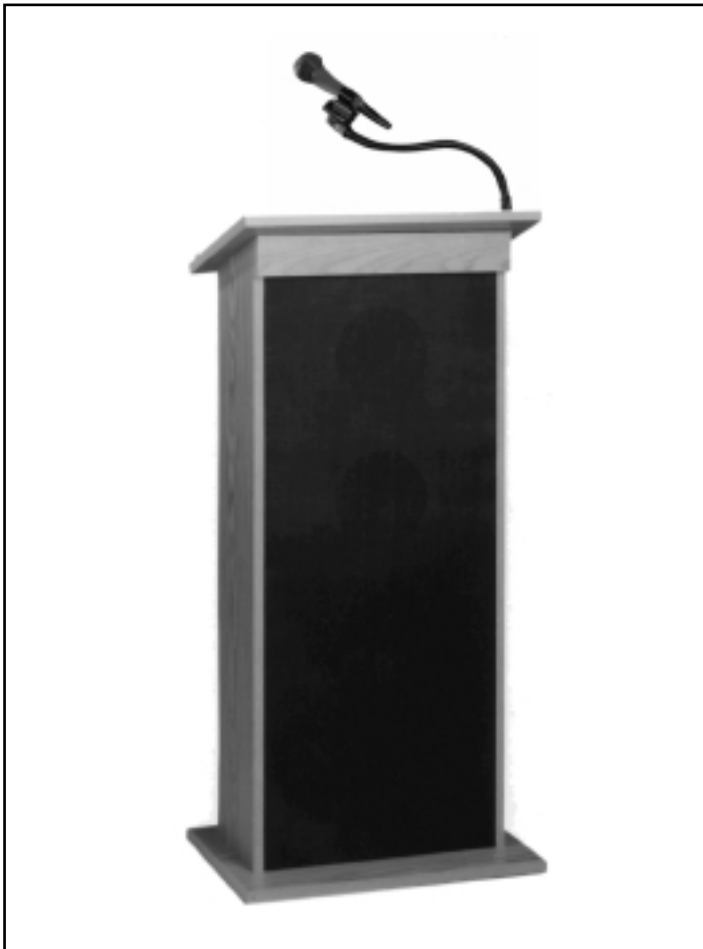


# Installation Manual and Operating Instructions



Specifications are subject to change without notice

**CAUTION !**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT  
EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

**SOUND POWERED LECTERNS - ACCESSORIES**

**SL 371**

*Innovation through technology since 1931*

**SL 371**

## DESCRIPTION AND APPLICATIONS

- Unidirectional Dynamic Microphone
- Powerful Sound Column Speaker System
- Built-In Speech Filter Equalizer
- Volume and Tone Controls
- Output for Tape Recording Device
- Auxiliary/Line Input
- External Speaker Output
- DC Operation with Optional Battery

## UNPACKING

Immediately upon receipt of the lectern, inspect the unit and shipping container for indications of improper handling or in transit damage. The equipment was carefully inspected and tested before leaving the factory. Notify the Transportation Company immediately if any damage is found. **ONLY THE CONSIGNEE CAN FILE A CLAIM WITH THE CARRIER FOR DAMAGE DURING SHIPMENT.** Be sure to save the carton and packing material as evidence of damage for the shipper inspection. **DO NOT SHIP** the unit back to the factory unless authorized by the factory.

IN TRANSIT DAMAGES ARE NOT COVERED BY THE PASO WARRANTY.

