

# **VoiceAmp® SpeakEasy™**

**30 Watt Portable Amplifier**

**Manual and User Guide**



**User Guide Part # ARG-OM001-C**

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## **SAFETY INFORMATION**



This product is designed to amplify sounds to a high volume level which could potentially cause hearing loss if used improperly and cause damage to your equipment.

To protect your hearing and the hearing of others:

1. Always set all volume levels at the minimum setting before powering on your device. Then adjust the volume to a comfortable level.
2. Use caution when using the siren alert button because it can produce very high volume levels which can cause hearing damage. Turn master volume control to the lowest setting and test in short intervals to determine the proper volume level.
3. If feedback (a high pitch squealing sound) occurs:
  - immediately move the microphone away from the speaker
  - reduce the volume level on the speaker
  - move the microphone to the side and behind the speaker, never use it directly in front of the speaker
  - point the microphone away from the speaker
4. Do not allow children or unauthorized persons access or use of this product.



**Risk of  
Electric  
Shock!**

- THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO ENSURE YOUR PERSONAL SAFETY SO PLEASE READ AND FOLLOW THE INSTALLATION AND OPERATIONS INFORMATION IN THIS MANUAL.
- TO REDUCE THE RISK OF ELECTRIC SHOCK AND FIRE HAZARDS, DO NOT MODIFY OR DIS-ASSEMBLE. SERVICING SHOULD BE PERFORMED BY QUALIFIED FACTORY PERSONNEL ONLY.
- IMPROPER USE CAN RESULT IN POSSIBLE ELECTRICAL SHOCK OR FIRE HAZARDS.
- DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- THIS PRODUCT SHOULD BE USED WITH THE SUPPLIED SWITCHING POWER SUPPLY AND 110-125V AC OUTLET ONLY.



**Product Recycling Instructions**

**DO NOT DISPOSE ELECTRONICS IN THE HOUSEHOLD TRASH!**

Help ARG protect our environment by locating an electronics recycling center.

## Package Contents for Each SpeakEasy™ Model

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE**

Basic 30 Watt Amplifier with a wired Microphone includes the following:

- |     |            |   |
|-----|------------|---|
| (1) | ARG-VA30SE | Portable Amplifier                      |
| (1) | ARG-PS004  | Power Supply/Battery Charger            |
| (1) | ARG-MP09   | Professional Uni-Directional Microphone |
| (1) | ARG-CC08   | Medium Soft-Sided Carry Case            |

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE-B1**

30 Watt Amplifier with one (1) 900MHz Wireless Module and one (1) Wireless Bodypack Transmitter includes the following:

- |     |                 |                                     |
|-----|-----------------|-------------------------------------|
| (1) | ARG-VA30SE      | Portable Amplifier                  |
| (1) | ARG-RX900P-MOD1 | Professional Series 900MHz Receiver |
| (1) | ARG-PS004       | Power Supply/Battery Charger        |
| (1) | ARG-TX900BP     | 900MHz Bodypack Transmitter         |
| (1) | ARG-MP14        | Lightweight Headband Microphone     |
| (1) | ARG-CC08        | Medium Soft-Sided Carry Case        |
| (1) | ARG-RC1         | Remote Control                      |
| (1) | ARG-AN3         | 900MHz 90-degree Antenna            |

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE-H1**

30 Watt Amplifier with one (1) 900MHz Wireless Module and one (1) Wireless Handheld Microphone Transmitter includes the following:

- |     |                 |   |
|-----|-----------------|---|
| (1) | ARG-VA30SE      | Portable Amplifier                              |
| (1) | ARG-RX900P-MOD1 | Professional Series 900MHz Receiver             |
| (1) | ARG-PS004       | Power Supply/Battery Charger                    |
| (1) | ARG-TX900BP-HH  | 900MHz Wireless Handheld Microphone Transmitter |
| (1) | ARG-CC08        | Medium Soft-Sided Carry Case                    |
| (1) | ARG-RC1         | Remote Control                                  |
| (1) | ARG-AN3         | 900MHz 90-degree Antenna                        |

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE-B2**

30 Watt Amplifier with two (2) 900MHz Wireless Modules and two (2) Wireless Bodypack Transmitters includes the following:

- |     |                 |                                     |
|-----|-----------------|-------------------------------------|
| (1) | ARG-VA30SE      | Portable Amplifier                  |
| (2) | ARG-RX900P-MOD1 | Professional Series 900MHz Receiver |
| (1) | ARG-PS004       | Power Supply/Battery Charger        |
| (2) | ARG-TX900BP     | 900MHz Bodypack Transmitter         |
| (2) | ARG-MP14        | Lightweight Headband Microphone     |
| (1) | ARG-CC08        | Medium Soft-Sided Carry Case        |
| (1) | ARG-RC1         | Remote Control                      |
| (2) | ARG-AN3         | 900MHz 90-degree Antenna            |

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE-H2**

30 Watt Amplifier with two (2) 900MHz Wireless Modules and two (2) Wireless Handheld Microphone Transmitters includes the following:

