



User Guide

SW212

Mity-Vox Wireless PA



Thank you for choosing the **SW212 Mity-Vox Wireless PA** from *AmpliVox Portable Sound Systems*.

We are excited in introducing this truly unique system. Our system combines flexibility with functionality. Please refer to this user guide as you enjoy the unique capabilities of another quality product from *AmpliVox Portable Sound Systems*.

We encourage you to visit our website **www.ampli.com** to register your product for its warranty coverage, sign up to receive our newsletter, download our catalog, and learn more about the complete line of *AmpliVox* audio visual products, including portable PA systems, and lecterns.

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IMPORTANT SAFETY INSTRUCTIONS

Before using this product, read the instruction manual for important safety information. Please retain this manual for future reference and warranty information.

Troubleshooting & Servicing

Do not attempt to service or repair the device yourself. Refer all servicing to qualified service personnel. Do not attempt to modify the device in anyway. Doing so could invalidate your warranty.

Cleaning

When cleaning the device, please use a soft, dry cloth. Never use benzene, paint-thinner, or other chemicals on the device.

Location

Place the device in stable location, so it will not fall causing damage to the device or bodily harm.

Intended use

The product may only be used with the original parts intended for it. The intended use includes adherence to the specified installation instructions. The manufacturer accepts no liability for damage arising due to improper use.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The unit's circuitry may cause interference to nearby radios. To prevent interference, either switch the unit off or move away from the affected radio.

NOTE: This equipment complies within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

NOTE: Shielded cables may be required to be used with this unit to ensure compliance with the Class B FCC limits.

PACKAGE CONTENTS

- SW212 Amplified Speaker
- Wireless Handheld Microphone
- Wireless Transmitter
- Lapel Microphone
- Headset Microphone
- Power Cord
- 1/4" - 1/4" Line Cord
- Protective Cover/Carry Case

SPECIFICATIONS

Rated Power Output:	30 W Dynamic
AC Power:	110 V
Wireless Range:	61 to 128 ft.
VHF Wireless Frequency:	165 - 265 MHz
Speaker:	6 1/2"
Frequency Response:	100Hz to 15KHz
Sensitivity:	60dB
Weight:	7.5 lbs.
Dimensions (HWD):	11.25 in. H x 9 in. W x 6.5 in. D

MICROPHONES



BATTERIES

- **Handheld Wireless Microphone** - Screw off the lower bottom section of microphone and insert a 9V rechargeable battery.
- **Wireless Bodypack** - Slide open the case and insert a 9V rechargeable battery.
- These batteries can be recharged inside of the **SW212** (see Back Features).
- Battery life is about 8 hours.

Alakline batteries can be used but cannot be recharged.

MICROPHONE OPERATION

Turn on **SW212**, Set Wireless Microphone Volume Control at half way.

- **Handheld Wireless Microphone** - Slide switch to the "ON" position. Talk into microphone and adjust volume.
- **Wireless Bodypack** - Connect either the Lapel or Headset Microphone into the input jack on the Wireless Bodypack. Set Gain Control at half way. Slide the Power Switch to **ON**. LED will light. Speak into microphone and adjust the Gain control to desired loudness. NOTE: The center position of the Power Switch is to be used when you want to temporarily quite microphone.