## SPECIFICATIONS

<b>Power Output:</b>	40 Watt RMS
<b>Microphone:</b>	Microphone: Unidirectional Dynamic with Switch
<b>Microphone Holder:</b>	Anti-shock Holder with Gooseneck Support
<b>Speaker System:</b>	Sound Column with 4 Heavy Duty 8" (200mm) Dual Cone Speakers
<b>Sound Dispersion:</b>	120° Horizontal, 30° Vertical
<b>Inputs:</b>	2 Microphone, 1 Auxiliary w/Switch
<b>Outputs:</b>	Tape/Line Out, External Speaker
<b>Controls:</b>	Microphone Volume, Mic-Aux Switch, Speech Filter, Tone Control
<b>Supply:</b>	117 V AC or 12 V DC with optional Battery. (230 V 50-60 Hz model upon request)
<b>Power Consumption:</b>	AC 90 VA, DC 40 W

### CABINERY

<b>Material:</b>	High Density Wood Compound
<b>Finish:</b>	Formica Laminate
<b>Front Grill:</b>	Molded with Acoustic Cloth
<b>Dimensions:</b>	45" H., 21" W., 14.5" D. (115 X 54 X 37 cm)
<b>Net Weight:</b>	67 Lbs (30.5 Kg)

### SHIPPING

#### INFORMATION

#### Shipping Weight:

<b>Carton 1:</b>	67 Lbs (30.5 Kg)
<b>Carton 2:</b>	40 Lbs (19 Kg)

#### Carton Dimensions:

<b>Carton 1:</b>	Carton 1: 47" X 14" X 23" (120 X 36 X 59 cm)
<b>Carton 2:</b>	Carton 2: 25" X 19" X 6½" (63.5 X 49 X 15 cm)

#### Carton Volume:

<b>Carton 1:</b>	8.83³ Ft. (0.26³ m)
<b>Carton 2:</b>	1.7³ Ft. (0.47³ m)

## ACCESSORIES

**M921M** - Auxiliary Unidirectional Dynamic Microphone. Complete with 15 ft. (5 m) Cable and XLR male connector.

**CV24** - 30 ft (10 m) Microphone Extension Cable with connectors.

**27/12** - 12 Volt Sealed rechargeable Battery. Mounts inside lectern compartment. Battery is recharged when lectern is operating. Lectern will operate 5-6 Hours with each charge.

**IMPORTANT SAFETY INSTRUCTIONS****READ BEFORE OPERATING**

*BEFORE OPERATING THE LECTERN, BE SURE YOU FULLY UNDERSTAND ALL INSTRUCTIONS AND FEATURES OF THE UNIT.*

- 1) **Read these instructions carefully.**
- 2) **Keep these instructions.**
- 3) **Heed all Warnings.**
- 4) **Follow all instructions.**
- 5) **DO NOT** use this apparatus near water.
- 6) Clean **ONLY** with a damp cloth.
- 7) **DO NOT** block any of the ventilation openings. Install in accordance with the instructions provided.
- 8) **DO NOT** install near any heat sources such as radiators, stoves, or other apparatus that produce heat.
- 9) **DO NOT** mount lectern into a container or a closed unventilated closet while operating.
- 10) **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 and or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

**READ BEFORE OPERATING**

- 11) Use only the attachments and accessories specified in this manual.
- 12) If a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lighting storms or when unused for long periods of time.
- 14) 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.
- 15) **DO NOT** replace fuses unless power cord is removed from the AC wall outlet.
- 16) **DO NOT** install accessories unless the power cord is removed from the AC wall outlet.

*TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO WATER, RAIN OR MOISTURE*