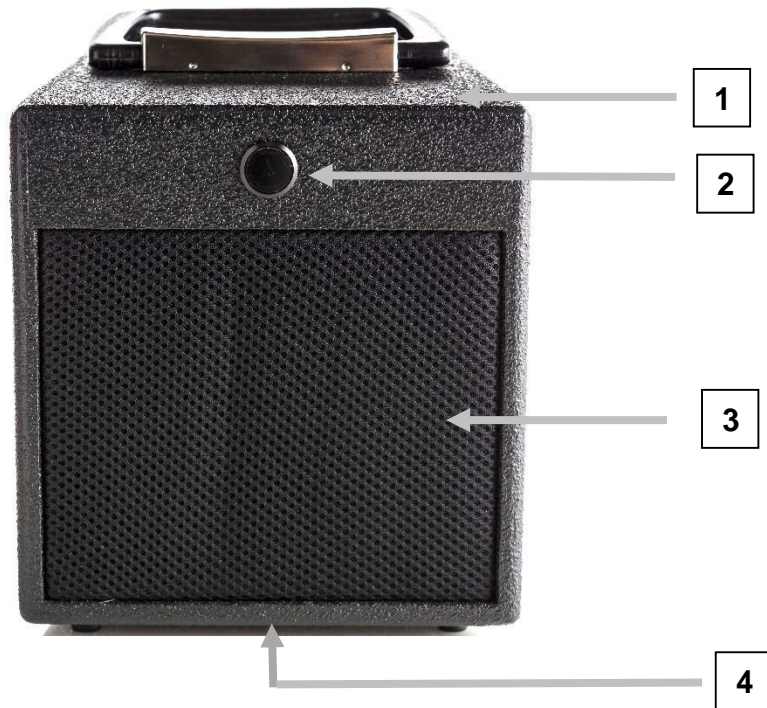
- |     |                 |   |
|-----|-----------------|---|
| (1) | ARG-VA30SE      | Portable Amplifier                              |
| (2) | ARG-RX900P-MOD1 | Professional Series 900MHz Receiver             |
| (1) | ARG-PS004       | Power Supply/Battery Charger                    |
| (2) | ARG-TX900BP-HH  | 900MHz Wireless Handheld Microphone Transmitter |
| (1) | ARG-CC08        | Medium Soft-Sided Carry Case                    |
| (1) | ARG-RC1         | Remote Control                                  |
| (2) | ARG-AN3         | 900MHz 90-degree Antenna                        |

### **VoiceAmp® SpeakEasy™ Model ARG-VA30SE-C2**

30 Watt Amplifier with two (2) 900MHz Wireless Modules and one (1) Wireless Bodypack Transmitter and one (1) Wireless Handheld Microphone Transmitter includes the following:

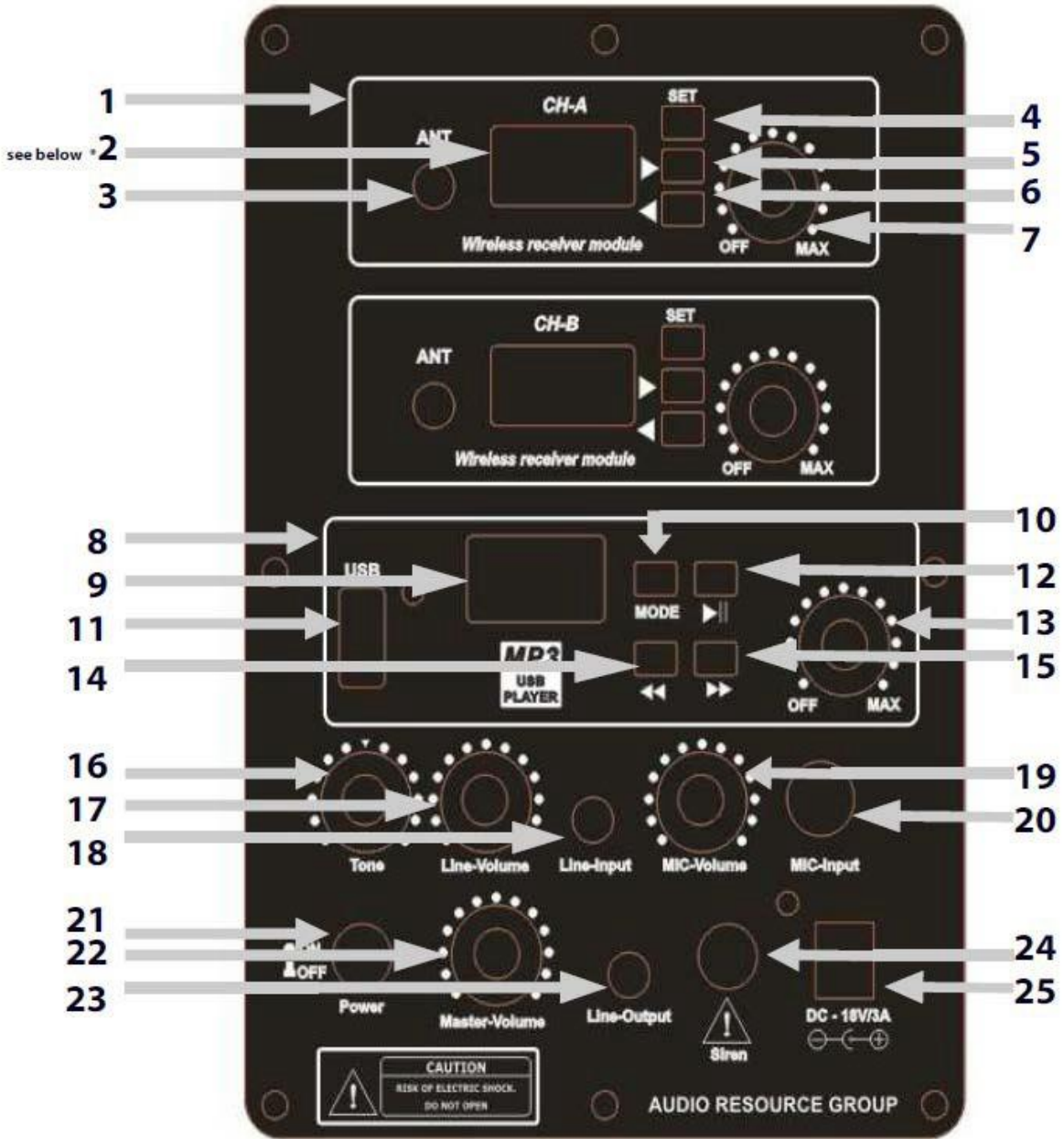
- |     |                 |   |
|-----|-----------------|---|
| (1) | ARG-VA30SE      | Portable Amplifier                              |
| (2) | ARG-RX900P-MOD1 | Professional Series 900MHz Receiver             |
| (1) | ARG-PS004       | Power Supply/Battery Charger                    |
| (1) | ARG-TX900BP     | 900MHz Bodypack Transmitter                     |
| (1) | ARG-MP14        | Lightweight Headband Microphone                 |
| (1) | ARG-TX900BP-HH  | 900MHz Wireless Handheld Microphone Transmitter |
| (1) | ARG-CC08        | Medium Soft-Sided Carry Case                    |
| (1) | ARG-RC1         | Remote Control                                  |
| (2) | ARG-AN3         | 900MHz 90-degree Antenna                        |