TIPS

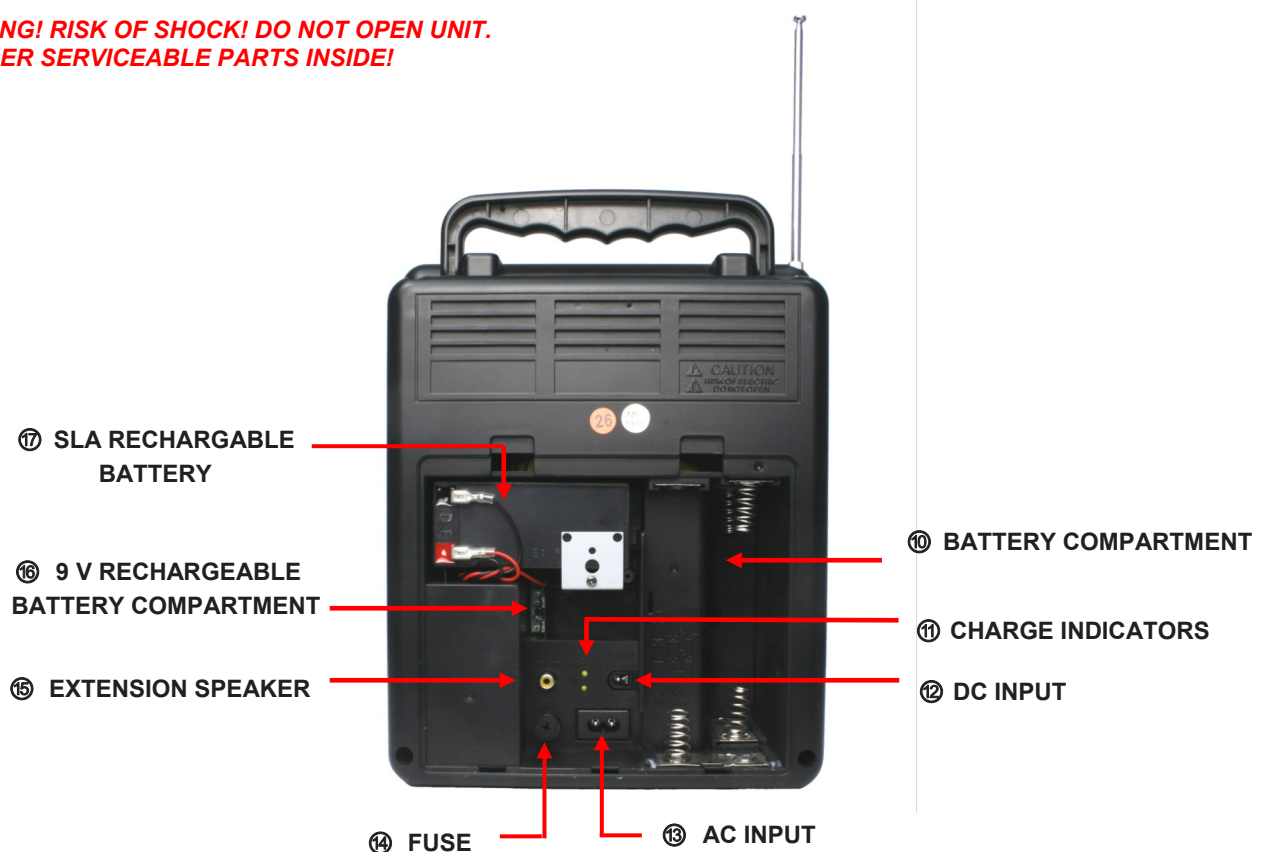
- Take care in selecting volume level, and speaker placement so that acoustic feedback (howling and screeching) will be avoided.
- Also, microphones that are farther from the sound source, such as **lapel**, require more acoustic gain and thus are also more prone to feedback than close-source microphones such as **handheld** or **headset** microphones that are used close to the mouth.

FRONT PANEL



BACK PANEL

**WARNING! RISK OF SHOCK! DO NOT OPEN UNIT.
NO USER SERVICEABLE PARTS INSIDE!**



SW212 FEATURES

FRONT PANEL

- ① **Power Switch with Indicator.**
- ② **Wireless Antenna** - For best performance extend to full length.
- ③ **Wireless Volume Control with Indicator**— Adjust output loudness of wireless microphone. RF indicator will light when wireless signal is received from microphone.
- ④ **Battery Strength Indicator**— Visual indication of SLA rechargeable battery strength.
- ⑤ **Treble / Bass Control** - increases or decreases the lower frequencies and higher frequencies of your audio independently.
- ⑥ **1/4" Output Jack**- Outputs the audio to external devices like a recorder or speaker.
- ⑦ **Line / Aux In Jack and Volume Control** - Plug-in external device like a CD player and control the audio level with the "**LINE IN**" Control.
- ⑧ **Wired Microphone Jack and Volume Control** - Connect a wired microphone with a 1/4" plug and control the audio level with the MIC VOL control.
- ⑨ **Echo Control** - Adds audio effect (reverberation) to the microphone output.

BACK PANEL

- ⑩ **Battery Compartment** - Insert 8 "D" cell size batteries into the compartment. Follow symbols in compartment. Flat side of battery always goes against spring.
- ⑪ **Charge Indicators** - "**Charge 1**" will light when a 9V battery is in the charging compartment "**Charge 2**" will light when main SLA battery is being charged.
- ⑫ **DC Input** - The voltage should be 12V-15V
- ⑬ **AC Input** - Insert supplied AC cord into jack marked "**AC IN**".
- ⑭ **FUSE** - If the unit does not turn on and the SLA battery is fully charged, you may have a blown fuse. Unscrew fuse cap and check. If blown, replace with **5A** fuse.
- ⑮ **Extension Speaker RCA Output Jack** - Connect an external speaker using a RCA cable.
- ⑯ **9V Rechargeable Battery Compartment** - Remove 9V battery from handheld wireless microphone / bodypack wireless transmitter and recharge in this compartment. Follow the + - sign in the battery compartment.
- ⑰ **SLA Rechargeable Battery** - Charge 24 hrs before using.

OPERATING INSTRUCTIONS

The SW212 is unique in the fact that it designed to operate using either the built-in SLA rechargeable battery or the 8 "D" cell batteries.

Please note that when the 8 "D" cell batteries are installed, the unit will operate off the "D" cell batteries and not the SLA rechargeable battery.

- Before switching the unit on, adjust the **MASTER VOLUME**, **TREBLE**, **BASS**, and **ECHO** control to minimum, then turn unit on. Adjust levels accordingly.
- If feedback occurs, turn down the **TREBLE** tone control. If feedback still exists, turn **MASTER VOLUME** down.
- If volume is getting lower, receiving distance is shortened or sound is not normal, change/charge the batteries.
- The **WIRELESS MICROPHONE** and **WIRED MICROPHONE** can be used together.
- **AUX IN** can be used to connect a portable radio, CD player, MP3 or any other audio source.
- **AF-OUT** can connect with a recorder, or plug into a house system.
- When not using the system, remember to turn off the power on the microphone and switch off the amplifier to avoid wasting power.
- Do not mix old and new batteries together. Always change all of the 8 batteries at the same time.
- Remove the 8 - "D" cell batteries when the amplifier will not be used for long periods of time. They can leak and damage the unit. Our warranty does not cover damage caused by leaking batteries.

