PortaCom PRO
Wireless Intercom System

Owner's Manual

ANCHOR

HSW-300 & HW-300 Headsets

PortaCom PRO standard headsets are available with a single (HSW-300) or dual (HW-300) ear piece. In addition, a lightweight headband style headset or a concealed single earpiece headset are available options. All the headsets have a 6 pin mini-XLR connector and the dynamic, low impedance mics are adjustable.
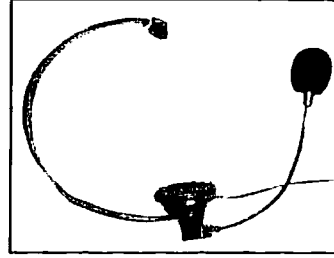
OPERATION

1. Connect the headset to the belt pack

2. Turn on power and adjust volume on each belt pack in use

3. Select a channel for the group

4. Set each user to the same channel

5. Adjust the headset boom so the mic is close to mouth

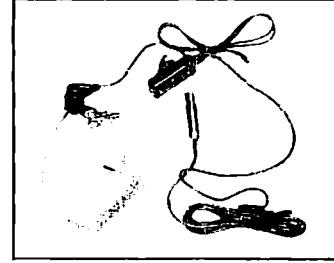6. Depress PTT button to start talking. The system is voice activated
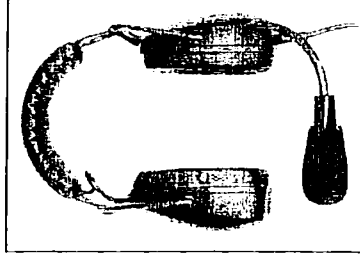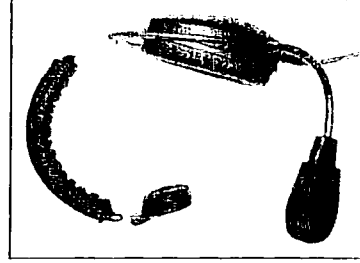
Troubleshooting

1. Can't hear person speaking. Turn up the listen volume control using the thumbwheel on the side of the belt pack. If you are in an extremely loud environment, you will need to use the dual muff headset with noise canceling properties. If you still can't hear the person speaking, you must be out of range and need to move closer.

2. The microphone is not picking up your voice. First, check that you have pushed down the PTT button one click and are in active mode by noting the last flashing light. Move the mic closer to your mouth and speak up clearly. Also, adjust the VOX by turning up the mic gain knob.

3. Background noise is transmitting across the system. Stay in the listen mode (slow flashing light) until you are ready to speak. Then, push and hold down the PTT button. This ensures your system is only activated when you speak.

4. Transmission is weak. Make certain the batteries are charged by checking for the green battery light. If batteries are weak, and you need to keep going, either plug the unit into the charger and a wall outlet, or replace the rechargeable batteries with alkaline batteries.

5. Recognize the PortaCom PRO is designed to handle two people speaking at once. Use proper intercom etiquette and wait to break into the conversation when the two people have stopped talking. If multiple users want to jump into and out of the conversation, use the push to talk feature.

Components

ESW-300: Concealed single-earpiece headset

LSW-300: Lightweight single-earpiece headset

connector	6 pin mini XLR (locking) (TQ)
microphone type	Electret condenser
weight	LSW-300/0.15oz; ESW-300/0.102oz

HW-300: Dual-earpiece headset

HSW-300: Single-earpiece headset

connector	6 pin mini XLR (locking) (TQ)
microphone type	Dynamic
dimensions	3.5 x 7.4 x 7.9"
weight	HSW-300/13oz; HW-300/16oz

BPW-300: Belt pack with volume control, channel selector, USE and PTT

headset connector	6 pin mini XLR (locking)
DC requirements	5VDC – 1100mA
dimensions	4.4 x 2.7 x 1.1"
weight	6.45 oz.

Specifications

Range	700' (line of sight)	Channels	16	Battery Life	10 hours
Encryption	256 personal codes	Charger	5VDC	Battery	Two "AA"
FCC License	None required	Frequency	2400 – 2483 MHz		rechargeable NiMH