**ARG-VA30S VoiceAmp® SpeakEasy™ System Front View:**

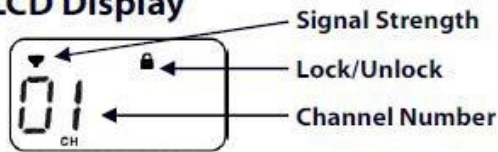


1. Durable, lightweight, hand-crafted wood cabinet that delivers superb audio quality.
2. Infrared Sensor for remote control.  
Green LED Indicator Light illuminates when amplifier is charging.  
Blinking Red LED Indicator Light illuminates to indicate low battery.
3. 5.25" Speaker
4. 3/8"x16 Threaded Insert located on the bottom of the amplifier. Used for speaker stand or wall and ceiling mount applications.

**ARG-VA30S VoiceAmp® SpeakEasy™ System Controls: Rear View**



**\*#2 LCD Display**



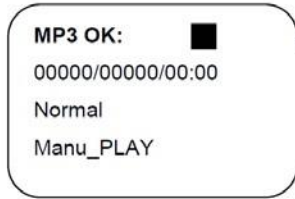
## **ARG-VA30S VoiceAmp® SpeakEasy™ - System Controls**

1. **Wireless Receiver (A&B):** Optional FCC compliant 900MHz digitally encrypted wireless receiver module with diversity reception. The 900MHz Radio frequencies used fall under the ISM band classification which is FCC License free and is globally accepted in most countries.
2. **LCD Display (A&B):** Displays basic information including, Channel number, signal strength and lock/unlock status. *\*Please see detailed display on previous page.*
3. **Antenna (A&B):** The 900MHz Digital Receiver has an internal antenna attached which provides enough signal strength to provide up to 100' of range.  
*Note: If additional range is required attach the ARG-AN3 antenna for a maximum range of 300'.*  
*Note: When using both internal and external antenna, the receiver will be in switching diversity mode.*
4. **Lock/Unlock (A&B):** Press the "LOCK button" for three seconds until the lock icon disappears from the display to enter into the programming mode. Press it again for three seconds to return to the lock mode.
5. **Channel UP (A&B):** Use to scroll up the 1-12 available channels.  
*Note: The receiver must be unlocked for channel selection.*
6. **Channel DOWN (A&B):** Use to scroll down the 1-12 available channels.  
*Note: The receiver must be unlocked for channel selection.*
7. **ON/OFF Audio Level Control (A&B):** Turn control knob clockwise to turn the receiver ON and to increase the audio input level, turn the control knob counter clockwise to turn the receiver OFF and to decrease the audio input level.
8. **MP3/USB Player:** MP3 player with USB port.
9. **LCD Display:** Displays basic information including, total number of songs, individual song the player is playing, song timer, mode and if the USB is inserted and ready to start. *\*\*Please see detailed diagram on page 8.*
10. **Mode:** Six selectable presets for customized listening mode: including Normal, Pop, Jazz, Rock, Classic and R&B.
11. **USB Connector:** Insert USB Flash Drive with pre-recorded material for playback.  
*Note: Only insert/unplug the USB flash drive when the MP3/USB player is OFF otherwise damage may occur.*
12. **Play/Pause:** Press once to start playing a music file, press once to pause and press again to continue playing.
13. **MP3 Player ON/OFF/Volume Control:** Turn control knob clockwise to turn the MP3 player ON or to increase the volume level. Turn the control knob counter clockwise to turn the MP3/USB player OFF or to decrease the volume level.
14. **Skip Reverse:** Press once to skip a song and go back to the previous song played.
15. **Skip Forward:** Press once to skip a song and go forward to the next song to be played.
16. **Master Tone Control:** Turn control knob clockwise / counterclockwise to adjust the equalization of frequencies used in the audio signal. This allows listeners to adjust the sound for their personal preference.
17. **Line-In Input Jack Level Control:** This controls the volume input level to the device plugged into the Line-In Input Jack (18). To adjust, turn clockwise to increase the input volume level and turn counterclockwise to decrease the volume input level.
18. **Line-In Input Jack:** The mono 3.5mm jack accepts audio devices that have a line-level output, including MP3 players, iPod and CD players. The volume input level is controlled by the Line Volume Control (17).
19. **Wired Mic-In Input Jack Level Control:** This controls the volume input level from the wired microphone plugged into the Mic-In Input Jack (20). To adjust, turn clockwise to increase the input volume level and turn counterclockwise to decrease the volume input level.
20. **Wired Mic-In Input Jack:** The mono 1/4" jack accepts wired low impedance dynamic microphones. The volume input level is controlled by the MIC Volume Control (19).  
*Note: This input does not provide phantom power.*
21. **Master Power ON/OFF:** Controls main power to unit.
22. **Master Volume Control:** Controls overall volume level of speaker and the Alert Signal (24).
23. **Line-Out Output Jack:** The mono 3.5mm jack provides line-level audio to a secondary powered speaker or audio devices having a Line-In Input jack.  
*Note: To daisy chain multiple systems (make sure the power is OFF before making any connections), plug one end of the speaker cable into the LINE OUT of the primary (MASTER) speaker and plug the other end of the cable into the LINE IN of the secondary (SLAVE) speaker. Adjust the MASTER VOLUME CONTROL and LINE-IN INPUT control to the MAXIMUM setting on ALL secondary (SLAVE) speakers so the primary (MASTER) speaker has full volume control over the entire system. It is best to power on the primary (SLAVE) speaker first, followed by the secondary (SLAVE) speakers in sequence order. To power off, reverse the sequence so the primary (MASTER) speaker will be turned off last.*
24. **Alert Signal:** Press and hold to activate the alert signal. Adjust the volume with the Master Volume Level (22), release button to deactivate.  
*Note: Always set the Master Volume Control (22) to the minimum setting before using!*
25. **Power Supply / Charging Jack:** Plug the supplied 18V AC adapter (ARG-PS004) to supply continuous power or to recharge the Lithium Battery Pack for portable use.