**LECTERN CABINET ASSEMBLY**

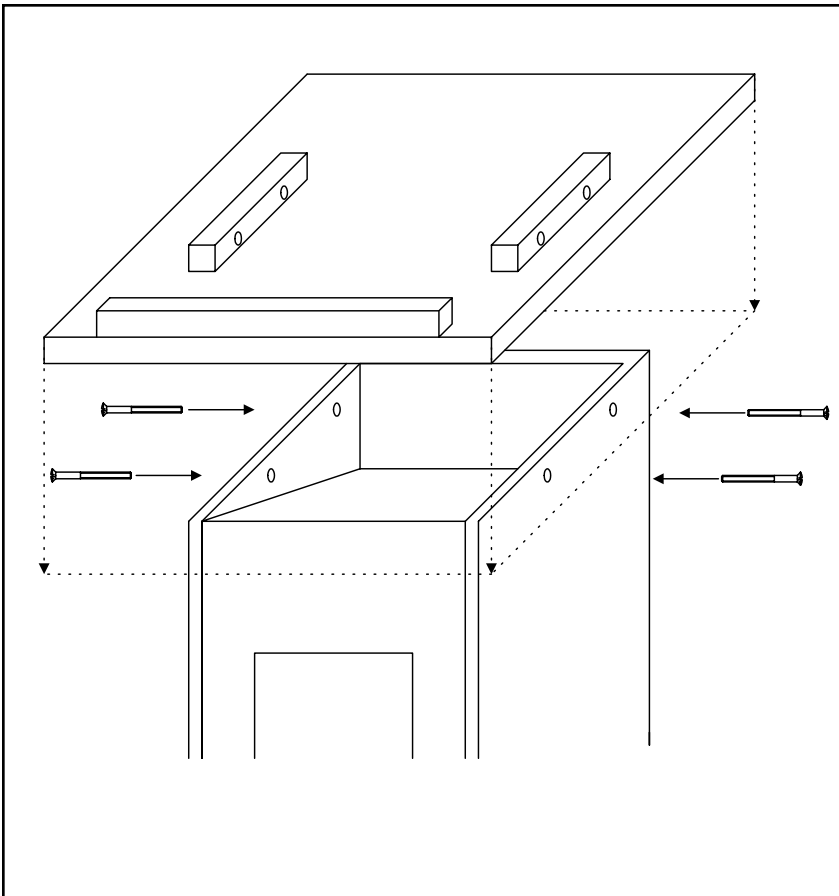
**READING TABLE AND DESK TOP ASSEMBLY (Fig. 4)**

Remove Desk Top Assembly from Carton.

1) Hold the Reading Table above the Lectern mid section and line-up with Main Cabinet Top.

2) Lower the Top Assembly on top of the mid section and line up the four mounting holes with the mid section top mounting nuts.

3) By using the four 4 X 1 V2" Bolts secure the top assembly to the mid section.

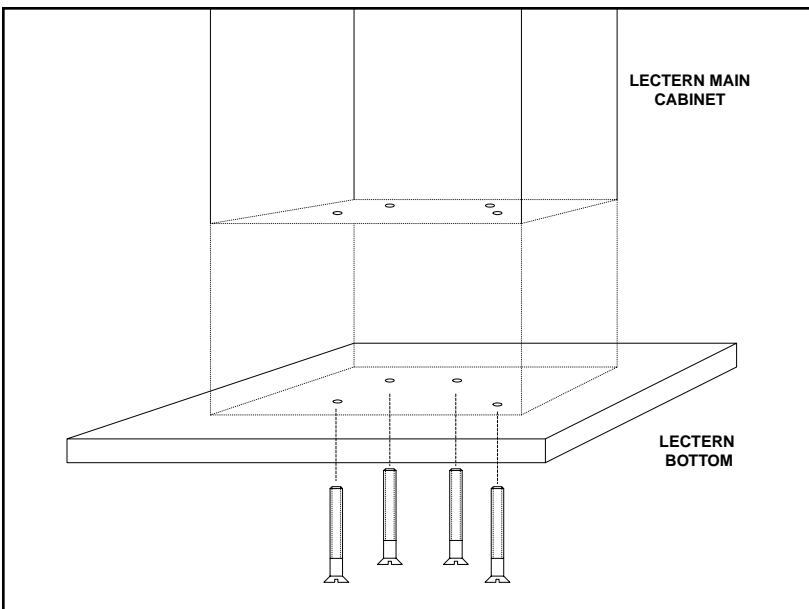


**Fig. 4**

**CABINET BASE ASSEMBLY (Fig. 4a)**

1) Line up mounting holes of Base with Lectern column and secure with hardware provided.

2) Tighten all screws securely after assembly.



