

LENCORE

COMFORT. PRIVACY. PRODUCTIVITY.



OPERATIONS MANUAL

Silver (Model AG47)

Document Number: 200-0019 Rev A

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1. IMPORTANT SAFETY INSTRUCTIONS



**RISK OF ELECTRIC SHOCK- DO NOT OPEN THE UNIT.
THERE ARE NO SERVICABLE COMPONENTS INSIDE.**

- Read these instructions.
- Keep these instructions. Instructions are to be framed and placed adjacent to the control unit for ready reference.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and do not expose to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus



2. Safety Symbol and Message Conventions

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety hazards.



WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.



CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- The socket-outlet shall be installed near the equipment and the plug (disconnecting device) shall be easily accessible.
- The apparatus shall be connected to a mains socket outlet with a protective earthing connection.
- The mains plug or appliance coupler shall remain readily operable.

3. Battery Cautions



WARNING

- The remote control supplied with this product contains a coin / button cell battery. If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death
- Do not ingest battery, Chemical Burn Hazard
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

4. Function

Lencore Silver provides sound masking for small facilities. This single, 1.5 RU rack mounted solution replaces the bulky headend equipment previously associated with sound masking systems and incorporates four (4) speaker channels that can be controlled with a remote control or wall plate (sold separately). This system is out-of-the-box ready to be installed, powered up and connected to a variety of speaker types using standard category cable.

5. Features and Capabilities

- Multiple, random sound masking sources that produce a high quality, exceptionally comfortable sound to create speech privacy
- A single device for operation and maintenance
- Four independent speaker channels (Eight speakers per channel for a total of 32 speakers)
- Remote control for volume and contour adjustments
- Optional wall plate controller available (sold separately)
- Works with any Lencore networked speaker (sold separately)
- Expandable to the i.Net Enterprise solution
- MPI (G1505) available for paging and music functions (sold separately)
- Head-end (G8350) available for networked control (sold separately)

6. Installation

Silver is designed to be mounted into a standard 19-inch rack. The unit includes two rack ears for mounting. Mount the unit into the equipment rack using two screws supplied with your rack for each rack ear. Keep one rack unit clearance above the unit for cooling. Then plug the unit into a standard power receptacle using the power cord supplied with the unit.

7. Nomenclature and Functions

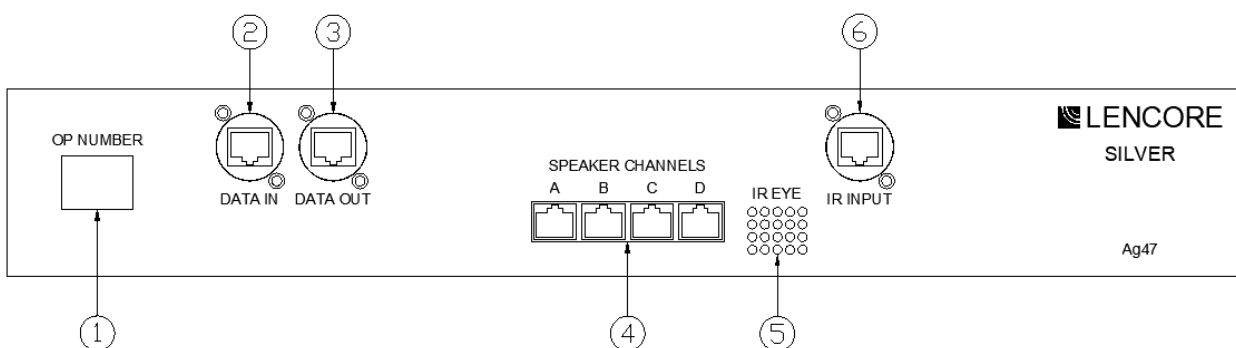


Figure 1 Front view

1. OP number window
Displays the assigned OP number.
2. Data In (RJ45)
Connect an MPI (music page interface) or the previous Silver unit if required.
3. Data Out (RJ45)
The Data out connector would connect to another Silver unit if required.
4. Speaker Channels (RJ45)
Connect Lencore speakers to the Speaker Channels.
5. IR Eye
Point the hand-held IR remote at the IR Eye to make adjustments as required.
6. IR Input (RJ45)
The IR input can be used to connect an optional IR wall plate.



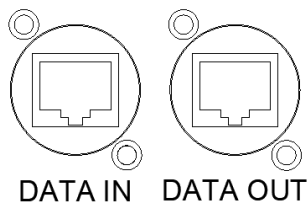
Figure 2Rear View

1. Audio Com
Connect a 16AWG wire from an external device such as an MPI or OP.
2. Power connector
Power connector for supplied cord.

8. Connections

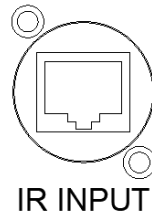
1. Data In/Out Connections (optional).

