



Troubleshooting Guide

Having trouble with the sound system?

Condition

No sound (power LED not lit):

Possible Solution

- turn POWER switch ON
- fully charge battery

Charge indicator doesn't light:

- plug charger in fully

No sound (power LED lights):

- check for output from source
- make sure all cables are completely plugged in
- turn up volume control of input used

Shortened battery life:

- charge battery fully; if battery life continues to deteriorate, contact Anchor customer service
- reduce volume to eliminate distortion
- make sure external speaker impedance > 4Ω

Distorted sound:

- turn down system volume control
- reduce source output level

Excessive hum or noise:

- use shielded cables
- use balanced microphone

Having trouble with the wireless system? (Wireless models only.)

Condition

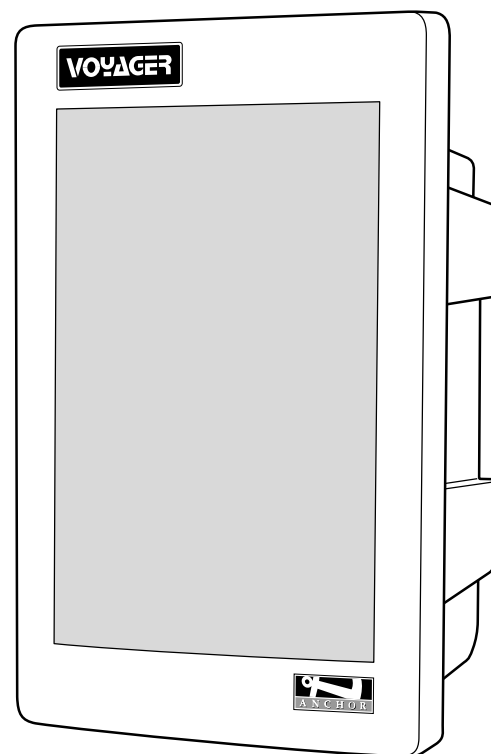
No sound (TX ON indicator lights):

Possible Solution

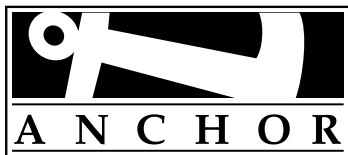
- set MUTE switch to ON (handheld mic only)
- turn up wireless (Mic 2) volume control
- make sure mic is plugged into bodypack transmitter
- unplug mic from Mic 2 input

No sound (TX ON indicator off):

- turn Voyager POWER switch ON
- make sure transmitter power switch is ON
- set receiver and transmitter to same channel
- replace battery in transmitter



Voyager Owner's Manual



ANCHOR Audio, Inc. (310) 784-2300
100-0054-000 / Revision C, 07/97





Important Safeguards



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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
RISQUE DE CHOC
ELECTRIQUE
NE PAS OUVRIR



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

Rated power output	2 x 20 watts @ 4Ω continuous
Max SPL @ rated power	110 dB @ 1 meter
Frequency response	100 Hz - 12 kHz
Speaker type (2)	5" high-efficiency cone drivers
Inputs	
Mic 1	Lo-Z, balanced, phantom power, XLR
Mic 2	Lo-Z, unbalanced, 1/4"-phone (wireless input on PB-3000W)
Line input	Hi-Z, unbalanced, 1/4"-phone
Line output (post fader)	Lo-Z, buffered, 1/4"-phone
Speaker output	20 watts @ 4Ω, unswitched, 1/4"-phone
Battery	12 volt rechargeable, 7.0AH, sealed lead acid
Charger (RC-16)	16 volts AC, 1.5A, 60Hz
Charger (RC-16/220)	16 volts AC, 1.5A, 50Hz
Dimensions (HWD)	16.5 x 10.5 x 10", 42 x 27 x 25 cm
Weight	20 lbs, 9 Kg.

Specifications subject to change without notice.



Accessories

MIC-90 Handheld Microphone (for Mic 1 Input)

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

MIC-50 Handheld Microphone (for Mic 2 Input)

For the budget-minded, try the MIC-50. It's an unbalanced, low impedance microphone with a on/off switch. It has a 1/4"-phone plug attached to a 10' cable.

P-3001 Companion Speaker

An unpowered speaker which can be connected to the speaker output of a Voyager for increased crowd coverage. Speaker cable not included.

SS-450 Speaker Stand

Made of heavy duty structural aluminum.

VL-25 Storage Cover

Heavy duty cover for Voyager.



Wireless Operation (wireless model only)

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 9 Volt alkaline battery* and replace the cover.

BODY-PACK: Press the "OPEN" end of the battery cover, slide it back and lift the cover. Install a fresh 9 Volt alkaline battery* being sure to observe proper polarity. Close the cover.