Warranty Registration

Please go to our website, *www.anchoraudio.com* and select *"Warranty Registration"* to complete the online warranty registration form. This will activate your limited two-year warranty.
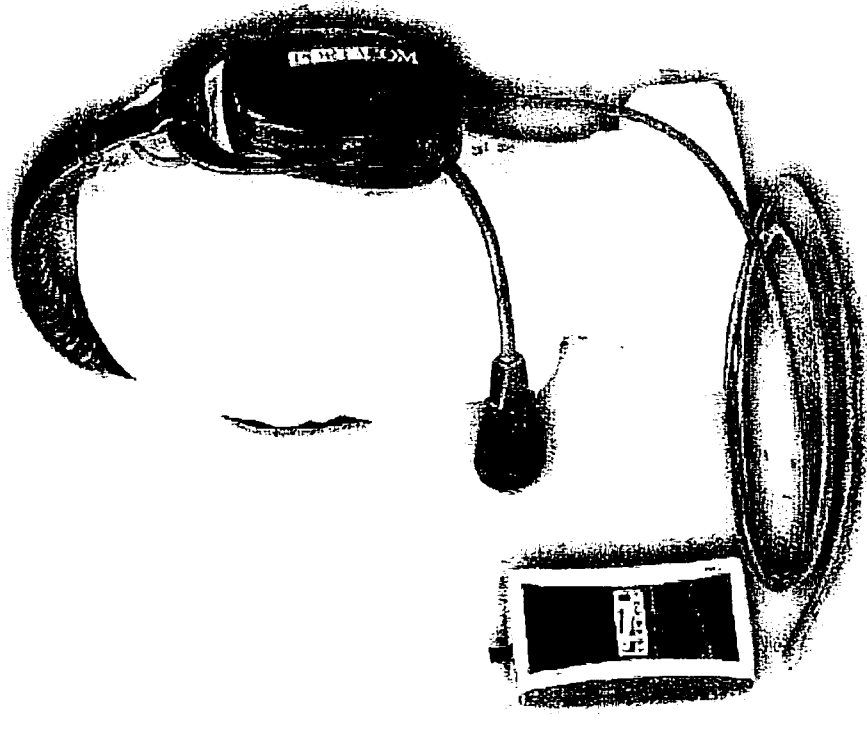
Anchor Audio, Inc.
(310) 784-2300
ANCHOR

HSW-300
(Single-Earpiece Standard Headset)

HW-300
(Dual-Earpiece Standard Headset)

ESW-300
(Concealed Single-Earpiece Headset)

LSW-300
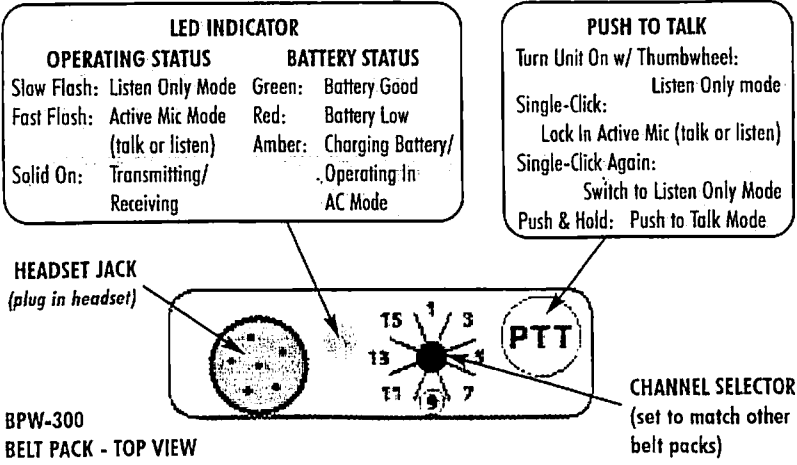*(Light-Weight Headband Style Headset)*

Description & Operation

What is PortaCom PRO? PortaCom PRO is a wireless full duplex intercom system that's easy to set up and use. The belt packs communicate directly to each other via a wireless signal that can travel up to 700 feet. If there are solid obstacles between two belt pack users, such as a concrete wall, the range will be diminished. Two people can talk at once into their microphones which are connected to the headsets. An unlimited number of people can listen via their headsets. If a third person attempts to talk over the other two, their conversation will be locked out until one of the other two stops talking.

> **NOTE: The Rechargeable NiMH Batteries Installed In The Belt Packs Must Be Charged For 5 HOURS Before First Use.**

BPW-300 Belt Pack

The BPW-300 has a 6 pin mini-XLR headset jack, channel selector, universal LED indicator light and the PTT *(push to talk)* button. Located on the side is the on/off and volume control thumb wheel.

LED INDICATOR		PUSH TO TALK
OPERATING STATUS	**BATTERY STATUS**	Turn Unit On w/ Thumbwheel:
Slow Flash: Listen Only Mode	Green: Battery Good	Listen Only mode
Fast Flash: Active Mic Mode	Red: Battery Low	Single-Click:
(talk or listen)	Amber: Charging Battery/	Lock In Active Mic (talk or listen)
Solid On: Transmitting/	Operating In	Single-Click Again:
Receiving	AC Mode	Switch to Listen Only Mode
		Push & Hold: Push to Talk Mode

HEADSET JACK
(plug in headset)

**BPW-300
BELT PACK - TOP VIEW**

CHANNEL SELECTOR
(set to match other belt packs)

The PortaCom PRO incorporates the following state-of-the-art features:

CHANNEL SELECTOR

1. To create a belt pack group, just have each member set their channel selector switch to the same number. There are 15 channels to choose from (channel 9 is dedicated to All Call), so you can set up 15 separate groups. For example, offense is on channel 6, defense on channel 11.

