

TECHNICAL SPECIFICATIONS



ProLink Belt Pack (BP-9000)

RF Frequency Range	902-928MHz
Modulation	FSK
Range (line of sight)	Duplex 250' / 75 m
Antenna	1/2 - wavelength dipole
Power Supply	9VDC, 1.2ADC
Battery Life	15 hours
Weight	15oz. / 0.42kg (w/ batteries)
Dimensions	4.5 x 6.25 x 3.75" / 114.3 x 158.75 x 95.25 mm

Single-Ear (H-2000S & Dual-Ear Headphones H-2000)

Drivers	Dynamic, 40mm
Impedance	300ohm +/- 15%
Frequency Response	20Hz - 20kHz
SPL	91dB +/- 3dB
Rated Power	> 40mW
Distortion	< 5%
Microphone	Dynamic, Uni-directional, Low impedance
Mic Sensitivity	Referenced to 0dB=1V/ μ bar, 1kHz Min -85 dB / Typical -83 dB /
Max -81 dB	
Frequency Response	200Hz-12kHz
Connector Plug	4-pin XLR, female
Weight	Single: 13 oz. / 0.37 kg & Dual: 16 oz. / 0.45 kg

FCC ID: J8ZBP-9000

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 device has been designed to operate with a 1/2 wavelength dipole antenna with RPSMA connector, and having a maximum gain of 1.17dB. Antennas not included in this list or having a gain greater than 1.17dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms."

"To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication."

"Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

Warning: Changes or modifications not expressly approved by Anchor Audio, Inc. could void the user's authority to operate this device. Only use the provided belt-clip.

ANCHOR AUDIO CUSTOMER SERVICE

888/444-6077 • 310/784-2300



Anchor Audio, Inc.
Portable Sound Systems • Torrance, California

For videos on how to setup & use the ProLink:
www.anchoraudio.com



ProLink™

WIRELESS INTERCOM SYSTEM - PATENT PENDING

OWNER'S MANUAL



CONTENTS

GETTING STARTED	2
WHAT IS PROLINK?.....	3
BELT PACKS	3
HEADSETS	3
RECHARGEABLE BATTERIES	3
BASIC OPERATION / SYSTEM RANGE.....	4,5
DEFINITIONS AND APPLICATIONS	6
FREQUENTLY ASKED QUESTIONS	7
TROUBLESHOOTING	7
TECHNICAL SPECIFICATIONS	8

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.



Janet 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.

Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.



FREQUENTLY ASKED QUESTIONS

Can I use my own headset?

Yes. The ProLink is designed to work with dynamic microphone elements. (Shields can be connected to chassis ground pin.)
Headset pin configuration: 1=Mic(-), 2=Mic(+), 3=Headphone(-), 4=Headphone(+)

I've run out of battery life, now what?

You can substitute "AA" alkaline batteries rechargeable batteries. However, connecting the charger to the belt pack when alkaline batteries are installed could seriously damage your belt pack.

Can my ProLink work with other wireless intercom systems?

No. ProLink uses proprietary design and software exclusive to the product.

Can my ProLink work with wired intercom systems?

Yes. ProLink uses WingMAN 9000 as a modular link to PortaCom and other two-wire intercoms.

Can someone eavesdrop on my conversation?

The proprietary software makes it difficult for anyone to penetrate the wireless network. Anchor offers an encrypted model for additional security.

If I break my headset, what do I do?

The H-2000 and H-2000S headsets are covered by a 2-year warranty. Follow the instructions in the Getting Started section on page 2 for Return Authorization. ProLink headsets are sold separately if a replacement is needed.

Can I add belt packs to my network?

Your intercom network can operate with one Master belt pack and up to three REMOTE belt packs.

TROUBLESHOOTING

Can't hear a person speaking?

First, verify that the MASTER belt pack is ON and within range of each of the REMOTE belt packs. Second, increase headset volume using the headset volume knob on the top of the belt pack. In extremely loud environments, you will need to use the dual ear muff headset with noise cancelling properties. If you still can't hear, your batteries may be dead. Also, verify each belt pack is on the same channel.

Microphone not picking up your voice?

First, adjust the microphone sensitivity setting on the top of the belt pack by turning the blue button incrementally until you reach desired sensitivity level. Move the microphone closer to your mouth and speak up clearly. For example, some people speak softer than others and need a more sensitive microphone level.

Background noise transmitting across system?

Reduce the microphone sensitivity setting by turning the blue button until you reach the desired level.

Transmission is weak?

Your rechargeable batteries may be running low. If batteries are weak, the green LED on the top panel will flash. Your belt pack batteries need to be recharged. If you need to keep working, you can use disposable alkaline batteries.

Proper intercom usage

Up to 4 people may talk at once. Use proper intercom etiquette - don't "talk over" others while they are speaking. Also, position the microphone to pick up a minimum of breath noise.

