AN-100
Owner's Manual
Important Safeguards

**CAUTION:** To reduce the risk of electric shock, do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

**WARNING:** To prevent fire or electric shock, do not expose this equipment to rain or moisture.

**AVIS:** Pour éviter les risques de choc électrique, ne pas enlever le couvercle. Aucun entretien de pièces intérieures par l'usager. Confier l'entretien au personnel qualifié.

**EXPLANATION OF GRAPHICAL SYMBOLS**

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 humans.

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.

**EXPLICATION DES SYMBOLES GRAPHIQUES**

Le symbole éclair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de “voltage dangereux” non isolé d'ampleur suffisante pour constituer un risque d'électrocution.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour la fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.

**DATE OF MANUFACTURE**

The date of manufacture of this Anchor Audio product can be determined by the seven or eight digit serial number code. The fifth and sixth digits from the right denote the year, the seventh digit (letter) from the right denotes the month (A=Jan, B=Feb, etc.) Example: "XD960083" states that the unit was manufactured in April of 1996. An "X" may or may not exist as the eighth digit (letter) and has no significance in the serial number or date code.
Thank you for choosing an Anchor Audio portable sound system. Our products incorporate state-of-the-art design and the finest quality of materials and workmanship. We’re proud of our products and appreciate the confidence which you have shown by selecting an Anchor system.

I hope you’ll take a few of minutes to review this manual. We’ve incorporated several unique features into our products, and your knowledge of how to use them will enhance the performance and your enjoyment of the system.

David Jacobs, President on behalf of all Anchor employees

Quick Use Guide

The AN-100 monitor is used to amplify the signal from a microphone, electronic musical instrument or line-level sources (cassette, CD, VCR, etc). You’ll need a connection cable and an AC outlet.

Here’s how easy it is to use:

1. Place the AN-100 at desired location.
2. Set volume control on front of speaker to minimum before turning on the power.
3. Plug the power cord into a grounded 115 volt outlet (220 volt outlet for export model).
4. Plug a microphone into the MIC input jack, or an audio source into the INST or LINE 1 / LINE 2 jacks.
5. Turn the power switch on the rear panel “ON” (the red LED on front panel should light).
6. Adjust the volume, bass and treble controls. for desired sound.

To operate the wireless mic system on model AN-100W see “Wireless Operation” on pages 8 and 9. And for more detailed instructions, see the “Operation” section beginning on page 6.
**Getting Started**

**Inspection and inventory of your system**
Check unit carefully for damage which may have occurred during transit. Each Anchor product is carefully inspected at the factory and packed in a special carton for safe transport.

**Inventory**
- AN-100 powered monitor
- Warranty and registration card

*All damage claims must be made with the freight carrier.*

Notify the freight carrier immediately if you observe any damage to the shipping carton or product. Repack the unit in the carton and await inspection by the carrier’s claim agent. Notify your dealer of the pending freight claim.

**Returning your unit for service or repairs**
Should your unit require service, contact your dealer or our Customer Service Department at (310) 533-5984 to obtain a Return Authorization (RA) number. All shipments to Anchor must include an RA number and must be shipped prepaid. *C.O.D. shipments will be refused and returned at your cost.*

**Warranty registration**
Please fill out the warranty card and return it with a copy of your invoice to Anchor’s Customer Service Department. This will activate your limited two year warranty.
Feedback Information

What causes feedback?
Feedback is a ringing, howling, or shrill sound that is self-generated by the sound system. It is the result of sound from the speakers being picked up by the microphone(s) in use and then re-amplified by the system. This can form a self-sustaining loop that can damage the sound system if allowed to continue.

How to prevent feedback
ALWAYS STAND BEHIND THE SPEAKER WHEN USING A MICROPHONE.

CAUTION: Feedback can damage your equipment and may be hazardous to your hearing. To avoid feedback, always make sure volume controls are at minimum before turning unit on. If feedback occurs, immediately reduce the volume.
Operating the sound system

1. Place the AN-100 at desired location.
2. Set volume control on front of speaker to minimum before turning on the power.
3. Plug the power cord into a grounded 115 volt outlet (220 volt outlet for export model).
4. Plug a microphone into the MIC input jack, or an audio source into the INST or LINE 1 / LINE 2 jacks.
5. Turn the power switch "ON" (the red LED on front panel should light).
6. Adjust the volume, bass and treble controls for desired sound.
Operation

**Line Inputs (summing)**
The line-level RCA input jacks may be used with audio sources like computers, VCR’s, and cassette tape or compact disc players.

The inputs may be used for two separate sources, or they may be used to sum L+R stereo outputs to a mono signal without the need for adapters.

**Mic Input**
An unbalanced, low impedance microphone input. For use with the MIC-90P or other mics that have a 1/4" phone plug.

**Instrument Input**
The instrument input (1/4"-phone jack) is for guitars, keyboards or any instrument with an electronic transducer. It may also be used for wireless microphone receivers. The instrument input has a higher sensitivity than the line input.

**Note:** All connections must be made with shielded cable to avoid hum, buzzing, or radio interference.
Setting up the wireless system

Set the frequency of the receiver.
The wireless receiver is mounted inside the AN-100. The control panel will have the label shown below, which allows access to the frequency selection switch.

