

# X12-XLE

Professional Headset System



X12 – X12E - XLE Belt Pack



X12M Mini Helmet Receiver



HS-35 Headset



*"Designed by Coaches for Coaches"*

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# Caution

All X Series transceivers operate in the license-free 900MHz ISM band and are subject to the Rules and Regulations of the FCC.

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.

NOTE 1 : The Grantee Is Not Responsible For Any Changes Or Modifications Not Expressly Approved By The Party Responsible For Compliance. Such Modifications Could Void The User's Authority To Operate The Equipment.

NOTE 2 : 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 or commercial 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 the dealer or an experienced radio/TV technician for help.

NOTE 3 : This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.

NOTE 4 : Although communication will work fine, we still encourage while in a press box, the optimum place to put the belt pack is nearest the window and position it or elevate it where the belt pack can see the entire field.

NEVER keep the belt pack on your hip or below ANY OBSTRUCTION while in the press box.

Please pass this along to the coaches or individuals that are setting up the headsets prior to kickoff .

# Caution

- Do not put sharp or hard materials into the speaker hole when using this product.
- Do not attempt to repair the transceiver or other components of the system yourself.
- Do not leave components in vehicle during extreme hot/cold weather for long periods of time.
- Leaving in a extreme hot area (+110 degrees Fahrenheit) for a long period of time may result in deformation or malfunction of this product.
- Use only the provided charger and cable for charging. Using a third party charger may cause fire.
- Stop using immediately if you see fire or smell smoke from this.
- Stop using immediately when exposed to risk of fire.
- Do not use third party's components, such as batteries, chargers, cables or headsets.
- Keep components clean by using a damp cloth when exposed to extreme dirt or water.
- If submerged in water, cease operation and contact customer service at 859-299-9494.

## Certification :

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Identification Code : Shown below  
Company Name: Westcom Wireless, Inc  
dba / ProCom USA

