

TROUBLESHOOTING

CAN'T HEAR A PERSON SPEAKING?

Increase headset volume using the headset volume button on the side of the belt pack. Push the + symbol button until you reach desired volume. In extremely loud environments, you will need to use the dual ear muff headset with noise cancelling properties. If you still can't hear, you may be out of range and need to move closer to the user network.

MICROPHONE NOT PICKING UP YOUR VOICE?

First, adjust the microphone sensitivity setting on the side of the belt pack by pushing the + button incrementally until you reach desired sensitivity level. Move the microphone closer to your mouth and speak up clearly. For example, women speak softer than men and need a more sensitive microphone level.

BACKGROUND NOISE TRANSMITTING ACROSS SYSTEM?

Reduce the microphone sensitivity setting by pushing the – symbol button until you reach the desired level.

TRANSMISSION IS WEAK?

Your rechargeable batteries may be running low. If batteries are weak, the Group LED's will slowly flash. Your belt pack needs to be recharged. If you need to keep working, you can use disposable alkaline batteries.

PROPER INTERCOM ETIQUETTE

Anchorman is designed to allow 4 people to speak at once in close quarters and one person to speak at a time when the belt packs are far apart.. Use proper intercom etiquette – wait to break into the conversation network until the other belt pack users have stopped speaking. If a large number of users are in the network, we suggest PTT to allow members to jump in and out of conversation.

For videos on how to setup & use your AnchorMAN wireless intercom system go to:


www.myanchorman.com



ANCHOR AUDIO CUSTOMER SERVICE

888/444-6077 310/784-2300

ANCHORMAN TECHNICAL SPECIFICATIONS

Range (line of sight)		Headset Connector	4-pin male XLR
Duplex	250' / 75 m	Antenna	1/2 wavelength dipole
Simplex	2,500' / 750 m	Dimensions & Weight	
FCC License	User Registration	BP-900	4 x 4.65 x 1.75" / 101.6 x 118.1 x 44.5 mm
Channels	4 per Group		13 oz / .37 kg (batteries installed)
Selectable Groups	4	H-200S	3.5 x 7.4 x 7.9" / 8.9 x 18.8 x 20 cm
Frequency	944 – 952 MHz		13 oz / .37 kg
Output Power	17 dBm (50mW)	H-200	3.5 x 7.4 x 7.9" / 8.9 x 18.8 x 20 cm
Microphone	Dynamic		16 oz / .45 kg
DC Requirements	9V – 1.2A	Antenna	7.18" / 182.372 mm
Batteries	4 "AA" NiMH rechargeable	Antenna Extension	3.5" / 89 mm
Battery Charge Time	5.5 hours = Full Charge		
Battery Life – NiMH Rechargeable		FCC ID: J8ZBP-900	
Receive Only	7.5 hours		
Continuous Transmit	3.5 hours		
Battery Life – Alkaline Disposable			
Receive Only	3.0 hours		
Continuous Transmit	1.0 hours		

AnchorMAN^{PATENT PENDING} WIRELESS INTERCOM SYSTEM

OWNER'S MANUAL



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Anchor Audio, Inc.

Portable Sound Systems • Torrance, California

A MESSAGE FROM THE OWNER

Thank you for choosing an Anchor Audio wireless intercom 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 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

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 where system was purchased or Anchor Audio Customer Service (800/262-4671 or 310/784-2300) to obtain a RA (Return Authorization) number. All shipments to Anchor Audio must include RA number and be shipped prepaid. C.O.D. shipments will be refused and returned at your expense.

Customers outside the USA must contact dealer where system was purchased for service or repair instructions.

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

WARRANTY REGISTRATION & INFORMATION

Please go to our website, www.anchoraudio.com, and select "Warranty Registration". Completing this online registration form will activate your limited two-year warranty.

Warranty is void if the belt pack case or headset has been opened, screws have been removed or there is evidence of tampering.

WHAT IS ANCHORMAN?

AnchorMAN is a wireless full duplex intercom system that is easy to configure and simple to operate. Up to four belt packs can talk at once and an unlimited number of belt packs can listen. Belt packs can be assigned to up to four separate groups. The transmitter and receiver operate utilizing FDMA techniques in the 944 – 952 MHz range without the need for a base station.

