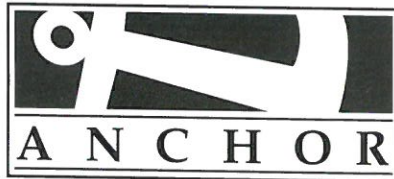


VOYAGER

Owner's Manual



ANCHOR Audio, Inc. (213) 533-5984
100-0023-000 / #568 / Revision A, 2/91





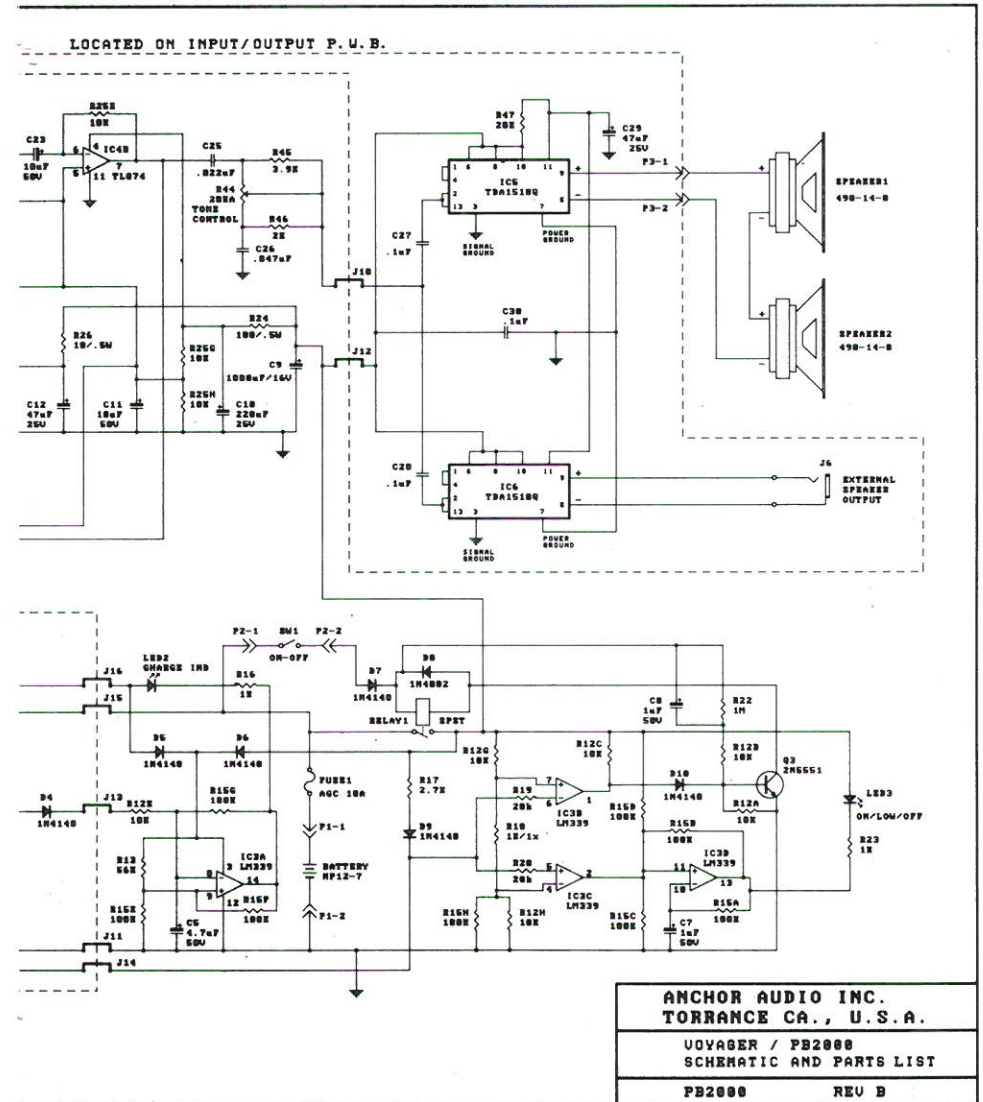
Dear Customer

Thank you for choosing the Voyager sound system. Anchor Audio's products incorporate state of the art design and the finest quality of materials and workmanship. We are proud of our products and appreciate the confidence which you have shown by selecting the Voyager.