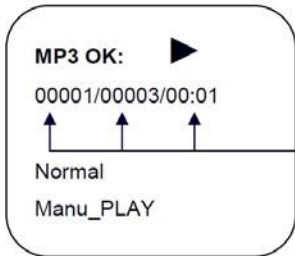
### MP3/USB Player LCD Display Detail:



MP3/USB Player power is on but no flash drive is inserted into the player.



MP3/USB Player power is on and the flash drive is inserted into the player but is not playing.



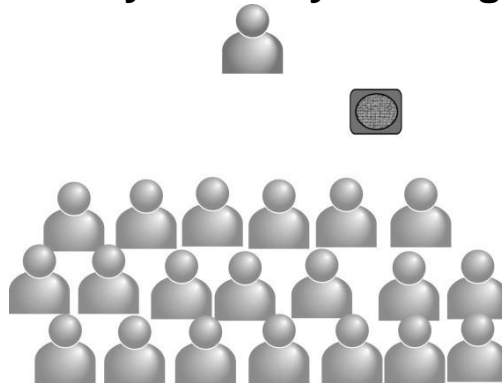
MP3/USB Player power is on and the flash drive is inserted into the player and the music is playing.

00001 - Folder number of file being played

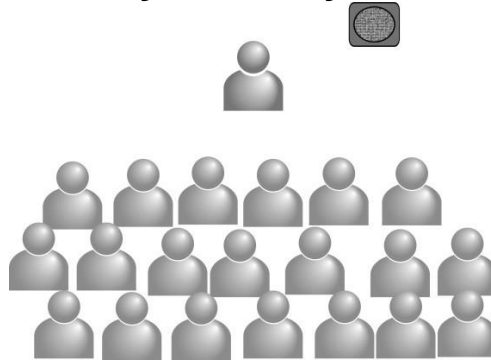
00003 - Number of the file in that folder

00:01 - Timer for file being played.

### Correct System Layout Diagram



### Incorrect System Layout Diagram





# **ARG-VA30S VoiceAmp® SpeakEasy™ QUICK USE GUIDE:**

## **1. Getting Started:**

The VoiceAmp® SpeakEasy™ can operate on either AC or battery power. To use AC power, plug the ARG-PS004 switching power supply/battery charger to the power supply/charging jack “DC 18V/3A” located on the back of the speaker. Plug the other end into a 110-125 VAC outlet and push the Master Power ON button.

When battery operation is needed, you will need to fully charge the installed lithium battery pack before using. To charge, plug the ARG-PS004 switching power supply/battery charger to the power supply/charging jack “DC 18V/3A” located on the back of the speaker and plug the other end into a 110-125 VAC outlet. The charging cycle will take approximately 4-5 hours. The Charge LED indicator on the lower left of the back panel will illuminate solid green during the charge cycle, once the battery is fully charged the (solid green) charge LED indicator will shut off. The speaker can operate for 10+ hours on a fully charged battery. When battery capacity is low, the Charge LED indicator will illuminate red and begin flashing, indicating that there is approximately 1 hour of operation remaining before the system shuts down. There is also an LED indicator in the window of the Infrared Sensor to indicate when the battery is charging (solid green) and when the low battery condition exists (flashing red).

**Note:** Battery removal must be done by a factory trained professional.

**Note:** Battery life is directly related to the volume level; the louder the level, the higher the current consumption resulting in less operation time.

**Note:** The battery charging cycle will not activate if the Master Power Button is in the “ON” position; the Master Power Button must be set to the “OFF” position to charge the lithium battery pack.

## **2. Correct System Set-up:**

- a. For the best possible coverage and to produce balanced audio for the entire audience, face the speaker toward the center of the crowd, and elevate above audience using a speaker stand (ARG-TP1 or ARG-TP2).  
**Note:** If possible, place speaker a minimum of 3' above the floor and at least three feet away from walls or metal objects.
- b. To reduce the risk of feedback, position the speaker between the crowd and presenter.
- c. The presenter should always be positioned behind the speaker and as far away from the speaker as possible while maintaining signal strength.
- d. Line-of-site in between the transmitter and speaker is best; remove all obstructions if possible.
- e. Never point the microphone directly toward the speaker.
- f. If you encounter interference, change the sound system to a different channel.
- g. Avoid placing the speaker near large metal objects; neon and florescent lighting; electric motors; or other electronic equipment if possible.

