



**SOUND CRUISER  
CAR TOP PUBLIC ADDRESS SYSTEM  
MODEL S312A**

**INCLUDES:**

- Car top speaker system
- New S805A Multimedia Stereo Amplifier
- Lightweight Microphone w/on-off switch
- Microphone mounting brackets
- Lighter and battery adapter cables

**SET UP:**

**INSTALL POWER CABLES**

Insert 12 Volt DC Battery cable or automotive cigarette lighter cable into AC/DC in jack. Insure connection points are clean and free of corrosion. Model S1460 International AC Adapter (110/220V, 50/60Hz) and battery recharger can also be used. S1465 - NiCad battery pack is also available.

**TO INSTALL OR REPLACE BATTERIES**

Remove all plugs from amplifier. Slip a fingernail under battery door on back of amplifier. Remove battery pack from amplifier. Insert 10 new Alkaline "D" cell batteries, observing polarity, or NiCad battery pack. Carefully replace battery pack. Slide battery door back into position.

**Do not mix battery types or attempt to recharge alkaline batteries - equipment damage, safety hazard or fire could result.**

**TO OPERATE:**

Plug microphone into **DYNAMIC** Microphone jack.

Plug car top speaker lead into either **SPEAKER** jack. (Remaining speaker jack is for optional extension speaker).

Turn Amplifier on (switch is located on the front of the amplifier). The red light will go on, showing that power is available. Rotate **VOLUME** control knob to obtain desired loudness level throughout the coverage area.

**ON-OFF**

When switch is in the ON position, the red light will be on.

**AC/DC IN**

Connection for optional adapters:

- S1460 Universal AC Adapter (110/220V, 50/60Hz) / NiCad Battery Recharger
- S1462 12 Volt DC (automotive cigarette lighter) Adapter

**AUX OUT**

Connection for 12 to 15V DC accessory

## VOLUME

Rotate clockwise to increase amplification.

## MICROPHONE INPUTS

There are three microphone inputs which can be used simultaneously:

- DYNAMIC** - for standard dynamic cartridge microphones
- CONDENSER** - for electret or condenser microphones which require phantom power (supplied from the amplifier)
- WIRELESS** - accepts line-level output from wireless microphone receiver (AmpliVox S1600 or equivalent)

## LINE IN L+R (SEPARATE-COMBINED)

Combines the separate left and right **AUX LINE IN** channels. This combined signal will be amplified and appear on both the **LEFT** and **RIGHT** channels of the **SPEAKER** and **LINE OUT** outputs.

## AUXILIARY

If you desire to add pre-recorded music or sound effects during your presentation, just plug your CD player, tape player or computer sound card into the **LINE IN** jack. The **LINE IN** also has its own **VOLUME** and **TONE** control knobs, so that you may adjust the volume and tone to the appropriate level.

## OUTPUT

If you desire to tape record your speech or program, (using cable with standard phono plug) connect the **LINE OUT** on the amplifier to the input on the tape recorder.

## SPEAKERS

Two separately amplified speaker jacks (4-8 ohms).

## **PROBLEM SOLVING**

**HOWLBACK** is the howl or screech often heard in sound reinforcement systems. It is caused by sound from the loudspeaker returning to the microphone. AmpliVox systems utilize proven acoustical principles to minimize this; however, there is no way to completely eliminate howlback under conditions of high amplification. If howlback occurs check the following:

1. User covering the head of the microphone. Hold microphone under head slots.
2. Sound can easily re-enter microphone. Keep loudspeaker turned toward audience. Note: sound can be reflected from hard surface back through the microphone. [Turn speaker]
3. User holding microphone in a reflecting position. [Turn microphone]
4. Volume setting too high. [Reduce microphone channel volume; compensate by speaking louder or closer to the microphone]

## **NO SOUND**

Make sure amplifier **POWER** switch is turned on and red LED is lit. If switch is on and LED is not lit, check to see that front panel connector is properly seated and verify that the power source is live.

**IF YOU HAVE ANY QUESTIONS OR PROBLEMS PLEASE CALL OUR CUSTOMER SERVICE DEPARTMENT AT 1-800-267-5486**

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