I hope you will spend a few minutes to review this Owner's Manual. We have incorporated several unique features into the Voyager, and your knowledge of a few basic operating instructions will enhance the performance and your enjoyment of the system.



David Jacobs
President on behalf of all Anchor employees





Schematic PB-2000/W

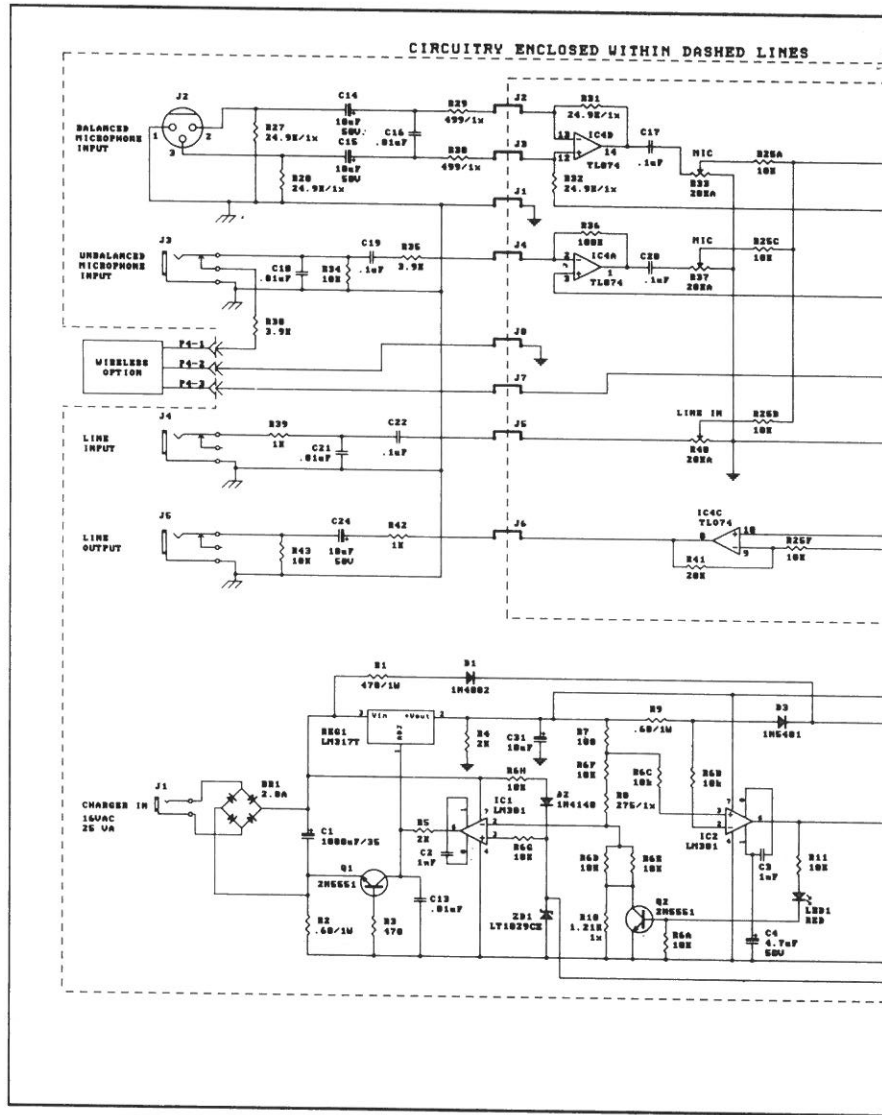


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Unpacking Instructions

Inspection

Check unit carefully for damage which may have been incurred during transit. Each Anchor product is thoroughly inspected at the factory and is carefully packed in a special carton for safe transport.