**Fig. 4a**

**INSTALLATION AND OPERATION**

**INPUTS - OUTPUTS - CONTROLS**

**MICROPHONE**

Mount microphone holder on to gooseneck and insert microphone into holder provided. Insert the microphone connector into jack marked Mic. on the lectern amplifier panel. Be sure the Mic/Aux. switch located next to the microphone jack is set to the Mic. position and that the microphone On-Off switch is turned On if the microphone is provided, with a switch.

A second microphone may be used simultaneously if desired. use optional low impedance unidirectional microphone (see accessories) and insert into the second microphone input jack.

**POWER**

Insert power cord jack into connector marked AC LINE INPUT located on the power supply panel. Connect power cord into a wall outlet supplying 117 Volts AC 60 hz. Turn lectern ON by setting the Power switch to the On position. The pilot light should glow.

**VOLUME CONTROL**

While speaking into the microphone in a normal tone of voice, slowly turn clockwise the volume control knob until the desired output level is achieved.

**NOTE:** High volume settings may cause feedback "HOWL". therefore the output level should be properly adjusted for best performance and minimum interference.

ALWAYS SPEAK AS CLOSE TO THE MICROPHONE AS POSSIBLE.

**TONE**

Adjust the Tone control knob for the desired tonal balance.

This control can also be used to minimize the feedback howl effect should it occur.

**SPEECH FILTER**

A speech filter is provided to improve speech intelligibility and sound penetration. In applications where the acoustic environment does not allow efficient voice amplification set the Speech Filter switch to the IN position. This will minimize feedback as well as reverberation effects.

**AUXILIARY INPUT**

A Tape Recorder, Tuner or Wireless Microphone Receiver, may be directly connected to this input. Use a shielded single conductor audio cable terminated in a standard phono plug (RCA type). Set MIC/AUX switch to the AUX position, insert cable plug to the input marked AUX and adjust volume control for the desired output sound level.

**TAPE OUT**

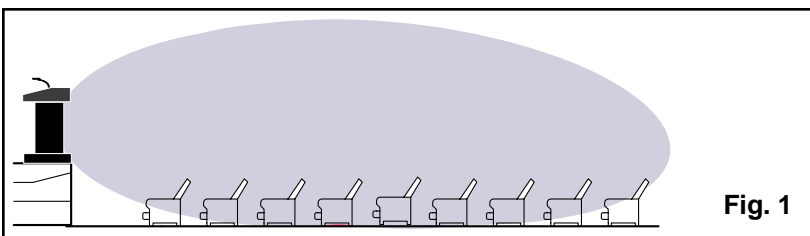
To record speeches, conferences. etc. from the Sound Lectern a tape out jack is available. Use a shielded audio cable terminated in a standard phono plug. Connect cable to the Tape Out jack and to the Tape Recorder input.

**BATTERY INSTALLATION**

The sound lectern may be operated on an optional internal rechargeable battery. The battery should be mounted in the compartment provided and located at the bottom of the unit. For the safe installation and handling of the battery refer to the Battery Installation Instructions in this manual.

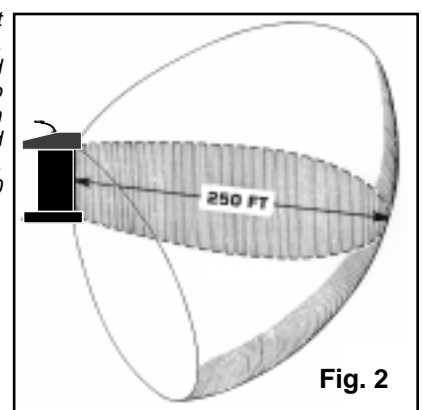
**IMPORTANT NOTE:** The battery will be recharged only while the lectern is On or in use.

**SOUND RADIATION PATTERNS**



**Fig. 1**

The figure at right shows the approx. "Effective Sound Range" of a Pasa Sound Column Lectern when used at rated power. Approx. Range: 250 Ft. (80 m.).