*Duracell
MN1604 or
equivalent.

Operating the wireless microphone system

The audio signal from the built-in wireless receiver is fed to the MIC 2/WIRELESS input. Unplug any other mic from the MIC 2 input when using the wireless system.

Operating the wireless microphone system:

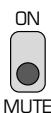
1. Set the Mic 2/Wireless volume control to minimum.
2. Turn the sound system power switch ON.
3. Slide the transmitter power switch to PWR.

The sound system's TX ON indicator lights to indicate wireless signal (RF) is being transmitted and received.



4. Adjust the Mic 2/Wireless 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.



Using the microphone ON/MUTE switch.

When set to the "ON" position the mic operates normally. To prevent unwanted sounds from being picked up without turning the transmitter off, move switch to "MUTE" position.

(The handheld mic/transmitter comes with a protective sleeve which fits over the power and mute switches to prevent accidental movement during use. To install it, unscrew the battery cover and slide the sleeve onto the microphone handle. Replace the cover.)

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

Voyager is a portable sound system that's simple to set up and operate. It runs for many hours on its built-in battery. You'll need a microphone or other input source before you begin. *Make sure the battery is fully charged before use (see page 8).*

Here's how easy it is to use:

1. Set the unit in front of your audience on the floor, table or on a speaker stand.
2. Plug a microphone into the Mic 1 or Mic 2 input, or plug an audio source into the line input.
3. Set all input level controls to minimum, then turn the power ON. Slowly increase the level control adjacent to the input used until desired volume is reached.
4. Adjust the tone control for desired sound quality.

To operate the wireless mic system on model PB-3000W see "Wireless Operation" on pages 9 and 10. And for more detailed instructions, see the "Operation" section beginning on page 6.

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

- Voyager sound system
- RC-16 charging transformer (RC-16/220 for export)
- Speaker stand adapter
- 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) 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.

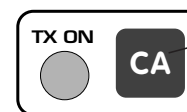
Wireless Operation (wireless model only)

Setting up the wireless system

Checking the Frequency Code.

Before proceeding, you must first verify that the wireless frequency of your transmitter matches the frequency of the receiver installed in your Anchor sound system.

1. The control panel of the sound system should have the following label:



Frequency Code label

(Shure designates a one- or two-letter code which corresponds to the wireless frequency at which the component operates.)

2. The frequency code must match the code found on the transmitter as described below:

HANDHELD: Unscrew the battery compartment cover on lower end of the microphone. Remove the battery (if installed) and check code on the label.

label on **handheld** mic/transmitter

SHURE BROTHERS INC.
LX2 HANDHELD TRANSMITTER
FREQUENCY CODE – **CA**
176.200 MHz

SHURE BROTHERS INC.
TX FCC ID: DD4L11
CANADA: 616 C9398
LX1 – **CA** 176.200 MHz

label on **body-pack** transmitter

BODY-PACK: Check the code on the label located behind the belt clip.

3. If the frequency codes don't match, locate the correct transmitter whose code matches the sound system.

About the transmitter battery gauge/indicator

Assuming a battery is installed in the transmitter, you can estimate the remaining operating time by sliding the power switch to the PWR position (*first turn the sound system off, or set the transmitter mute switch to the MUTE position*). Observe the color of the LED indicator(s) that light up:

Battery LED Indicator

green
green & amber
amber
red

Operating Time

6 - 20 hours
4 - 6 hours
2 - 4 hours
< 1 hour

Operating times using a fresh 9 volt alkaline battery *Duracell MN1604 or equivalent.



Battery Operation

About the battery protect circuit

The automatic battery protection circuit turns the unit off when the battery approaches its 'critical discharge point' to prevent damaging the battery.

When the Battery LED begins flashing, this indicates the battery is low and the unit will shut off in 15 - 30 minutes.



Expected service time from the battery

The service time per charge will vary depending on the volume level, type of program usage and if a companion speaker is used with the system.

Service time per charge (continuous music input).

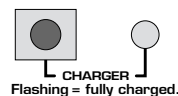
medium volume	10 to 14 hours
full volume (before clipping)	6 to 8 hours

Charging the battery

Plug the RC-16 charger (RC-16/220 for export) into an AC outlet and into the charger input (the Charger LED will light, indicating the battery is being charged). The charger will automatically charge the battery for optimum recovery.

When the battery is charged (about 12 hours), the Charger LED will flash. This indicates the charger has switched to the maintenance charge rate—the charger may be left plugged in to maintain a full charge without damaging the battery.

IMPORTANT: For longer battery life, always store the unit with the battery in a fully charged condition.



Feedback Information

What causes feedback?

