

# **Sound Acoustics**

Premium Residential & Commercial Audio/Video Products

SA-C16 & SA-C32

25/70V/8 Ohm  
Commercial Paging Horns

Owner's Manual

Thank you for purchasing Sound Acoustics commercial paging horns. All Sound Acoustics products are designed and engineered to the highest possible standards and provide professional installers with many unique features. Please read this manual to get the most from your Sound Acoustics products.

### **Introduction**

The SA-C16 and SA-C32 are ultra high efficiency paging horns designed to stand up to the toughest environments. Their wide angle sound projector provides even sound dispersion over large areas, while placing a minimal load on the connected amplifier. The SA-C16 and SA-C32 include sturdy mounting brackets that allow for precise horizontal and vertical speaker positioning. The integrated 25/70 transformers with 8 ohm bypass allows for connection to most commercial grade amplifiers.

### **Operating & Installation Instructions:**

Use 2 conductor 18 awg unshielded copper stranded speaker wire to run from the amplifier to the horn speaker and between horn speakers.

#### **SA-C16:**

Black wire: Common (- negative)

Red wire: Positive (**25/70V operation only**).

Green wire: Positive (**connect only to 8 ohm amplifiers**).

Adjust the wattage tap dial to the desired position.

**CAUTION:** Never connect the C16 to a 25/70V amplifier while using the 8 ohm (green) connection. This will destroy the voice coil and void the warranty.

#### **SA-C32:**

Remove the plastic protective cover and loosen the two terminal screws with a Phillips screwdriver.

- terminal (negative/common)

+ terminal (positive)

Tighten the screws while holding the wires in place.

Set the slide switch to 25/70V operation (left) or 8 ohm (right)

**CAUTION:** Never connect the C32 to a 25/70V amplifier while using the 8 ohm (right) position. This will destroy the voice coil and void the warranty.

For 25/70V operation see the wattage tap legend on the top of the SA-C32 and choose the appropriate tap setting (1-7) using a slotted screwdriver.

Re-attach the plastic protective cover with the wires exiting the bottom.

**NOTE:** It is recommended to seal the plastic protective cover with silicon if the SA-C32 will be used outdoors. This will prevent corrosion and extend the life of the horn.

### **Mounting:**

The SA-C16 and SA-C32 can be mounted practically anywhere and include swivel mounts for easy horizontal and vertical positioning.

When mounting to a solid wood surface use heavy duty screws to screw the base to the wood.

Loosen the rotating angle bracket and position the horn speaker for optimum area coverage.

Tighten the angle bracket.

When mounting to posts or beams, we recommend using the optional SA-MOUNT which allows the SA-C16 and SA-C32 to be mounted quickly without drilling.

**Contact Information**

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**Warranty**

Sound Acoustics products are warranted to be free from defects in workmanship and materials for a period of one (1) year without charge for parts or labour. The warranty applies only to the original owner. The owner's responsibilities are to provide proof of purchase and transportation to the dealer the unit was purchased from or transportation to the Sound Acoustics factory. This warranty does not apply to units which have been subject to misuse, abuse, neglect or improper installation, and does not apply to repairs or alterations by unauthorized personnel. This warranty specifically excludes responsibility for consequential damage.

Retention of your dated ORIGINAL BILL OF SALE is required to obtain service under the terms of the warranty.