NOTE: The **orange sticker with a number** that is attached to the; SW212, Wireless Handheld Microphone and the Wireless Transmitter Bodypack refers to the wireless frequency. All three stickers must have the same number for the wireless to operate correctly.

TROUBLESHOOTING GUIDE

PROBLEM & ITEMS TO CHECK

UNIT WILL NOT TURN ON

- Is unit plugged in?
- Is the battery charged?

SOUND IS DISTORTED

- Turn down main volume
- Turn down input source since the output of some devices may be too high
- Check for debris on speaker cone

SOUND IS MUFFLED

- Bass too high
- Treble too low

FEEDBACK: A LOUD SQUEALING, SHRILL OR HOWLING SOUND THAT IS SELF GENERATED

- Feedback occurs when a microphone is too close to the speaker or the microphone volume is too high, or the microphone is pointed towards the speaker. It is also caused by sound reflecting off hard surfaces.
- Reduce or eliminate Feedback by
 - Pointing the microphone in a different direction
 - Keeping the microphone BEHIND the speakers
 - Turn down the volume levels

POWER IS ON, BUT NO SOUND

- Check volume levels
- If using wireless, be sure receiver(s) and/or transmitter battery is installed and/or is on

MICROPHONE SIGNAL IS WEAK

- If microphone has batteries, check batteries
- Check cables/connectors

WIRELESS MIC DOES NOT WORK

- Check transmitter to ensure transmitter is on.
- Does yellow "signal" LED light when transmitter is turned on?

WIRELESS MIC CUTS IN AND OUT

- Is unit visible (line of sight) from user? If not, move unit into view when using wireless microphone.
- Does the yellow "signal" LED go out when signal drops out? Check battery in transmitter.

NEED HELP? Call 800-267-5486

DISCLAIMER

AmpliVox Portable Sound Systems, operates a policy of continuous development. AmpliVox reserves the right to make changes and improvements to any of the products described in this document without prior notice.

Under no circumstances shall AmpliVox be responsible for any loss of data or income or any special, incidental, consequential or indirect damages howsoever caused.

In some countries there may be some restrictions in using this equipment. Please check with your local radio frequency authorities.

WARRANTY

Limited One (1) -Year Warranty

AmpliVox warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below) for a period of one (1) year from the date of purchase ("Warranty Period"). All accessories and the battery are warrantee for 1 year. Accessories are; wireless and wired microphones, receivers and transmitters, CD players, cassette players, and digital players.

During the Warranty Period, AmpliVox will repair or replace (at AmpliVox's discretion) this product or any defective parts ("Warranty Service").

Repair or replacement under the terms of this warranty does not give right to any extension or a new beginning of the period of warranty.

CLAIMS UNDER THE WARRANTY

To obtain Warranty Service, **contact AmpliVox (800-267-5486)** to be assigned a **Return Authorization number (RA#)**. After receiving a RA#, the defective unit is to be returned to AmpliVox in either its original packaging or packaging affording an equal degree of protection. You will bear the cost of shipping the product to AmpliVox. If the product is covered by the warranty, AmpliVox will bear the cost of shipping product back to you after the completion of service under this warranty.

Return shipping will be charged to you for products not covered by the warranty or requiring no warranty repair.

The following information must be presented to obtain Warranty Service: **(a)** the RA# must be clearly and legibility marked on the outside of shipping carton, **(b)** proof of purchase, which clearly indicates the name and address of the seller, the date of purchase and the product type, which is evidence that this product is within the Warranty Period. Please further include **(c)** your return address, **(d)** daytime telephone number, and **(e)** reason for return.

LIMITATION OF WARRANTY

This warranty is only valid for the original purchaser and will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party. The warranty provided by AmpliVox in this statement applies only to products purchased for use, and not for resale. It does not apply to open box purchases, which are sold "as is" and without any warranty. Specifically exempt from warranty are limited-life consumable components subject to normal wear and tear, such as microphone windscreens, ear cushions, modular plugs, ear tips, decorative finishes, batteries, and other accessories. This warranty is invalid if the factory-applied serial number, date code label, or product label has been altered or removed from this product. This Warranty does not cover cosmetic damage or damage due to misuse, abuse, negligence, Acts of Nature, accident, disassembling or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than AmpliVox. Any unauthorized repairs will void this warranty.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. AMPLIVOX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHAT SOEVER, INCLUDING BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

NOTE! This warranty gives you specific legal rights. You may have other rights which vary from location to location. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or implied warranties, so the above exclusions may not apply to you. This warranty does not affect your legal (statutory) rights under your applicable national or local laws.



Dispose of the product according to local standards and regulations

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