

## INSTALLATION INSTRUCTIONS FOR ONE-WAY AMPLIFIED INTERIOR WALL SPEAKERS



V-1016-B, V-1016-W



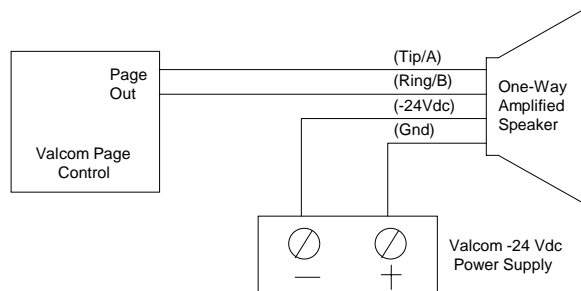
V-1022C, V-1024C, V-1026C



V-1023C, V-1025C, V-1027C

Valcom One-Way Amplified Interior Speakers, V-1016-W, V-1016-BK, V-1022C, V-1023C, V-1024C, V-1025C, V-1026C, V-1026C-W, V-1027C, are self-amplified and capable of reproducing paging as well as background music. These speakers have externally accessible volume controls that are screwdriver adjustable. The enclosures are vinyl laminated pressboard with either a coordinating cloth or woven can grille. All speakers require -24 Vdc, 50 mA (1 power unit) and are FCC Part 68 registered under BAFUSA-69358-KX-N.

### INSTALLATION



#### Typical Connections

**NOTE:** Do not connect this speaker directly to a 25/70/100 volt amplifier as damage to both the amplifier and speaker may occur. A V-1095 may be used to allow the use of Valcom self-amplified speakers on 70V speaker lines.

### Mounting

Ideal mounting heights are 8 to 12 ft. above the floor.

#### **V-1016-BK, V-1016-W, V-1022C, V-1023C:**

Remove the screw holding the mounting bracket to the speaker housing. Mount bracket using appropriate hardware such as #8 pan head screws. After making the required connections, reattach the speaker housing to the mounting bracket.

- **V-1016** – 9.7”H x 11.5”W x 4.0”D  
(24.6cm H x 29.2cm W x 10.16cm D)
- 4.1 lbs. (1.86kg)
- **V-1022C** – 9.6”H x 11.5”W x 4.2”D  
(24.4cm H x 29.2cm W x 10.7cm D)
- 4.5 lbs. (2.04kg)
- **V-1023C** – 9.6”H x 11.5”W x 4.2”D  
(24.4cm H x 29.2cm W x 10.7cm D)
- 4.1 lbs. (1.86kg)

**V-1024C, V-1025C:** After making required connections, use appropriate hardware such as an 8d finishing nail to hang the speaker housing in the corner.

- 10.5”H x 9.5”W x 6.3”D  
(26.7cm H x 24.1cm W x 16cm D)
- 3.6 lbs. (1.63kg)

**V-1026C, V-1026C-W, V-1027C:** Remove wing nuts holding mounting bracket to speaker housing. Remove bracket and mount using appropriate hardware such as #8 pan head screws. Reattach speaker housing to mounting bracket. Remove the 4 screws holding the reverse side grille to the speaker housing and remove the grille. After making required connections, reattach the grille to the speaker housing.

- 10.3”H x 10.3”W x 4.2”D  
(26.2cm H x 26.2cm W x 10.7cm D)
- 5.6 lbs. (2.54kg)

### COVERAGE

The area covered by a wall speaker is typically 600 square feet.

**Number of Speakers per Audio Run**

Wire Run (Ft.)	22 AWG	24 AWG
400	100	60
800	50	30
1600	25	15

**Number of Speakers per Power Run**

1 Watt Interior Speakers	22 AWG	24 AWG
30	200 ft.	125 ft.
15	400 ft.	250 ft.
7	800 ft.	500 ft.

### TECHNICAL ASSISTANCE

When trouble is reported, verify there are no broken connections. Assistance in troubleshooting is available from the factory. Call (540) 427-3900 and ask for Technical Support, or call (540) 427-6000 for Valcom 24-hour Automated Support or visit our website at <http://www.valcom.com>.

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

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

<b>TROUBLESHOOTING CHART</b>	
<b>SYMPTOM</b>	<b>ACTION</b>
1. No audio from speaker.	1a. Check that volume control is turned up (clockwise). 1b. Using a lineman's test set check for the proper audio level on the Tip and Ring leads, and if necessary also at the source.
2. Low volume from speaker.	2a. Check that volume control is turned up. 2b. Check voltage at the speaker assembly when in use, -18 to -24 Vdc required. 2c. Using a lineman's test set, check for the proper audio level on Tip and Ring leads. It is possible that some low level audio will be heard with only one side of Tip and Ring connected.
3. Loud squeal (feedback).	3a. Turn down (counter-clockwise) volume of the speaker. 3b. Increase the distance between the telephone and speaker. 3c. Install a noise canceling handset on the telephone in severe problem areas. 3d. Add a V-9962 Digital Feedback Eliminator.

### VALCOM LIMITED WARRANTY

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

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

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

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

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