Engineering Country USA

Software Development Country USA

Firmware Development Country USA

Electronic PC Board Manufacturer <1.06 Japan, 1.06 USA

Plastic Case Manufacturer Country Ver 1.00 – 1.05, Taiwan, Ver 1.06 Korea,

Final Assembly Country USA

Headset Manufacturer Country USA

Manufacturing Date: Marked Separately

Li-Ion Battery Country used in Belt Pack and Mini Receiver, Japan

Model Name: Shown Below

Output Rating: Shown Below

Date of Manufacture: Separately Shown

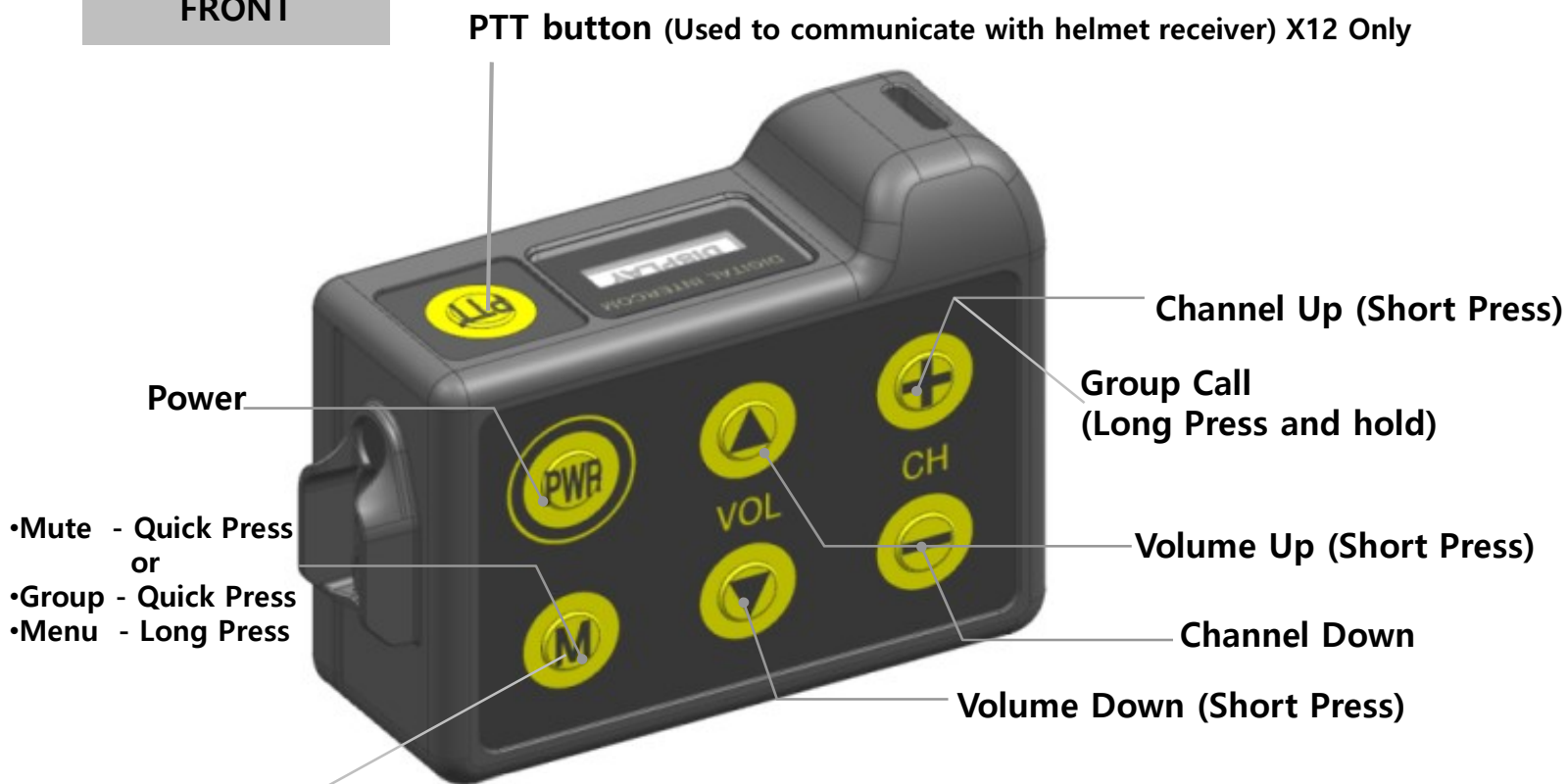
FCC Type Acceptance: Westcom USA

Model Name	Output Rating	Identification Code
ProCom X Series	500mW FSK, 250 GFSK	2AO37X12

