25"H x 7.50"W x 5.25"D (23.50cm x 19.05cm x 13.34cm)  20 lbs (9.1 kg)

Give Your VP-6124 The Advantage Of UPS

Battery Back-Up Charger VP-6124-UPS
  * Cables Included For Connection To VP-6124  • UL, CSA, CE
  10.30"H x 3.50"W x 2.25"D (26.16cm x 8.89cm x 5.72cm)
  4.0 lbs (1.82 kg)

Battery Box w/ Batteries VBB-1424
  * Specifications: 14AH @ -24Vdc  • UL, CSA
  5.52"H x 8.03"W x 10.82"D (14.02cm x 20.4cm x 27.48cm)  40 lbs (18.2 kg)

Special Purpose 48 Vdc

- 2 Amp Filtered VP-2048C
  * Provides Power for Two V-1038 30-Watt Horns  Pg 14
  * Wall Mounted  • UL, CSA
  Power Requirements: 120Vac, 60Hz, 150W
  10.70"H x 6.35"W x 3.70"D (27.18cm x 16.13cm x 9.40cm)
  12 lbs (5.45 kg)

- 400 mA 12 V, Unfiltered VP-4124
  * Provides Power for One FM Tuner, V-2952  Pg 25
  * one V-9970  Pg 25
  * Receptacle Mounted  • UL, CSA
  2.60"H x 2.00"W x 2.3"D (6.60cm x 5.08cm x 5.84cm)  .78 lbs (.35 kg)

Easy System Design Worksheet

Simple List
Step 1  Page Control VPU’s (Provided)

- Speaker/Horn VPU’s (Consumed)

Step 3  Subtract Step 2 From Step 1

Do You Need A Power Supply?
  * Have VPU’s Left Over - You Can Add More Speakers!
  * Need More VPU’s? - Simply Select a Power Supply
    With Enough VPU’s to Make Up the Difference!

www.valcom.com  •  800-825-2661

17
Push a button to initiate two-way communication from the door speaker to the telephone.

Once the visitor is identified, dial a programmable code on the telephone to unlock the door.
Talkback Intercom Systems Work Great w/2000 Series

**DualPath**

- **1 Intercom Path**
- **1 Program Path**

Perfect Solution for Schools, Industrial, Auto Dealerships, Hospitals, Airports, etc.

- Communication Path
- Program Path
- Riot Mode
- All Call/Group Call
- Emergency Override All Call
- Caller ID

Expand in 24 Zone Increments

- Wall Mount
  - V-2924A
  - 24 Zones

- Rack Mount
  - V-TR24

**MultiPath**

Perfect Solution for Environments That Have a LOT of Communications Going On at the Same Time!

- Easily Configured to Suit the Most Advanced Requirements
- User-Friendly Admin Software Easily Manages Voice Communication Daily, Weekly, Monthly, or Annually Over LAN/WAN

Expand Up To 360 Zones

- Wall Mount
  - V-Tw24
  - 24 Zones

- Rack Mount
  - V-TR24

See Website for Dimensions & Weights

**V-2924A Accessories**

- Option Card
  - V-2926
  - (Enhanced Caller ID, Programmable Dial Codes, User Defined Page Groups)

- Option Card w/Time Event Scheduler
  - V-2928
  - (For Computer Requirements See www.valcom.com)

- Clock Relay Card
  - V-CLO

- Clock Control Card for V-2924A
  - V-2927

- Clock Correction Kit
  - V-CLK2924

PBX Loop Start Trunk, Electronic Key Line, Single Line Phone

1 Zone Talkback
- V-9941A

Specifications: Input Impedance: 600 ohm; Music Input Level: 1 to 3W

Power Requirements: -24Vdc, 300mA

8.25"H x 4.65"W x 2.3"D   (20.95cm x 11.81cm x 5.84cm)  1.9 lbs. (.86 kg.)

9 Zones Talkback
- V-1109RTHF

Specifications: Input Impedance: 600 ohm; Music Input Level: -10dBm

Power Requirements: -24Vdc, 310mA

7.1" H x 5.9" W x 2.1" D (18.03cm x 14.98cm x 5.33cm)  3.3 lbs. (1.50 kg.)

**Analog Page Controls Talkback 2000 Series**

3 Zone Talkback
- V-2003AHF + 10

Specifications: DC Output: -24Vdc @ 500mA   6.5 lbs (2.95 kg)

6 Zone Talkback
- V-2006AHF + 20

Specifications: DC Output: -24Vdc @ 1.5A   8.2 lbs (3.72 kg)

For more information see page 6
MultiPath Accessories

MultiPath Talkback Speakers

A. 8” Ceiling Speaker w/Taps (6/Pack) ..........V-C806PK
  • Exceptional for Voice & Music  • White Epoxy Finish
B. 8” Wall Speaker w/Taps ..........................V-WTGY
  • Gray/Black Grille, Paintable
  • Excellent Voice & Music Quality  • Easy Installation
C. FlexHorn™ ..........................................VC-1090
  • Water-Proof  Available in Beige-BG, Gray-GY, or White-W
D. Optional FlexHorn Accessory
  • Vandal-Resistant Enclosure w/Faceplate (Stainless Steel)  ...V-9805

Expansion Cards

CPU Card W/2 V-SLC Cards (4 links) ...............V-CPU4
  • Storage Medium for Customer Data Base Information
  • Internal Common Control for the System Peripheral Cards
  • An Access Point for External Communication Functions
  • Supports Up to 15 Feature Cards & 360 Station Ports
Serial Card ..............................................V-SER
  • Mounts to the CPU  • Provides SMDR Data

Modem Kit External Modem 33.6k .......................VCMMD
  • User Can Program and Change System Database Information
  • From an Off-Premise Location & Remotely Monitor SMDR Activity
  • Telephone Cable (Silver Satin w/RJ11)
  • Interface Cable  • Serial Interface Adapter
Program Distribution Panel ................................V-PDP
  • Connection of Audio Source, Mic, & 5 Pushbutton Functions
  • Buffers Audio Signals from Radios, Cassette, CD Players
  • Separate Treble, Bass & Volume Controls for 3 Audio Inputs
  • Screw Terminal Connections to Programmable Relays of CPU
  • 25 Pair Cable Provided for Connection to CPU
  • Speaker Included to Monitor Audio Sources
  • Front Panel XLR Connector for Mic Input
SLIC Card - 2 Telephone Interface Circuits ...............V-SLC
  • Connects Directly to the CPU
  • Provides 2 DTMF Detector Circuits & Ring Generator
  • Pop Suppression & Battery Feed
Music - AM/FM CD Control Panel w/VP-624B ..........V-RDP
  • 3U Rack Mounting  • Station Preset Tuning
  • Quality Monitor Speaker  • LED VU Meter
Universal Relay Interface ..................................V-URI
  • 72 User Defined Switch Input/ Drivers, ADA, Call-In etc.
  • 8 Door Unlock Relays
One-Way Paging Adapter ..................................V-LPT
F. Emergency/Normal Call-In Switch, Stainless Steel ...V-2970
G. Push Button Call-In Switch, Stainless Steel (6/Pack) ...V-2972PK

Mounting

9 Position Card Cage Rack Mount ...................V-MCRK
  • Fits into Standard 19” Rack
  • Provides Card Slots for Up to 9 Feature Cards (V-CPU4)
  • Power Harness Included
4 Position Wall Mount Rack .........................V-MWRK
  • Provides Card Slots for Up to 4 Feature Cards (V-CPU4)
  • Power Harness Included

Backplane Cables

4 Position Feature Cards ............................VC40R-4
  • Includes Backplane Terminator:
  9 Position Feature Cards ........................VC40R-9T
  16 Position Feature Cards .........................VC40R-16T

Connections

Clock Control Interface Pkg ..........................V-CLK
  • Isolated High Voltage Contact Closures
  • 2 Separate Types of Analog Clocks  • Digital Clocks
Large LED Display Package ..........................V-DSP
  • Wall/Ceiling Mount Displays Intercom Info in Office Area
  • VCROM Display Driver Card an a VCLED Large Display
  • Green Displays Normal Calls/Red Emergency Calls

Power Supplies

6 Amp Positive 24 Vdc Wall Mount ...................V-C6124P
  • Powers up to 3 Feature Cards (V-CPU4)
  • Filtered, Regulated  UL/CSA/CE

Note: VPU’s (Valcom Power Units) Not Applicable to MultiPath Products.