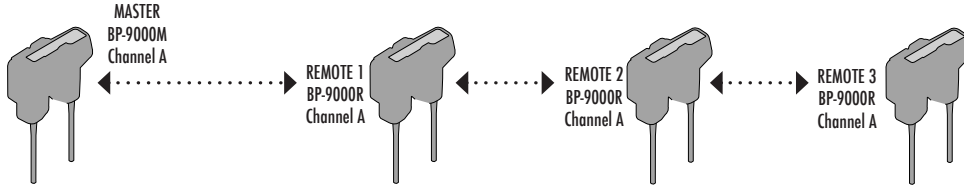
DEFINITIONS AND APPLICATIONS

ProLink - wireless duplex intercom system

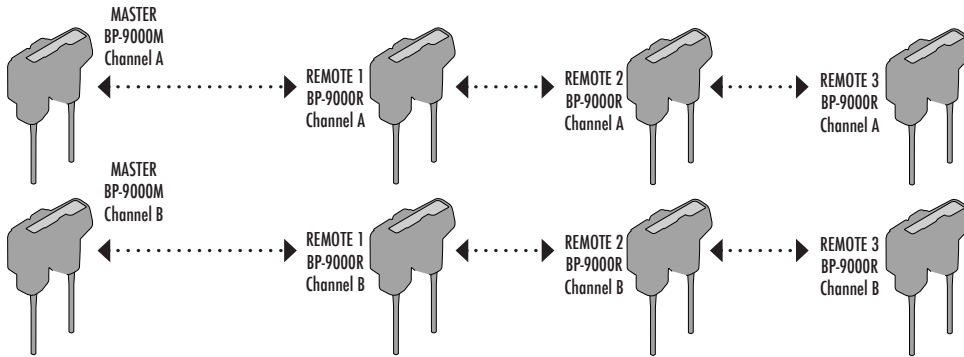
ProLink Network - requires a MASTER belt pack and includes up to three REMOTE belt packs

Channel - A or B channel selection for different applications

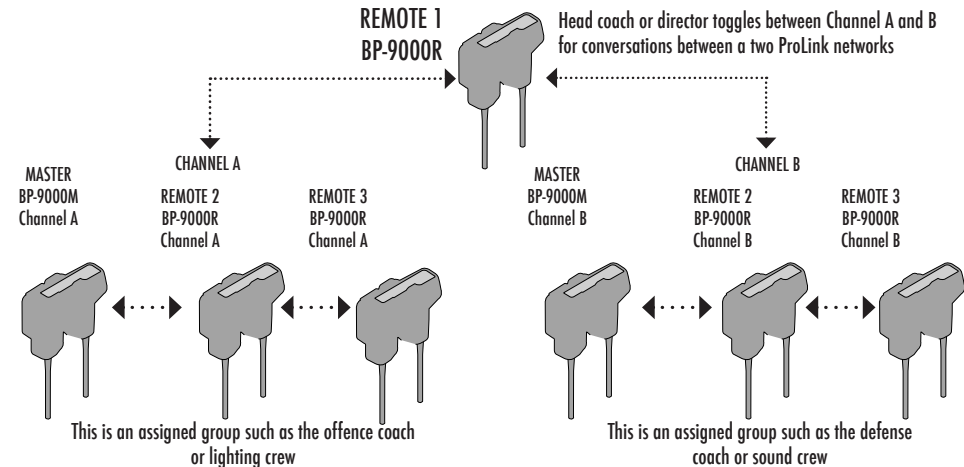
EXAMPLE 1 - One network



EXAMPLE 2 - Two independant networks in the same facility



EXAMPLE 3 - Director or coach talking and listening between two channels requires the following configuration



WHAT IS PROLINK™?

ProLink is a digital wireless, full duplex intercom system that is easy to configure and easy to operate. You can operate the MASTER belt pack with up to three REMOTE belt packs which are identified on the side label as R1, R2 or R3. The transmitter and receiver operate in the license free 902-928 MHz range without the need for a base station.

BELT PACK CONTROLS

Mic Gain - controls the microphone sensitivity. Someone with a soft voice will increase the Mic Gain.

Power Knob also controls headset volume. The Power LED is solid green while ON and flashes green when batteries need recharging.

A/B Channel Selection - each member of the system must be on the same channel to hear communication

RX/TX LED - flashes RED when transmitting and is SOLID RED on the Remote belt packs when out of range of the Master belt pack

PTT control - push to engage in conversation and release when done

Push to Talk or Always ON slide switch for the mode of operation preferred. If you want hands free operation, select the Always On mode. Your belt pack is live at all times.

4-PIN XLR headset connector - use Anchor Audio headsets or any headset with a dynamic microphone.

Charging Port for the GC-9000 gang charger - charge LED glows RED when charging and stops glowing when charge complete.

HEADSETS

ProLink uses noise cancelling headsets with a 4-pin XLR connector. Models H-2000 (dual ear muff) and H-2000S (single ear muff) are available. The headsets include an adjustable boom microphone.

RECHARGEABLE BATTERIES

ProLink belt packs include three "AA" rechargeable batteries and AC gang charger. Fully charged batteries yield approximately five hours of continuous use. Alkaline batteries can be used. Connecting the AC charger to a belt pack with alkaline batteries installed could seriously damage the system.