Inventory

- **Voyager** sound system.
- RC-16 battery charger.
- Warranty and registration card.

All damage claims must be made directly and immediately with the freight carrier.

If you observe any damage to the shipping carton or product, you must notify the freight carrier immediately. Repack unit in its shipping carton as received and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

Returns, Upgrades or Repairs

Should it become necessary to return your unit to the factory for service or upgrade, contact your dealer or Anchor's Customer Service Department to obtain a Return Authorization (R.A.) number. All shipments to Anchor Audio must be accompanied by an R.A. 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 registration card and return it to Anchor's Customer Service Department. This will officially register your unit for one full year of free warranty service, and in addition help our marketing department serve you better in the future.

Save the shipping carton and packing materials. It was specifically designed to ship your unit safely.



Specifications

Amplifier (two)	Integrated circuit bridge amps, short protected <i>one for internal speakers one for external speaker output</i>
Rated power output	20 watts each amplifier
Max SPL @ rated power	110dB @ 1 meter
Frequency response	100Hz-12kHz
Output impedence	4Ω
Mic 1 input	Lo-Z, balanced, female XLR
Mic 2 input	Lo-Z, unbalanced, 1/4" phone <i>(wireless input on model PB-2000W)</i>
Auxiliary line input	Hi-Z, unbalanced, 1/4" phone
Line output	1KΩ, 1/4" phone
External speaker output	20 watts @ 4Ω, 1/4" phone
Case design	Rotomolded polyethylene, structural foam-filled
Speakers (two)	5" high-efficiency dynamic cone drivers
Battery	Rechargeable, sealed lead acid
Capacity	12 volts, 7.0AH
Operation times	6-8 hours @ full volume (from full charge)
Charger (Anchor RC-16)	16 volts AC, 1.5A, 60Hz
Recharge time	8-10 hours
Dimensions	20 x 12.5 x 8.5" (HWD), 51 x 32 x 22cm
Weight	19 lbs, 8.6Kg

Specifications subject to change without notice.



Accessories



MIC-84 Handheld Microphone

Our popular MIC-84 is a dynamic, balanced, low impedance microphone with a unidirectional pick up pattern. A ball-shaped grill and built-in windscreen protect the microphone element. The MIC-84 has a privacy on/off switch, and includes a 20' (6.2m) cable with XLR connectors and a swivel mic clip.

MIC-50 Handheld Microphone

The budget-minded MIC-50 is an unbalanced, low impedance microphone. It has a privacy on/off switch and includes a 10' (3.1m) coil cable with a 1/4" phone plug for use with the Voyagers mic input 2.

P-2001 Companion Speaker

The Voyager P-2001 unpowered speaker features the same speaker components as the powered Voyager. Connect it to the speaker output of the PB-2000 sound system to extend the overall coverage. The P-2001 is rated at 4Ω with 30 watt power capacity.

VL-20 Slipcover

This vinyl protective cover has a storage pocket that holds microphones, manuals, etc.

SS-250 Speaker Stand

The collapsible SS-250 speaker stand fits directly into the molded receptacle on the bottom of the Voyager. The rated load capacity is 25 pounds.

AWH-II Handheld Wireless Mic/Transmitter

This handheld wireless mic is used with the Voyager PB-2000W model equipped with a wireless receiver.

AWL-II Lapel Wireless Mic/Transmitter

The AWL-II lapel-type microphone includes a belt pack and is used with the Voyager PB-2000W.



Quick Use Guide

The Voyager portable sound system is simple to set up and use. It can be operated for many hours on its built-in battery. You will need a microphone or other input source before you begin. The operating instructions below cover the basic functions of the Voyager (*it is presumed the battery is fully charged— see page 11*).

If you experience problems or need more information, review the detailed instructions for each function.

Basic Operating Instructions

1. Set the Voyager on the floor, table or on a stand.
2. Plug a microphone into the Mic 1 or Mic 2 input (depending on the type of mic), or plug an audio source into the aux 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.

For operation of wireless system on Model PB-2000W, see the bottom of page 10.