Using a cat5e cable with RJ45 connectors, wire the Data in cable to the previous OP or MPI Data out connector. Wire the Data Out cable to the next OP's Data In connector. If using a headend (G8350), on the last OP only, connect a data terminator to the OP's data out port. The cable wiring must follow 568B.



2. IR Input (optional).

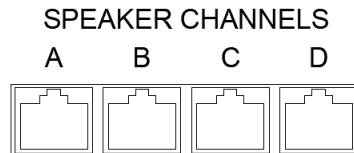
Connect an external IR wall plate to this input with a cat5e cable with RJ45 connectors. The cable wiring for the IR Input must follow 568B.



3. Speaker Channel Connections.

Connect only Lencore speakers to the speaker channel connectors using cat5e cable with RJ45 connectors. The wiring for the speaker cable must follow 568B.

Note: Refer to the specific speaker type data sheet for the number of speakers allowed on each speaker channel and for speaker mounting requirements.



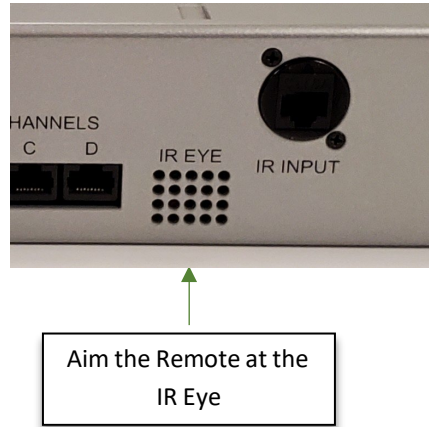
4. Audio Com (optional).

Connect a 16AWG wire from an external device's audio common connector.



9. Usage

Once plugged into a wall outlet, the unit will power-up and the display will show a 20 second countdown. At the end of the countdown, the display will show the OP number and the sound masking will begin. The sound masking levels and contour are easily adjusted using the included handheld remote. Point the remote at the IR Eye on the front of the unit to make adjustments.



Hand-held Remote

Included with the Silver System is a hand-held remote control that enables the end user to make volume and contour adjustments to the sound masking. Point the remote directly at the REMOTE IR window on the front panel of the unit to make your changes.

Masking Volume

Press the “A” button. Next Use + and – on the Masking buttons to adjust the volume level for Channel A. Adjust each channel as required. Alternatively, use the ALL Button to adjust the volume for all four channels simultaneously. The ALL Button method would be applicable for example in a large open area where the space is uniform and can have the same sound masking personality.

Masking Contour

Press the “A” button. Next Use W and P on the Contour buttons to adjust the sound masking curve for Channel A that best suits your environment.

Pressing the “W” increases the level of White Noise. White noise interferes with speech frequencies and is required to attain speech privacy and must always be present. Pressing the “P” moves the balance towards the Pink Noise, a warmer tone. Adjust each channel as required. Alternatively, just like the masking volume use the ALL Button to adjust the contour for all four channels simultaneously.

10. Optional Equipment

The addition of Lencore’s Head-End G8350 can be used to add networked functionality. The Head-End includes System Manager software for additional functions and control.

The Silver unit can be used for background music and paging with the addition of an MPI (Music Page Interface) model G1505.

Additional Silver units can be added when additional speakers are needed to cover a larger area.

A wall-mountable IR keypad can be added to allow adjustments of volume levels from the keypad for sound masking, music, and paging from any office. The IR keypad also includes an IR receiver for the hand-held remote control.