INSTALL BATTERIES

1. Remove battery door
2. Install three "AA" NiMH batteries.
3. Replace battery compartment door.

CHARGE BATTERIES

1. Connect gang charger (included) into charging port on the bottom of the belt packs.
2. Plug gang charger into AC outlet for minimum of five hours.
LED ON = battery charging
LED OFF = battery charged

CAUTION: Do not attempt to charge alkaline batteries.

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

BASIC SETUP AND OPERATION

1. Charge the batteries 5-6 hrs.

Note: Belt packs operate about four hours of continuous use per charge. **(Diagram 2)**

2. Find the MASTER belt pack as indicated on the top label. The Master belt pack must be ON for each of the REMOTE belt packs to function. **(Diagram 1)**

3. Plug headset cable into belt pack & adjust boom. **(Diagram 2)**

4. Turn on power and set headset volume. Power ON LED is solid green and flashing green for LOW battery. **(Diagram 1)**

5. Set slide switch to Push to Talk or Always On mode.

(Diagram 3)

6. Choose channel A or B for all belt packs. If both channels are used at the same time, two master belt packs are required (See page 6).

(Diagram 1)

Note: repeat above for each member's belt pack in use.

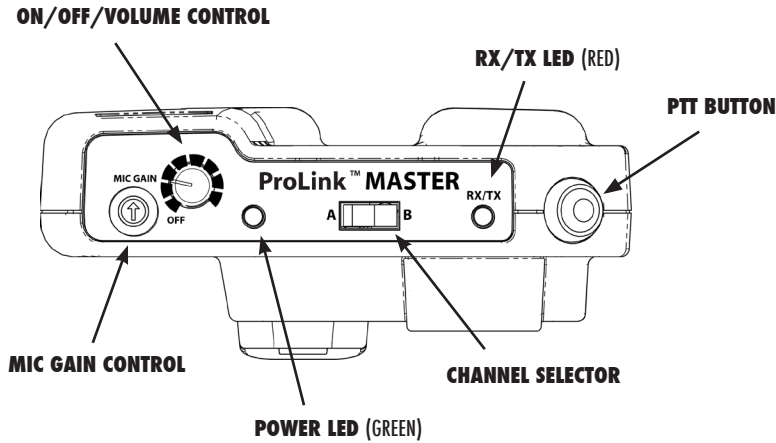
SYSTEM RANGE

The RF signal will travel through many solid objects. However, the more solid objects between the belt packs, the more the range will be reduced. When the belt packs are transmitting, the Transmit LED will flash red. If the signal drops out, the LED will glow solid red on REMOTE belt packs only. If the belt packs are too far apart, the REMOTE belt packs need to move closer to the MASTER belt pack.



For videos on how to setup & use the ProLink: www.anchoraudio.com

DIAGRAM 1



PROLINK BELT PACK

Model Shown: BP-9000M

DIAGRAM 3

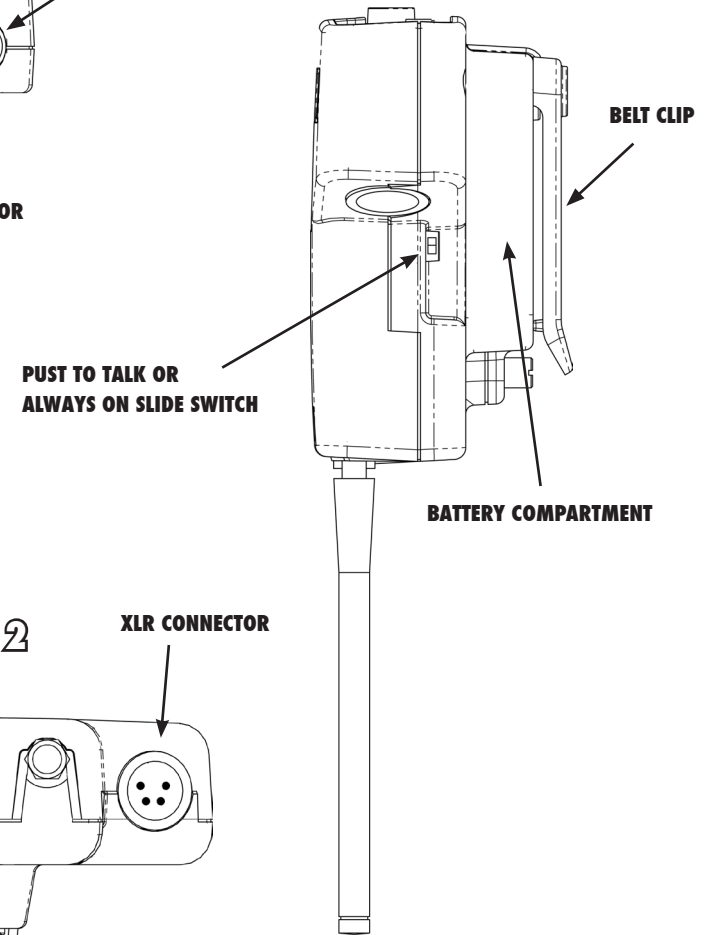


DIAGRAM 2