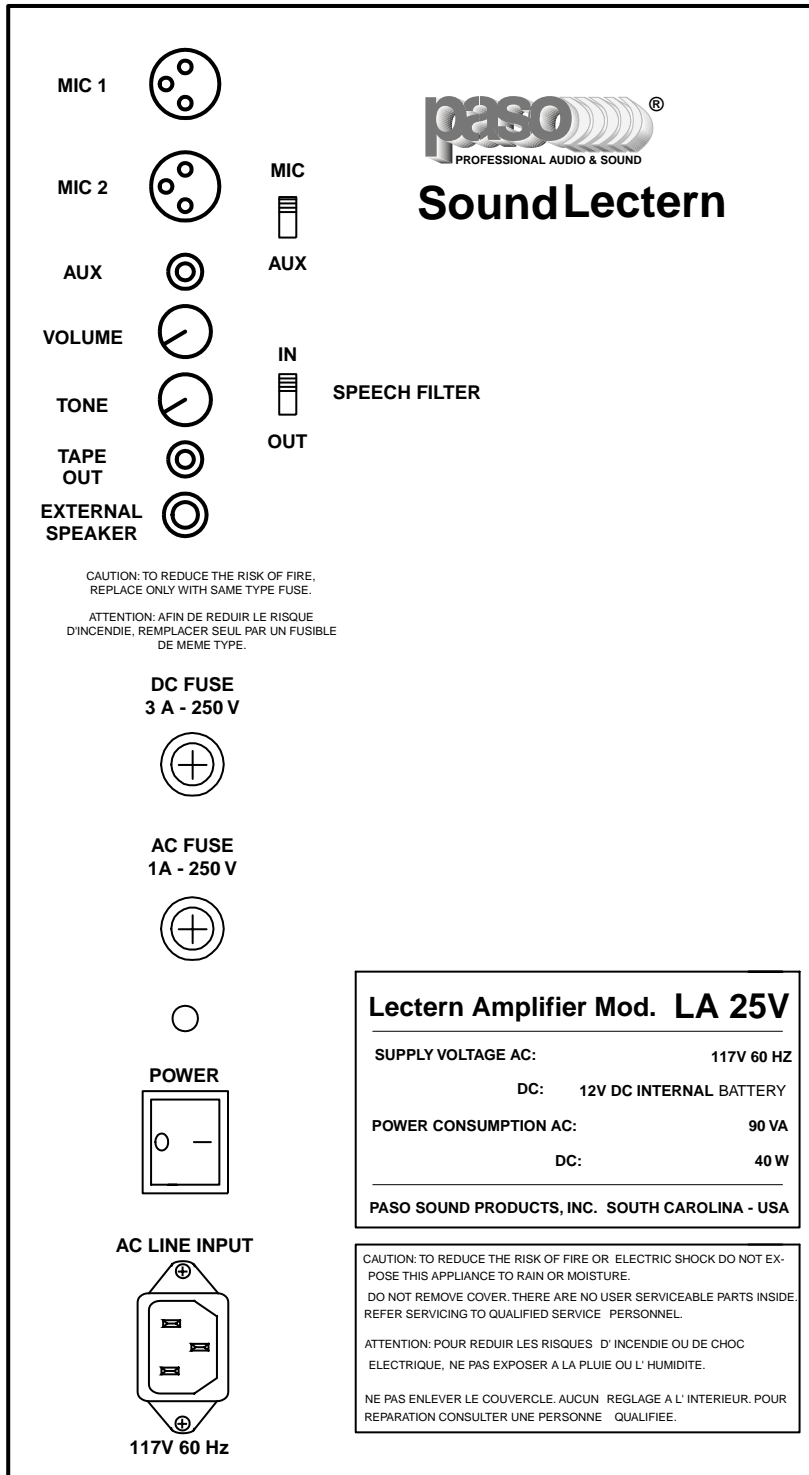


**Fig. 2**

The figures 1 and 2 show the vertical and horizontal sound radiation pattern of the Sound Column Lecterns. The acoustically engineered sound column enclosure provides controlled sound dispersion with maximum power output concentration where it is needed. Sound coverage is uniform, with full articulation of speech in the entire area served. The built-in electronic Speech-Filter Equalizer greatly minimizes feedback "howl" and reverberation resulting when sound bounces from ceiling and wall surfaces. Whether you address small or large audiences, your voice is carried over effectively and efficiently. The Lectern will cover an area up to 20,000<sup>2</sup> Feet (2,000<sup>2</sup> Meters).