## **3. Set all level controls to minimum before turning the system on.**

## **4. Push the Master Power ON/OFF in to turn the power on.**

## **5. Choose audio source(s):** *Note: Multiple input sources can be used simultaneously.*

### **5A. ARG-RX900MOD Wireless Receiver(s):**

- a. Rotate the ON/OFF Audio Level Control clockwise to turn on the receiver/s; set at 1/3 level (10:00 o'clock position).
- b. Confirm the channel number matches the channel number of the transmitter/s.  
**Note:** When using two transmitters simultaneously they must be set to different channels.  
**Note:** The receiver “CH-A” is factory set to channel 1  
**Note:** The receiver “CH-B” is factory set to Channel 12.
- c. Slowly rotate the “master volume level” clockwise to adjust the volume to a comfortable level.
- d. Rotate the “master tone control” clockwise to an acceptable level.

### **5B. Mic-In Input:**

- a. Plug a wired dynamic microphone into the ¼” Mic-Input Jack located on the back of the amplifier.  
**Note:** If there is an on/off switch located on the microphone make sure to turn it **ON**.  
**Note:** The Mic-In Input does not supply phantom power.
- b. Slowly rotate the “Mic-Volume Control” clockwise to adjust the level of the wired microphone.

### **5C. Line-In Input:**

- a. Plug audio cable from an iPod, MP3 Player, CD player or other audio source into the mono 3.5mm jack on the back of the amplifier.
- b. Slowly rotate the “Line-Volume control” clockwise to adjust the level of the audio source.

### **5D. USB/MP3 Player:**

- a. Insert USB flash drive into USB port.
- b. Push >|| button to start play.
- c. Slowly rotate the “ON/OFF Volume Control” clockwise to adjust the level of the audio.
- d. Push the “mode” button to choose between six selectable presets for customized listening mode. These include Normal, Pop, Jazz, Rock, Classic and R&B.
- e. Push the >|| button to pause playing.
- f. Push the > button to skip forward.
- g. Push the < button to skip back.

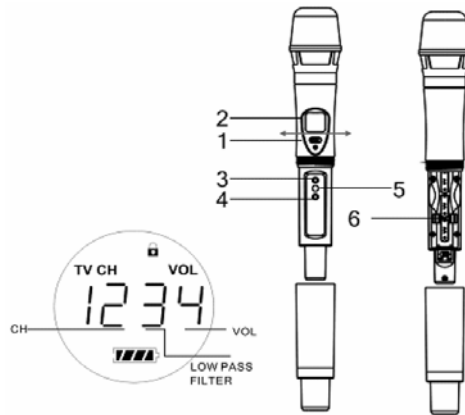
## **6. Rotate the Master Volume Control clockwise to adjust overall volume level of all input options.**

**Note:** The volume level can also be adjusted with the remote control (ARG-RC1) (not included in all models).

## **7. When finished push the “Power” button to turn off and rotate all of the input level controls counterclockwise to their minimum settings.**

# 900MHz Digital Handheld Transmitter

Model Number ARG-TX900HH



1. **ON/OFF:** Main power control.
2. **LCD Display:** Displays basic information including: channel number, volume, battery level, low pass filter setting and the lock/unlock status.
3. **Lock/Unlock:** Press the “LOCK button” for three seconds until the lock icon disappears from the display to enter into the programming mode. Press it again for three seconds to return to the lock mode.
4. **(-):** Use to scroll down the 1-12 available channels. Note: transmitter must be in the unlock mode (3) for channel selection.
5. **(+):** Use to scroll up the 1-12 available channels while the transmitter is in the “unlock” mode (3) for channel selection.
6. **Battery Compartment:** Holds three AA disposable alkaline batteries (ARG-BCAA).
7. **Microphone Gain:** To increase the gain, press the channel + (5) to choose between setting 0-9 while the transmitter is in the “lock” mode (3). The factory default setting is 3, therefore every time the ON/OFF (1) is cycled off, the gain will default back to 3 when the ON/OFF (1) is cycled on again.
8. **Low Pass Filter:** To decrease unwanted high-frequency signals which cause hissing and background noise, press the (-) while the transmitter is in the lock mode to adjust the level of filtering from (1-8). (*1 being the lowest filter setting and 8 being the highest filter setting*). The display area will go blank once you scroll past 8, which indicates the filter is disabled. The system will automatically start at 1 once you scroll past the blank screen.

**Note:** A low-pass filter is a filter that passes low-frequency signals but attenuates signals with frequencies higher than the cutoff frequency. The purpose of adding this into design is to block high pitches which cannot be efficiently broadcast.