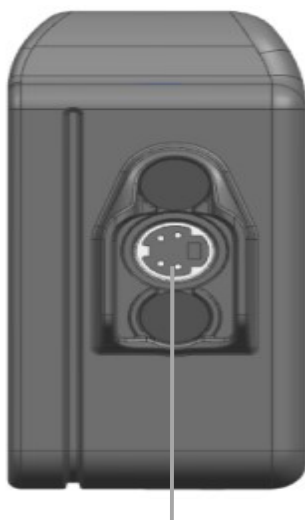
# Introduction

## Product Image

### FRONT



### TOP & SIDE & BOTTOM



Headset Port

8 Characters Display for User Name and Channel Name, Users on Channel and Battery Charging Level



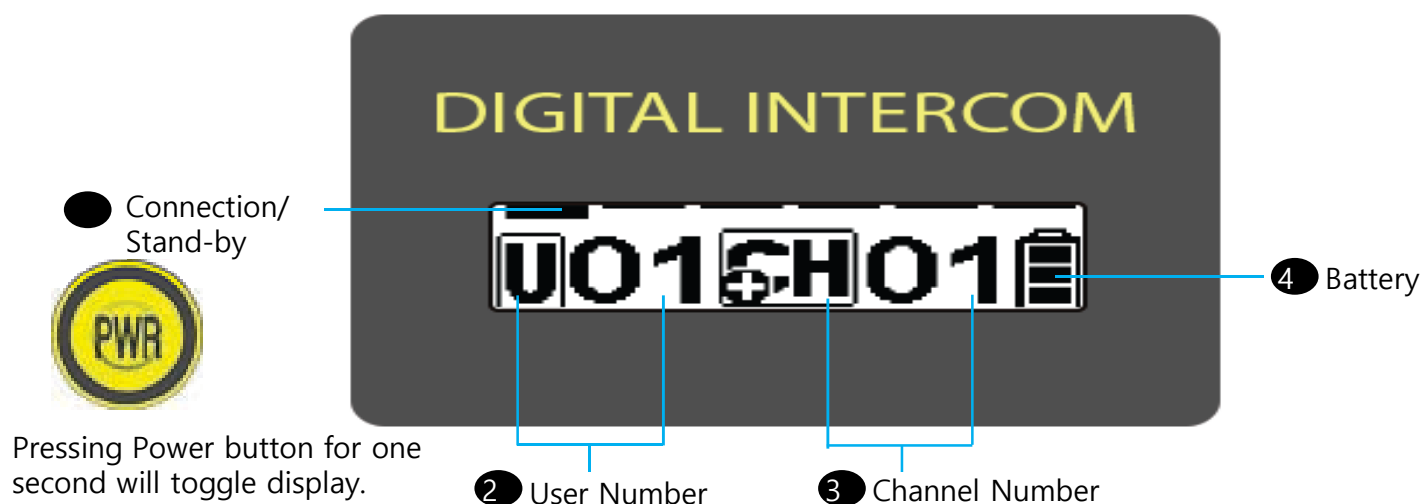
# Functions

## 1. Power

Power on, off with PWR button (Hold for two seconds).



## 2. Current Setting Display



1. Connection/Stand-By : Twelve bars on the upper display shows connection or — stand-by —.

2. User Number : displays the User Number that your device is set to.

3. Channel : **CH** means the current channel number that your belt pack is set to.  
If your belt pack is the Master Belt Pack set the **CH** User Number to 01 on the display.

4. Battery : Indicates current battery level.

When the battery is running low, the battery ICON will begin blinking.



More than 80%



Below 50%



Below 20%

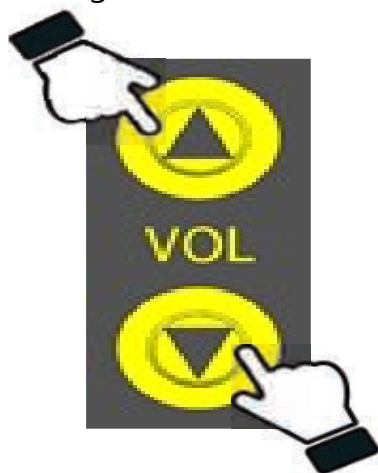
### ! Note

If device is left in standby status for half hour, it will automatically turn off for power-saving.  
Standby status means a device is ready for pairing two belt packs.

# Functions

## 3. Volume Setting and Group Call (Long Press for Group Call for X12 or X12E).

Volume level ranges from 0 to 8. (Factory Default is 5).




Note

Volume 0 means no audio volume

## 4. User Number Setting

User Number ranges from User 1 to User 12. User 1 is factory set as the Master Belt Pack. Each device occupies one user number. **Having two devices with the same User Number will cause interruption in communication.**

STEP 1

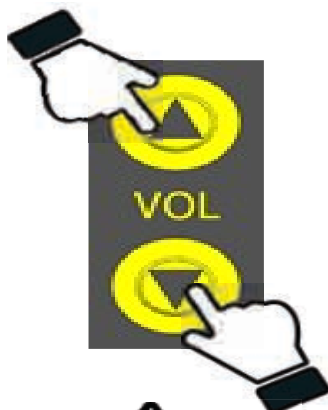
Press and hold  button to go to Menu and then choose "7. User".



Press PTT button to select

STEP 2

Choose between "User 1" and "User 12"  
(User 1 is always the Master)



Press PTT button to complete



Note

- There MUST be one Master Device for each communication group.
- Press and hold PTT button for transmitting to the X12M Mini Helmet Receiver

# Functions

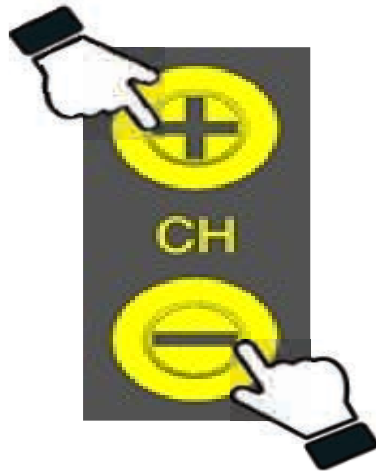
## 5. Channel Setting

Belt packs should be set to the same channel number for communication.

Depending on your system's configuration, you may have multiple channels. Belt packs on the same channel can communicate to each other..



### STEP 1

The X12 belt pack can have a maximum of six talk paths (channels). Your X12 belt pack is pre-programmed depending on the number of channels that has been purchased with your order. Channels 5 and 6 are usually reserved for the X12M Mini Helmet Receiver. The XLE has a maximum of 2 channels.