Consult pages 8-11 for complete operating instructions.



Features

- Easy to carry—weighs only 19 pounds.
- Powerful 20 watt integrated circuit bridge amplifiers.
- Reliable battery operation featuring Anchor's proven battery protection and recharge circuitry.
- Two microphone inputs for either balanced Lo-Z with XLR plug or unbalanced Lo-Z with 1/4" phone plug.
- Auxiliary Input jack (line level) for playback of tape player, VCR, musical instrument or other audio source.
- Line Output for direct recording or 'daisy-chaining'.
- Two vertically-aligned high efficiency 5" drivers.
- Speaker stand receptacle molded into bottom of unit.
- One year parts and service warranty on all electronic circuitry, batteries and speaker components.
- Model PB-2000W wireless-equipped model available (with receiver and antenna).



Battery Operation/Recharging

 **POWER**
FLASHING =
LOW BATTERY

The RC-16 charger may be plugged in for continued use while also recharging the battery.

 **STATUS**
FLASHING = FULLY CHARGED

Battery protect circuit

The battery protection circuit prevents the battery from being over-discharged. This circuit automatically turns the unit **OFF** when the battery approaches its critical discharge point (to prevent damaging the battery.)

When the Power LED begins flashing, this indicates the battery is low and the unit will shut itself OFF in 15-20 minutes.

Expected service time per charge

The service time per charge will vary depending on the volume level, type of program usage and if an auxiliary 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

To recharge the battery

Plug the RC-16 charger into an AC outlet and into the charger input (the status LED will light indicating the battery is being automatically charged.) The built-in charging circuit controls the charge rate for optimum battery recovery.

When the battery is 95% charged (approx. 8 hours), the status indicator LED will start flashing. This indicates that the charger has automatically switched to the final maintenance trickle charge rate. The charger may be left plugged into the AC outlet continuously to maintain a full charge without damaging the battery (partial charges will not damage battery).

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

Operation

LINE
OUTPUT



Line Output

The line output (1/4" phone jack) is used for recording directly from the amplifier, or to "daisy chain" other sound systems to the Voyager. The term daisy chain means to connect the line output of the Voyager to the auxiliary input of another powered sound system. Use this technique to distribute sound to various rooms or for combining powered units to cover a large audience.

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

Tone Control

Use the tone control to add bass or treble to compensate for various types of program material.

SPEAKER
OUTPUT



Speaker Output

The speaker output is powered by the Voyager's second 20 watt amplifier and should be used with an unpowered speaker (such as Anchor's P-2001 companion speaker). The jack is unswitched, meaning the internal speakers will continue to play when an external speaker is plugged in. Use speakers rated at 4Ω with this output.

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

Wireless Operation (Model PB-2000W)

MIC 2/
WIRELESS



The signal from the built-in wireless receiver is fed to the Mic 2 Input. Power is supplied when the Voyager is turned on, and the TX-ON indicator will light when the transmitter is turned on.



Consult your wireless microphone Owner's Manual for additional information.

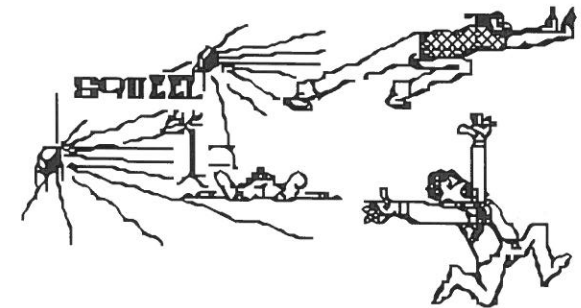
To use the wireless microphone system:

1. Extend the built-in antenna
2. Turn transmitter/microphone ON
3. Adjust wireless input level to desired volume.

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 reamplified by the system. This can form a self-sustaining loop that can damage the sound system if allowed to continue.