See Our Website for MultiPath Dimensions & Weights.
Valcom offers a selection of appliances that enable the user to transport audio over LAN/WAN with unrivaled ease and reliability. Audio can enter the network at any point and be delivered to any other point, groups of points or on an “All Call” basis — all without the need for a server. Hence, the inherently extremely high reliability.

The VIP Series products are all fully compatible allowing mix and match capabilities to provide solutions limited only by your imagination. The use of Multicast insures efficient use of network bandwidth. For interfacing with the analog world, these appliances are available in three basic configurations, audio ports (line level), FXS (station port) and FXO (loop trunk port).

**Audio Ports** (Line Level -10dbm)
- SIP, UDP, Multicast
- Local Aux Analog Input (RCA Jack) Mutes Aux During Page
- Programmable Contact Closure Activation or VOX Activation
- Audio & Contact Closure Per Port

**Applications**
- Paging Analog or IP Loudspeakers
- Wide Area Voice Notification System
- Radio Link Remote Audio Monitoring

- **1 Audio Port**
  - 1 Audio Output & Input
  - 1 Contact Closure Input
  - 2 Programmable Form C Relay Contacts

- **2 Audio Ports**
  - 2 Audio Outputs & Inputs
  - 2 Contact Closure Inputs
  - 2 Programmable Form C Relay Contacts

- **4 Audio Ports**
  - 4 Audio Outputs & Inputs
  - 4 Contact Closure Inputs
  - 4 Programmable Form C Relay Contacts

**FXS Ports** (Station Ports)
- UDP, Multicast
- Caller ID Information – Various Options
- DTMF Dial Select, Zones, Groups

**Applications**
- Hot Line
- Emergency Intercom
- Line Extender

- **1 FXS Port**
  - 1 RJ-11 FXS Port
  - 2 Programmable Form C Relay Contacts

- **2 FXS Ports**
  - 2 RJ-11 FXSs
  - 4 Programmable Form C Relay Contacts

- **4 FXS Ports**
  - 4 RJ-11 FXSs
  - 4 Programmable Form C Relay Contacts

**FXO Ports** (Loop Start)
- UDP, Multicast
- Caller ID Information – Various Options

**Applications**
- Tie Lines
- PSTN Access
- Legacy Interface

- **1 FXO Port**
  - 1 RJ-11 FXO
  - 1 RJ-11 Telephone Failover Connection

- **2 FXO Ports**
  - 2 RJ-11 FXOs
  - 2 RJ-11 Telephone Failover Connections

- **4 FXO Ports**
  - 4 RJ-11 FXOs
  - 4 RJ-11 Telephone Failover Connections

---

**Note:** VPU's (Valcom Power Units) Not Applicable to IP Products.

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

1.75"H x 6.75"W x 9.5"D (4.45cm x 17.15cm x 24.13cm)  1.75 lbs (0.80 kg)
## SIP Paging Gateway 200 Series Page Controls

- Enables Voice Access to 1 or 4 Zones of One-Way Analog Paging Plus 8 Zones of IP Paging
- Designed for Use with Virtually All SIP Based Telephone Systems
- Live or Recorded Messages
- 65,000 Speakers, Expandable to 256 IP Paging Zones
- Easily Connect Loudspeaker System to Existing Computer Networks
- Supports IP & Analog Amplified Speakers
- Supports Legacy Paging Systems
- Web Interface for Control and Setup
- Night Ring for SIP Systems
- Feedback Eliminator Store and Play

### SIP Paging Systems

**VIP-201**
- 1 Zone of One-Way Analog Paging
- Plus 8 Zones of IP Paging
- 1 Analog Audio Output
- 1 Analog Audio Input
- 2 Programmable Form C Relay Closures
- 1.71"H x 19"W x 5.3"D (48.3cm x 4.3cm x 13.5cm)
- 6.9 lbs (3.13 kg)

**VIP-204**
- 4 Zones of One-Way Analog Paging
- Plus 8 Zones of IP Paging
- 4 Analog Audio Output
- 4 Analog Audio Input
- 4 Programmable Form C Relay Closures
- 4 Programmable Contact Closure Inputs
- 1.72"H x 19"W x 9.5"D (4.4cm x 4.3cm x 24.1cm)
- 7.9 lbs (3.58 kg)

### SIP Paging Speakers

#### SIP Ceiling Speakers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIP-120</td>
<td>8&quot; Ceiling Speaker</td>
<td>11.8&quot;Dia x 3.0&quot;D (30.0cm x 7.6cm)</td>
<td>3.8 lbs (1.79 kg)</td>
</tr>
<tr>
<td>VIP-402</td>
<td>2' x 2' Lay-In Ceiling Speaker</td>
<td>23.75&quot;L x 23.75&quot;W x 3.75&quot;D (60.32cm x 60.32cm x 9.52cm)</td>
<td>5.5 lbs (2.48 kg)</td>
</tr>
</tbody>
</table>

#### SIP Wall Speakers

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIP-410</td>
<td>Wall Speaker</td>
<td>10.12&quot;H x 12.31&quot;W x 4.63&quot;D (25.73cm x 31.27cm x 11.75cm)</td>
<td>4.25 lbs (1.93 kg)</td>
</tr>
<tr>
<td>VIP-411-DS</td>
<td>Surface Mount Wall Speaker/Digital Clock</td>
<td>14.9&quot;H x 12.4&quot;W x 4.7&quot;D (37.85cm x 31.50cm x 11.94cm)</td>
<td>5.0 lbs (1.14 kg)</td>
</tr>
<tr>
<td>VIP-412-DF</td>
<td>Flush Mount Wall Speaker/Digital Clock</td>
<td>14.9&quot;H x 12.4&quot;W x 4.7&quot;D (37.85cm x 31.50cm x 11.94cm)</td>
<td>5.0 lbs (1.14 kg)</td>
</tr>
</tbody>
</table>

#### SIP Horns

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIP-480L-BG</td>
<td>5-Watt IP Horn</td>
<td>6.8&quot;H x 8.3&quot;W x 10.4&quot;D (17.3cm x 21.1cm x 26.4cm)</td>
<td>5.8 lbs (2.63 kg)</td>
</tr>
<tr>
<td>V-9805</td>
<td>Optional Vandal-Resistant Enclosure w/Faceplate</td>
<td>6.8&quot;H x 8.3&quot;W x 3.3&quot;D (17.3cm x 21.1cm x 8.4cm)</td>
<td>2.8 lbs (1.27 kg)</td>
</tr>
</tbody>
</table>
SIP Doorplate Speakers & IP Tie Line

SIP Intercom/Doorplate Speaker
- Flush Mount Brass Plate
- Call Button & LED
- POE (802.3af)
- Relay Contact for Door Unlock
A. VIP-172L-Brass Brass
B. VIP-172L-ST Brushed Stainless Steel
Wallplate Dim: 4.5"H x 4.5"W x 1.3"D (11.43cm x 11.43cm x 3.3cm)

SIP Vandal-Proof Intercom/Doorplate Speaker
- Durable Flush Mount 11 Gauge Steel (Paintable)
- Call Button & LED
- POE (802.3af)
- Relay Contact for Door Unlock
C. VIP-172L-VR
4.5"H x 4.5"W x 1.75"D (11.43cm x 11.43cm x 4.45cm)

Power Supplies
- Local Power Option for VIP-800 Series
  Power Supply 0.25 Amp VR-324
  - Receptacle Mounted
  - UnFiltered
  - UL, CSA
  3.0"H x 2.50"W x 2.00"D (7.62cm x 6.35cm x 5.08cm)
  .925 lbs (.42 kg)

Accessories
- NETWORKED INPUT & RELAY MODULE VR-848
  Remote Control of Relay Outputs Across a LAN/WAN
  - Repeat Contact Closures
  - 8 Contact Closure Inputs
    (An Input May Control a Single Relay, or a Group of Relays)
  - 8 Relay Outputs Supervision
    (A Relay May Be Set to “Follow” Another Relay)
  - Power-Up Relay State (Active or Inactive)
  - 3 Input Priority Levels
  1.75"H x 6.75"W x 9.5"D (4.45cm x 17.15cm x 24.13cm) 1.75 lbs (0.80 kg)

IP Tie Line
- Connect Multiple Facilities

IP Tie Line
- Supports Telephone Systems that Do Not Provide Calling Party Supervision
- Use w/Analog, Hybrid, Digital Key Systems & PBX's
- Requires One Trunk Port (FXO) & One Analog Station Port (FXS) at EACH System
- Dial Select Desired Remote Office
- Auto Destination for Two Systems
2 Channel VIP-854
1.75"H x 6.75"W x 9.5"D (4.45cm x 17.15cm x 24.13cm) 1.75 lbs (0.80 kg)