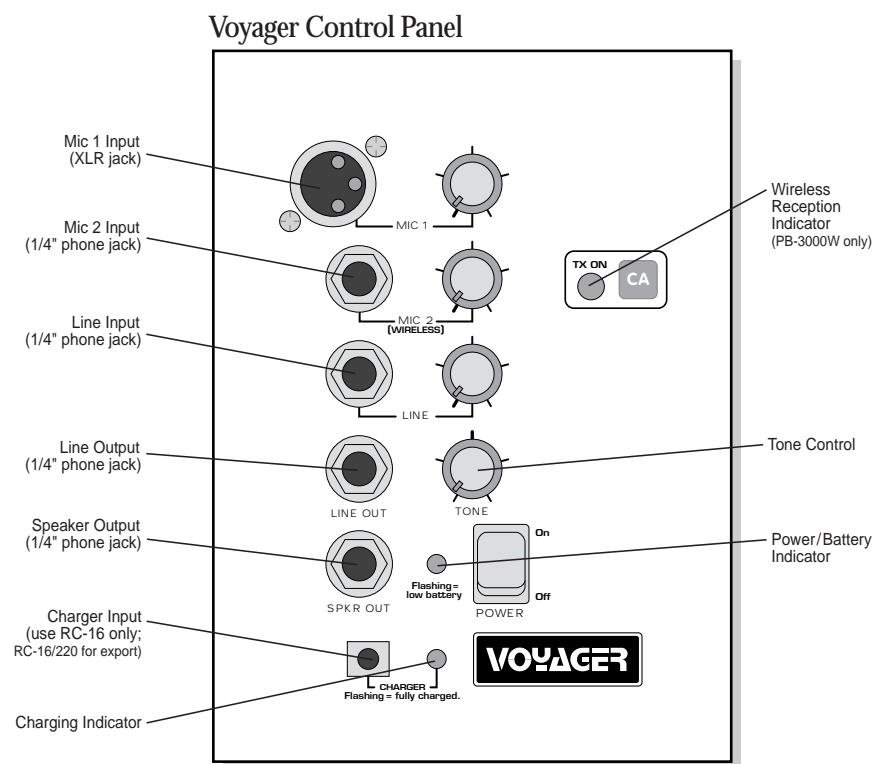
Feedback is a ringing, howling, or shrill sound that is self-generated by the sound system. It is the result of sound from the speakers being picked up by the microphone(s) in use and then re-amplified by the system. This can form a self-sustaining loop that can damage the sound system if allowed to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

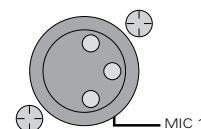
Operation



Operating the sound system

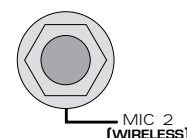
1. Set all input level controls to minimum before turning on the power.
2. Plug a microphone into either Mic input jack (depending on microphone and plug type), or connect an audio source to the line input.
3. Turn power ON (red LED next to switch will light).
If the LED flashes or does not light, the battery must be charged (see page 8).
4. Adjust the level control adjacent to the input used to desired volume level.
5. Adjust the tone control for desired sound.

Operation



Mic 1 Input

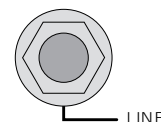
Balanced, low impedance XLR microphone input. Use with a balanced microphone to help prevent hum or interference when using long mic cables. It has phantom power for use with condenser-type microphones.



Mic 2 Input

An unbalanced, low impedance microphone input. For use with mics that have a 1/4" phone plug.

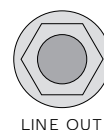
On PB-3000W (wireless) models, the built-in receiver is connected to this input. Use the Mic 2 control to adjust the wireless mic volume. *(Inserting a plug into the Mic 2 input disconnects the wireless input—to use a wired and wireless mic simultaneously, plug the wired mic into the Mic 1 Input.)*



Line Input

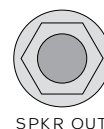
The line input (1/4"-phone jack) is used for playback of a tape or CD player, musical instrument, VCR or similar source. It may be used simultaneously with the mic inputs for a composite output.

Note: All connections must be made with shielded cable to avoid hum, buzzing, or radio interference.



Line Output

The output signal is a composite of all the inputs. Use it to record your presentation, or to "daisy chain" another powered sound system to the Voyager for greater crowd coverage.



Speaker Output

Use the speaker output to drive an unpowered 4-8Ω speaker in addition to Voyager's built-in speakers for greater output.

NOTE: When an external speaker is powered by the Voyager, battery service per charge will decrease considerably.

Speaker Stand Adapter (use with 1.5" diameter stands)

1. Slide adapter into the slot on bottom of the Voyager.
2. Tighten screw to secure adapter to Voyager.
3. Place unit on stand, then tighten screw on the collar of the adapter to secure Voyager to stand.