



SC-100 Basic 2-Way Window/Partition Intercom System

SC-100 Rear View



The Basic Voice Communication System for High-Security and Isolation Booth Situations

Today's security and isolation booths and ticket booths are often the best step you can take to protect your employees. But do they protect and also help maintain your very important good will? Not if clerks and customers have to shout and growl and repeat themselves to be heard or understood.

The Alpha Communications® / Haven **SC-100** unit is a 2-way, hands-free audio system that provides high-quality personal communication between people separated by security or isolation barriers. It is a widely used system in the U.S., and around the world.

How It Works...

The Alpha Communications® / Haven **SC-100** system permits hands-free, 2-way communication between the booth attendant and the customer. Vox circuitry facilitates ongoing, clear, 2-way conversation at all times - as if the two parties were together in the same room.

The **SC-100** provides clear communication even in environments with high ambient noise by shaping the sound for maximum intelligibility. Its compression circuitry decreases loud, annoying sounds.

How To Install...

Installation of the **SC-100** is a very simple, one-person operation. All that's needed is a 3.25 to 3.50 inch round cutout in the barrier. Four fasteners and two rubber gaskets needed for mounting are supplied. Please specify barrier thickness when ordering. **If you have a 4.00 inch diameter opening, please order the model# AP-4 adapter plate. For 5 inch diameter opening, please order the model# AP-5 adapter plate.**

The front face and housing are easily mounted on opposite sides of the barrier using the fasteners supplied. The rubber gaskets prevent slippage and protect the barrier surface. The electronic section is then inserted into the housing and fastened in place.

Note choice of continuous-duty, 120-Volt AC power supply stepped down to 18 Volts (**SC-100** series), or rechargeable lithium ion battery operation (**SC-100L** series).

Features

- Clear, 2-way hands-free voice communication
- Avoids shouting, repetition, misunderstanding

Mechanical Specifications

| | |
|----------------------------------|--|
| Outside Face Plate: | Solid aluminum, anodized finish, tamper-resistant |
| Control Housing (Inside): | Machined aluminum, anodized finish, tamper-resistant |
| Dimensions: | Outside face plate - 4.00" dia x 0.50"D Inside control housing - 4.00" diameter x 3.50"D Microphone and gooseneck 18 in. |
| Weight: | 4.50 lbs. (model# SC-100) |
| Mounting: | Partition hole 3.25 to 3.50 inch diameter (3.50" recommended) <u>Please specify barrier thickness when ordering</u> |
| Panel Controls: | Listen volume, talk, volume, on-off switch, charger socket (on battery unit), Power On LED |

Electrical Specifications (Booth Unit)

| | |
|---------------------------------------|--|
| Audio Frequency Response: | Selectively shaped for maximum voice intelligibility |
| Audio Power: | 2 watts per amplifier |
| Distortion: | Less than 0.2% |
| Listen Mode: | 20 dB compression |
| Talk Mode: | Vox |
| Microphones: | Electret (inside gooseneck mic. is 18.0" long). Optional 8.0" or 24.0" models avail., at extra cost. Please specify when ordering! |
| Power Supply: | Input: 120 VAC, 60 Hz, Output: 18 VDC, 175mA |
| Useful time (on battery unit): | 10 to 12 hours per charge |
| Charge time (battery unit): | 5 hours for full charge. Unit can be used while charging |

4 Available Models

- Rugged Aluminum Construction
- Background noise level monitoring
- Quality electronic design and engineering
- Simple, one-person installation
- Self-powered with rechargeable battery option (**SC-100L** models)
- Fast plug-in recharge
- Bullet-resistant option.*
- Export (220VAC) option available
- Sound amplifier does not exceed a 0.2% total harmonic distortion rating
- Made in U.S.A.

Architects' And Engineers' Specifications

The Ticket Window Intercoms(s) shall be Alpha Communications® / Haven **SC-100** series or equivalent.

The Ticket Window Intercom(s) shall be made of heavy-duty Aluminum and shall be designed to mount directly into a 3.25" to 3.50" diameter window partition opening (or larger opening with associated adapter plate/ring).

Unit(s) shall feature a built-in gooseneck microphone (at operator side), as well as controls for Listen volume, talk, volume, on-off switch, charger socket (on battery unit) and Power On LED.

Contractor shall observe all local and national electrical and building codes.

1. **SC-100** Complete for continuous-duty operation. 117 VAC power supply stepped down to filtered 18 Volts. Plug-in Power supply is included for 120VAC operation. **For 220VAC primary power, please add the model# 220V-OPTION when placing your order.**
2. **SC-100L** Same as **SC-100** but with Lithium-Ion rechargeable battery pack.
3. **SC-100H** Same as **SC-100** but with jack for wired headset or wireless headset options available
4. **SC-100HL** Same as **SC-100H** but with Lithium-Ion rechargeable battery pack.

All **SC-100** series units are shipped complete with mounting hardware, instructions, and power supply (AC operated unit), or charger (battery operated unit).

***NOTE: For (Level 2) Bullet-Resistant capability, add the model# BR2 insert unit. For (Level 3) Bullet-Resistant capability, add the model# BR3 insert unit.**

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