Connect Multiple Facilities
DENVER
VIP-854
FXO FXS
VIP-854
FXO FXS
VIP-854
FXO FXS
HOME OFFICE
MIAMI
NEW YORK
www.valcom.com • 800-825-2661
In-Wall Modular Mixer
Cost-Effective Solution that Eliminates the Use of Expensive In-Wall Amplifiers

Common Features: V-9983-W & V-9985-W
- Built-In Compressor (Option Switch Controlled) for Automatic Consistent Volume Level Adjustment Even When Voices Vary - Low to High
- Master Volume Control for Optimum Volume Adjustments & Volume Control for Each Input
- 1 General Building Page Input (-10dBm) Overrides All Other Inputs
- Drives 50 Amplified Speakers/Horns
- 8 Segment LED Meter for Visual Indication of Audio Signal Levels
- Full Frequency Range Output for Speakers
- Hi Pass Output for Horns
- Screw Terminals for Easy Connections
- Operates on 24Vdc

Modern & Attractive White Decorative Faceplate Included

Remote Add-On Features: V-9984-W
- Provides 1 Balanced XLR Microphone Input & 1 Auxiliary Input for MP3 Players, CD, DVD or PC’s
- Connects to Main Control Module, w/2 Pair 24 AWG Cable
- Screw Terminals for Easy Connections
- Volume Control for Each Input
- Power “ON” Indicator
- Phantom Power (Switch Controlled) w/“ON” Indicator Allows Use of Consumer Microphone

Add Up to 4 Remotes to V-9983-W
Add Up to 3 Remotes to V-9985-W

2 Channel Mixer — Expandable to 10 Channel

<table>
<thead>
<tr>
<th>Features of In-Wall Modular Mixer V-9983-W</th>
<th>Features of Remote Module V-9984-W (Add up to 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mic Inputs</td>
<td>0 1 2 3 4</td>
</tr>
<tr>
<td>AUX Inputs</td>
<td>1 2 3 4</td>
</tr>
<tr>
<td>General Page Input</td>
<td>1 1 1 1</td>
</tr>
</tbody>
</table>

In-Wall Modular Mixer, w/Remote.......................... V-9985-W
Mounts in 4 Gang Electrical Box • 6.64"W x 4.25"H x 2.0"D (16.87cm x 10.8cm x 5.08cm) • 4.25 lbs (1.93 kg)

4 Channel Mixer — Expandable to 10 Channel

<table>
<thead>
<tr>
<th>Features of In-Wall Modular Mixer w/ Remote V-9985-W</th>
<th>Features of Remote Module V-9984-W (Add up to 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mic Inputs</td>
<td>1 2 3 4</td>
</tr>
<tr>
<td>AUX Inputs</td>
<td>2 3 4 5</td>
</tr>
<tr>
<td>General Page Input</td>
<td>1 1 1 1</td>
</tr>
</tbody>
</table>

In-Wall Modular Mixer, w/Remote.......................... V-9985-W
Mounts in 4 Gang Electrical Box • 6.64"W x 4.25"H x 2.0"D (16.87cm x 10.8cm x 5.08cm) • 4.25 lbs (1.93 kg)

Remote Module

Expanded 10 Channel Connections:
- 4 Microphones (Wired or Wireless)
- 5 Auxiliary Inputs
  - Tuners
  - CD
  - MP3 Players
  - Headphone Jack
  - Laptop
- 1 General Page Input (Overrides All Other Sources)

A Complete Sound System Ideal For:
- Conference Rooms
- Meeting Rooms
- Restaurants
- Institutional Cafeterias
- Gyms
- Sporting Complexes
- Auditoriums
- Lecture Halls

Visit our website for Application Ideas.
**Call-In Switches**

**Provides Remote Call-In Capability**

- **A. Call-In Switch w/Volume Control, Stainless Steel**
- **B. Call-In Switch w/Volume Control, White**

**Speaker Volume Controls**

- Single Gang Box

- **A. Speaker Volume Control, Stainless Steel**
- **B. Speaker Volume Control, White**

**Paging Expansion**

- Single Gang Box

- **A. Page Port PreAmp/Expander, Stainless Steel**
- **B. Page Port PreAmp/Expander, White**

**25/70/100 Volt Paging Expansion**

- Single Gang Box

- **A. 70 Volt Expander, Stainless Steel**
- **B. 70 Volt Expander, White**

---

**Noise Sensing Volume Control**

**V-9933A**


- Constantly monitors the area & automatically adjusts the volume of the paging speakers.
- Use one per zone and/or one per noise area • CE
- Specifications: Output Impedance: 8 ohm, Power Requirements: -24Vdc, 100mA
  - 7.3"H x 4.7"W x 2.1"D (18.54cm x 11.93cm x 5.33cm) 1.1 lbs (0.50 kg)

**Remote Microphone**

**V-9934**

- Self-Contained Microphone & Pre-Amp • CE
- No power supply required
- Up to 4 units may be paralleled on one V-9933A
  - 1.50"H x 2.90"W x .81"D (3.81cm x 7.37cm x 2.06cm) 0.06 lbs (0.03 Kg)

**Input Matching Transformer**

**VMT-1**

*Connects Telephone Systems to Most Public Address Amplifiers for Telephone Paging*

- Functions as output-matching transformer to feed program material over a 600-ohm telephone line for "music-on-hold".
- Compatible with any 25V output connection amplifier.
- Hi-Z, 10k-ohm primary impedance.
- Lo-Z, 600-ohm secondary impedance, balanced w/center tap.
- Matches high-to-low impedance or low-to-high impedance.
- Adapts line level signals to microphone inputs.
  - 1.75"H x 3.75"W x 1.25"D (4.45cm x 9.53cm x 3.20cm) 0.5 lbs (2.3 kg)

**FM Tuner**

**V-2952**

*Sleek Compact Design for Music-On-Hold!*

- Built-in speaker allows tuning w/o broadcasting over speaker system.
- 2 outputs for music-on-hold, background music.
- Volume control for each output • Treble & Bass Controls
- Specifications: Output Impedance: 8 ohm, 5 Watt, 600 ohm/1000W
- Power requirements: -24Vdc/250mA or VP-412A Pg 17
  - 5.5"H x 4.8"W x 2"D (13.97cm x 12.19cm x 5.08cm) 1.4 lbs (6.3 kg)

**Music-4-Life**

**V-2992**

*Play Background Music or Music-On-Hold Without Paying Monthly Music Fees!*

- Purchase includes a lifetime public performance license.
- Hear Music for Life - Visit www.valcom.com!
  - 6.19"H x 8.25"W x 1.55"D (15.72cm x 20.96cm x 3.93cm) 2.2 lbs (1.00 kg)

**Digital Sound Level Meter Pro II**

**V-2992**

*Measure Your Environments Sound Level*

- Compact, professional instrumentation • Battery included.
- High tech, high performance • Easy Max/Min functions
- Specifications: Output Impedance: 4.8 Ohm, Power Requirements: -24Vdc/250mA or VP-412A
  - 7.3"H x 4.7"W x 2.9"D (18.54cm x 11.93cm x 7.37cm) 1.4 lbs (0.63 kg)

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For more information, visit [www.valcom.com](http://www.valcom.com) or call [800-825-2661](tel:800-825-2661).
System Enhancements

DIGITAL MESSAGE UNITS - MICROPHONES

**Stored Message/Mic Page Panel**

*Record Up to 8 Stored Messages - Microphone for Live Announcements*

- Stores & Plays up to 8 Recorded Messages Over Paging System
- Provides 8 Minutes of High Quality Digital Recording
- Eight Front Panel Buttons – Each w/LED • Message Cancel Button
- Push-to-Talk Microphone for Live Announcements
- Power "ON" & Visual System Fault Indicator
- Easy Programming to Upload/Download Voice Messages
- Optional Interfaces Available

8.25"W x 4.25"H x 2"D (12.7cm x 10.8cm x 5.08cm) 4 lbs (1.5 kg)

**Microphone Adapters**

*Microphone Adapter V-9939B*

- Provides Contact Closure
- Specifications: In/Out Impedance: LoZ
- Specifications: In/Out Impedance: 50Kohm Unbalanced; 600ohm Balanced
- Power Requirements: -24Vdc Filtered 40mA CE

8.25"H x 4.507"W x 2.35"D (20.95cm x 11.43cm x 5.97cm) 7 lbs (.32 kg)