**INSTALLATION AND OPERATION**

**AMPLIFIER PANEL CONTROLS**



**INPUTS**

**MIC 1** - Microphone Input 1. This is the Sound Lectern main microphone input. Use a low impedance Unidirectional Dynamic Microphone.

**MIC 2** - Microphone Input 2. Use a low impedance Dynamic Microphone. This input is connected in parallel with Microphone Input 1.

**AUX** - Auxiliary or Line Input. Accepts high level program from tape, tuner or preamplifier mixer.

**INPUT CONTROLS**

**MIC/AUX** - Microphone - Auxiliary Input Selector Switch. Selects either the microphone or the auxiliary input.

**SPEECH FILTER** - Speech Filter Equalizer. When on, reduces interference from feedback and improves intelligibility.

**VOLUME** - Volume Control. Adjusts volume of microphone inputs 1, 2 and auxiliary input.

**TONE** - Tone Control. Adjusts the tonal balance.

**OUTPUTS**

**TAPE OUT** - Tape Output. Use this output to record from the lectern or to drive an external sound system.

**EXTERNAL SPEAKER** - Output for external speaker.

**POWER**

**DC FUSE** - Battery DC fuse. Use type 3AG - 3A.

**AC FUSE** - AC line fuse. Use type 3AG - 1A.

**CAUTION:** Disconnect power cord before replacing fuses.

**POWER** - On-Off power switch.

**AC LINE INPUT** - Connect power cord provided to this input.

## RECHARGEABLE BATTERY INSTALLATION

### BATTERY HANDLING INSTRUCTIONS

#### IMPORTANT BATTERY NOTE

The PASO 27/12 Battery is U.L. and I.A.T.A. approved and manufactured in an ISO 9002 Certified factory. Material Safety Data Sheet for the Paso 27/12 is available upon request.

#### HANDLING CAUTIONS:

1. Keep battery away from Children.
2. Do not short circuit terminals.
3. Do not overcharge. (Caution: Severe overcharging may release sulfur oxide fumes)
4. Do not place the battery in a container or bag without proper ventilation.
5. Do not place the battery near or in flames. (Caution: Severe overheating may cause sulfur oxide fumes.)
6. Keep lighted cigarettes, sparks and flames away from charging battery.
7. Operate at a temperature between -15 degrees C to 50° degrees C.
8. To properly store the battery, disconnect terminals and remove from equipment or charger and store in a cool dry place.
9. Immediately recharge after discharging.
10. Do not crack battery case.
11. Avoid contact with sulfuric acid electrolyte from battery. Flush with water. Neutralize with solution of baking soda in water. If acid comes in contact with eyes, rinse eyes with large amounts of water and immediately consult a physician.
12. It is unlawful to dispose in landfill. Do not incinerate, puncture, disassemble or mutilate. Dispose in accordance with local and Federal regulations.