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CERTIFICATION INFORMATION

INFORMATION TO USER

The Anchor Audio BP-900 transmitter/receiver complies with part 74 of the United States Federal Communications Commission. Licensing of Anchor equipment is the user's responsibility and licensing depends on the user's classification and user's application. Anchor Audio strongly urges the user to contact the appropriate telecommunications authority for clarification. For info: <http://wireless.fcc.gov/uls/index.htm?job=home>.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part 15 of the FCC Rules. These

limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult dealer or an experienced radio/TV technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void user's authority to operate equipment.

FCC RF EXPOSURE STATEMENT

To satisfy RF exposure requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter. This product should be used only with body worn accessories not containing metal. This product should only be used with approved body worn accessories.

CAUTION: Changes or modifications made by user could void user's authority to operate equipment.

HEADSET OPERATION

AnchorMAN wireless intercoms use single and dual-earpiece, noise cancelling headsets featuring 4-pin XLR connectors and dynamic microphones. To use place headset on your head and adjust to fit, next:

1. Plug headset XLR connector into XLR jack on the bottom of the belt pack
2. Adjust headset boom so the microphone is near the mouth
3. Use the Headset Volume Control buttons "+" & "-" to adjust listening level (Push "+" repeatedly to increase headset volume and "-" to decrease)

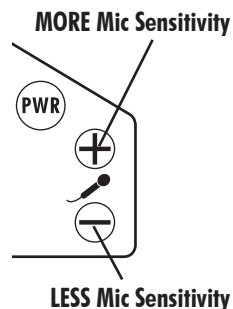
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MICROPHONE SENSITIVITY SETTING

Use the Microphone +/- buttons to adjust voice detection sensitivity levels. Press + for more voice detection sensitivity and - for less. The highest + setting will pick up your voice even at a whisper.

The most sensitive settings should be used in very quiet environments with little or no back ground noise. Experiment with the Microphone Sensitivity level to ensure voice detection picks up the beginning and end of each sentence.

Remember, what you hear in your headset is what other members of the network will hear.



CAUTION: Setting voice detection to an overly sensitive level can cause ambient background noise to trigger transmission, disturbing all members of the network.

NETWORK EXPANSION

CAN I USE MY OWN HEADSET? The AnchorMAN is designed to work with dynamic microphone elements. Headset pin configuration: 1 = Mic (-) / 2 = Mic (+) / 3 = Headphone (-) / 4 = Headphone (+) Shields can be connected to chassis ground pin.

I'VE RUN OUT OF BATTERY LIFE, NOW WHAT? You can substitute "AA" alkaline batteries for the rechargeable batteries. However, connecting the battery charger to the belt pack when alkaline batteries are installed could seriously damage your belt pack.

CAN MY ANCHORMAN WORK WITH OTHER WIRELESS INTERCOM SYSTEMS? No. AnchorMAN uses a proprietary design and software exclusive to the product.

CAN SOMEONE EAVESDROP ON MY CONVERSATION? No. AnchorMAN is not penetrated by common scanners.

IF I BREAK A HEADSET, WHAT DO I DO? The H-200 and H-200S headsets are covered by a two-year warranty. Follow the instructions in the Getting Started section on page 2 for a Return Authorization. AnchorMAN headsets are sold separately if a replacement is needed.

CAN I ADD BELT PACKS TO MY NETWORK? Yes. The system is designed to accommodate an unlimited number of listeners. However, the maximum number of people that can speak at once in one group is limited to four. Belt packs that are set to the same frequency (DIP 1 and 2) and group will interfere if they transmit at the same time. However, if two users are not expected to speak at the same time, they can share a transmit frequency.

BELT PACK OPERATION

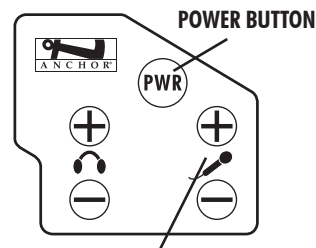
The ergonomically designed BP-900 AnchorMAN belt pack features an XLR headset jack, heavy duty antenna, headset volume control, microphone sensitivity control, group selection, PTT (*push to talk*) and transmission indicator LED. The belt pack is powered by 4 (included) "AA" NiMH rechargeable batteries.

GROUP SELECTOR

To create a belt pack group, each member must set their Group Selector to the same letter - A, B, C or D. Press the GRP Button to change groups. The LED will light indicating the selected Group (A, B, C, D).

Example: Film Crew

The director assigns photography to Group A, sound to Group B and lighting to Group C. He can then be a part of any group by simply pressing the Group Selector Button to the desired group.