**Microphones**

*Desk Paging Microphone V-400*

- Omni-Directional • Push-To-Talk Switch & Locking Bar
- 9.4"H x 4.0"W x 6.0"D (24.13cm x 10.16cm x 15.24cm) 1.4 lbs (.63 kg)

*Dynamic Noise Canceling Microphone V-420*

- Handheld w/Press-To-Talk Lever • Heavy Duty Cord Ends to 6' 3.9"H x 2.9"W x 2.6"D (9.9cm x 7.4cm x 6.6cm) .63 lbs (.28 kg)

*Gooseneck Microphone V-450*

- Omni-Directional • Push-To-Talk Switch • Gooseneck 19" w/Mounting Flange
- 1.75"Dia x 23.5"L (4.44cm x 59.69cm) 1.6 lbs (.73 kg)

*Multi-Zone Microphone V-5335405*

- Has Built-In Preamp & Page Access Contact Closure!
- Built-In Touch-Tone Key Pad Provides Direct Access to Paging System in Emergencies & Selected Zones
- Uni-Directional Microphone (Reduces Ambient Noise) Gooseneck 14" Base 3.0"H x 7.0"W x 5.0"D (7.62cm x 17.78cm x 12.70cm) 2.5 lbs (1.13 kg)

**Multi-Messenger USB Device V-9989**

*A Solid-State Digital Message Repeater That Installs Easily Into Any Messaging Application That Requires Triggered, Continuous or Timed Message Play.*

- Messages & MP3 Files are Stored on 16MB - 4GB USB Flash Drives (No Special Software Needed)
- Playback Quality Up to 128Kbps
- Built-In Monitor Speaker
- LED Status Indicator
- Store Up to 99 Messages
- Triggered and/or Timed Playback
- Active Output Indication Trigger
- Auxiliary 12VDC Output for Wiring Sensors
- Power Supply Included CE/CSA

5.5"H x 6.0"W x 1.7"D (13.97cm x 15.24cm x 4.32cm) 1.5 lbs (.675 kg)

**USB Message-On-Hold Device V-9988**

*Continuous-Play Audio Source for Message-on-Hold, Background Music, or Any Other Audio Application Where High-Quality Audio Playback is Required.*

- Messages & MP3 Files are Stored on 16MB - 4GB USB Flash Drives (No Special Software Needed)
- Playback Quality Up to 128Kbps
- Continuous Playback
- Built-In Monitor Speaker
- LED Status Indicator
- Power Supply Included CE/CSA

5.5"H x 6.0"W x 1.7"D (13.97cm x 15.24cm x 4.32cm) 1.5 lbs (.675 kg)

**Stacking Feedback Eliminator V-9964**

*Eliminates Busy Signals On Heavily Used Paging Systems & Prevents Acoustic Feedback*

- Multiple Messages Recorded Simultaneously
- Stacks Messages - Records a Page While Playing One
- One Unit Eliminates Feedback to ALL Zones
- Automatic Consistent Volume Level Even When Recording Voices Vary - Low to High
- High-Fidelity - Voice Sounds Natural Not Like A Recording
- LED Indicators for Play, Record, Busy, Power
- Dipswitch Features: Pre-Announce Alert Tone, Priority Override (Real Time or Delayed), DTMF Message Cancel
- Real Time Background Music Input w/Volume Control
- Two Audio Outputs: 8 & 600 ohms
- Emergency Messages Can Interrupt Play Back Sequence

Power Requirements: -24Vdc, 250mA

11.96"H x 7.10"W x 1.72"D (29.87cm x 18.03cm x 4.37cm) 2.5 lbs (1.125 kg)

Visit Our Website to Hear Music, Tones, Bells & Warbles.
System Enhancements

**For Security/Priority - A Tone May Be Better Than Voice**

**Use In Hospitals - When Voice Announcements Are Not Appropriate**

**Use In Department Stores - For Discreet Paging**

### Strobes

- **ADA Compliant Strobe**
  - **V-5580041**
  - 110 Candela of Brilliance Strobe, Covers 70 ft by 70 ft Area
  - Fits Into A Standard 4” X 4” Electrical Box (Included)
  - Can Be Activated By Applying Power, Dry Contact Closure
  - Or 70 Volt Speaker Voltage
  - Flash Rate Is Designed To Comply With ADA
  - Power Supply Included
  - Mount Strobe 80 Inches Above Floor
  - **CAUTION:** DO NOT Use 2 Strobes Within Same Field of View
  - Specifications: Input Impedance: 600ohm; Output: 8ohm
  - Power Requirements: -24Vdc, 500mA
  - 4.25”H x 4.25”W x 2.1”D (10.80cm x 10.80cm x 5.33cm) 3.00 lbs (1.36 kg)

- **Auxiliary Relay Unit**
  - **V-9955**
  - Relay Unit for Strobe Activation, Door Control, Camera Control
  - Three 24 VDC 2 Pole Relays w/1 Amp Contacts
  - Screw Terminals for All Connections
  - Independent Control or Simultaneous Operation of Relays
  - Expandable to 6 Relays by Adding V-9957 Expansion Board
  - Specifications: Output: 8 ohm
  - Power Requirements: -24Vdc, 200mA
  - 7.1”H x 4.7”W x 2.3”D (18.03cm x 11.5cm x 5.84cm) 1.9 lbs (.85 kg)

### Ringer Horns

- **Loud Warble Horn**
  - **V-9925A**
  - 90VAC Ring or 18VAC Buzzer Voltage Activation
  - Connects Directly to PBX Station
  - Built-In Tone Generator, 5-Watt Amplifier, & Volume Control
  - Power Requirements: -24Vdc, 500mA Activate with 90V, 18Vac
  - Specifications: Output: 8 ohm
  - 6.5”H x 8.2”W x 10.4”D (16.51cm x 20.82cm x 26.4cm) 4.7 lbs (2.13 kg)

- **Loud Ringer & Warble Horn**
  - **V-9945A**
  - Interrupted or Uninterrupted Contact Closure Activation
  - Built-In Tone Generator, 5-Watt Amplifier, & Volume Control
  - Warble Tone - Night Ring
  - Single Tone - Time Clock/Doorbell Alarm
  - Single Tone Overrides Warble Tone if Activated Simultaneously
  - Power Supply Included
  - Specifications: Output: 8 ohm
  - Power Requirements: -24Vdc, 300mA
  - 6.5”H x 8.2”W x 10.4”D (16.51cm x 20.82cm x 26.4cm) 5.4 lbs (2.45 kg)

### Adds Tones Over Paging

- **Multi-Tone Generator**
  - **V-9927A**
  - Up To 8 Different Tones w/A Single Unit
  - Siren Evacuation*
  - Whoop Tornado*
  - Warble Fire*
  - Steady Shift Changes*
  - USA Standard Immediate Evacuation Signals
  - Contact Closure Activation
  - Automatically Overrides Page or Music
  - Choice of 2 Sets of 8 Different Tones
  - CE
  - Specifications: Input Impedance: 600ohm; Output: 8ohm
  - Power Requirements: -24Vdc, 65mA
  - 8.2”H x 4.55”W x 2.3”D (20.82cm x 11.5cm x 5.84cm) 1.8 lbs (.82 kg)

- **6 Line Audible Ring Unit**
  - **V-9936A**
  - 90Vac Ring or Dry Contact Closure Activation
  - Connects Directly up to 6 C.O. or PBX Station Lines
  - Ringing Over Paging Speakers
  - Contact Closure Output to Activate Loud Bells
  - Automatically Overrides Page or Music
  - Built-In Warble Tone Generator
  - Specifications: Output: 8 ohm
  - Power Requirements: -24Vdc, 200mA
  - 8.2”H x 4.55”W x 2.3”D (20.82cm x 11.5cm x 5.84cm) 1.9 lbs (.86 kg)

- **C.O. Audible Ringer**
  - **V-9924C**
  - 90Vac, 18Vac, or Dry Contact Closure Activation
  - Connects to Analog PBX Station Port
  - Ringing Over Paging Speakers
  - Provides 3 Separate Zone Outputs & Volume Controls for Use w/One-Way or Talkback Page Controls
  - Automatically Overrides Page or Music
  - CE
  - Specifications: Output: 8 ohm
  - Power Requirements: -24Vdc, 300mA
  - 8.2”H x 4.55”W x 2.3”D (20.82cm x 11.5cm x 5.84cm) 1.7 lbs (.77 kg)

- **Code Call Unit**
  - **V-9923B**
  - For Security/Priority - A Tone May Be Better Than Voice
  - Use In Hospitals
  - When Voice Announcements Are Not Wanted
  - Use In Department Stores
  - Does Not Distract Customers
  - Contact Closure Output to Activate Loud Bells
  - Up to 81 Two-Digit Codes or 729 Three-Digit Codes
  - CE
  - Specifications: Input Impedance: 600ohm; Output: 8ohm
  - Power Requirements: -24Vdc, 65mA
  - 7.1”H x 5.9”W x 2.1”D (18.03cm x 14.99cm x 5.33cm) 1.9 lbs (.77 kg)
Wireless Mesh Network Wireless Clock Systems are designed to provide:

- Precision Time Keeping — Improve Time Management
- Increase Efficiency Without Cable!
- Wireless Clock Correction—Both Analog & Digital
- Each Valcom Clock Receives Wireless Signal Then Becomes a Transmitter & Repeater
- Each Clock Increases Signal Quality Through Building
- Battery Clocks Transmit/Receive Signal Once Every Four Hours at 12, 4 & 8 O’Clock
- 24 & 110-Volt Models Transmit/Receive Data Every Minute
- No License Required

Cost-Effective Clock System Uses the Same CAT 5/6 Cable as the Speakers & Call-In Switches!