Select a channel number  
by pressing Channel Up or Down button

### OPTION 1

When **Rotation** is turned "**OFF**" the channel selection will stop at the first or last channel programmed into your belt pack. If you press  the channel selection will stop at channel 1. If you press , the channel selection will stop at the last channel programmed into your belt pack.

### OPTION 2

When **Rotation** is turned "**ON**" the channel selection will rotate. If your belt pack is set to the last channel and you press  the belt pack will rotate to channel 1. If you press  and your belt pack is on channel 1, the belt pack will go to the last channel programmed in your belt pack.



# Functions

## 6. Pairing (Grouping multiple belt packs to the same system)

Below pairing procedure should be done to establish communication group.

**PLEASE NOTE: YOUR SYSTEM HAS ALREADY BEEN CONFIGURED. PAIRING IS NOT NECESSARY AND NOT RECOMMENDED.**

### STEP 1

Pairing is made between the Master Belt Pack and the remaining belt packs. Each belt pack must be set to a different user number. **Belt packs can not have the same User ID number.**

### STEP 2



Press and hold 'M' button to go to Menu and then select "6. Pairing".



6.Pairing  
7.User



Push PTT button to select

### STEP 3

Once pairing has completed, paired devices go to stand-by display. If you press 'M' button while pairing is being processed, the pairing is canceled and the belt packs go to stand-by mode.

Pairing...  
60



#### Note

Pairing is automatically canceled if pairing is not completed within 60 seconds.


# Functions

**7. Noise Cancel** (No longer available on Version 004 or greater. Noise cancel on all firmware versions is now automatic and changes is not recommended.

## 8. Beep Sound

You can turn the warning and/or button sound on or off depending on user's preference.

STEP 1

Press and hold  button to go to menu and select "5. Beep Sound".  
Factory default setting is Disabled

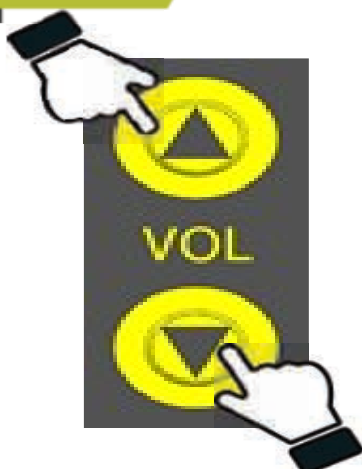


2. Beep Sound  
3. Brightness



STEP 2

Choose between "Enable" and "Disable"



☒ Enable  
Disable



Push PTT button to select


Push PTT button to select

# Functions

## 9. Display Brightness Setting

You can adjust display brightness level.

### STEP 1

Press and hold  button to go to menu and then select "3. Brightness".



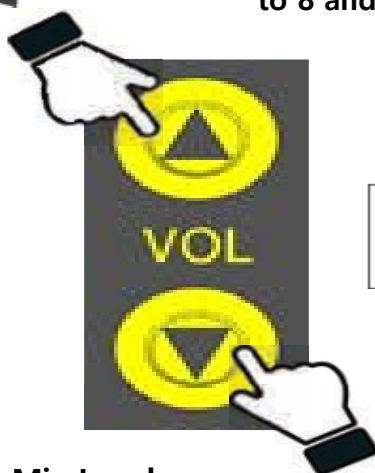
3.Brightness  
4.Mic Level



Push PTT button to select

### STEP 2

Choose between "0" and "8". **Factory default is set to 8 and is recommended for daytime games.**



Brightness  
5




Push PTT button to select

## 10. Mic Level

You can adjust the Microphone Volume level. With this function your voice transmission is clearer if you set it depending on your voice level. **Factory default is 4.**

### STEP 1

Press and hold  button to go to menu and then select "4. Mic Level".



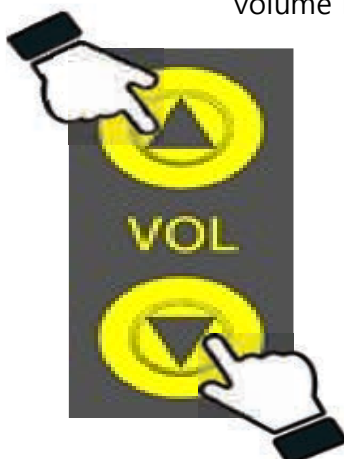
4.Mic Level  
5.Side Tone



Push PTT button to select

### STEP 2

Choose between "0" and "8". The higher number you choose, the higher microphone volume it transmits. **"Mic Level" 0 means microphone is muted.**



Mic level  
6




Push PTT button to select

# Functions

## 10. Information

You can check the device's version.

