

Valcom Easy Design Tips



1 Select A Page Control:

Page Controls are the "Brain" of the system, much like the CPU (Central Processing Unit) of a computer system and are specifically designed for telephone system integration.

Systems are easily field expandable and/or upgradable to allow for future adds, moves, and changes.

Easy Selection Considerations:

- Number of Zones
- One-Way or Talkback / Mixed
Broadcast Only Two-Way HandsFree Broadcast & Two-Way
- Special Features
- Telephone Access Method/Port



2 Select Speakers & Horns:

Speaker and horn selections are based on needs or requirements of each individual room/area.

Speakers are generally used for interior environments and provide high quality music and voice reproduction. Speakers are designed to sound good and look good. It's easy to use hundreds of one-way speakers in a zone - large numbers of speakers simply require additional power per area (see Step 3)

Horns offer high efficiency, rugged construction and superb voice quality. Horns are typically used outdoors or in loud, industrial or harsh interior areas.

The talkback feature is most suited in areas where people can have a normal conversation. Most talkback zones can have 2 talkback speakers plus 40 one-way speakers.

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



3 Select A Power Supply: (If Needed)

Built-in power is often included in the Page Control, so an additional power supply may not be needed. Power required for a paging system is based on the quantity/type of Page Control and Speakers/Horns.

Example Adding Squares & Circles . . .

a. Simply Total All Page Control VPU's	Page Control	1 x +30 = +30	VPU Provided
b. Simply Total All Speaker/Horn VPU's	Speakers	15 x -1 = -15	VPU Consumed
c. Subtract b from a		+15	TOTAL VPU'S LEFT OVER No Power Supply Needed!

- If you have VPU's left over - You can add more speakers!
- If you need more VPU's - Simply select a Power Supply with enough VPU's to make up the difference!

Easy Selection Considerations:

- Products provide or consume power and are assigned a

Valcom Power Unit (VPU):

Power Provided + #
or
Power Consumed - #

- Products that Neither Consume OR Provide Power are a 0
- NOTE: One Valcom Power Unit = 50 mA., -24 Vdc

For Design Assistance, Sales & Technical Support Call 1-800-VALCOM-1 (800-825-2661)

VALCOM
www.valcom.com

Valcom Quick & Easy Product Index

STEP 1

Product Description	Part #	VPU #	Product Description	Part #	VPU #	
PAGE CONTROLS						
2000 SERIES™ One-Way						
1 Zone w/Power	V-2000A	+12	Expandable Talkback System	V-2924A	0	
1 Zone w/Power	V-2001A	+20		V-2925A	0	
3 Zone w/Power	V-2003A	+20		V-2926	0	
Optional Talkback for V-2003A	V-9953	-10		V-2928	0	
				V-2970	0	
6 Zone w/Power	V-2006A	+30	Call In Switch	V-2971	0	
Optional Talkback for V-2006A	V-9956	0	Push Button Desktop Speaker	V-764*	0	
2000 SERIES™ Talkback						
3 Zone w/Power	V-2003AHF	+10	Door Entry/Security Systems	V-2900	Power Included	
6 Zone w/Power	V-2006AHF	+20		1 Door- Activates Door Locks	V-2901A	+12
				4 Door- Activates Door Locks	V-2904	+12
Traditional One-Way						
9 Zone	V-1109RTVA	-6	Door Speakers	Flush Mount Brass	V-1072A-BRASS	0
Traditional Talkback						
1 Zone	V-9941A	-6		Flush Mount Stainless Steel	V-1072A-ST	0
9 Zone	V-1109RTHF	-6		Flush Mount LED Brass	V-1072B-BRASS	0
				Flush Mount LED Stainless Steel	V-1072B-ST	0
				Vandal-Resistant	V-1073	0
Central Office Line Paging						
Digital 1 Zone One-Way	V-9970	-4	VoIP "Voice Over Internet"	Surface Mount	V-1074	0
Expandable Station Page Adapter Talkback	V-9940	-4		Networked Audio Port	VIP-800	N/A
				Networked Station Port	VIP-810	N/A
				Networked Trunk Port	VIP-820	N/A
			Rack Mount Kit	VIP-903	N/A	