Valcom’s synchronized clocks provide the single, facility wide time standard that is so important in managing an organization’s daily schedule.

The low energy circuit design permits using CAT 5/6 cable for quick, inexpensive installation with 2-wire correction for instantaneous time corrections following power outages and change to daylight saving time.

Visit Our Website for Weights & Dimensions of Clocks & Accessories.
### Clock Accessories

**Master Clock Controls - GPS - Guards/Mounting**

### Baffles
- Baffle for a 2.5" Digital Clock and an 8" Speaker: V-CSB25
- Baffle for a 12" Analog Clock and an 8" Speaker: V-CSB12S

### Backboxes (Not Pictured)
- Recessed Mount: V-CSBRB
- Surface Mount: V-CSBFB

### Speaker Assemblies
- 8" Speaker w/o Grille w/Amplifier: VSA-1020C
- 8" 45 ohm Speaker: V-936418
- 8" 25/70 Volt Speaker: V-936400

### Easy Ways to Mount Clocks

#### Analog Clock Mounts -
- Clock Surface Mount Ring for 12" Analog Clocks: V-SMR12
- Clock Surface Mount Ring for 16" Analog Clocks: V-SMR16

Mount two clocks to view from both ends of a hallway

#### Double Mount Bracket
- for 12" Analog Clocks: V-BDM12-4
- for 16" Analog Clocks: V-BDM16-4

#### Digital Clock Mounts -
- Flush Mount Housing for 2.5" Digital Clock: V-FM25
- Flush Mount Housing for 4.0" Digital Clock: V-FM40

#### Surface Mount Housing
- for 2.5" Digital Clock: V-SM25
- for 4.0" Digital Clock: V-SM40

Mount two clocks to view from both ends of a hallway

#### Double Mount Bracket
- for 2.5" Digital Clock: V-DM25-4
- for 4.0" Digital Clock: V-DM40-4

### Timer Control Box
- Chronograph Timer Control Box (for V-D11040): V-CDT

### Clock Protocol Interface
- Digital Clock Protocol Interface (for 24V Clocks): V-DCPI

### GPS Master Clock
- Valcom GPS Master Clock: V-GPS
- Valcom GPS Master Clock (Wireless): V-GPS-TX

### Clock Driver
- 6 Amp 2 Wire Clock Driver: V-VCU
  - (Clock Interface Controller Kit for 24V Clocks)
- 2-Wire Headend Clock Driver Packages: V-DCH
  - (2 Rack Unit or Wall Mount for 24V Clocks)

### Wire-Guard
- Our Heavy Duty Welded-Steel Wire-Guards Provide Protection for Clocks in Gymnasiums & Other Potential High Damage Areas
  - 12" Wire-Guard for Analog Clocks: V-WGA12
  - 16" Wire-Guard for Analog Clocks: V-WGA16
  - 4" Wire-Guard for Digital Clocks: V-WGD4

### Wireless Master Clock Transceiver & Repeater
- Wireless Master Clock Transceiver: V-WMC
- Wireless Master Clock Repeater: V-WMCR

---

*Our Low Energy Circuit Design Lets You Use Inexpensive Cat 5/6 Cable!*
### Quick & Easy Product Index

#### Basic System Products

**STEP 1  Select A Page Control**

**ANALOG PAGE CONTROLS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
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<tbody>
<tr>
<td><strong>2000 SERIES™ One-Way</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Zone</td>
<td>V-2000A</td>
<td>+12</td>
<td>6</td>
</tr>
<tr>
<td>1 Zone Enhanced</td>
<td>V-2001A</td>
<td>+20</td>
<td>6</td>
</tr>
<tr>
<td>3 Zone</td>
<td>V-2003A</td>
<td>+20</td>
<td>6</td>
</tr>
<tr>
<td>Optional Plug-In Talkback Card for V-2003A</td>
<td>V-9953</td>
<td>-10</td>
<td>6</td>
</tr>
<tr>
<td>6 Zone</td>
<td>V-2006A</td>
<td>+30</td>
<td>6</td>
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<tr>
<td>Optional Plug-In Talkback Card for V-2006A</td>
<td>V-9956</td>
<td>-10</td>
<td>6</td>
</tr>
<tr>
<td>9 Zone One-Way All Call</td>
<td>V-1109RTVA</td>
<td>-6</td>
<td>6</td>
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</table>

| **2000 SERIES™Talkback** | | | |
| 3 Zone | V-2003AHF | +10 | 6 |
| 6 Zone | V-2006AHF | +20 | 6 |

**DualPath V-2924A Accessories**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option Card</td>
<td>V-2926</td>
<td>0</td>
<td>7</td>
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<tr>
<td>Option Card w/Time Event Scheduler</td>
<td>V-2928</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Clock Relay Card</td>
<td>V-CIO</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Clock Control Card</td>
<td>V-2927</td>
<td>0</td>
<td>7</td>
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<tr>
<td>Clock Correction Kit</td>
<td>V-CLK2924</td>
<td>0</td>
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**MultiPath**

See Accessories Listed on Page 32

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Zones Wall Mount</td>
<td>V-2924A</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Add 24 Zones (Up to 3 on V-2924A) Wall Mount</td>
<td>V-2925A</td>
<td>0</td>
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### STEP 2 Select Speakers & Horns

**SPEAKERS**

**One-Way Ceiling w/Built-In Amplifier & Volume Control**

<table>
<thead>
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<th>Description</th>
<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
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<tbody>
<tr>
<td>P-Tec™ Ceiling Speaker White</td>
<td>V-1001</td>
<td>-1</td>
<td>8</td>
</tr>
<tr>
<td>2' x 2' Lay-In Ceiling w/Backbox, White</td>
<td>V-9022</td>
<td>-1</td>
<td>8</td>
</tr>
<tr>
<td>2' x 2' Lay-In European Version</td>
<td>V-9022EC</td>
<td>-1</td>
<td>8</td>
</tr>
<tr>
<td>2' x 2' Lay-In Dual-Input w/Backbox</td>
<td>V-9028</td>
<td>-1</td>
<td>8</td>
</tr>
<tr>
<td>4&quot; Ceiling Speaker White</td>
<td>V-1010C</td>
<td>-1</td>
<td>9</td>
</tr>
<tr>
<td>8&quot; Ceiling Speaker White</td>
<td>V-1020C</td>
<td>-1</td>
<td>9</td>
</tr>
<tr>
<td>8&quot; Ceiling Speaker Dual-Input White</td>
<td>V-1220</td>
<td>-1</td>
<td>9</td>
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<tr>
<td>8&quot; Clean Room Ceiling Speaker White</td>
<td>V-1040</td>
<td>-1</td>
<td>9</td>
</tr>
<tr>
<td>4&quot; Recessed w/Mounting Ring &amp; Rails</td>
<td>V-1011-MR</td>
<td>-1</td>
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<tr>
<td>8&quot; Recessed w/Backbox &amp; Rails</td>
<td>V-1012-BB</td>
<td>-1</td>
<td>9</td>
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<tr>
<td>8&quot; Square Ceiling Speaker White</td>
<td>V-1920C</td>
<td>-1</td>
<td>9</td>
</tr>
<tr>
<td>Surface Mount Ceiling Vandal-Resistant</td>
<td>V-9010-W</td>
<td>-1</td>
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**Talkback Ceiling**

