

## PAGING HORNS SX15-T, SX15-TM, SX30-T, SX30-TM



**SX15-T**



**SX15-TM**



**SX30-T**



**SX30-TM**

### INTRODUCTION

The SX15-T, SX15-TM, SX30-T, SX30-TM are Paging Horns for use with any Clarity Mixer-Amplifier.

The SX15-T is a 15 Watt horn. The SX-30-T is a 30 Watt horn. The SX15-TM and SX30-TM are 15 Watt and 30 Watt horns designed for nautical use. Each includes an integral 25V70V/100V line matching transformer. These horns can be used for interior or exterior paging applications.

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

### SPECIFICATIONS

#### Product Description

- SX15-T 25/70/100V 15 Watt Paging Horn
- SX15-TM 25/70/100V 15 Watt Paging Horn (Marine Version - Sealed)
- SX30-T 25/70/100V 30 Watt Paging Horn
- SX30-TM 25/70/100V 30 Watt Paging Horn (Marine Version – Sealed)

#### Applications

- Clarity Paging Systems
- Existing 25, 70 or 100 Volt Paging Systems

#### Environment

- Temperature: 0 to +50° C
- Humidity: 0 to 85%

### Features

- Combination 25/70/100V transformer (SX15-T, SX30-T, SX15-TM, SX30-TM)
- Weather resistant construction
- High impact plastic housing in beige, gray (-GY) or white (M) housing
- Marine version - no fade, white sealed housing
- Fully adjustable 360 degrees horizontal and 90 degrees vertical
- Rotary switch for tap selection
- Stainless steel hardware
- Beam mount clamp or electrical backbox mounting

### Horn Taps for the SX15-T, SX15-TM

15 Watts, 25/70/100 Volts

			Switch Setting		
<u>100V</u>	<u>70V</u>	<u>25V</u>	<u>Set</u>	<u>Ohms</u>	
1.9	-	-	1	5333	
3.8	1.9	-	2	2667	
7.5	3.8	-	3	1333	
15	7.5	-	4	667	
-	15	1.9	5	333	
-	-	3.8	6	167	
-	-	7.5	7	83	
-	-	15	8	42	

## Horn Taps for the SX30-T, SX30-TM

30 Watts, 25/70/100 Volts

		Switch Setting			
<u>100V</u>	<u>70V</u>	<u>25V</u>	<u>Set</u>	<u>Ohms</u>	
1.9	-	-	1	5333	
3.8	1.9	-	2	2667	
7.5	3.8	-	3	1333	
15	7.5	-	4	667	
30	15	1.9	5	333	
-	30	3.8	6	167	
-	-	7.5	7	83	
-	-	15	8	42	
-	-	30	9	21	

## Specifications

Frequency Response and Maximum Power Handling Capability

SX15-T	300 - 10K	15 Watts
SX15-TM	300 - 10K	15 Watts
SX30-T	300 - 10K	30 Watts
SX30-TM	300 - 10K	30 Watts

Line Voltage

- 25/70/100V

## INSTALLATION

### Cabling

Standard two conductor shielded cable (18-20AWG) can be used for connections.

### Connections

Connect suitable wire to leads as follows:

Amplifier Output: 25V/70V/100V..... White  
Common .....Black

## Attaching Speaker to Base

**NOTE:** For ease of installation, the base can be attached to the speaker before or after the base is mounted.

- Loosen position adjustment knob.
- Insert the ball of the base into the socket of the speaker.
- Tighten the position adjustment knob.

## Mounting/Positioning

Mount the horn to a suitable surface using the hardware provided. These units can be mounted to a wall, a beam or an electrical box.

- Mount the base to a wall using the two holes provided. Knockout holes are provided for punch out should additional holes be required.
- A "C" clamp is provided with the horns to allow mounting to a beam. Place the bolt through the hole in the bottom of the base to secure the "C" clamp to the beam (See Figure 1).
- Connection to an electrical backbox is accomplished by channeling wire through the ball of the base (See Figure 2) and making appropriate connections. The base has holes punched for a double-gang square box, but by punching out additional knockout holes, the base can be mounted to a single-gang or octagon box.

