

## A Message from the President

Congratulations on purchasing an Anchor Audio sound system, 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](http://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](http://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!



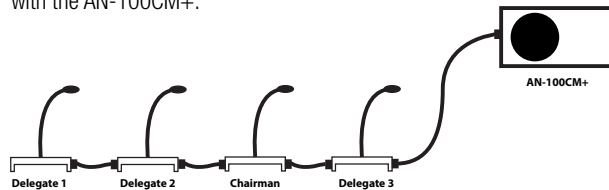
TWO YEAR WARRANTY

## WHAT IS COUNCILMAN?

CouncilMAN is a wired conference system that's simple to set up and easy to use. The main system components include:

- CHM-100 Chairman base
- DEL-100 Delegate bases
- Gooseneck microphones
- AN-100CM+ speaker/power console

Station to station connection is made using standard microphone cable with 3-pin XLR connectors. The AN-100CM+ provides power to each microphone base. Up to 11 microphone bases can be used with the AN-100CM+.



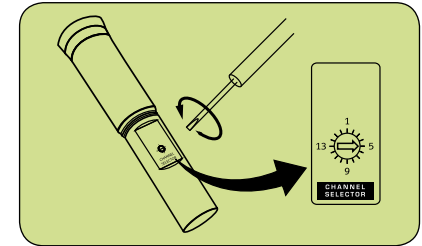
A typical four base conference system is illustrated here

## BASIC SYSTEM OPERATION

1. Place a microphone into each base
2. Daisy-chain all the microphone bases and the AN-100CM+ powered speaker. The speaker must be near a power outlet – plug in the AC cord.
3. Set the AN-100CM+ power switch to ON and volume knob to 12 o'clock
4. Push the microphone base MIC ON/OFF buttons once to talk, press again to turn off. When a microphone is live, its talk switch will be illuminated.
5. Adjust the microphone so it is near the mouth
6. Set volume controls on each base

**IMPORTANT:** When the conference system is powered up, all microphones wake up in the OFF condition.

## OPERATING THE WIRELESS MICROPHONE WITH AN-100CMU1+



## CHANNEL SELECTION - HANDHELD TRANSMITTER

1. Unscrew battery cover on bottom of microphone
2. Set the CHANNEL SELECTOR dial to match the channel setting of your receiver on the AN-100CMU1+
3. Replace the battery cover
4. Adjust volume on AN-100CMU1+ and begin speaking

## AN-100CM+ Powered Speaker



The AN-100CM+ can power up to one chairman and ten delegate microphones. The AN-100CM+ can be connected to either end of the daisy chain. When connected at an end, only one of the AN-100CM+'s XLR connectors will be occupied.

The AN-100CM+ also includes a 3.5mm standard Line In allowing audio from other sources to be played through the system. A 1/4" Line Out is provided for connection to a recorder or other device. The power switch, volume control knob and all input and output connectors are on the control panel on the rear of the speaker. The balanced XLR Line Out can be used to connect another Anchor system for larger crowd coverage or to the house system.

## CHM-100 and DEL-100 Microphone Bases

The microphone bases have a 3-pin XLR Input Jack and a 3-pin XLR Output Jack. Daisy chain the microphones in any order with the AN-100CM+ using the EX-4M (4 foot mic cable) or EX-25M (25 foot mic cable). Each base has a 3-pin XLR Female electret microphone jack

### CHM-100 Chairman Controls:

**MIC ON/OFF** – push once to Talk and push again to mute, LED lit when mic is live

**Rotary Volume** – adjustable volume for each user's voice level

**Mute Others** – press for several seconds to Mute All delegates in the conference system or the wireless module

### DEL-100 Delegate Controls:

**MIC ON/OFF** – push once to Talk and push again to mute, LED lit when mic is live. If the Chairman mutes all, the Talk/On/Off button must be pressed to have the mic go live.

**Rotary Volume** – adjustable volume for each user's voice level





TWO YEAR WARRANTY



### 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 Alternating Voltage Symbol

### Alternating voltage symbol

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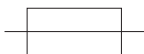


Figure Fuse Symbol

### Fuses

The fuse symbol in the figure above identifies the fuse location on the Anchor System. (Not required if not user replaceable)



Figure On Symbol

### On Symbol

The On Symbol in the figure above represents a power switch position on the Anchor System. This symbol represents a Power On condition.



Figure Off Symbol

### Off Symbol

The Off Symbol in the figure above represents a power switch position on the Anchor System. This symbol represents a Power Off condition.



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.

### Inspection for Damage

The Model Councilman is carefully packaged at the factory to minimize the possibility of damage during shipping. Inspect the box for external signs of damage or mishandling. Inspect the contents for damage. If there is visible damage to the instrument upon receipt, inform the shipping company and Anchor Inc. immediately.