<table>
<thead>
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<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
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<tbody>
<tr>
<td>8&quot; Square Ceiling Speaker White V-CTSQPK</td>
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<tr>
<td>P-Tec™ Ceiling Speaker White</td>
<td>V-1070</td>
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<tr>
<td>8&quot; Ceiling Speaker White</td>
<td>V-1060A</td>
<td>0</td>
<td>9</td>
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<tr>
<td>8&quot; Ceiling Speaker w/LED, White</td>
<td>V-1060B</td>
<td>0</td>
<td>9</td>
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<tr>
<td>2' x 2' Lay-In Ceiling Spkr w/Backbox V-9062</td>
<td>0</td>
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**Round Speaker Mounting Hardware**

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<th>Description</th>
<th>Part #</th>
<th>VPU</th>
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<tbody>
<tr>
<td>Bridge for 4&quot; Speaker (5 Pack)</td>
<td>V-9904M-5</td>
<td>NA</td>
<td>9</td>
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<tr>
<td>Must Use V-9904M-5 Bridge &amp; V-9915M-5 Backbox Together</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Bridge for 8&quot; Speaker (5 Pack)</td>
<td>V-9914M-5</td>
<td>NA</td>
<td>9</td>
</tr>
<tr>
<td>Backboxes for 4&quot; &amp; 8&quot; (5 Pack)</td>
<td>V-9915M-5</td>
<td>NA</td>
<td>9</td>
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<tr>
<td>Bridge/Backbox Combo for 8&quot;</td>
<td>V-9916M</td>
<td>NA</td>
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<tr>
<td>Pre-Construction Bridge Metal (10 Pack)</td>
<td>V-9912M-10</td>
<td>NA</td>
<td>9</td>
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<tr>
<td>Post-Const. Mount Ring Rads (22 Rads)</td>
<td>V-9912P-12</td>
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**Optional Square Speaker Backbox**

<table>
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<tbody>
<tr>
<td>Square Flush Mount Backbox Metal</td>
<td>V-1992</td>
<td>NA</td>
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<tr>
<td>Square Surface Mount Backbox Metal</td>
<td>V-1991</td>
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**Speaker Assemblies**

<table>
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<th>VPU</th>
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<tbody>
<tr>
<td>8&quot; Square Grille</td>
<td>V-936480</td>
<td>NA</td>
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<tr>
<td>8&quot; Speaker w/o Grille w/amplifier</td>
<td>VSA-1029C</td>
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<tr>
<td>8&quot; 45 ohm Speaker w/Volume Levels</td>
<td>V-936418</td>
<td>0</td>
<td>9</td>
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<tr>
<td>8&quot; 25/70 Volt Speaker</td>
<td>V-936400</td>
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**One-Way Wall w/Built-In Amplifier & Volume Control**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>VPU</th>
<th>Page #</th>
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<tbody>
<tr>
<td>Wall Black</td>
<td>V-1016-BK</td>
<td>-1</td>
<td>10</td>
</tr>
<tr>
<td>Wall White</td>
<td>V-1016-W</td>
<td>-1</td>
<td>10</td>
</tr>
<tr>
<td>Wall Woodgrain Brown</td>
<td>V-1023C</td>
<td>-1</td>
<td>10</td>
</tr>
<tr>
<td>Wall Woodgrain Light</td>
<td>V-1022C</td>
<td>-1</td>
<td>10</td>
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<tr>
<td>Wall Gray Metal (Paintable)</td>
<td>V-1052C</td>
<td>-1</td>
<td>10</td>
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<tr>
<td>Bi-Directional Corridor Brown</td>
<td>V-1027C</td>
<td>-1</td>
<td>10</td>
</tr>
<tr>
<td>Bi-Directional Corridor Light</td>
<td>V-1026C</td>
<td>-1</td>
<td>10</td>
</tr>
<tr>
<td>Bi-Directional Corridor White</td>
<td>V-1026C-W</td>
<td>-1</td>
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<tr>
<td>Corner Woodgrain Brown</td>
<td>V-1025C</td>
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<tr>
<td>Corner Woodgrain Light</td>
<td>V-1024C</td>
<td>-1</td>
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<tr>
<td>Corner Gray Metal (Paintable)</td>
<td>V-1054C</td>
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<tr>
<td>Dual-Input Wall Wood Light</td>
<td>V-1222</td>
<td>-1</td>
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<tr>
<td>Dual-Input Corner Woodgrain Light</td>
<td>V-1224</td>
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<tr>
<td>Dual-Input Bi-Directional Corridor Light</td>
<td>V-1226</td>
<td>-1</td>
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<tr>
<td>Slimline™ Wall Speaker</td>
<td>V-1042</td>
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**Talkback Wall**

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<td>V-1061-BK</td>
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<td>Wall White</td>
<td>V-1061-W</td>
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<td>Wall Woodgrain Brown</td>
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<tr>
<td>Wall Woodgrain Light</td>
<td>V-1062A</td>
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<tr>
<td>Wall Gray Metal (Paintable)</td>
<td>V-1071C</td>
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<tr>
<td>Dual-Input Wall Wood Light w/LED</td>
<td>V-1062B</td>
<td>0</td>
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<td>Corner Woodgrain Brown</td>
<td>V-1065A</td>
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<td>Corner Woodgrain Light</td>
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<td>10</td>
</tr>
<tr>
<td>Corner Gray Metal (Paintable)</td>
<td>V-1055C</td>
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<tr>
<td>Bi-Directional Corridor Brown</td>
<td>V-1067A</td>
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<tr>
<td>Bi-Directional Corridor Light</td>
<td>V-1066A</td>
<td>0</td>
<td>10</td>
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<tr>
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</tr>
<tr>
<td>Slimline™ Wall Speaker</td>
<td>V-1046</td>
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**Speaker Colors:**

*Speaker Available in Custom Colors... and some + Available in BK, GY, W, BR, ++ Available in W, GY, BK, +++ Available in W, GY, BG*
### SPECIALTY SPEAKERS

**Doorplate Speakers Weather-Resistant Talkback Speakers**

Flush Mount Brass V-1072A-Brass 0 13
Flush Mount Stainless Steel V-1072A-ST 0 13
Flush Mount LED Brass V-1072B-Brass 0 13
Flush Mount LED Stainless Steel V-1072B-ST 0 13
Flush Mount Vandal-Proof (Paintable) V-1073 0 13
Surface Mount V-1074 0 13

Misc Specialty Speakers

Desktop/Wall Speaker One-Way V-763++ -1 13
Desktop/Wall Speaker Talkback V-762++ 0 13
Desktop/Wall Speaker Talkback Push Button V-764++ 0 13
Surface Mount Ceiling Vandal-Resistant, One-Way V-9010-W* -1 13
Spot SoundMasking Speaker™ w/Noise Generator 2’ x 2’ Lay-In Ceiling V-9422+ 0 13
Spot SoundMasking Speaker™ 2’ x 2’ European Version V-9422-EC* 0 13
Bi-Directional One-Way Beige V-1050C 0 13

### HORN SPEAKERS

One-Way w/Built-In Amplifier & Volume Control

5-Watt, Horn Beige V-1030C 5 14
5-Watt, Horn Gray V-1030C-GY 5 14
5-Watt, Marine White V-1030M 5 15
15-Watt, Marine White V-1036M 15 15
15-Watt, Horn Beige V-1036C 15 14
15-Watt, Horn Gray V-1036C-GY 15 14
30-Watt, Horn Beige V-1038 30 14
FlexHorn V-1080+ 3 15

Talkback

Horn Beige V-1048C 0 14
Horn w/LED Beige V-1048B 0 14
Horn Gray V-1048C-GY 0 14
Marine White V-1048M 0 15
Marine White V-1048-W 0 15
FlexHorn™ V-1090+ 0 15

Optional FlexHorn Accessories

Vandal-Resistant Enclosure w/Faceplate Stainless Steel V-9805 N/A 15
Vandal-Resistant Faceplate Stainless Steel V-9806 N/A 15

### POWER SUPPLIES

**-24 Vdc Switching**

1 Amp, Wall Mount VP-1124(-EC,-UK) +20 16
2 Amp, Wall Mount VP-2124A(-EC,-UK) +40 16
4 Amp, -24/-48Vdc VP-6124(-E) +80 16
6 Amp, Wall Mount VP-6124(-E) +120 16
12 Amp, Wall Mount VP-12124 +240 16

