

Troubleshooting Guide

Having trouble with the sound system?

Condition

No sound (power LED not lit):

Possible Solution

- turn POWER switch on
- plug in power cord
- check for blown fuse

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:

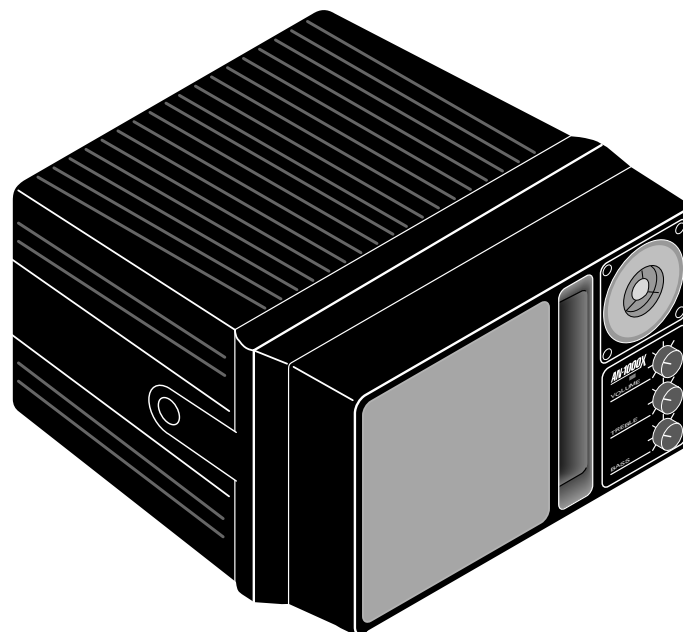
- use shielded input cable

Mic volume too low:

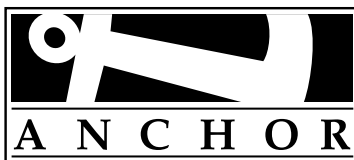
- set balanced input to mic-level

Blows fuse with auxiliary speaker:

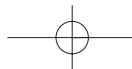
- shorted speaker cable

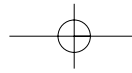


AN-1000X Owner's Manual



ANCHOR Audio, Inc. (310) 784-2300
100-0026-000 / Revision D, 06/97





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.



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

AVIS: Pour éviter les risques d'incendie ou d'électrocution, n'exposez pas cet article à la pluie ou à l'humidité.

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.

Specifications

General

Rated power output:	50 watts continuous 90 watts dynamic
Max SPL @ rated power:	103 dB @ 1 meter
Frequency response:	65 Hz – 20 kHz ± 3dB
Speaker type:	4.5 inch woofer with shielded magnet. 10mm dome tweeter, ferro-fluid cooled
Tone controls:	(bass) +8/-12 dB @ 100 Hz (treble) +10/-12 dB @ 10 kHz

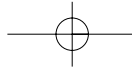
Inputs

Balanced input:	female XLR, switchable phantom power 15 volts DC @ 6.8 kΩ
Mic-level setting:	Lo-Z
Line-level setting:	Bridging (10 kΩ)
Line input:	Hi-Z, unbalanced, 1/4"-phone and RCA
Sensitivity for rated output:	
Balanced; mic-level setting:	-56 dBv (1.5 mVrms)
Balanced; line-level setting:	-18 dBv (125 mVrms)
Line:	-18 dBv (125 mVrms)

Outputs

Line output (post fader):	Lo-Z, buffered, RCA
Speaker output:	8Ω, unswitched, 1/4"-phone
AC Power requirements	110 - 125 VAC, 50/60 Hz 208 - 240 V~, 50/60 Hz (90 watts max)
Dimensions (HWD):	5¼ x 8¾ x 9", 3.3 x 21 x 23 cm
Weight:	9.5 pounds, 4.3 Kg.

Specifications subject to change without notice.



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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

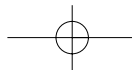
The AN-1000X is a powered speaker which allows you to monitor the signal from many types of input sources.

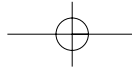
Here's how easy it is to use

1. Place the AN-1000X at desired listening location.
2. Plug the power cord into a grounded AC outlet.
3. Plug an audio source into one of the three input jacks on the back panel:
 - LINE IN; RCA jack
 - LINE IN; 1/4-inch phone jack
 - BALANCED INPUT; XLR jack (*see below)
4. Set the volume knob on front panel to minimum, then turn power switch on back panel ON (*the red LED on the front panel of the unit should light*).
5. Adjust the volume bass and treble for desired sound output.

* The BALANCED INPUT jack is set at the factory for microphone-level inputs with 15 volts DC phantom power. See page 7 for instructions on how to change the configuration of this input jack.

Problems?
Consult the troubleshooting section on the back page of this manual.





Getting Started

Save the shipping carton and packing materials. They were specially designed to ship your unit safely.

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-1000X powered monitor
- AC power cord.
- Warranty, Owner's Manual 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

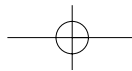
Should your unit require service, contact your dealer or our Customer Service Department at (310) 784-2300 to obtain a Return Authorization (RA) number. All shipments to Anchor must include an RA number and must be shipped prepaid. *C.O.D. shipments will be refused and returned at your cost.*

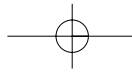
Warranty registration

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.



