

## S-750 8 Watt Co-Axial Ceiling Speaker

### INTRODUCTION

The S-570 is a co-axial speaker/transformer/baffle assembly for use with any Clarity Mixer-Amplifier. This 8" ceiling speaker assembly is for use in interior areas only.

These instructions contain the specifications and information necessary to install, operate, and maintain the co-axial ceiling speaker.

### SPECIFICATIONS

#### Applications

- Clarity Paging Systems
- Clarity Background Music Systems
- Existing 25 or 70V Paging Systems

#### Features

- Combination 25/70V Transformer
- White epoxy paint ceiling grille

#### Transformer Tap Color Code

<u>25 Volt Line</u>		<u>70.7 Volt Line</u>	
<u>Color</u>	<u>Designation</u>	<u>Color</u>	<u>Designation</u>
BLK	Common	BLK	Common
BRN	8W	YEL	8.0W
RED	4.0W	GRN	4.0W
ORN	2.0W	BLU	2.0W
YEL	1.0W	VIO	1.0W
GRN	0.5W	GRY	0.5W
BLU	0.25W	WHT	0.25W

#### Dimensions

13" Dia. x 3" D (33.02 cm X 7.62 cm)\*

\*All dimensions are approximate.



#### Technical Specifications

Frequency Response	60 to 17K
Max. Power Capability	8 Watts
SPL @ 4 ft. w/ 1 watt input	98 dB
Transformer Taps (Watts)	5/16, 5/8, 1-1/4, 2-1/2 and 5
Line Voltage	25 or 70V
Magnet Woofer	10 oz
Magnet Tweeter	3.0 oz

#### Environment

Temperature	0 to 50 Degrees C
Humidity	0 to 85% non-precipitating

#### Coverage

The area covered by a ceiling speaker is determined by the height of the ceiling. If the ceiling height is 8', the speaker will cover 250 sq. ft. With a ceiling height of 9 to 15 feet, the speaker will cover 400 sq. ft. If the ceiling is 16 to 35 feet high, the speaker will cover 850 sq. ft.

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## MOUNTING

Cut an 8.5" dia. hole in ceiling tile. After connections have been made to the speaker, attach speaker to ceiling tile using the mounting hardware provided.

NOTE: Where extra speaker support is needed, an S-550 Clarity Bridge should be used.

## CONNECTIONS

Connect the black (common) lead of the transformer to the 25 or 70 volt common amplifier output terminal. Select the appropriate wattage tap lead of the transformer and connect to the amplifier output terminal.

## TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM available and be calling from the job site. Call 1-540-427-3505 and ask for an Applications Engineer.

CLARITY equipment is not field repairable. CLARITY maintains service facilities in Roanoke, VA. Should repairs be necessary, please call Clarity at 1-540-427-3505 for a Return Authorization Number.

### **LIMITED WARRANTY**

Clarity 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 Clarity 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 Clarity are prepaid,
5. All units but 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 Clarity 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.