## ARG-TX900HH Transmitter – Quick User Guide

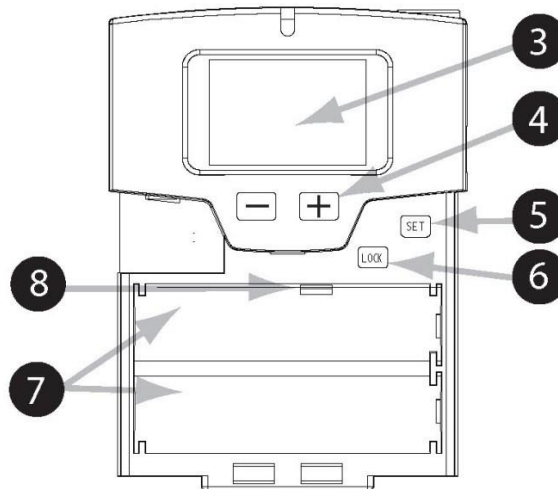
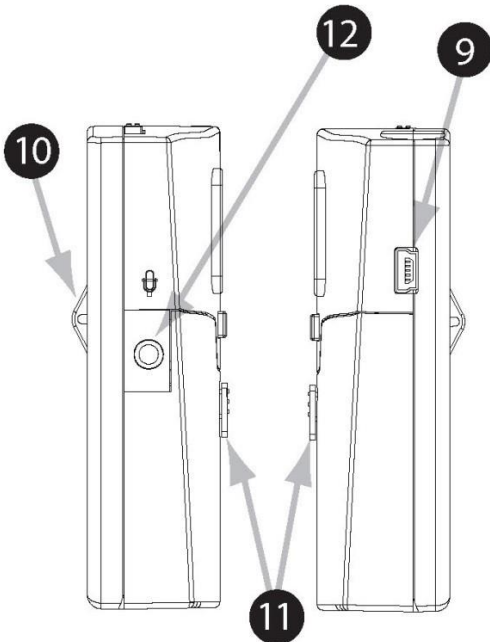
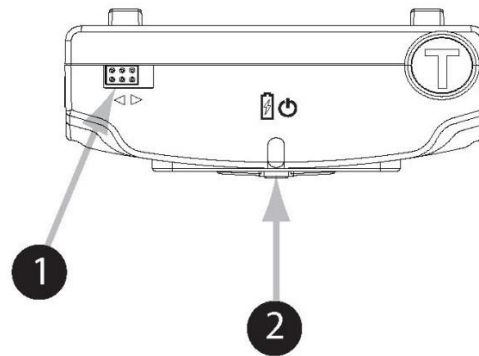
1. Locate and unscrew the battery compartment cover (*This is the bottom portion of the microphone housing*).
2. Install (3) AA batteries by pressing them into place while observing the proper battery polarity. The microphone will not work if the batteries are incorrectly installed.  
**Note:** Incorrect insertion may cause both mechanical and electrical damage not covered by the warranty.  
**Note:** Use only alkaline batteries. Do not use general purpose batteries. Do not mix new and used batteries.
3. Turn the power switch to “ON” position, the LCD backlight will appear.
4. Adjust the Microphone Gain setting and the Low Pass Filter setting, if needed.
5. Adjust the channel number to match the channel number on the receiver.  
**Note:** When using two transmitters simultaneously, the transmitters must be set to different channels.
6. Replace the battery cover and hand tighten.
7. Maintain line-of-site operation with the speaker, if possible.  
**Note:** The transmitter and speaker should be as close as possible to each another but no closer than three feet.
8. When finished using, slide the “ON/OFF” switch to the “OFF” position.  
**Note:** Replace batteries when the battery level gauge is empty. Repeat steps 1, 2, and 4.  
**Note:** For extended periods of storage, remove batteries to eliminate possible leakage.

# 900MHz Digital Bodypack Transmitter

Model Number ARG-TX900BP

## TRANSMITTER PRODUCT FEATURES

- 1 Power ON/OFF Switch
- 2 ON/Low/Charging Indicator LED
- 3 Liquid Crystal Display (LCD)
- 4 Channel/Volume +/- Buttons
- 5 Set Button
- 6 Lock/Unlock Button
- 7 Battery Compartment
- 8 ALK/NiMH Selector Switch
- 9 USB Power/Charging Port
- 10 Belt Clip
- 11 Battery Door Latch
- 12 3.5mm Audio Input Jack



## Operating Instructions: ARG-TX900 Transmitter

1. Before installing batteries, determine if they are carbon zinc, heavy duty, alkaline or rechargeable. Open the battery compartment door and locate the "ALK/NiMH" switch. If using carbon zinc, heavy duty or alkaline batteries slide the switch to the "ALK" position; if using NiMH rechargeable batteries; slide the switch to the "NiMH" position.
2. Install (2) AA style batteries by pressing them into place, observing the proper battery polarity. Incorrect insertion may cause both mechanical and electrical damage not covered by the warranty. Units will not work if the batteries are incorrectly installed.
3. Plug the microphone into the 3.5mm audio input jack located on the left side of the transmitter housing. Do not bunch up the cord, wrap it tightly around your body or wrap it around the transmitter. Use only Talk & Listen® approved microphones; substitutions can greatly affect the overall performance therefore causing poor audio quality.
4. Turn the power switch on top of the Receiver to "ON". The LCD backlight will turn on and remain on until the power is turned off. The LED will turn orange indicating the power is on; red flashing indicates low battery and solid red indicates the battery is charging.
5. Confirm that the channel number on the transmitter matches the number on the receiver(s). To adjust the channel number, open the battery compartment door and locate the "LOCK" button; press and hold it for three seconds to unlock the transmitter. The "LOCK" icon on the LCD display will disappear once the unit is unlocked. Use the "-" button on the front panel to scroll through the channels and choose the appropriate channel. When completed, press and hold the "LOCK" button for three seconds to relock the transmitter, the "LOCK" icon will reappear on the display. Close the battery compartment door. The channel numbers range from 1-12 and are located on the left side of the LCD display.
6. To temporarily silence the transmitter during use, press and hold the "-" button until the "signal strength meter" on the LCD display disappears: this indicates the audio has been muted. Repeat the process to restore the audio signal and the "signal strength meter" on the LCD display reappears.
7. When using the line input for auxiliary equipment (such as CD player or iPOD), turn the "Gain Control" off.
8. **Low Pass Filter:** To adjust, open the battery compartment door and locate the "LOCK" button, press and hold it for three seconds to unlock the transmitter. The "LOCK" icon on the LCD display will disappear once the unit is unlocked; locate the "+" button under the LCD display and press to adjust the low pass filter setting. When completed, press and hold the "LOCK" button for three seconds to relock the transmitter, the "LOCK" icon will reappear on the display, close the battery compartment door. The low pass filter settings range from 1-8; increasing the filter setting decreases unwanted high frequencies while maintaining an acceptable audio range. The display number will go blank after you scroll past "8" which indicates the low pass filter is turned completely off. The number located on the right side of the LCD display is the low pass filter setting. The factory setting is "2".
9. **RF Level Adjustment:** To adjust, make sure the transmitter is turned off; open the battery door, press and hold the "SET" button and simultaneously turn the transmitter ON to enter into the RF Level Programming mode. There are 4 individual RF level settings. The signal meter icon on the LCD display is used to indicate the current programmed RF level. Settings are +3dBm (1 signal bar); +6dBm (2 signal bars); +9dBm (3 signal bars); and +13dBm (4 signal bars-the highest RF Level Setting). Press the "SET" button to scroll through and select the RF level setting. When finished, close the battery door and turn the transmitter OFF to exit programming mode. The factory setting is 4 signal bars; the highest setting.
10. When finished using Transmitter, make sure to power off.