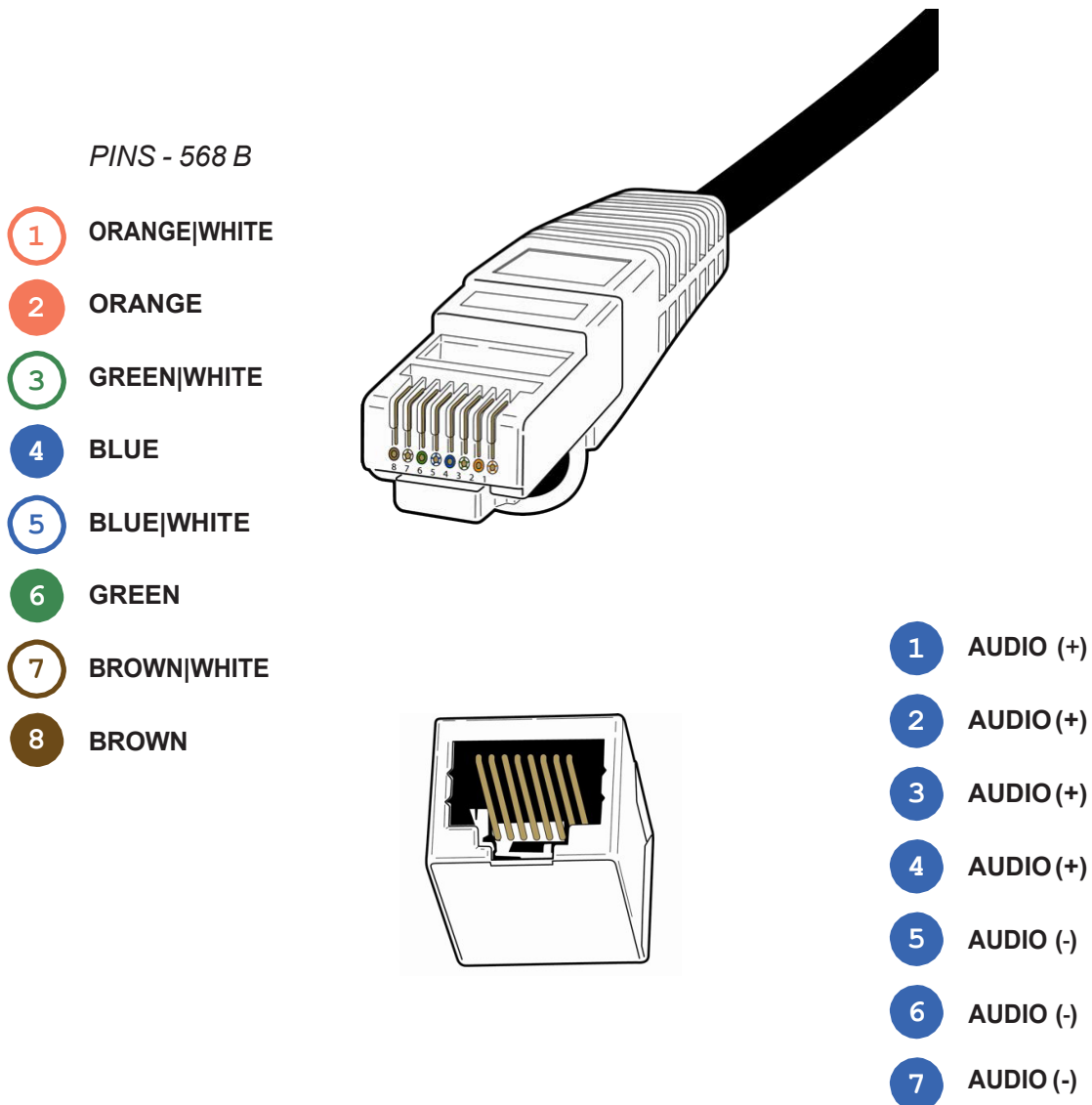
A wall-mountable IR receiver is available to allow control with the hand-held IR remote from any office.

Contact Lencore for more information or visit us at www.Lencore.com.

11. Wiring Speaker Cable

Speaker Cable (RJ45) 568B

Speaker Cable connections are from the Speaker Channels to each speaker. The pin-out on the RJ45 is 568B. The RJ45 connectors for the SPEAKER cables are non-shielded.



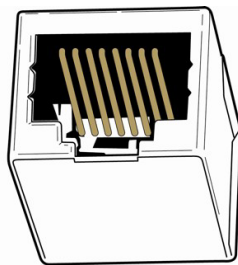
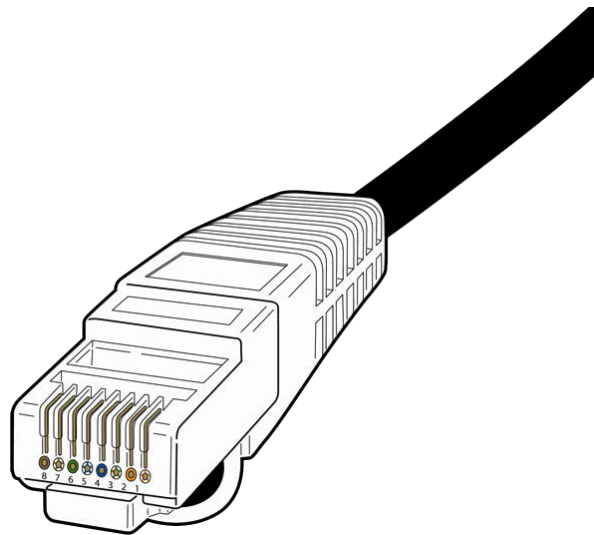
12. Wiring Data Cable (optional)

Data Cable (RJ45) 568B

Data cable connections are from the head-end or MPI to the Silver unit. The pin-out on the RJ45 is 568B. The RJ45 connectors for the Data cables are non-shielded.

PINS - 568 B

- 1 ORANGE|WHITE
- 2 ORANGE
- 3 GREEN|WHITE
- 4 BLUE
- 5 BLUE|WHITE
- 6 GREEN
- 7 BROWN|WHITE
- 8 BROWN



- 1 LON A
- 2 LON B
- 3 N.C.
- 4 PAGE (+)
- 5 PAGE (-)
- 6 N.C.
- 7 MUSIC (+)
- 8 MUSIC (-)

Revision Level	Revision Date	Description of Revision	Revision Author
A	5/29/24	Initial Release	M. Cook

For technical support, please email support@lencore.com

Lencore Acoustics LLC
516-682-9292
info@lencore.com
www.lencore.com

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