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Accessories

MIC-90 Handheld Microphone

Anchor's dynamic, balanced, low impedance microphone with a unidirectional pick-up pattern. It has an on/off switch and comes with a 20' cable and mic clip.

AN-1001X Companion Speaker

Unpowered speaker for use with the AN-1000X. It has a 1/4" -phone input jack and parallel input/output wire terminals. (Designed to accept Omnimount® 25-series mounting brackets) Speaker cable not included.

SS-250 Speaker Stand

Collapsible speaker stand. Rated load capacity 25 pounds. (Requires SB-1 bracket.)

SB-1 Stand Mounting Bracket

U-shaped swivel bracket. Mounts to a wall, ceiling or on a speaker stand (adapter included).

RM-1 Single Rackmount Kit

Mounts one AN-1000X in a standard equipment rack .

RM-12 Dual Rackmount Kit

Mounts two AN-1000X's in a standard equipment rack .

SC-50 Speaker Cable

Heavy duty 50' speaker cable.

Feedback Information

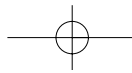
What causes feedback?

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.

To prevent feedback:

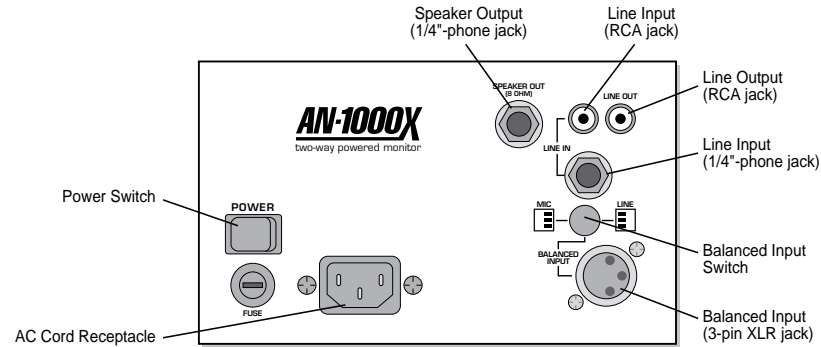
ALWAYS STAND BEHIND THE SPEAKER
WHEN USING A MICROPHONE.

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.*



Operation

AN-1000X Rear Panel



Operating the system

1. Place the AN-1000X at desired listening location.
 2. Plug the power cord into a grounded AC outlet.
 3. Plug an audio source into one of the three input jacks on the back panel:
 - LINE IN; RCA jack
 - LINE IN; 1/4-inch phone jack
 - BALANCED INPUT; XLR jack (*see below)
 4. Set the volume knob on front panel to minimum, then turn power switch on back panel ON (*the red LED on the front panel of the unit should light*).
 5. Adjust the volume bass and treble for desired sound output.
- * The BALANCED INPUT jack is set at the factory for microphone-level inputs with 15 volts DC phantom power. See page 6 for instructions on how to change the configuration of this input jack.

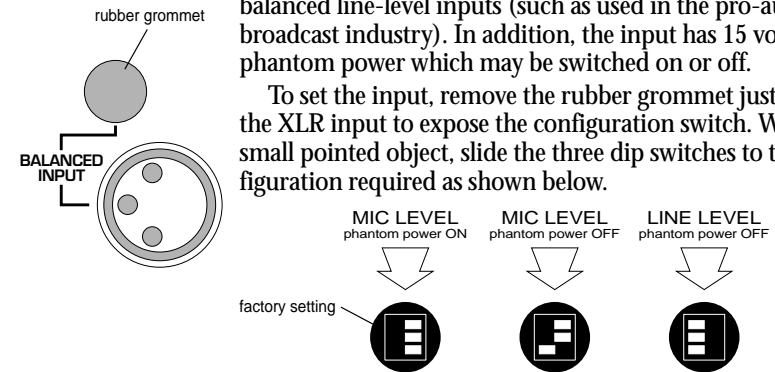
ALWAYS use shielded audio cables on all input connections to prevent interference

Operation

Balanced Input

The balanced XLR jack input allows the AN-1000X to be used in a variety of applications. The input can be configured by the user for use with Lo-Z microphone or bridging balanced line-level inputs (such as used in the pro-audio and broadcast industry). In addition, the input has 15 volt phantom power which may be switched on or off.

To set the input, remove the rubber grommet just above the XLR input to expose the configuration switch. With a small pointed object, slide the three dip switches to the configuration required as shown below.



Line Inputs

The line-level inputs (RCA and 1/4"-phone) may be used with input sources such as VCR's, cassette and CD players, musical instruments, computers, mixing consoles, etc. Both inputs may be used simultaneously on the AN-1000X—the volume control will control the composite program output.

Line Output

The line-level output provides a replica of the composite input signal. Use it for direct recording, or to daisy-chain additional powered sound systems to the AN-1000X for greater crowd coverage.

NOTE: All line-level connections must be made with shielded cable to avoid hum, buzzing or radio interference.

Speaker Output

The external speaker output jack (1/4"-phone, unswitched) allows the user to power an auxiliary unpowered speaker (such as the AN-1001X). The auxiliary speaker must have a minimum impedance of 8 ohms.