### STEP 1

Press and hold  button to go to menu and then select "8. Information".



8. Information  
9. Exit



Push PTT button to select

## 11. X12 Version only - Mode (PTT Button) can be programmed for one of two modes.

**Mode 1** – Used as PTT belt packs. You can have an unlimited number of PTT belt packs. Please note: Only one PTT user can transmit at a time. The second attempt by a PTT user will hear three beep tones indicating that another user is using the PTT feature.

**Mode 2** – Preset before leaving the factory. In this is an optional feature and is used to communicate from the belt pack to the wireless mini helmet receiver. There are two modes that can be programmed.

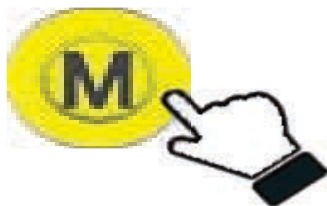
- (1) An X12 belt pack can be assigned to a specific group of helmet receivers regardless of the channel being used.
- (2) A X2 belt pack can be programmed to communicate to different groups of helmet receivers by switching channels on the X12.



Push PTT button to select

## 12. Mic Mute

User 1~12 can mute or un-mute the microphone by (1) quickly pressing the "M" or (2), Raising the microphone boom upwards to mute the belt pack or down to un-mute the belt pack. The user will hear the word "Mute" when the belt pack is first muted. Users can only listen if they mute the belt pack.



On the X12 or XLE, push 'M' button to toggle between mute and un-mute. On the X12E is to switch between Group 1 and Group 2.

When the microphone boom is up, the belt pack is muted.

When the microphone boom is down, the belt pack is not muted.

Microphone boom pivot point. Place your finger here to pivot the boom.



## 13. Side Tone

You can turn on or off the Side Tone function.

If you turn on the Side Tone, you will hear what you are saying in real time. **Factory default is Off.**

## 14. How to Charge

While on charge, a orange LED on the lower display illuminates and becomes dimmer once the device is fully charged.



### Note

- Please only use the provided charging adapter.
- The battery level indication while on charge could be different from the actual battery level.
- We don't recommend charging a device with power on.
  - If you leave a device charged with power on for one day, it could self-discharge.  
(When this happens, please make sure to re-charge it).
  - Please make sure to turn off the device before charging it to get it fully charged.

## Following is the list of frequent questions and answers.

- 1 I cannot communicate with other devices.
  - Check if your device is paired with User 1 (Master Device).
  - In your group, check if User 1 (Master Device) exists.
- 2 I cannot join a group communication.
  - Check if other users are connected on the display.
  - Check if there is a User 1 (Master Device) in the group.
  - You might be too far from User 1 to get the signal from it.
- 3 I cannot turn on the device.
  - Make sure the belt pack is fully charged. Once charged, press the PWE button in for two seconds.
- 4 I lose connections sometimes.
  - Check if other users are connected on the display.
  - Check if someone is using the same user number as yours.
  - **If you are using a belt pack in a press box, make sure that the belt pack has a entire view of the field. NEVER keep the belt pack on your hip or below ANY OBSTRUCTION while in the press box.**
- 5 Other users' voice sounds broken.
  - Check if the distance between the users is too far.
  - Other users can barely hear my voice.
  - Check if you set MIC level low.
  - Check if the headset microphone is a little far from your mouth.

# Specifications and Cautions

Frequency	902MHz~928MHz
Transmission Distance	Up to ½ mile (Line of Sight)
Battery Full Charge Time	Less than 3 hours for maximum charge
Battery Lifetime	18 Hour Maximum
Battery	Rechargeable Li-ion 3.7V Battery
Dual Transmission Output	250mW GFSK or 500mw FSK
Dual Packet Redundancy	DPR-4 Q Standard for Interception of Packet Loss
Frequency Hopping Method	Quad Paring Look-a-Head Technology (Patented)
Number of Channels	XLE: 2 X12 and X12E Up to 6
Number of Users	XLE: 8 Open Full Duplex, "Open Mic". X12 12 Full Duplex, "Open Mic", Unlimited PTT and Receive Only X12E: 30 Full Duplex "Open Mic", Unlimited PTT and Receive Only
Weight	190g (less than ½ pound)
Size	Width(w) : 92mm Height(h) : 75.5mm Thickness(t) : 35mm
Working Temperature	-10/+50
Dual Split Modulation System	GFSK and FSK
Transmission Method	VTDMA

The functions of the belt packs may change without notice for product improvement purpose.  
Transmission distance may vary depending on the surrounding obstacles and humidity.