The horns may be rotated or moved up and down to obtain the desired position by loosening the knob at the bottom of the unit, approximately 1 turn. Make required adjustments and re-tighten knob

## 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 call from the job site. Call (540) 767-1550 and press 1 for Technical Support or visit our website at <http://www.clarity-com.com>

Clarity equipment is not field repairable. Clarity 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:

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

### CLARITY LIMITED WARRANTY

Clarity warrants its products only to the original purchaser, for its own use, 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. This Limited Warranty obligation 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 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. 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 Limited 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, maintenance, installation, removal or use of the product. The maximum liability of Clarity under this warranty is limited to the purchase price of the specific Product covered by the warranty.**

**Disclaimer.** Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

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.

Headquarters:  
Clarity  
5614 Hollins Road Roanoke, VA 24019-5056  
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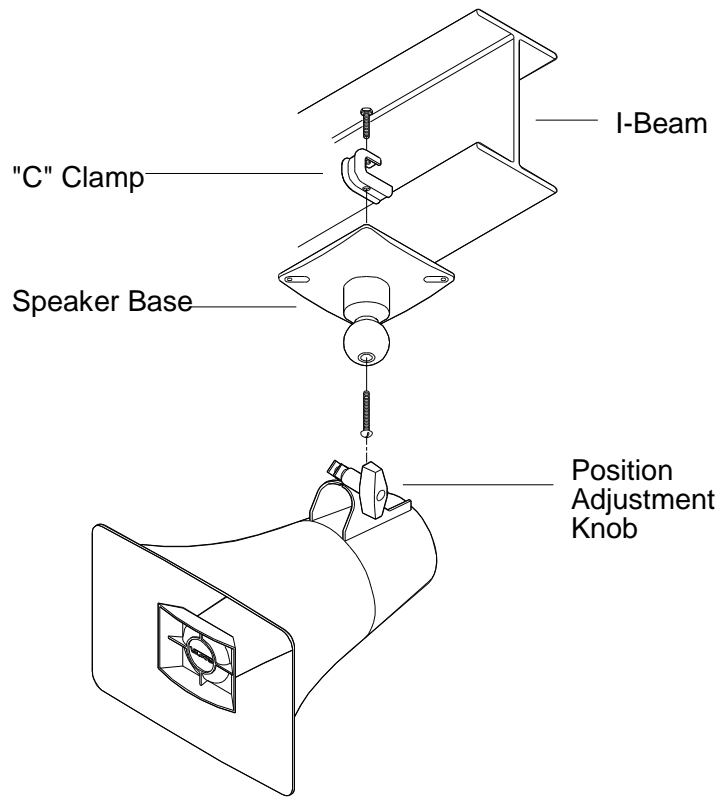


Figure 1 - Mounting to a Beam with a "C" Clamp

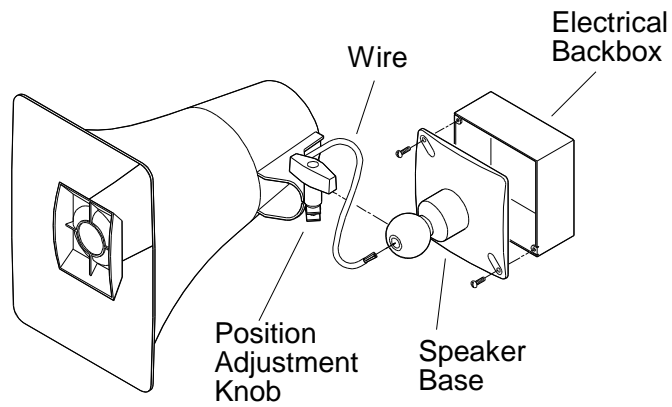


Figure 2 - Mounting to an Electrical Backbox