**Power Supply Accessories**

Shelf Mount (Hold one each of VP-4124 or VP-6124) VP-9202 N/A 16

**-24 Vdc/120Vac**

0.25 Amp Unfiltered VP-324 +6 17
0.6 Amp Filtered VP-624B +12 17

**Special Purpose 48 Vdc**

2 Amp Filtered VP-2048C 0 17
400 mA 12 V, Unfiltered VP-412A 0 17

**BackUp Power**

Battery Back-Up Power VPB-260 0 17
Battery Back-Up Charger VP-6124-UPS 0 17
Battery Box w/Batteries VBB-1424 0 17

**230VAC Power Supplies**

-EC European Power Supply (Plug Included)
-E Power Supply
-UK United Kingdom Power Supply (Plug Included)

### ADD-ON PRODUCTS

**DOOR ENTRY/INTERCOMS**

**Single Door Answering Control**

Talkback Communication Only (No Door Unlock) V-2900 Power Inc. 18

**Door Unlocking Controls**

Single Door V-2901A -12 18
Four Door V-2904 -12 18
DoorPhone™ Speaker Controller V-5324001 0 18
Station DoorPhone™ V-5324004 0 18

**Doorplate Speakers Weather-Resistant Talkback Speakers**

Flush Mount Brass V-1072A-Brass 0 18
Flush Mount Stainless Steel V-1072A-ST 0 18
Flush Mount LED Brass V-1072B-Brass 0 18
Flush Mount LED Stainless Steel V-1072B-ST 0 18
Flush Mount Vandal-Proof (Paintable) V-1073 0 18
Surface Mount V-1074 0 18

**INTERCOM SYSTEMS**

**DualPath**

24 Zones Wall Mount V-2924A 0 19
Add 24 Zones (Up to 3 on V-2924A) Wall Mount V-2925A 0 19

**DualPath Accessories**

Option Card V-2926 0 19
Option Card w/Time Event Scheduler V-2928 0 19
Clock Relay Card V-CIO 0 19
Clock Control Card V-2907 0 19
Clock Correction Kit V-CLC9294 0 19

Talkback Intercom Systems Continued Page 32
### TALKBACK INTERCOM SYSTEMS

**MultiPath Software-Driven**

<table>
<thead>
<tr>
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<th>Wall Mount</th>
<th>V-TW24</th>
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<td>Wall Mount</td>
<td>V-TW48</td>
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<td>19</td>
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<tr>
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<td>96</td>
<td>Rack Mount</td>
<td>V-TR96</td>
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**PBX Loop Start Trunk, Electronic Key Line, Single Line Phone**

<table>
<thead>
<tr>
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<th>Wall Mount</th>
<th>V-9941A</th>
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<tbody>
<tr>
<td>9</td>
<td>Wall Mount</td>
<td>V-1109RTHF</td>
<td>-6</td>
<td>19</td>
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</tbody>
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### MULTIPATH ACCESSORIES

**MultiPath Talkback Speakers**

| 8" Ceiling Speaker w/Taps (8/Package) | V-CB06PK | 0 | 20 |
| 8" Wall Speaker w/Taps, Gray Metal (Pointable) | V-WTGY | 0 | 20 |
| FlexHorn™ | VC-1090-++ | 0 | 20 |
| Optional Vandal-Resist Enclosure | Faceplate Stainless Steel | V-9805 | 0 | 20 |
| 2" x 2" Lay-In Ceiling w/Backbox | V-CTL | 0 | 20 |

**Expansion Cards**

- CPU Card W/2 V-SLC Cards (4 links) | V-CPU4 | 0 | 20 |
- Serial Card | V-SEK | 0 | 20 |
- 24 Point One-Way Paging Exp. Card | V-STX | 0 | 20 |
- 24 Point Talkback Intercom Exp. Card | V-TCM | 0 | 20 |

**Modem Kit External Modem 33.6k** | VCMDM | 0 | 20 |
- Program Distribution Panel | V-PDP | 0 | 20 |
- SLIC Card - 2 Telephone Interface Circuits | V-SLC | 0 | 20 |
- Music - AM/FM CD Control Panel w/VP-624 | V-RDP | 0 | 20 |
- Universal Relay Interface | V-URI | 0 | 20 |
- One-Way Paging Adapter | V-LPT | 0 | 20 |
- Emergency/Normal Call-In Switch Stainless Steel | V-2970 | 0 | 20 |
- Push Button Call-In Switch (8/Package) | V-2972PK | 0 | 20 |

**Mounting**

- 9 Position Card Cage Rack Mount | V-MCRK | 0 | 20 |
- 4 Position Wall Mount Rack | V-MWRK | 0 | 20 |

**Backplane Cables**

- 4 Position Feature Cards | VC40R-4 | 0 | 20 |

**Includes Backplane Terminator**

- 8 Position Feature Cards | VC40R-8T | 0 | 20 |
- 9 Position Feature Cards | VC40R-9T | 0 | 20 |
- 16 Position Feature Cards | VC40R-16T | 0 | 20 |

**Connections**

- Clock Control Interface Pkg | V-CLK | 0 | 20 |
- Large LED Display Package | V-DSP | 0 | 20 |

**Power Supplies**

- 6 Amp Positive 24 Vdc Wall Mount | V-C6124P | 0 | 20 |

### SIP PAGING SYSTEMS

**SIP Paging Gateway 200 Series Page Controls**

| Voice Access to 1 Zone of One-Way Analog Paging | VIP-201 | 0 | 22 |
| Plus 8 Zones of IP Paging | VIP-204 | 0 | 22 |

### SIP PAGING SPEAKERS

**SIP Ceiling Speakers One Way**

- 8" Ceiling Speaker | VIP-120* | 0 | 22 |
- 2' x 2' Lay-In w/Integral Backbox | VIP-402* | 0 | 22 |
- 2' x 2' Lay-In European Version | VIP-402-EC* | 0 | 22 |

**Wall Speaker One-Way**

- Wall Speaker, Gray Metal (Pointable) | VIP-410* | 0 | 22 |
- Wall Speaker/Digital Clock Surface Mount | VIP-411-DS | 0 | 22 |
- Wall Speaker/Digital Clock Flush Mount | VIP-412-DF | 0 | 22 |

**SIP Horns One-Way**

- IP FlexHorn™ w/Long Line Extender | VIP-480L* | 0 | 22 |
- Optional Vandal-Resistant Enclosure | Faceplate Stainless Steel | V-9805 | N/A | 22 |
- 5-Watt High-Efficiency Horn | V-130L*** | 0 | 22 |

### SIP DOORPLATE SPEAKERS

**Intercom/Doorplate Speaker**

- Flush Mount w/Call Button/LED Brass | VIP-172L-BRASS | 0 | 23 |
- Flush Mount w/Call Button/LED Stainless Steel | VIP-172L-ST | 0 | 23 |
- Flush Mount Vandal-Proof | V-172L-VR | 0 | 23 |

**Power Supplies**

- Power Supply 0.25 Amp | VIP-324 | 0 | 23 |

**Accessories**

- NETWORKED Input & Relay Module | VIP-848 | 0 | 23 |
- IP Tie Line | VIP-854 | 0 | 23 |

### IN-WALL MODULAR MIXER

**In-Wall Modular Mixer**

- In-Wall Modular Mixer | VIP-9983-W | -1 | 24 |
- In-Wall Modular Mixer, w/Remote | VIP-9985-W | -1 | 24 |
- In-Wall Remote Module | VIP-9984-W | -1 | 24 |

### SYSTEM ENHANCEMENTS

**Call-In Switches**

- Volume Control, Stainless Steel | V-2971 | 0 | 25 |
- Volume Control, White | V-2991-W | 0 | 25 |

**Speaker Volume Controls**

- Speaker Volume Control, Stainless Steel | V-1092 | 0 | 25 |
- Speaker Volume Control, White | V-2992-W | 0 | 25 |

**Paging Expansion**

- Page Port PreAmp/Expander, Stainless Steel | VIP-1094A | -1 | 25 |
- Page Port PreAmp/Expander, White | VIP-2994-W | -1 | 25 |

**25/70/100 Volt Paging Expansion**

- 70 Volt Expander, Stainless Steel | VIP-1095 | 0 | 25 |
- 70 Volt Expander, White | VIP-2995-W | 0 | 25 |
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### CLOCK ACCESSORIES

#### Baffles

- Digital Baffle, Baffle for a 2.5" Digital Clock and an 8" Speaker (Pointable) V-CSB25 | 0 | 29 |
- Analog Baffle, Baffle for a 12" Analog Clock and an 8" Speaker (Pointable) V-CSB125 | 0 | 29 |

#### Backboxes

- Recessed Mount (Pointable) V-CSBRB | 0 | 29 |
- Surface Mount (Pointable) V-CSBFB | 0 | 29 |

