



A Message from the President

Congratulations on purchasing an Anchor Audio Speaker Monitor, the choice of thousands of satisfied customers including the White House, prestigious universities, school districts nationwide, police and fire departments, and all branches of the U.S. Military. Our products are made of the finest materials and built with pride in the U.S.

We've incorporated the latest technology into your sound system yet kept it simple to use. Just take a few minutes to review this manual to ensure the maximum enjoyment of your Anchor system. Or, you can view a demonstration video complete with a trouble shooting section at www.anchoraudio.com.

Feel free to call our friendly customer support staff at 1-800-ANCHOR1 with any questions. We love to hear from our customers.

Janet Jacobs, President
on behalf of all Anchor employees

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GETTING STARTED

Please check your new unit carefully for any damage which may have occurred during shipment. Each Anchor product is carefully inspected at the factory and packed in specially designed boxes for safe transport. Notify the freight carrier immediately of any damage to the shipping box or product. Repack the unit in the original box and wait for inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

NOTE: All damage claims must be made with freight carrier!

RETURNING SYSTEMS FOR SERVICE OR REPAIR

For service or repair, please contact the dealer you purchased your system from, call us at 1-800-262-4671, or visit www.AnchorAudio.com, Contact Us page. Our tech support team will issue an RA number for warranted systems, after which, you can ship the item(s) to Anchor for repair. All shipments to Anchor Audio must include an RA number and must be shipped prepaid. C.O.D. shipments and shipments without an RA number will be refused and returned at your expense.

IMPORTANT: Save the shipping box & packing materials, they were specially designed to ship your unit!



SIX YEAR WARRANTY

BASIC SYSTEM OPERATION

The AN-1000X is the most versatile powered monitor on the market, is designed to amplify the signal from a wide variety of input sources. Use it on an A/V rack, as a studio monitor, in a trade show booth or on a US Navy warship, you decide.

Here's how easy it is to use:

1. Place the AN-1000X in desired 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
4. Turn volume control on front panel to minimum
5. Set power switch on back panel to ON
(red LED on front panel should light)
6. Adjust the volume, bass & treble controls to desired levels

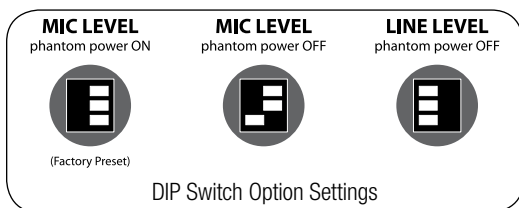
*BALANCED INPUT JACK

The balanced XLR input jack allows the AN-1000X to be used in a variety of applications. The input can be user configured for a 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.

The factory default setting is for microphone-level inputs with 15 volts DC phantom power. Follow the instructions below to change settings.

Change Balanced Input Jack Configuration

1. Set the three dip switches with a small pointed object



BACK PANEL OF AN-1000X

BALANCED INPUT

The balanced XLR input jack can be user configured for a Lo-Z microphone or bridging balanced line-level inputs. In addition it has 15 volt phantom power which can be switched on or off.

LINE OUT

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.

LINE IN

The line-level inputs (RCA & 1/4" phone) are used with input sources such as VCR's, CD players, musical instruments, computers, mixing consoles, etc. Both inputs can be used simultaneously with the AN-1000X volume knob controlling composite program output.

SPEAKER OUT

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

POWER SWITCH

FEEDBACK

Feedback is a howling noise or shrill sound that is self-generated by the sound system. It is caused by a microphone picking up the sound coming from the speaker and then being re-amplified. Once a feedback loop is started it will continue until the system is adjusted.

FEEDBACK CAUSES

- Microphone too close, pointing towards or in front of the speaker
- Volume setting too loud for room
- Sound reflections from hard surfaces, walls, etc.

AVOIDING & ELIMINATING FEEDBACK

- Point the microphone in a different direction
- Keep the microphone away from the speaker; position speaker in FRONT of microphone
- Reduce the sound system volume level

CAUTION: Feedback can damage your equipment & may be hazardous to hearing.



SIX YEAR WARRANTY

Important Safety Instructions

- 1) Read Instructions – All the safety and operation instructions should be read before the product is operated.
- 2) Retain Instructions – The safety and operating instructions should be retained for future reference.
- 3) Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
- 4) Follow Instructions – All operating and use instructions should be followed.
- 5) Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for the CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the product in the cleaning description otherwise in above 5).
- 6) Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7) Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8) Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9) A product and cart combination should be moved with care. Quick stop, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10) Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a build-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 11) Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12) Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. IF you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13) Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 14) Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
- 15) Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection of grounding electrodes, and requirements for the grounding electrode. See Figure A.
- 16) Lightning – For added protection this product during lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17) Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18) Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 19) Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20) Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21) Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or damaged in any way.
 - f. When the product exhibits a distinct change in performance – this indicates a need for service.
- 22) Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 23) Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operation condition.
- 24) Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 25) Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- 26) WARNING An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

AN-1000X+ Speaker Monitor Owners Manual

MADE IN USA



SIX YEAR WARRANTY

HAVING TROUBLE WITH YOUR SOUND SYSTEM?