## I Caution I

Please make sure to read through the below safety requirements before using this product.  
If these are not followed well, incidents like fire or explosion may happen.

- DO NOT separate / modify the antenna and DO NOT use a modified antenna.  
It will degrade the performance of the belt pack, which results in serious breakdown as the belt pack generates a strong radio wave through the antenna.
- ONLY the provided charging adapter is acceptable to use with the belt pack. DO NOT use a third-party power adapter or the battery or belt pack may be damaged and could cause a fire or explosion of the belt pack.
- USE this device only for permissible communication.
- DO NOT take apart or modify this device yourself. Otherwise, this could result in a malfunction which our warranty doesn't cover. Also, you might be subject to a penalty according to a relevant FCC communication law.
- DO NOT change the frequency or use other frequencies. Otherwise, you might be subject to a penalty according to a relevant communication law.
- AVOID direct sunlight and high humidity for a long period of time.
- DO NOT leave the device in a car with temperatures exceeding 110 degrees Fahrenheit.

# ProCom Quick Start Guide

1. Make sure the battery is fully charged
2. Plug in the HS-35S or HS-35D headset into the Belt Pack
3. Turn on the belt pack by holding the power button in for 2 seconds
4. Belt pack will display
  1. PROCOM
  2. Firmware Version
  3. Belt pack name
  4. The current channel belt pack is set to.
5. Adjust volume control by using the Up/Down buttons
6. Set desired channel by pressing + or –
7. When the microphone boom is:
  1. In the down position, the belt pack is not muted
  2. In the up position, the belt pack is muted.

NOTE: The boom is made to be very stiff to prevent it from dropping over time. To move the boom, place your fingers and thumb near the round pivot point where the boom connect to the headset.



8. When using the X12MR mini helmet receiver:

Upon pressing the PTT button, three settings are triggered.

  - (a) The length permitted to talk to the helmet receiver
  - (b) The alert tone notifying you that there are X seconds left for that transmission.
  - (c) The time that must pass before you can transmit again.
  - 1 Beep – Begin to talk
  - 2 Beeps – X time remaining before PTT feature ends
  - 3 Beeps – PTT has ceased. You must wait X seconds before using PTT (Settings a, b and c are set by ProCom depending on conference rules).

9. While in a press box, the optimum place to put the belt pack is nearest the window and position it or elevate it where the belt pack can see the entire field.

**NEVER keep the belt pack on your hip or below ANY OBSTRUCTION while in the press box.**

**Please pass this along to the coaches or individuals that are setting up the headsets prior to kickoff.**





# Quick Reference Guide

## PTT: (Multi Use)

1. Press and hold if programmed to communicate to helmet receiver.
2. Press and hold if programmed for Push To Talk.

## Power Switch: (Multi Use)

Long Press

Hold for 2 seconds to turn on or off.

Quick Press

Switches Display Between

Channel Name

Firmware Version

User ID

Battery Level

Current Talk Group on X12E Only

## Alpha/Numeric Display:

1. Displays Channel Name
  2. Firmware Version
  3. User ID
  4. Battery Level
  5. Current Talk Group on X12E only
- Toggle between features using the PWR button.

## Channel Select:



## Headset Jack:

Plug in so the cable is exiting down.

## Volume Level: (Multi Use)

Quick Press:

Changes Volume Settings

Long Press:

On X12 and X12E Group Call. While holding the Up or Down Arrow will allow the user to broadcast to all Users regardless of the channel they are on.  
*Available on Firmware 004 or greater*

## Multi Function Button (Multi Use)

Long Press:

Enter Menu Mode

Quick Press Toggle

X12 and XLE will Mute/Unmute the Headset

X12E will Toggle between Group 1 and Group 2



Customer Service

859-299-9494