1. Set the frequency of the receiver to either of the two channels, F1 or F2.
   
   *If you experience ongoing interference problems with your wireless system, the selected frequency may be incompatible with other RF systems in your area. Try the other channel.*

Set the frequency of the transmitter.
During use, make sure the transmitter you are using is set to the same frequency as the receiver as set above.

   HANDHELD: Set the frequency switch inside the battery compartment to match the channel of the receiver. Replace the cover—*but don’t overtighten!*

   BODY-PACK: The power/frequency switch on the transmitter determines the frequency. During use, set the switch to match the frequency of the receiver.
Wireless Operation

Replacing the transmitter battery

*Note:* The transmitter power switch must be in the OFF position!

HANDHELD: Unscrew the battery compartment cover on the lower end of microphone. Install a fresh ‘AA’ alkaline battery and replace the cover.

BODY-PACK: Open battery cover on the side of the transmitter box and insert a fresh 9 Volt alkaline battery. Close the cover.

![Battery insert illustration]

Operating the wireless microphone system

1. If you are using the bodypack transmitter, insert the plug from the mic into the jack marked "MIC" on the transmitter.
2. Set volume control on the front of the AN-100 to minimum.
3. Switch the handheld transmitter to ON, or the body-pack transmitter to F1 or F2 frequency as determined on page 8.
4. Turn the AN-100 power switch ON.
5. Adjust the volume control to desired volume.

*Caution:* Harmful feedback may occur when walking in front of a sound system or speaker with a wireless microphone. Always point mic away from speakers.
Accessories

SB-1 Swivel Stand Mounting Bracket
The SB-1 bracket can be used to mount the AN-100 to a wall, ceiling or on a speaker stand (stand adapter included).

MSB-201 Combination Mic/Speaker Stand
Floor stand with 33" adjustable boom. Doubles as speaker stand when combined with SB-1 mounting bracket.

SB-3 Swivel Wall Mounting Bracket
Used for mounting the AN-100 to the wall or ceiling.

SB-360 Swivel (360°) Wall Mounting Bracket
Used for mounting the AN-100 to the wall or ceiling.

RM-1 Single Rackmount Kit
RM-12 Dual Rackmount Kit
Rackmount kits allow mounting of AN-100 monitors in a standard equipment rack, three spaces high (5-1/4"). The rackmount kits are adjustable (front/back), and include mounting hardware. Color: satin black.

MIC-90P Handheld Microphone
Anchor’s dynamic, balanced, low impedance microphone with a unidirectional pick-up pattern. Comes with a 20' cable with 1/4”-phone plug and mic clip.

SS-250 Speaker Stand
Adjustable stand made of black, anodized aluminum.

CC-100 Carry Bag
Cordura nylon bag with storage compartment for AN-100.

AK-100 Accessory Kit for AN-100
Includes MIC-90P microphone, CC-100 bag, MSB-201 mic/speaker stand and an SB-1 mounting bracket.
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Rated power output</td>
<td>25 watts continuous</td>
</tr>
<tr>
<td></td>
<td>45 watts dynamic</td>
</tr>
<tr>
<td>Sensitivity for rated output</td>
<td></td>
</tr>
<tr>
<td>Line</td>
<td>-20 dBV (100 mVrms)</td>
</tr>
<tr>
<td>Microphone</td>
<td>-43 dBV (7.5 mVrms)</td>
</tr>
<tr>
<td>Instrument</td>
<td>-30 dBV (30 mVrms)</td>
</tr>
<tr>
<td>Frequency response</td>
<td>65 Hz – 18 kHz ± 3dB</td>
</tr>
<tr>
<td>Max SPL @ rated power</td>
<td>101 dB @ 1 meter</td>
</tr>
<tr>
<td>Speaker type</td>
<td>4.5 inch woofer, 10mm dome tweeter</td>
</tr>
<tr>
<td>Inputs</td>
<td></td>
</tr>
<tr>
<td>Line inputs (2)</td>
<td>Hi-Z, unbalanced, RCA (summing L+R)</td>
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<tr>
<td>Microphone input</td>
<td>Lo-Z, unbalanced, 1/4&quot;-phone</td>
</tr>
<tr>
<td>Instrument input</td>
<td>(3k), unbalanced, 1/4&quot;-phone</td>
</tr>
<tr>
<td>AC Power requirements</td>
<td>110 - 125 VAC, 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>208 - 240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>(50 watts max)</td>
</tr>
<tr>
<td>Dimensions (HWD)</td>
<td>5.25 x 8.4 x 9&quot;, 13 x 21 x 23 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>8.5 lbs, 3.8 Kg</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice.
Having trouble with the sound system?

**Condition** | **Possible Solution**
---|---
No sound (power LED not lit): | • turn POWER switch on
 | • plug in power cord
No sound (power LED lights): | • check for output from source
 | • make sure all cables are completely plugged in
 | • increase volume control
Distorted sound: | • check input cable connection
 | • lower input signal level
Excessive hum or noise: | • use shielded input cable

**Having trouble with the wireless system?**

**Condition** | **Possible Solution**
---|---
No sound: | • confirm transmitter power switch is set to on
 | for handheld, F1 or F2 for body-pack
 | • turn up volume control
 | • plug microphone into body-pack transmitter
 | • turn sound system on
 | • replace mic/transmitter battery