## **ARG-VA30S VoiceAmp® SpeakEasy™ Troubleshooting Guide**

- a. Thoroughly read the operation manual carefully to verify proper setup and installation of your system before using.
- b. Make sure the batteries are fresh or completely charged and the plus (+) and minus (-) terminals are installed correctly.
- c. Make sure the transmitter and receiver are set to the same channel.
- d. If using two wireless systems simultaneously, make sure one system (1 transmitter and 1 receiver) is set to a matching channel and the second system (1 transmitter and 1 receiver) is set to a matching channel that is different than the system one channel.
- e. If feedback (*a high pitch squealing sound*) occurs:
  - Immediately move the microphone away from the speaker.
  - Reduce the master volume level on the speaker.
  - Reduce audio level of input device/s.
  - Reduce the microphone gain setting on the transmitter.
  - Move the microphone to the side and behind the speaker. NEVER use it directly in front of the speaker.
  - Point the microphone away from the speaker.
- f. No Sound and Power Indicator is OFF:
  - Turn the power switch to ON and the Power Indicator should illuminate.
  - Batteries are low or empty. Charge the rechargeable batteries.
  - The small DC power cord from the in-line power supply is not plugged in to the jack on the back of the speaker or the in-line power supply is not plugged into the AC power outlet.
  - AC power is not present from the AC outlet.
- g. No Sound and the Power Indicator is ON:
  - Check the audio source output level control(s).
  - Turn up the master volume control.
  - Check to make sure any audio cables are plugged in properly.
  - Confirm the transmitter switch is ON.
  - Transmitter and speaker are not on the same channel.
  - The transmitter batteries are weak or dead and need to be replaced.
  - Using the ARG-TX900BP transmitter, make sure the microphone is plugged into the microphone input jack located on the side of the transmitter.
  - If the problem continues, cycle the transmitter power OFF and then ON again.
- h. Charge Indicator Not ON:
  - The small DC power cord from the in-line power supply is not plugged in to the jack on the back of the speaker or the in-line power supply is not plugged into the AC power.
  - The Master Power button is not in OFF position.
  - AC power is not present at the AC outlet.
  - The AC power supply has failed (*call ARG for replacement*).
- i. Shortened Battery Life:
  - Batteries are not fully charged and need to be completely charged.
  - If battery life continues to diminish prematurely, the speaker needs to be returned to the factory for battery replacement.
- j. Noisy and/or Distorted Sound:
  - Transmitter audio gain level is too high.
  - Input level control(s) is too high.
  - Master volume level is too high.
  - Batteries may be weak and need to be changed or charged.
  - Two transmitters might be operating on the same channel or using incompatible channels, locate the extra transmitter and turn it off or change channels and retest.
  - Turn off the transmitter(s), if you still hear interference, change to a clear channel.
  - If the problem continues, cycle the transmitter power OFF and then ON again.
- k. Momentary Loss of Sound (dropouts):
  - Transmitter and speaker antennas are not in line-of-sight or they are too far apart; reposition both units if possible so they are visible to each other and/or closer together. Attach the included rubber ducky antennas and position them at 45 degree angles opposite of each other to extend the range.
  - Select a different channel.
  - Reposition if either the transmitter or speaker are located close to large metal objects, or other types of wireless electronics or lighting equipment.
  - If the problem continues, cycle the transmitter power OFF and then ON again.
- l. Excess Hum or Noise:
  - All audio input cables should be shielded cables.
  - If the problem continues, cycle the transmitter power OFF and then ON again.

## **ARG-VA30S VoiceAmp® SpeakEasy™ Technical Specifications**

Rated Power Output	30 Watts CLASS D
Max SPL @ Rated Power	90dB @ 1 meter
Frequency Response	60 Hz – 18 kHz
Switch Power Supply/Battery Charger	INPUT 100Vac-240Vac, 50/60Hz 1.5A-0.9A OUTPUT: 18V – 3A
Built-In Battery	14.8V 3000mAh Polymer Lithium Battery Pack
Dimensions	7-5/8" (W) x 7-1/2" (H) x 6-3/8" (D)
Weight	6 lbs

### **Inputs/Outputs**

Line-IN	Mono 3.5mm jack accepts audio devices that have a line-level output including MP3 players, iPODS and CD players
Mic-IN	Mono 1/4" jack accepts wired low impedance dynamic microphones
USB Player	Supports MPEG audio 1, 2 and 2.5; supports layer 1, 2, and 3
Line-OUT	Mono 3.5mm jack provides line-level audio to secondary powered speaker or audio devices having a line-In Input jack.