2. The director or coach can then easily switch between groups by dialing in their channel.

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3. Dial channel 9 the All Call feature, to speak to everyone in the group regardless of their channel selection. All headsets will light up with an orange light indicating All Call has been engaged. Two people can carry on a conversation in All Call and everyone else can listen.

4. As soon as the All Call operator stops talking, all users revert to original channel selection.

5. The All Call user must return to their original channel to disengage the All Call feature.

ACTIVE, LISTEN ONLY, OR PUSH TO TALK MODE

1. Turn on the belt pack using the thumbwheel on the side. A slow flashing light indicates you are in the listen only mode. Use this setting when you don't wish to talk on the system, but merely listen.

2. Click down the PTT button once to be in the active mode. The fast flashing light means you can talk into your mic and be heard by all of the other headsets. If the background noise around you is loud enough, it will also broadcast into the mic and trigger the voice activation. To exit the active mode, click the PTT button again, and you are back in the listen only mode.

3. Hold down the PTT button to be engaged in the push to talk mode. Just like a button on a walkie talkie, the mic will only pick up your voice if the button is held down. When you release the button, you are in the listen only mode (slow flashing light). This feature is perfect if you are in a loud environment and don't want the background noise to continually broadcast over your mic. Note - Push to talk is the preferred mode if a lot of users are jumping in and out of the conversation.

MICROPHONE GAIN ADJUSTMENT

1. The adjustable VOX knob can be set high if you need to whisper, or low if you are shouting or have a booming voice.

GAIN KNOB

2. If your voice sounds distorted through the microphone, turn down the blue knob to reduce the microphone gain.
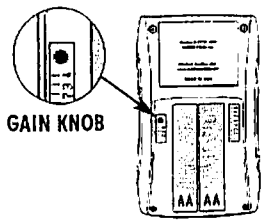
RECHARGEABLE BATTERIES

1. The batteries are located on the back of the belt pack. If the battery light turns red, you need to recharge the AA NiMH batteries. Plug in the AC-300 power adapter (included), and charge the unit for a minimum of 5 hours. If your transmission is becoming weak, the batteries are low and need charging.

> **NOTE: The NiMH batteries must be charged for 5 HOURS before first use.**

2. You can continue using the belt pack in the AC mode while it is charging.

3. AA alkaline batteries can be substituted for the rechargeable batteries. DO NOT connect the AC-300 charger if you have installed alkaline batteries as this could damage your belt pack.

U.S.E. (USER SELECTABLE ENCRYPTION)

1. PortaCom PRO comes with a simple, easy to use encryption method to make certain no one can listen in on your conversations.

2. All belt packs arrive with the encryption set in the OFF position so all your sets operate together. To set the encryption, follow the instructions below:

CUSTOMIZABLE FEATURE SWITCHES

ENCRYPTION SELECTION SWITCHES

ON POSITION

ON POSITION
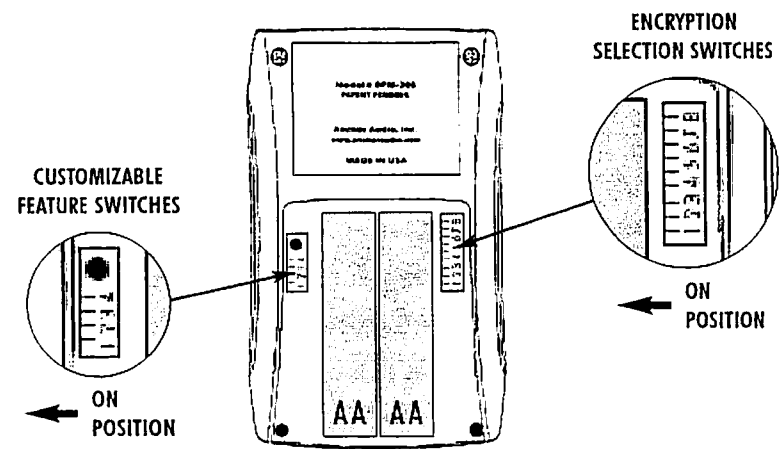
SETTING USER ENCRYPTION	
1. Remove the battery compartment cover by taking out the two screws and sliding the door down	to adjust the ON/OFF settings on any number of the eight switches
2. In the compartment locate the opening that houses eight small selection switches	4. Set the same ON or OFF switches pattern on each belt pack so they can communicate with each other
3. Use the included small screwdriver	6. Test the units to verify the code is correctly set

CUSTOMIZABLE FEATURES

1. Your PortaCom PRO can be customized using a set of onboard switches.

2. Just give us a call and we'll tell you how to set the switches if you want to customize your PortaCom PRO as follows:

- Set belt packs to push to talk only — SW 2
- Set any number of belt packs to receive only SW 3
- Disable the All Call feature — SW 1
- Disable Loop thru — SW 4

> **Anchor Audio Customer Service 800-262-4671**