User Manual

USER's MANUAL FOR

900MHz Wireless Headset

MODEL: 00005220

00005219, PMC-HS900XR, CCB-PLA1, CP-HSDR10-900

ALL SOLUTIONS YOU REQUIRED IN WIRELESS INTERCOM

CoachComm LLC

TABLE OF CONTENTES

1. General Information

1.1 Introduction

Thank you for purchasing "900MHz Wireless Headset". Wireless Headset is an integrated wireless intercom system for 900Mhz frequency that wireless intercom is assembled with a headset. This product provides excellent performance and coverage.

"900MHz Wireless Headset" is a compact and easy-to-use device with reliable performance, quality, and multifunctionality realized by state-of-the-art technology.
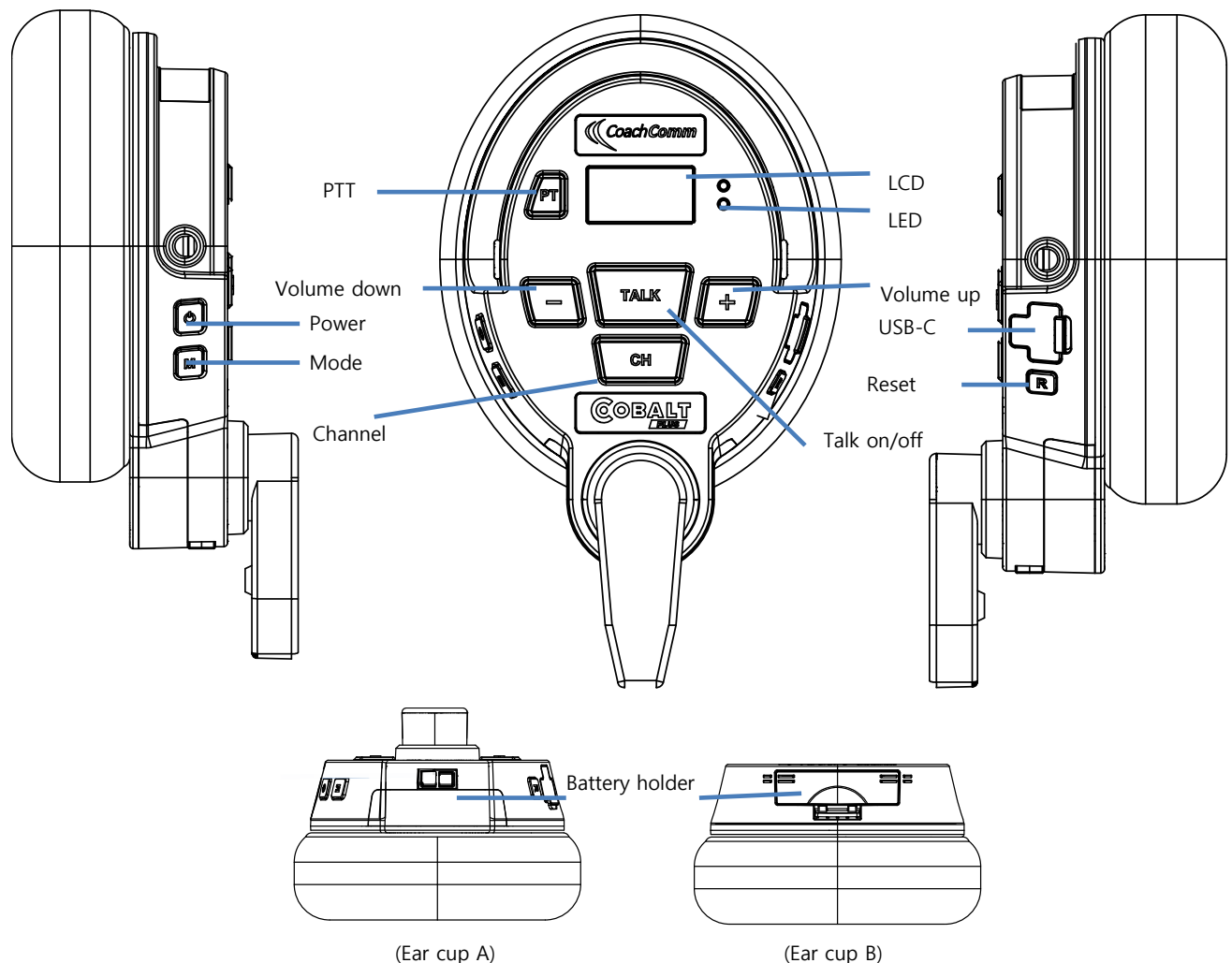
1.2 Main Feature
- Ideally suited for larger staffs
- Works great in larger stadiums
- Up to six available Talk Channels
- Compatible with the Cobalt PLUS Player Communications for practice
- Coach-friendly user interface with large, easy-to-read display
- 900MHz avoids Wi-Fi Interference and works better though press box glass
- Outstanding audio performance in high noise environments
- No Base station Required!
- Individual PIN encryption can be set per group and group & ID show on the same clear
   OLED display.
- Convenient drop-in charging system and USB charging system.
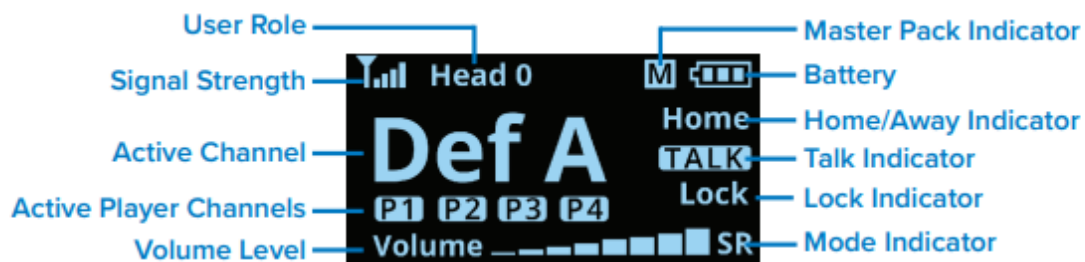- Efficient method of replaceable battery pack.