MICROPHONE SENSITIVITY

RECHARGEABLE BATTERIES

AnchorMAN belt packs include 4 "AA" NiMH rechargeable batteries and AC Charger. Fully charged NiMH batteries yield approximately 7 hours of normal use. Alkaline "AA" batteries can be used but battery life will decrease by half. Connecting the AC charger to a belt pack with alkaline batteries installed could seriously damage the system.

INSTALL BATTERIES

1. Slide battery compartment door to remove
2. Install 4 "AA" NiMH rechargeable batteries
3. Replace battery compartment door

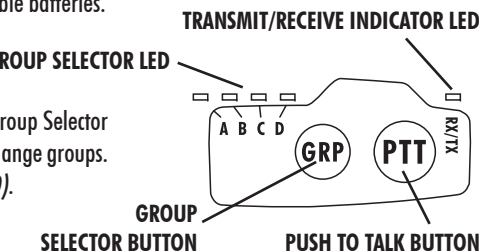
NOTE: Place "-" end of battery against spring.

NOTE: Flashing Group LED indicates battery low.

PUSH TO TALK MODE / ACTIVE MODE

Push to Talk Mode (PTT) - Default mode when the PWR button is pushed. Press PTT button to speak to Group, release PTT button to listen.

Active Mode - Hands free voice activated operation requires adjusting the Microphone Sensitivity level. All belt packs arrive with mic sensitivity set to low requiring PTT operation. Push the "+" button repeatedly to increase mic sensitivity until transmission is activated by the sound of your voice.



CAUTION: Do not attempt to charge alkaline batteries.

Some users are required (*for emergency preparedness, etc.*) to leave their AnchorMAN units plugged into the charger at all times. For these applications we recommend replacing the rechargeable batteries every 12 months.

BASIC SYSTEM OPERATION

1. Charge batteries in belt pack overnight (page 3)

NOTE: Belt packs operate about 7 hours per charge.

2. Set all network belt packs to same Group (page 3)
3. Plug headset cable into belt pack & adjust boom (page 6)
4. Press PWR to turn belt pack ON (belt pack front)
5. Adjust Headset Volume level (belt pack front)
6. Press & hold PTT to start talking, (belt pack top) release PTT button to listen

NOTE: Repeat steps for each belt pack in the network.

See page 3/Active Mode for voice activated operation.

SYSTEM RANGE

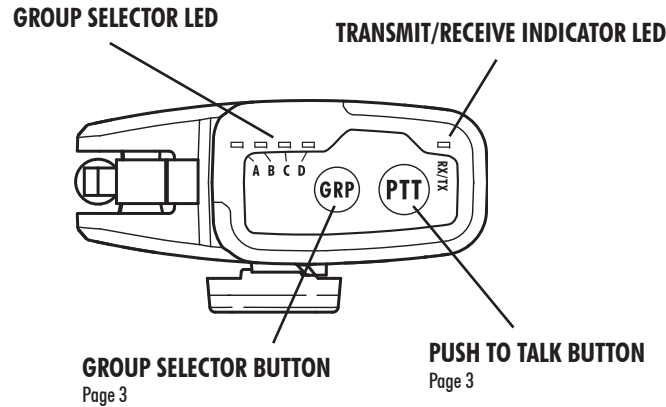
The AnchorMANs transmission signal will travel through many solid objects. However, the more solid objects between the belt packs, the more the range will be reduced. As belt packs get farther apart AnchorMAN automatically reverts to simplex mode for a maximum range of 2,500' (750 m). This means you will operate in Push to Talk mode and speak one person at a time. If the signal fades the belt packs are too far apart and you will need to move closer together.

FACTORY SETTINGS

There are six DIP Switches located beneath the antenna. DIP Switches 1 and 2 are used to set the belt pack transmit frequency. Four frequency sets can be selected using different combinations of these two switches. In an active group of four users, each of the belt packs should be set to a different transmit frequency. You can add belt packs to any group but only one person can speak on that frequency at a time. Use the table below when setting DIP switches.