To prevent feedback:

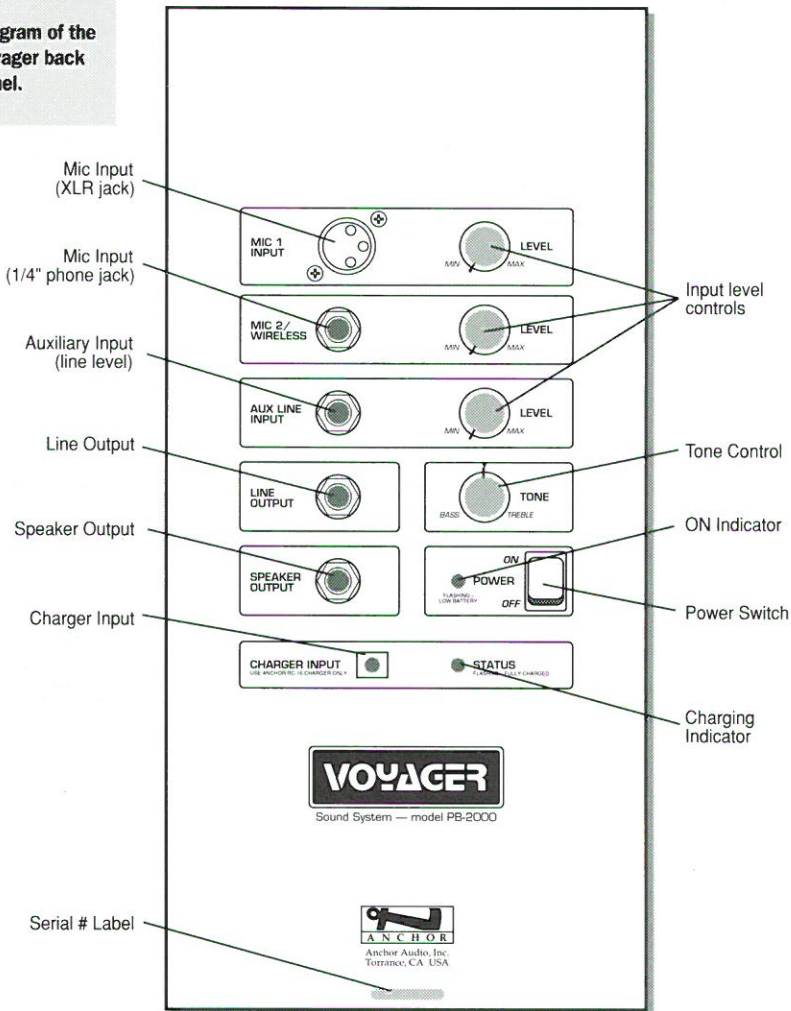
ALWAYS STAND BEHIND THE SPEAKER
WHEN USING A MICROPHONE.

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

Operation

Panel Operation

Diagram of the Voyager back panel.




Operation


Operation

1. Set all input level controls to minimum before power is turned on.
2. Plug a microphone into either Mic input jack (depending on microphone and plug type), or connect an audio source to the auxiliary input.
3. Turn the sound system ON with power switch (red LED next to switch will light).
If power LED flashes or does not light, the battery must be charged (see page 11).
4. Adjust the level control adjacent to the input used to desired level.
5. Adjust the tone control for desired sound.

Mic 1 Input

 This female XLR jack is a balanced, low impedance mic input. Using this input with a balanced microphone (such as Anchor's MIC-84) helps prevent picking up excess hum or interference when using long mic cables.


Mic 2/Wireless Input

 This 1/4" phone jack is an unbalanced, low impedance microphone input. Use this input if you are using the Anchor MIC-50 microphone.

On the PB-2000W model, the wireless receiver is connected internally to this input. Use the Mic 2 level control to adjust the wireless input volume.

Note: (Inserting a plug into the Mic 2 input disconnects the wireless input. To use a wired microphone simultaneously with the wireless system, use Mic Input 1.)

Auxiliary Input

 The auxiliary input is a 1/4" phone jack with line level sensitivity. You can playback audio from a tape player, musical instrument, VCR or similar source. It can be used simultaneously with the microphone inputs for a composite program output.