### Inspection for Damage

Do not attempt to operate this equipment if there is evidence of shipping damage or you suspect the unit is damaged. Damaged equipment may present additional hazards to you. Contact Anchor technical support for advice before attempting to plug in and operate damaged equipment.

### Electrical Requirements

Before attempting to power up the unit for the first time, the following precautions must be followed:



### WARNING

To avoid electric shock, connect the instrument to properly earth-grounded, 3-prong receptacles only. Failure to observe this precaution can result in severe injury.

*Have a qualified electrician verify the wall socket that will be used is properly polarized and properly grounded.*

**Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture, apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

The apparatus connected to a main socket outlet with a protective earthing connection. For Nordic markings refer to copy of marking label.

The plug in the power cord is the AC mains disconnected device and must remain readily operable. – minimum distances around the apparatus for sufficient ventilation; the ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.; no naked flame sources, such as lighted candles, should be placed on the apparatus.

-Equipment may be located above or below this apparatus, but some equipment (like large amplifiers) may cause an unacceptable amount of hum or may generate too much heat and degrade the performance of this apparatus.



TWO 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.



TWO YEAR WARRANTY

## COUNCILMAN TECHNICAL SPECIFICATIONS

### AN-100CM+ Console Speaker

Rated Power Output	30 watts	Line In	3.5mm
Max SPL @ Rated Power	103 dB @ 1 meter	Line Out	Lo-Z, buffered, XLR and 1/4" Balanced
Frequency Response	65 Hz – 18 kHz ± 3 dB	Line Output Level	-20 dBV (100 mVrms)
Speaker Type	4.5" woofer, 10 mm dome tweeter Magnetically Shielded	Enclosure Material	ABS Plastic
AC Power Reqs.	100 – 240 VAC, 50/60 Hz	Dimensions (HWD)	5.25" x 8.4" x 9" (13 x 21 x 23 cm)
Fuse Rating	T 1.0A / 250V (internally mounted)	Weight	8.5 lbs / 3.8 Kg
Export Model	T 0.5A / 250V (internally mounted)	Warranty	6 years

### CHM-100/DEL-100 Microphone Base

Power Requirement	+22 VDC @ 60 mA from pin 2 of daisy chain
Output Impedance	>10k Ω
Phantom Power	18 V
Dimensions (HWD)	5.8" x 6.5" x 1.75" (14.73 x 16.51 x 4.45 cm)
Weight	0.90 lbs / .41 Kg
Daisy Chain In/Out	Male and Female 3 pin XLR
CHM-100 Controls	Push to Talk, Volume and Mute Others
DEL-100 Controls	Push to Talk and Volume
Warranty	2 years

### LM-618 Gooseneck Microphone

Pickup Pattern	Cardioid
Type	Back Electret Condenser
Phantom Power	9 - 52 Volts DC
Impedance	200 Ω @ 1kHz
Response	80 Hz - 17 kHz ±3dB
Sensitivity	-56 dB @ 1 kHz open circuit (0 dB = 1 V/ubar)
Dimension	18.75" from mic tip to XLR top, 2 flex sections
Microphone	0.54" O.D.
Warranty	2 years



(Specifications Subject to Change Without Notice)

## ANCHOR AUDIO CUSTOMER SERVICE

# 800.262.4671

**FOR ADDITIONAL INFORMATION  
visit [www.anchoraudio.com](http://www.anchoraudio.com)**

## Anchor Audio Warranty

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, which are warranted for a period of TWO (2) YEARS:

- All wired and wireless microphones, beltpack transmitters, base station transmitters, base station receivers, and hands-free microphones
- Rechargeable batteries
- All woodworking
- CouncilMAN microphones and bases
- PortaCom and ProLink 500 systems in their entirety
- Assistive Listening systems in their entirety
- Accessories, cables, cases, and covers

Warranties are subject to the following conditions:

- Product must have been purchased from an authorized Anchor Audio Dealer
- Anchor Audio must perform or authorize all warranty services or warranty is void
- Warranty is void when equipment is subjected to negligent use, connection to improper power sources, misuse, and operation beyond specifications and limits
- Warranty shall not apply to exterior finish, AC power cords, bulbs, or any other failings due to normal wear
- Warranty is void when equipment is subjected to adverse temperature, humidity, moisture, or any condition not considered normal environmental conditions
- Products out of warranty cannot be repaired by Anchor Audio

To locate an authorized dealer near you, please contact [sales@anchoraudio.com](mailto:sales@anchoraudio.com). Please contact Technical Support at [www.AnchorAudio.com/technical-support-form.html](http://www.AnchorAudio.com/technical-support-form.html) to with any questions, to begin the Return Authorization process, or to verify your warranty period.