



(540) 427-3505

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## S-615 AND S-650 PAGING HORNS

### INTRODUCTION

The S-615, and S-650 are Paging Horns for use with any Clarity Mixer-Amplifier. The S-615 (15 watts) is a combination 25/70V paging horn. The horns can be used for interior or exterior paging applications. The S-650 is a combination 25/70V, 30 watt Bi-Axial paging horn.

These instructions contain the specifications and information necessary to install, operate, and maintain the horns.

### SPECIFICATIONS

#### Applications

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

#### Features

- Combination 25/70V transformer
- Weatherproof
- All metal construction (S-615); S-650 Projector structural foam and driver is all metal construction
- Grey baked epoxy finish
- Fully adjustable 360 degrees horizontal and 160 degrees vertical
- Rotary switch for tap selection

#### Environment

Temperature: 0-50 Degrees C  
 Humidity: 0-85%

#### Horn Taps

S-615, 25/70V		Switch Setting	
		25V	70V
15	Watts	7	5
7.5	Watts	6	4
3.8	Watts	--	3
1.8	Watts	5	2
.9	Watts	4	1
.48	Watts	3	--

S-650, 25/70V		Switch Setting	
		25V	70V
30	Watts	--	5
15	Watts	7	4
7.5	Watts	6	3
3.7	Watts	5	2
1.8	Watts	4	1

#### Specifications

Frequency Response and Maximum Power

#### Handling Capability

S-615	275-14K 15 Watts
S-650	120-14K 30 Watts

#### SPL @ 4FT at Rated Output

S-615	121dB
S-650	127dB

Line Voltage 25/70V

#### Cabling

When using the S-615 or the S-650, two conductor shielded cable is recommended for horn connections. NOTE: When shielded cable is used, the shield should be connected to the Ground terminal located on the back of the amplifier.

#### TECHNICAL ASSISTANCE

When trouble is reported, verify there are no broken connections leading to the 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 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.

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### 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.