### BATTERY INSTALLATION

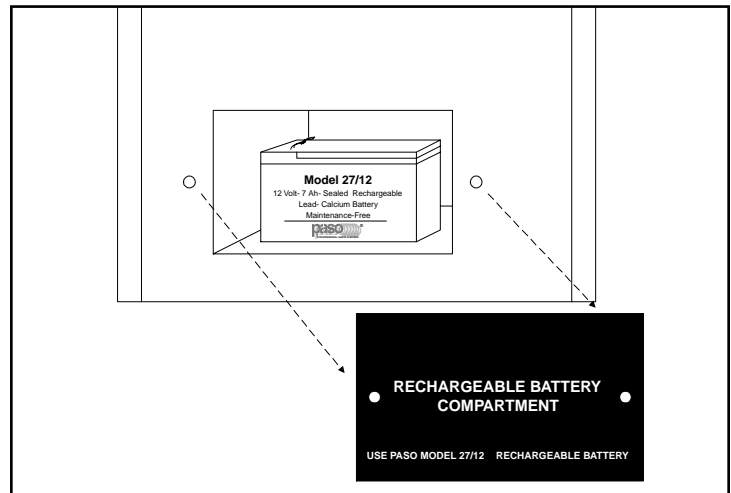
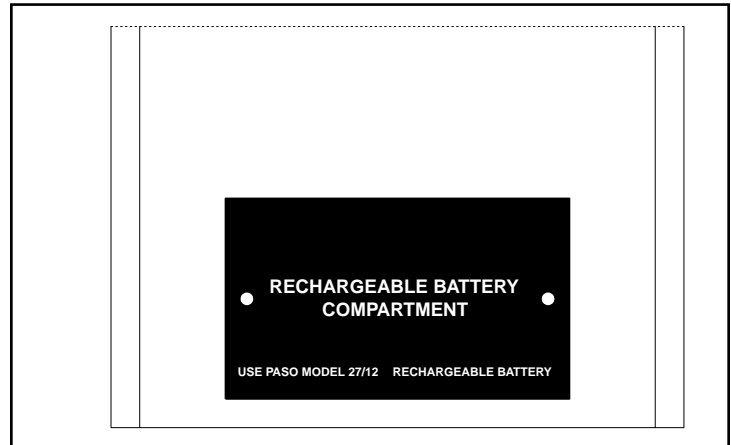
THE POWER CORD MUST BE DISCONNECTED FROM THE AC OUTLET WHEN INSTALLING OR REMOVING THE BATTERY FROM THE LECTERN.

**RECHARGING:** The battery will be recharged only while the Sound Lectern On-Off switch is in the ON position or while the Lectern is operating.

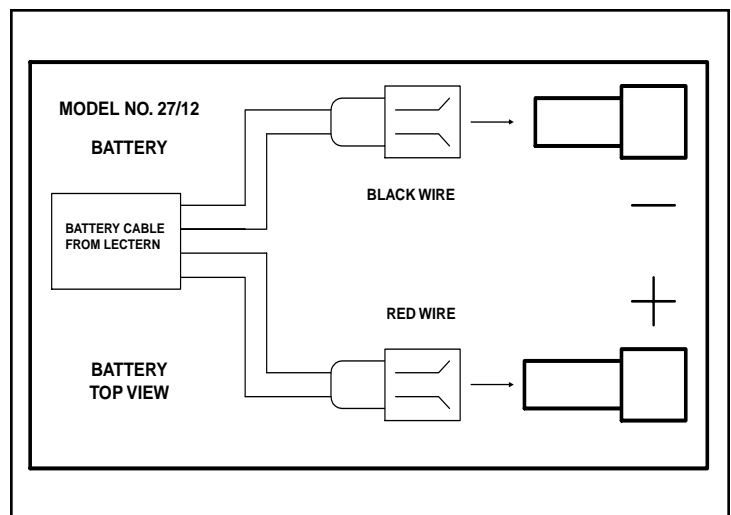
- 1) Procure a 12 volt rechargeable battery. (Paso accessory model 27/12)
- 2) Locate the battery compartment at the rear panel of the sound lectern.
- 3) Remove the two screws holding the battery compartment cover.
- 4) Remove cover and set aside.
- 5) Locate the battery cable inside the battery compartment.
- 6) Attach the battery cable wires by connecting the black wire to negative (-) and connecting the red wire to positive (+).

**Important Note:** Battery polarity must be respected or damage to the battery and recharger may occur.

- 7) Position battery inside battery compartment.
- 8) Replace battery cover by using the two screws provided.