CONDITION

No Sound (*Power LED Not Lit*)

POSSIBLE CAUSE

- turn POWER switch on
- plug in power cord
- check for blown fuse
- check for output from source
- make sure all cables are completely plugged in
- increase volume control
- check input cable connection
- lower input signal level
- use shielded input cable
- set balanced input to mic-level
- shorted speaker cable

No Sound (*Power LED Lights*)

Distorted Sound

Excessive Hum / Noise

Mic Volume Too Low

Blows Fuse w/ Auxiliary Speaker

ANCHOR AUDIO CUSTOMER SERVICE

800.262.4671

FOR ADDITIONAL INFORMATION

visit www.anchoraudio.com

AN-1000X+ TECHNICAL SPECIFICATIONS

Rated Power Output	50 watts continuous @ 4Ω	Bass	+8 – 12 dB @ 100 Hz
Max SPL @ Rated Power	107 dB @ 1 meter	Treble	+10 – 12 dB @ 10 kHz
Frequency Response	65 Hz – 20 kHz ± 3 dB	Inputs	
Speaker Type	4.5" woofer with shielded magnet, 10mm dome tweeter	Balanced	female XLR, switchable phantom power, 15 volts DC @ 6.8 kΩ
AC Power Reqs.	110 – 125VAC, 50/60 Hz, 75W Max	Mic-Level Setting	Lo-Z
Export Model	208 – 240VAC, 50/60 Hz, 75W Max	Line-Level Setting	Bridging (10 kΩ)
Fuse Rating	T 1.0A / 250V	Line	Hi-Z, unbalanced, 1/4"-phone & RCA
Export Model	T 0.5A / 250V (internally mounted)	Outputs	
Dimensions (HWD)	5.25" x 8.4" x 9" (13 x 21 x 23 cm)	Line (post fader)	Lo-Z, buffered, RCA
Weight	9.5 lbs / 4.3 Kg	Speaker	8Ω, unswitched, 1/4"-phone
Tone Controls		Sensitivity For Rated Output	
		Line	balanced -18 dBv (125 mVrms)
		Microphone	balanced -56 dBv (1.5 mVrms)
		Line	-18 dBv (125 mVrms)



(Specifications Subject to Change Without Notice)

Anchor Audio Warranty

Anchor Audio only warranties products sold by authorized Anchor Audio dealers. Anchor Audio is unable to repair products that are out of warranty. Please visit the Anchor FAQ page at <http://www.anchoraudio.com/anchor-faq.html> for more information on battery replacement options.

To locate an authorized dealer near you, please contact sales@anchoraudio.com. Anchor Audio products are warranted to be free from defects in materials and workmanship for the period of SIX (6) YEARS from the date of original purchase unless listed below:

1. All microphone and belt-pack transmitters shall be warranted for a TWO (2) YEAR period.
2. Batteries shall be warranted for a TWO (2) YEAR period.
3. PortaCom and ProLink 500 headsets and belt-packs shall be warranted for a TWO (2) YEAR period.
4. All woodworking shall be warranted for a TWO (2) YEAR period.
5. CouncilMAN and Assistive Listening Systems shall be warranted for a TWO (2) YEAR period.
6. All cases and covers shall be warranted for a TWO (2) YEAR period.



General Warning or Caution

The Exclamation Symbol in the figure above appears in Warning and Caution tables throughout this document. This symbol designates an area where personal injury or damage to the equipment is possible.



Electrical Shock Symbol

Electric Shock

The Electrical Shock Symbol in the figure above appears throughout this manual. This symbol indicates a hazard arising from dangerous voltage. Any mishandling could result in irreparable damage to the equipment, and personal injury or death.



Figure Protective Conductor Terminal Symbol

Protective Conductor Terminal

The Electrical Shock Symbol in the figure above appears throughout this manual. This symbol indicates a hazard arising from dangerous voltage. Any mishandling could result in irreparable damage to the equipment, and personal injury or death.



European Union CE Mark European Union CE Mark

The presence of the CE Mark on Anchor equipment means that it has been designed, tested and certified as complying with all applicable European Union (CE) regulations and recommendations.



Figure WEEE Directive Symbol

Waste Electrical and Electronic Equipment (WEEE)

This symbol on the product or on its packaging indicates that this product must not be disposed of with regular waste. Instead, it is the user responsibility to dispose of waste equipment according to the local laws. The separate collection and recycling of the waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For information about where the user can drop off the waste equipment for recycling, please contact your local Anchor representative. See Section for instructions on how to disassemble the equipment for recycling purposes.