1.3 Package Components
- 900MHz Wireless Headset
- User's manual

2. Controls and Indicators

(Ear cup A) (Ear cup B)

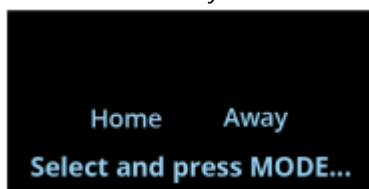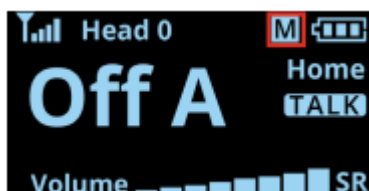| Item	Description
Power Button	Press and hold the Power button longer than 3 seconds to turn the device power on/off
Mode Button	Select group number, ID number, Side tone level, Talk on/off, Microphone sensitivity level, Audio output level selection
Up Button	Increase volume level, Select group number, and ID number etc. in each mode
Down Button	Decrease volume level, Select group number, and ID number etc. in each mode
Talk Button	Mute on/off
PTT Button	Talk on for ID A and PTT for relay mode selection
Headset Jack	3.5mm headset connection port
CH Button	Channel selection
USB Jack	USB port for firmware upgrade and battery recharge

3. DISPLAY INDICATORS

4. SETUP

4-1 Power on. Press and hold the POWER button for three (3) seconds, until the screen turns on.

4-2 On the Master device, select Home if you are the home team or Away if you are the visiting team. Use the (+) and (−) buttons to toggle between the options. (Selected option will blink.) Press and hold the MODE button to save your selection. This setting provides proper wireless coordination for your other devices and between your team and another device.

4.3 Maintain optimal line of sight with other devices. The "Head 0" device is the master (identified with "M" on the OLED) and is required for all devices to work. For best system performance, use the master on the sideline near other devices.

5. BATTERY

The rechargeable Lithium-ion battery is installed in the device. To recharge the battery, plug the USB charging cable into the device USB port.

The charging LED in the right top corner of the device will illuminate solid red while the battery is charging and will turn off once the battery is fully charged.