### Lectern Battery Compartment View



### Battery Cable Connection Diagram

**CUSTOMER SERVICE**

**REPLACEMENT PARTS**

**REPLACEMENT PARTS**

Please provide complete information when you request replacement parts from either the Factory or a Paso Authorized Distributor. Be certain to include the Part Number and Description as it appears on the parts list, the Model Number of the unit and if possible the Serial Number and the date of purchase of the unit. Replacement parts inventory is maintained specifically to repair Paso products. Part sales for other reasons or applications will be declined.

**ORDERING FROM THE FACTORY**

Print all information on a purchase order form and mail to:  
PASO SOUND PRODUCTS, INC.  
4750 Goer Drive - Building F  
CHARLESTON, SC 29406

Be sure to include the following:

- Paso part number
- Part description
- Quantity required
- Model number of the unit
- Serial number of the unit
- Your payment or your authorization for COD shipment for parts not covered by the Warranty or if your company has a current account with the factory

*RETAIN ORIGINAL PARTS (IN WARRANTY) UNTIL YOU RECEIVE REPLACEMENTS. DEFECTIVE PARTS THAT SHOULD BE RETURNED TO THE FACTORY WILL BE LISTED ON YOUR PACKING SLIP.*

For your convenience replacement parts are also available through Paso Authorized Distributors and Dealers nation wide. Obtain a location list directly from the Factory or your regional Paso Representative.

**TECHNICAL CONSULTATION**

- Need help with your installation ?
- Need help with the operation of the unit ?
- Need help with a repair ?

Call or write for assistance. You will find our Technical Dept. eager to help or assist you with any technical problem you may have encountered except "Customizing" for a unique application.

The effectiveness of our consultation service depends on the accuracy of the information you furnish.

Be sure to tell us:

- The Model and Serial number of the unit
- The date of purchase
- An exact description of the difficulty
- All trouble-shooting done in attempting to correct the problem

Call our toll-free phone number:

**1-800 231 3034**

**REPAIR SERVICE**

**REPAIR SERVICE**

Repair service for out of warranty Paso products may be obtained from your local Paso distributor or any other qualified repair station.

In warranty repairs must be returned to the Factory. Prior authorization must be obtained from the Factory. Products received without authorization will be refused by our Receiving Department.

**IN WARRANTY REPAIR SERVICE**

Call or write the Factory to obtain an authorization to return the product for repairs.

Pack the equipment in the original carton or in a strong carton with at least THREE INCHES of resilient packing material on all sides, top and bottom. Seal the carton with reinforced tape and mark it FRAGILE on at least two sides. Remember, the Carrier will not accept liability for shipping damages if the unit is improperly packed.

*EQUIPMENT RECEIVED IN DAMAGED CONDITION DUE TO POOR PACKING WILL BE REFUSED AND THE WARRANTY COVERAGE IS AUTOMATICALLY VOIDED.*

The Paso Sound Limited Warranty provides:

The examination of the returned product must disclose in our judgement, a manufacturing defect. The warranty does not extend to any product that has been subject to misuse, neglect, accident, improper installation or where the serial number of the product has been removed or defaced.

Ship via insured prepaid United Parcel Service or Parcel Post to:

PASO SOUND PRODUCTS, INC.  
4750 Goer Drive - Building F  
CHARLESTON, SC 29406  
ATTN. SERVICE DEPARTMENT

The equipment will be returned freight prepaid after repairs.

Be sure to include the following:

- Your name and address
- Date of purchase and copy of invoice
- A brief description of the difficulty
- A return address shipping label
- 

**OUT OF WARRANTY REPAIR SERVICE**

Follow return instructions as per in warranty repair service. Prior to performing all necessary repairs, you will be advised of the charges and at that time a written authorization by you will be required including authorization to return the equipment COD for the service and shipping charges. This will avoid unnecessary delays in returning the equipment to you.