SPEAKERS

One-Way Amplified Ceiling

4" Ceiling	V-1010C *	-1
8" Ceiling	V-1020C *	-1
8" Dual-Input Ceiling	V-1220 *	-1
Hi-Fi Signature Series™ Ceiling	V-1420	-4
4" Recessed w/MountRing	V-1011-MR	-1
8" Recessed w/Backbox	V-1012-BB	-1
2x1' Lay-In Ceiling w/Backbox	V-9021	-1
2x2' Lay-In Ceiling w/Backbox	V-9022	-1
2x1' Dual-Input Lay-In w/Backbox	V-9028	-1
1-Watt, Track-Style	V-1013B *	-1
5-Watt, Track-Style	V-1014B *	-6
5-Watt, Pendant	V-1015B *	-6

Talkback Ceiling

8" Ceiling	V-1060A *	0
2x1' Lay-In Ceiling w/Backbox	V-9061	0
2x2' Lay-In Ceiling w/Backbox	V-9062	0
Pendant	V-1019B *	0

Speaker Accessories

Bridge For 4" Must Use w/V-9915M-5 (5/Pack)	V-9904M-5	N/A
Bridge For 8" Ceiling Speakers	V-9914-5	N/A
Bridge For 8" Ceiling Speakers (5/Pack)	V-9914M-5	N/A
Backbox For 8" Ceiling Speakers (Requires V-9914)	V-9915	N/A
Backbox For 8" Ceiling Speakers (5/Pack)	V-9915M-5	N/A
Bridge/Backbox Combo For 8"	V-9916	N/A
Bridge/Backbox Combo For 8"	V-9916M	N/A
Bridge/Backbox Combo For V-1420	V-9816M	N/A
Pre-Const. Ceiling Bridge Metal (10/Pk)	V-9912M-10	N/A
Post-Const. Mounting Ring Plastic (12/Pk)	V-9912P-12	N/A
Mounting Bracket For V-1440	V-9804	N/A
Speaker Volume Control Wall Mount	V-1092	0
6' Add'l Chain For Pendants	V-1093-BK	N/A
SPOT Sound Masking Speaker™	V-9422	0

HORNS

One-Way Amplified

5-Watt, High-Efficiency Beige	V-1030C	-6
5-Watt, High-Efficiency Gray	V-1030C-GY	-6
5-Watt, Marine White	V-1030M	-6
15-Watt, High-Efficiency Beige	V-1036C	-18
15-Watt, High-Efficiency Gray	V-1036C-GY	-18
15-Watt, Marine White	V-1036M	-18
30-Watt, 48 Vdc Beige	V-1038	N/A
Explosion-Proof, 7-Watt Gray	V-1039A	-20
5-Watt, Bi-Directional Beige	V-1050C	-6
FlexHorn™ 3-Watt w/Mounting Bracket	V-1080	-3

One-Way Amplified Wall

Wall Black	V-1016-BK	-1
Wall White	V-1016-W	-1
Wall Woodgrain Light	V-1022C	-1
Wall Woodgrain Brown	V-1023C	-1
Corner Woodgrain Light	V-1024C	-1
Corner Woodgrain Brown	V-1025C	-1
Corridor Bi-Directional Light	V-1026C	-1
Corridor Bi-Directional White	V-1026C-W	-1
Corridor Bi-Directional Brown	V-1027C	-1
SlimLine™ Wall	V-1042 *	-1
Dual-Input Wall Wood Light	V-1222	-1
Dual-Input Corner Wood Light	V-1224	-1
Dual Corridor Bi-Direct. Light	V-1226	-1
Dual Corridor Bi-Direct. White	V-1226-W	-1
Hi-Fi Signature Series™ Monitor	V-1440 *	-4
Hi-Fi Signature Series™ In-Wall	V-1450	-4
Surface Mount Vandal-Resistant White	V-9010-W	-1
Desktop/Wall	V-763 *	-1