The battery charge time is approximately 4 hours from empty (USB port connection).

The device may be used while charging, but doing so may lengthen battery charge time.

6. OPERATION

6-1 LED Modes

 - Talk/State LED is blue and double blinks when logged in and single blinks when logged out.
- Charging LED is red when charging in progress. LED turns off when charging is complete.

6-2 Lock

To toggle between Lock and Unlock, press the TALK and MODE buttons simultaneously for 2 seconds. When the device is locked, the "Lock" will be displayed on the screen

6-3 Volume Up and Down

Use the + and − buttons to control the volume. "Volume" and a stair-step indicator display the device's current volume setting on the OLED.

6-4 Talk

Use the TALK button to enable or disable talk for the device. "TALK" appears on the OLED when enabled. » For normal users, use a single, short press to toggle talk on and off. » For Shared Talk users (Offense S and Defense S), press and hold while talking to enable it for the device. (Only one Offense S and one Defense S user can talk at a time.)

6-5 Channel

- Talk Channel: Short-press the CHANNEL button to cycle between the coaches' talk channels enabled on your Device.
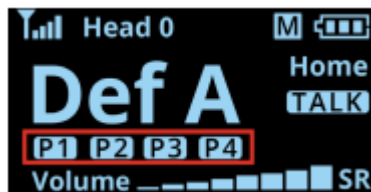

Refer to the table below for the available talk channels per Cobalt PLUS user role

Available Talk Channels							
User Roles	IDs	Offense			Defense		
		A	B	C	A	B	C
Head Coach	H0–H9	✓	✓	✓	✓	✓	✓
Offense Coach	O1–O9	✓	✓	✓			
Offense Shared*	OS	Shared Talk**					
Offense Receive Only	OR	Listen Only					
Defense Coach	D1–D9				✓	✓	✓
Defense Shared**	DS				Shared Talk**		
Defense Receive Only	DR				Listen Only		

*Only one Offense Shared Talk user and one Defense Shared Talk user can talk at a time.

**Shared Talk IDs (OS and OR) cannot be used at the same time as the last Offense/Defense full-duplex IDs

- Player Channel: Press and hold the CHANNEL button to communicate to any player channels enabled on your device.

Refer to the table below for the available player channels per ALL-IN-ONE Headset user role:

Available Player Channels								
User Roles	Offense				Defense			
	P1	P2	P3	P4	P1	P2	P3	P4
Head Coach***	✓	✓	✓	✓	✓	✓	✓	✓
Offense	✓	✓	✓	✓				
Defense					✓	✓	✓	✓

***When enabled, Head Coach roles can communicate to either Offense or Defense player channels, depending on what talk channel is currently active on the device

7. MENU SETTINGS

The following settings are adjustable from the device menu.

7-1 To access the menu, press and hold the MODE button for 3 seconds, until the screen changes to .<Setting Mode>

7-2 Short-press the TALK button to scroll through the settings: Head Coach Number, User role, Talk Channels, Player Channels, Mic Gain, and Side Tone

7-3 While viewing each setting, you may scroll through its options using the VOLUME +/− buttons; then, continue to the next menu item by pressing the TALK button. See the Table below for the available options under each setting

7-4 Once you have finished your changes, press and hold MODE to save your selections and exit the menu

Setting	Options	Description
Head Coach Number	01–10	Number of head coach user roles available on the system; the head coach user role is for anyone who needs the ability to switch between offense and defense talk channels.
User Role*	H0–H9 O1–O9 OS OR D1–D9 DS DR	Head Coach 1–10 Offense Coach Offense Shared Offense Receive Only Defense Coach Defense Shared Defense Receive Only
Talk Channels (list of channels depends on the user role selection)	Talk/Listen Listen Only Disable	Determines the behavior of each channel's talk function
Player Channels (list of channels depends on the user role selection)	Talk/Listen Listen Only Disable	Determines the behavior of each player channel's talk function
Mic Gain	1–8	Determines the headset microphone audio level being sent from the microphone pre amp.
Side Tone	On Off	Side tone allows you to hear yourself while talking. Louder environments may require you to enable your side tone.