#### Speaker Assemblies

- 8" Speaker w/o Grille w/amplifier VSA-1020C | -1 | 29 |
- 8" 45 ohm Speaker w/ Volume Level V-936418 | -1 | 29 |
- 8" 25/70 Volt Speaker V-936400 | -1 | 29 |

#### Timer Control Box

- Chronograph Timer Control Box (for V-D11040) V-CDT | 0 | 29 |

#### Clock Protocol Interface

- Digital Clock Protocol Interface (for 24V clocks) V-DCPI | 0 | 29 |

#### GPS Master Clock

- Valcom GPS Master Clock V-GPS | 0 | 29 |
- Valcom GPS Master Clock (Wireless) V-GPS-TX | 0 | 29 |

#### Clock Driver

- 6 Amp 2 Wire Clock Driver V-VCD | 0 | 29 |
- 2-Wire Headend Clock Driver Packages V-VCU | 0 | 29 |

#### Wire-Guard

- 12" Wire-Guard for Analog Clock V-WGA12 | 0 | 29 |
- 16" Wire-Guard for Analog Clock V-WGA16 | 0 | 29 |
- 4" Wire-Guard for Digital Clocks V-WGD4 | 0 | 29 |

#### Wireless Master Clock Transceiver & Repeater

- Wireless Master Clock Transceiver V-WMC | 0 | 29 |
- Wireless Master Clock Repeater V-WMCR | 0 | 29 |

#### Analog Clock Masts

- Clock Surface Mount Ring for 12" Analog Clock V-SMR12 | 0 | 29 |
- Clock Surface Mount Ring for 16" Analog Clock V-SMR16 | 0 | 29 |
- Double Mount Bracket for 12" Analog Clock V-BDM12-4 | 0 | 29 |
- Double Mount Bracket for 16" Analog Clock V-BDM16-4 | 0 | 29 |

#### Digital Clock Masts

- Flush Mount Housing for 2.5" Digital Clock V-FM25 | 0 | 29 |
- Flush Mount Housing for 4.0" Digital Clock V-FM40 | 0 | 29 |
- Surface Mount Housing for 2.5" Digital Clock V-SM25 | 0 | 29 |
- Surface Mount Housing for 4.0" Digital Clock V-SM40 | 0 | 29 |
- Double Mount Bracket for 2.5" Digital Clock V-DM25-4 | 0 | 29 |
- Double Mount Bracket for 4.0" Digital Clock V-DM40-4 | 0 | 29 |

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**Valcom CLOCK ACCESSORIES**

**Baffles**

- Digital Baffle, Baffle for a 2.5" Digital Clock and an 8" Speaker (Pointable) V-CSB25
- Analog Baffle, Baffle for a 12" Analog Clock and an 8" Speaker (Pointable) V-CSB125

**Backboxes**

- Recessed Mount (Pointable) V-CSBRB
- Surface Mount (Pointable) V-CSBFB

**Speaker Assemblies**

- 8" Speaker w/o Grille w/amplifier VSA-1020C
- 8" 45 ohm Speaker w/ Volume Level V-936418
- 8" 25/70 Volt Speaker V-936400

**Timer Control Box**

- Chronograph Timer Control Box (for V-D11040) V-CDT

**Clock Protocol Interface**

- Digital Clock Protocol Interface (for 24V clocks) V-DCPI

**GPS Master Clock**

- Valcom GPS Master Clock V-GPS
- Valcom GPS Master Clock (Wireless) V-GPS-TX

**Clock Driver**

- 6 Amp 2 Wire Clock Driver V-VCD
- 2-Wire Headend Clock Driver Packages V-VCU

**Wire-Guard**

- 12" Wire-Guard for Analog Clock V-WGA12
- 16" Wire-Guard for Analog Clock V-WGA16
- 4" Wire-Guard for Digital Clocks V-WGD4

**Wireless Master Clock Transceiver & Repeater**

- Wireless Master Clock Transceiver V-WMC
- Wireless Master Clock Repeater V-WMCR

**Analog Clock Masts**

- Clock Surface Mount Ring for 12" Analog Clock V-SMR12
- Clock Surface Mount Ring for 16" Analog Clock V-SMR16
- Double Mount Bracket for 12" Analog Clock V-BDM12-4
- Double Mount Bracket for 16" Analog Clock V-BDM16-4

**Digital Clock Masts**

- Flush Mount Housing for 2.5" Digital Clock V-FM25
- Flush Mount Housing for 4.0" Digital Clock V-FM40
- Surface Mount Housing for 2.5" Digital Clock V-SM25
- Surface Mount Housing for 4.0" Digital Clock V-SM40
- Double Mount Bracket for 2.5" Digital Clock V-DM25-4
- Double Mount Bracket for 4.0" Digital Clock V-DM40-4

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**Valcom CLOCKS**

**WIRELESS**

- Digital Wall, Flush or Double Mount, Black
  - 24V, 2.5" V-D2400 | 0 | 28 |
  - 24V, 4.0" V-D2400 | 0 | 28 |
  - 110VAC/24V, 2.5" V-D11040 | 0 | 28 |
  - 110VAC/24V, 4.0" V-D11040 | 0 | 28 |

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**VALECOM CLOCKS**

### WIRELESS

- Digital Wall, Flush or Double Mount, Black
  - 24V, 2.5" V-D2405 | 0 | 28 |
  - 24V, 4.0" V-D2405 | 0 | 28 |
  - 110VAC/24V, 2.5" V-D11025 | 0 | 28 |
  - 110VAC/24V, 4.0" V-D11025 | 0 | 28 |

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**WIRED**

- Digital Wall, Flush or Double Mount, Black
  - 24V, 2.5" V-D2412 | 0 | 28 |
  - 24V, 4.0" V-D2412 | 0 | 28 |
  - 110VAC/24V, 2.5" V-D11012 | 0 | 28 |
  - 110VAC/24V, 4.0" V-D11012 | 0 | 28 |
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*Speaker Colors: *Speaker Available in Custom Colors... and some + Available in BK, GY, W, BR, ++ Available in W, GY, BK, +++ Available in W, GY, BG

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See website for Music-4-Life CD's

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Glossary

All Call – One-way broadcast of announcements to all paging speakers in a system.

Background Music – Music played over paging speakers. Typically mutes only on the speaker(s) being paged.

Clock Tones – A single tone played over paging speakers used to indicate break time, class/shift changes or any other scheduled event.

Contact Closure – A switch closure used to activate/deactivate a device (door locks, tones, cameras).

FXO Port – Foreign Exchange Office Port – emulates a Loop Start Trunk Port on a traditional PBX. This port will connect to FXS or Analog Station Port from another piece of equipment.

FXS Port – Foreign Exchange Subscribe Port – emulates an analog station port on a traditional PBX. This port will connect to a FXO or Loop Start Trunk Port from another piece of equipment.

Group Call – One-way broadcast to a selected group of zones.

Ground Start Trunk Port – A telephone system port that connects to a “ground start” type telephone line.

IP Paging – Allows overhead paging to be transported over an existing IP data network topology.

Loop Start Trunk Port – A telephone system port that connects to a “loop start” type telephone line. Same functions as FXO.

Mesh Network – A wireless network that uses repeaters which communicate to multiple other repeaters providing redundant communication paths.

MultiPath – Multiple simultaneous talkpath access method.

Night Ring/UNA Tones – A warble tone that is broadcast over paging speakers when a phone line rings after hours. Usually activated by a signal from the telephone system.

One-Way Paging – A voice page that is broadcast over speakers. Listeners hear messages but cannot reply.

Page Control – The brains of the paging system, much like the CPU (Central Processing Unit) of a computer system. Valcom Page Controls are specifically designed for telephone integration.

Page Port – One type of telephone system paging output used to activate voice paging over speakers.

DualPath – Dual talkpath access method.

SIP – Session initiation protocol, IP system interface.

Stand Alone – A paging system that is not integrated with the telephone system – usually accessed by a dedicated telephone set or microphone.

Station Port – A port on a telephone system where a system telephone connects – may be digital or analog. Same function as FXS.

Talkback Paging – A voice page that allows the listeners in the area being paged to respond directly back through the speaker providing handsfree two-way communication.

VoIP – Voice over internet protocol.

Zone – An area that can be paged independently of other areas. For instance, a warehouse may be a zone and the office area may be a zone — each zone (area) can be paced independently or simultaneously.

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• Product Installation Documents
• Marketing Sheets
• Industry Guides
• Application Briefs
• A & E Specs
• Site Survey Form

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