

# TECHNICAL SPECIFICATIONS

## CORNER WALL MOUNTED ONE-WAY SPEAKER MODEL V-1024C

### FEATURES:

UTILIZES STANDARD CAT 3, 5, OR 6 CABLE  
EXCELLENT VOICE AND MUSIC REPRODUCTION  
EXTERNALLY ACCESSIBLE VOLUME CONTROL  
WIDE SOUND DISPERSION  
ELECTRICALLY, ACOUSTICALLY MATCHED PARTS  
ATTRACTIVE WALNUT FINISH



### DESCRIPTION:

Corner wall surface mounted speaker assembly complete with speaker, amplifier, built-in volume control, sloped baffle and mounting bracket.

### SPECIFICATIONS:

#### SPEAKER ELEMENT

Cone Diameter: 8.0" (20.32 cm)

#### FREQUENCY RESPONSE

80 Hz to 15 kHz

#### INPUT

**Impedance:**  $\geq 600$  Ohms nominal

**Signal Level:** -15 dBm line level

#### OUTPUT

**Rating:**  $\geq 96$  dB @ 4' (1.22 m)

**Signal/noise ratio:** -70 dB

#### POWER REQUIREMENTS

50 mA @ -24 Vdc

#### ENVIRONMENT

Temperature: -4 to +131 °F (-20 to +55 °C)

Humidity: 0-95% Non-Condensing

#### HOUSING AND FINISH

Baffle constructed of .5" (1.27 cm) particle board, covered with dark walnut vinyl with light brown open-weave grille cloth.

#### DIMENSIONS AND WEIGHT

10.5" (26.7 cm) H x 9.5" (24.1 cm) W x 6.3" (16.0cm) D

Weight: 3.6 lbs (1.63 kg)

## **ARCHITECTS' AND ENGINEERS' SPECIFICATIONS MODEL V-1024C CORNER WALL MOUNTED ONE-WAY SPEAKER**

The Corner Wall Speaker, Model V-1024C shall consist of a 45 ohm speaker, amplifier, volume control, and sloped baffle. The speaker, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The speaker element shall be cone type with 5 oz (142 g) ceramic magnet. Diameter of speaker cone shall be 8.0" (20.32 cm). Voice coil diameter shall be .75" (1.91 cm). Voice coil impedance shall be 45 ohm.

The amplifier shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1 watt RMS. Signal to noise ratio shall be -70 dB. The amplifier shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C).

A screwdriver adjustable volume control shall be provided on the unit. This volume control shall be externally accessible, making it possible to adjust volume level of speaker without removal of unit.

The baffle shall be constructed of .5" (1.27 cm) particle board covered with dark walnut vinyl with light brown open weave grille cloth.

Maximum dimensions of the housing shall be 10.5" (26.7 cm) H x 9.5" (24.1 cm) W x 6.3" (16.0 cm) D. Approximate weight is 3.6 lbs (1.63 kg).

### **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 in any way repaired by others and that factory sealed units are unopened.  
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs  
(major repairs will be subject to additional charges for parts and labor).

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

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