### **Wireless 900 MHz Transmitters - ARG-TX900BP & ARG-TX900HH**

Frequency Range	902 MHz – 928 MHz
Frequency Response	20 Hz – 15 kHz
Output Power	10dBm
Mute	Auto when signal lost
Frequency Space	2MHz
S/N Ratio	80dB
Channel Number	CH01 – CH12
Audio Sampling	32KHz
Modulation	QPSK
Audio Input	Mic-IN/Line-IN (ARG-TX900BP)
Battery	2 X AA, Alkaline Battery (ARG-TX900BP) 3 X AA, Alkaline Battery (ARG-TX900HH)

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

### **COMPLIANCE**

ARG-TX900BP and ARG-TX900HH are authorized by rule under the Low Power Radio Service (47 C.F.R. part 95) and must not cause harmful interference to TV reception or United States Navy SPASUR installations. You do NOT need an FCC license to operate this transmitter.

This transmitter may only be used to provide: auditory assistance to persons with disabilities; persons who require language translation; or persons in educational settings; healthcare service settings; healthcare services to the ill; law enforcement tracking services under agreement with a law enforcement agency; or automated maritime telecommunications systems (AMTS) network control communications. Two-way voice communications and all other uses not mentioned above are expressly prohibited.

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.



# Audio Resource Group

*Improving Communication Through Sound Technology*

## Warranty Statement

Audio Resource Group, Inc. (ARG) develops, designs and distributes only high quality products that will provide users with many years of trouble-free service. Some of the products we distribute are sold exclusively by ARG. The following Warranty Statement defines the warranty periods for each product line and model of equipment distributed by Audio Resource Group, Inc.

### **Talk and Listen™ Systems**

ARG warrants the following transmitters and receivers (TX72BP, TX72M, TX900BP, TX900HH, TX900M, RX72BPS, RX72BPM, RX72BP, RX72M, RX900BP, RX900M) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase.

ARG warrants the following charging systems (CHGR12, CHR24) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase. Rechargeable batteries in the TX72M, TX900M, RX72M, and RX900M are warranted for 2 years. Power Supplies are warranted for 90 days.

All other parts and accessories are warranted for 90 days from date of purchase.

### **VoiceAmp® Portable Amplifiers**

ARG warrants the following VoiceAmp portable amplifiers (VA20WB, VA20T, and VA30SE) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase. Batteries for these listed products are warranted for two years from date of purchase.

All other parts and accessories are warranted for 90 days from date of purchase.

### **Fitness and Cardio Entertainment Products**

ARG warrants the following transmitters (ARG-CV-FMT, ARG-CV-900T, ARG-900AT, and ARG-CV-2.4T) to be free from defects in workmanship and material under normal use and conditions for four years from date of purchase.

ARG warrants the following receivers (ARG-CV-FMR, ARG-CV-900R, ARG-900AR, ARG-CV-2.4R and ARG-2.4R) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase.

ARG warrants the following personal viewing screens and accessories (ARG-PVS15LED, ARG-PVS19LED, ARG-PVSC) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase.

All other parts and accessories are warranted for 90 days from date of purchase.

The Warranty is only available to the original end purchaser of the product and cannot be transferred. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. ARG is not liable for consequential damages due to any failure of equipment to perform as intended.

The above stated warranty is exclusive and replaces all other warranties express or implied, including those of merchantability and fitness for a particular purpose. ARG will not be held liable for any other damages or loss including incidental or consequential damages and loss of profit or revenues from whatever cause including breach of warranty or negligence.

The terms of the warranty are governed by the laws of the state of North Dakota. This warranty, prices, and the specifications of products are subject to change without notice.

Revised 1/4/2017

# Repairs and Returns

If you are experiencing difficulty with your system please review the Troubleshooting section of your manuals and user guides for tips and techniques to correct your issues. If you continue to experience problems with your equipment, please call Audio Resource Group, Inc. (ARG) toll-free Customer Service Assistance number at (888) 468-4552.

If it is necessary to return your system for service, you must first be issued a Return Authorization Number (RMA) by our Customer Service Technician prior to sending the system to ARG. All returns must be prepaid by the sender (no freight collect shipments will be accepted). Make sure to clearly mark the RMA number on the outside of the package and ship to:

## **Ship To:**

Audio Resource Group, Inc.  
Attn: Repair Department  
405 Main Ave W Unit 3A  
West Fargo, ND 58078

## **Out-of-Warranty Repairs:**

We can service/repair most Out-of-Warranty products. These repairs will be charged in accordance with our Flat Rate Repair Schedule. Please contact your sales representative or customer service for a repair quotation under our Flat Rate Repair Schedule.

## **Repair Quotes:**

In some cases, if your product is not listed on the Flat Rate Repair Schedule, we can provide you with a repair price based on an individual repair cost estimate.

## **Warranty Repairs:**

The ARG warranty period begins from date of purchase. Warranty is only available to the original end purchaser of the product and cannot be transferred. We will, at our option, repair or replace any part or product found to be defective in workmanship or material under normal use and condition. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect.

## **Returns for Credit:**

Items returned for credit, in "like new" condition (unopened, or original packaging intact), will be issued a full credit (minus applicable shipping charges). Items returned for credit after 30 days are subject to a restocking fee. We are unable to issue credit for any items after 90 days from the date of purchase. Additional fees or partial credit may occur due to missing or damaged items.

## **Ship To:**

Audio Resource Group, Inc.  
405 Main Ave W Unit 3A  
West Fargo, ND 58078  
Phone: (888) 468-4552 Fax: (888) 373-4819  
repairs@argaudio.com

ARG Repairs and Return policies, programs, and pricing are subject to change without notice.