Talkback Wall

SlimLine™ Wall	V-1046 *	0
Wall Black	V-1061-BK	0
Wall White	V-1061-W	0
Wall Woodgrain Light	V-1062A	0
Wall Woodgrain Brown	V-1063A	0
Corner Woodgrain Light	V-1064A	0
Corner Woodgrain Brown	V-1065A	0
Corridor Bi-Directional Light	V-1066A	0
Corridor Bi-Directional White	V-1066A-W	0
Corridor Bi-Directional Brown	V-1067A	0
Desktop/Wall	V-762 *	0
Push Button Desktop/Wall	V-764 *	0

Talkback

High-Efficiency Beige	V-1048C	0
High-Efficiency Gray	V-1048C-GY	0
Marine White	V-1048M	0
Explosion-Proof Gray	V-1069A	0
FlexHorn™ w/Mounting Bracket	V-1090	0

Accessories for FlexHorn™

Vandal-Resistant Enclosure	V-9805	N/A
Vandal-Resistant Faceplate	V-9806	N/A

* Available in Several or Custom Coloring — Call for Details.

POWER SUPPLIES

-24 Vdc Switching

1 Amp, Wall Mount	VP-1124	+20
2 Amp, Wall Mount	VP-2124A	+40
4 Amp, -24/-48Vdc, Wall	VP-4124	+80
6 Amp, Wall Mount	VP-6124	+120
12 Amp, Wall Mount	VP-12124	+200

-24 Vdc Linear

250 mA, -24Vdc	VP-324	+6
600 mA, Receptacle	VP-624B	+12
2 Amp, Wall Mount	VP-2024	+40
4 Amp, Wall Mount	VP-4024C	+80

Special Purpose

400 mA, -12Vdc	VP-412A	N/A
2 Amp, -48Vdc	VP-2048C	N/A

Battery Back-Up

Battery Power	VPB-260	N/A
Battery Charger	VP-6124-UPS	N/A
Battery Box w/Batteries	VBB-1424	N/A

All Filtered (Except VP-324)

SYSTEM ENHANCEMENTS

Music/Message-On-Hold

Message-On-Hold 8 Min.	V-9982	N/A
FM Tuner	V-2952	-5
Classical Strings CD's	V-9210	N/A
Classical Piano CD's	V-9211	N/A
Classical Bright & Lively CD's	V-9212	N/A
Premiere Jazz CD's	V-9230	N/A
Encore Jazz CD's	V-9231	N/A
Christmas CD's	V-9240	N/A
Hot Mix CD's	V-9250	N/A
Café Moods CD's	V-9251	N/A
Pop Grooves CD's	V-9252	N/A
Italian CD's	V-9260	N/A
Latino CD's	V-9261	N/A
Caribbean CD's	V-9265	N/A
7 Band Equalizer	V-9975	-3
Digital Sound Level Meter	V-9992	N/A

Feedback Elimination

Stacking Feedback Eliminator	V-9964	-6
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Microphones

Desk Paging Mic	V-400	0
CB Paging Mic	V-420	0
Gooseneck Mic	V-450	0
Remote Microphone	V-9934	0
Microphone Adapter	V-9939A	-1

Noise Sensing Volume Control

Noise Sensing Volume Control	V-9933A	-2
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Paging System Expansions

Page Port Preamp/Expander	V-1094A	-1
70 Volt Expander	V-1095	0

Ringers

Loud Warble Horn	V-9925A	-10
Loud Ringer Horn	V-9945A	N/A
Line Powered Horn	V-9947A	N/A
C.O. Audible Ringer	V-9924B	-6
6 Line Audible Ring Unit	V-9936A	-4
Electronic Multi-Tone Ringer	V-9943A	-1

Tone Generators

Multi-Tone Generator	V-9927A	-2
Code Call Unit	V-9923B	-2