

## S-504 INSTALLATION INSTRUCTIONS

### INTRODUCTION

The interior wall speaker, the S-504, is a speaker/transformer/baffle assembly for use with any Clarity Mixer-Amplifiers. The enclosure is made of steel with a durable powder coated finish. The color of the enclosure can easily be changed to match any décor. A cloth covered detachable grille is included with the S-504 wall speaker. The unit contains an 8" full range speakers.



S-504  
Wall Mount Speaker  
Gray W/ Black Grille

### MOUNTING

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

### DIMENSIONS/WEIGHT

- 10.13" H x 12.31" W x 4.63" D  
(25.73cm x 31.27cm W x 11.75cm D)
- Weight: 4.25 LBS (1.91 kg)

### Transformer Tap Color Code

25 Volt Line		70.7 Volt Line	
Color	Designation	Color	Designation
BLK	Common	BLK	Common
BRN	5W	GRN	5W
RED	2.5W	WHT	2.5W
ORN	1.25W	BLU	1.25W
GRN	0.625W	GRY	0.625W
WHT	0.312W	VIO	0.312W

### Technical Specifications

Frequency Response: 65 to 17K  
Maximum Power Capability: 5 Watts  
SPL @ 4 Feet with 1 Watt Input: 98dB  
Transformer Taps (Watts): 5/16, 5/8, 1-1/4,  
2-1/2 and 5  
Line Voltage: 25 or 70V

### Environment

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

### Coverage

These wall speakers will cover an area up to 600 square feet. Wall speakers should be spaced 20 feet apart, with good quality paging being heard up to 30 feet in front of the speaker.

### TECHNICAL ASSISTANCE

When trouble is reported, verify the unit is turned on and 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) 563-2000 and ask for Technical Support or visit our website at <http://www/clarity-com.com>.

CLARITY 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 the nature of the problem. Send the unit to:

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

#### **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 "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 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.