

## V-1095 70V PAGING EXPANDER

### INTRODUCTION

These instructions contain the specifications and information necessary to install, operate, and maintain the V-1095 70V Paging Expander.

### SPECIFICATIONS

#### Design

The Valcom V-1095 70V Paging Expander is used to expand 8 Ohm, 25V, 70V, or 100V systems into amplified speaker assemblies. The unit comes with its own surface mount box which provides 1/2" conduit access. The unit will accept input signal from a 8 Ohm, 25V, 70V, or 100V paging system and reduce it to a low impedance reduced level output.

#### Applications

- To expand existing 8 Ohm/25/70/100V paging systems without replacing the main amplifier. A V-1094A preamp expander may also be required depending on the number of speakers added.
- To provide master volume control convenience to all or a portion of a paging zone.

#### Dimensions/Weight

- 4.44"H x 2.75"W x 2.88"D  
(11.28cm H x 6.99cm W x 7.32cm D)
- 0.9 lbs. (.41 kg)

#### Nominal Specifications

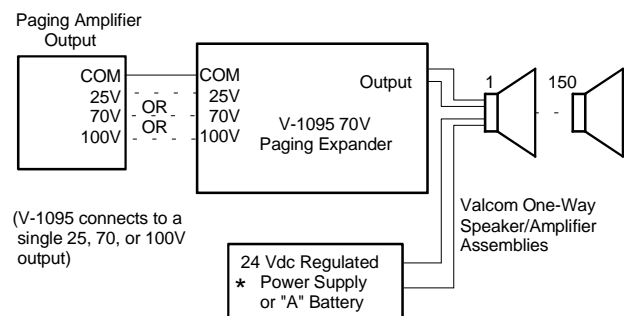
Input Impedance:	
100V	20 K Ohm
70V	10 K Ohm
25V	1.25 K Ohm
Output Impedance	8 Ohms
Frequency Response	50Hz to 20KHz $\pm$ 3dB



### INSTALLATION

These instructions cover only the installation of the Valcom V-1095. Consult the practices of other equipment if other equipment is being used.

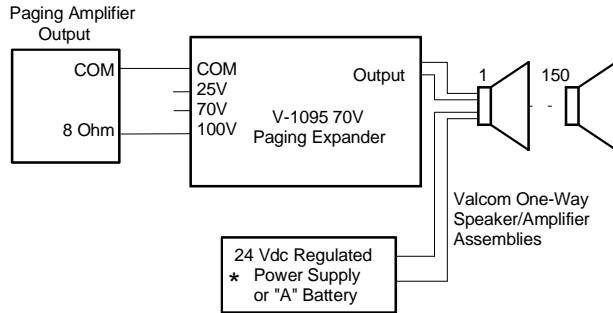
#### Audio and Power Connections Expanding a 25/70/100V Amplifier



\* The V-1095 does not require a power supply. The power supply is required for speaker/amplifier assemblies.

**Figure 1**

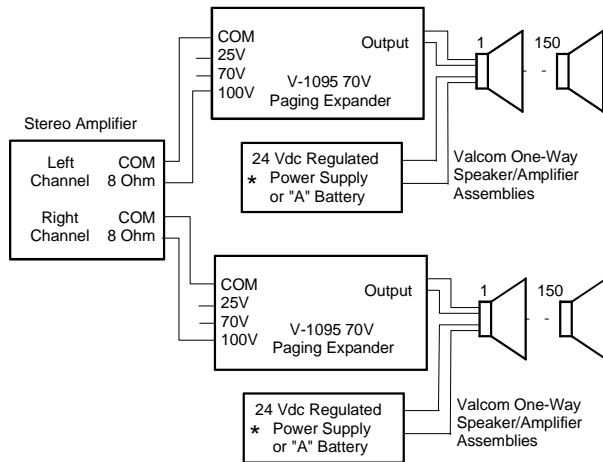
### Expanding an 8 Ohm Amplifier Output



\* The V-1095 does not require a power supply.  
The power supply is required for speaker/amplifier assemblies.

**Figure 2**

### Expanding an 8 Ohm Stereo Output



\* The V-1095 does not require a power supply.  
The power supply is required for speaker/amplifier assemblies.

**Figure 3**

Refer to the figures above for connections. Cabling "D" type station wire or other suitable pairs may be used for audio output connection.

### Connections

- a. Connect 25V, 70V, or 100V input leads to respective amplifier.
- b. Connect V-1095 output leads to speaker/amplifier assemblies or V-1094A.

### Mounting

**Surface Mounting** - Install romex connector and closure plugs in appropriate access holes on supplied single gang weather-resistant electrical box. Attach mounting lugs to the box with the two screws provided. Mount the box to suitable surface with appropriate hardware. Feed audio cable through access hole in installed surface mount electrical box. After making required cable connections, attach faceplate to box with screws provided.

**Flush Mounting** - Feed audio cable through access hole in an existing single gang electrical workbox. After making connections, attach faceplate to box using the screws provided.

### TECHNICAL ASSISTANCE

When trouble is reported, verify there are no broken connections leading to this unit. Assistance in troubleshooting is available from the factory. When calling, you should have a VOM available and be calling from the job site. 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 your company name, address, phone number, contact person, and the nature of the problem. Send the unit to:

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

TROUBLESHOOTING CHART			
PROBLEM	POSSIBLE CAUSES	VERIFICATION	POSSIBLE SOLUTION
No audio output to added speaker	Open input path	Monitor audio at input terminals with lineman's test set. No audio input.	Check cabling and cross-connections.
	Open output path	Monitor audio at output terminals with lineman's test set. No audio output.	Check cabling and cross-connections.

### 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. 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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