* When selected, Head Coach roles default to Offense A and Defense A. Offense roles default to Offense A and Offense B. Defense roles default to Defense A and Defense B

7-5 RECOMMENDED MIC GAIN

The recommended mic gain setting for best compatibility is 1.

7-6 TECH MENU

MODE SETTING CHANGE

IMPORTANT! Do not change this setting during a game. Doing so may cause system settings to malfunction.

8. SPECIFICATIONS

SPECIFICATION	Details
Dimension	176mm x 210mm x 76.9mm
Weight	About 410g
Frequency Range	902.5Mhz ~ 927Mhz
Modulation	GFSK with FHSS
TX Power (peak)	About 25 dBm
Number of Talk Channels	6
Number of Player Channels	8
Antenna	Built-in antenna
Charge Type	USB Type-C, 5V 1–2A
Maximum Full Duplex Users	19
Number of Shared Users	Unlimited
Number of Listen Only Users	Unlimited
Indicators	OLED display for group number, ID, Volume level, Battery status, Operational mode, Talk on/off, Current mode
Battery Type	Rechargeable 3.7 V, 1,100 mA Li-ion fixed battery
Battery Operational Time	About 8 Hours
Battery Charing Time	About 4 Hours

Compliance to FCC US/CAN

-.This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s).

-.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 of the device.

-.This equipment has been tested and found to comply with the limits for a 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, uses 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 encouraged to try to correct the interference by one or more of the following measures:

  . Reorient or relocate the receiving antenna.

  . Increase the seperation between the equipment and receiver.

  . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

  . Consult the dealer or an experienced radio/TV technician for help.

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

-.Cet appareil est conforme à la RSS réglement de la IC. Le fonctionnement est sujet aux deux conditions suivantes: (1) Cet appareil ne peut causer d'interférences nuisi-bles (2) Cet appareil reçoit toute interférence même les interférences qui peuvent occasioner un mauvais fonctionnement.

L'appareil a été testé et jugé conforme aux limites des appareils numériques de classe B, aux termes de la réglementation RSS de l'industrie du Canada. Ces limites ont pour but d'assurer une protection raisonnable contre les interférences parasites lorsque l'appareil est utilisé dans une installation résidentielle. Cet appareil engendre, utilise et peut émettre une énergie radioélectrique et, s'iln'est pas installé et utilisé en stricte conformité avec ces instructions, il peut provoquer des interférences parasites dans les liaisons radiophoniques. Ceci ne garantit pas pour autant qu'une installation particulière n'émettra aucune interférence. Si l'appareil engendre des interférences parasites avec la réception radio ou télévision, ce qui pourra être déterminé en éteignant puis en rallumant l'appareil, il est conseillé à l'utilisateur d'essayer de corriger les interférences en prenant l'une des mesures ci-dessous:
• Modifier l'orientation ou changer l'emplacement de l'antenne de réception.
• Eloigner davantage l'appareil du récepteur.
• Brancher l'appareil dans une prise d'un circuit différent de celui auquel le récepteur est raccordé.
• Demander l'aide de son agent ou d'un technicien radio/télévision qualifié.

Warning !

Radiation Exposure Statement :

This portable equipment with its antenna complies with FCC's RF radiation exposure limit set forth an uncontrolled environment. To maintain compliance follow the instruction below;

-.This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.
-.Avoid direct contact to the antenna, or keep it to a minimum while using this equipment.

The product comply with the canada portable RF exposure limit set forth for an incontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Le produit est conforme à la limite d'exposition RF portable du Canada établie pour un environnement incontrôlé et est sans danger pour fonctionnement prévu tel que décrit dans ce manuel. La réduction supplémentaire de l'exposition RF peut être obtenue si le produit peut être maintenu aussi loin que possible du corps de l'utilisateur ou régler l'appareil sur une puissance de sortie inférieure si une telle fonction est disponible.

This product has been certified with the following antennas, and may only be used with the same or less antenna gain.
- Antenna type: internal F-PCB antenna(soldering type), Max. Gain: 3.83 dBi

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