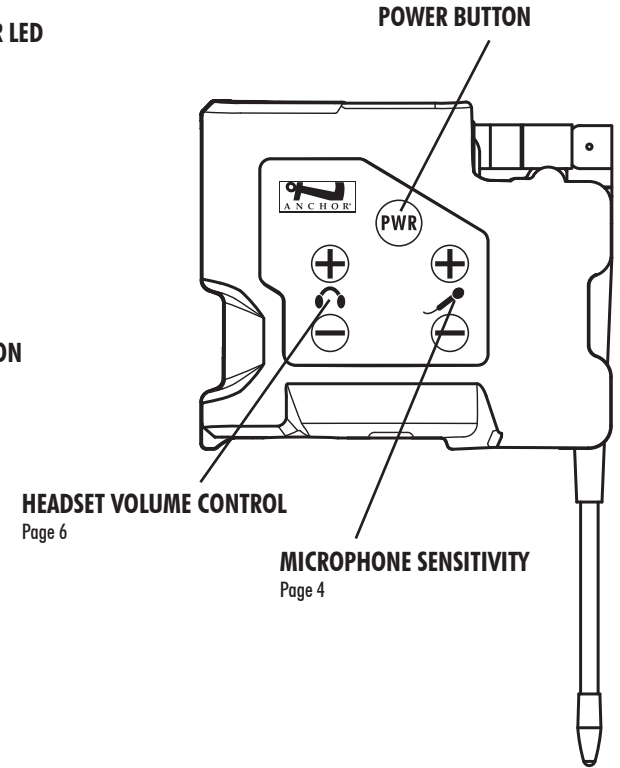
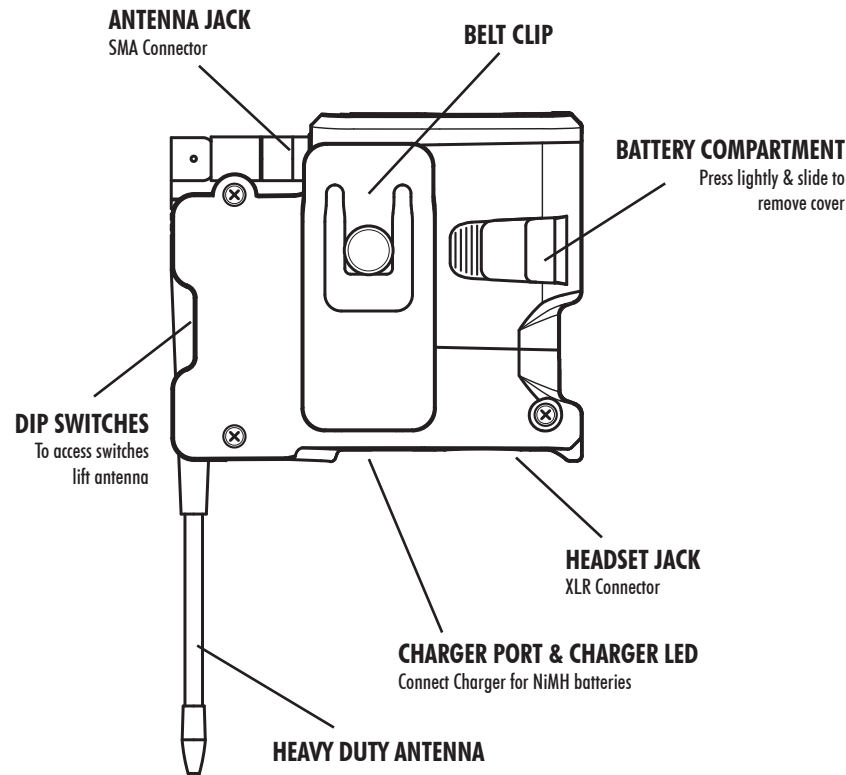
DIP1/DIP2	Frequency (MHz)			
	Group A	Group B	Group C	Group D
Up/Up	945	945.4	945.8	946.2
Up/Down	946.6	947	947.4	947.8
Down/Up	948.2	948.6	949	949.4
Down/Down	949.8	950.2	950.6	951

CAUTION: DIP Switch 6 should always be down and should NEVER be changed. It is for factory use only.



ANCHORMAN BELT PACK

Model Shown: BP-900



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SYSTEM COMPONENTS

- | | |
|---------------|--|
| BP-900 | Wireless Belt Pack |
| H-200 | Dual Ear Muff Headset |
| H-200S | Single Ear Muff Headset |
| GC-900 | Charger |
| HC-PC | Pelican Hardcase w/ Pick 'n Pluck Foam |
| MAN-40 | Four User Package: |
| | • 4 - BP-900 Belt Packs |
| | • 4 - Headsets (choose single or dual) |
| | • 1 - GC-900 Charger |
| | • Lightweight, high-density cardboard case |