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PLIANT TECHNOLOGIES MicroCom 900XR Wireless Intercom User Guide

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PLIANT TECHNOLOGIES MicroCom 900XR Wireless Intercom

Product Information

The MicroCom 900XR is a wireless intercom system designed for use in live performance and broadcast applications. It features a belt pack with a built-in OLED screen, headset connection, and multiple indicators for signal, channel, and battery status. The system operates on the license-free 900 MHz frequency band and offers up to 12 hours of battery life.

Customer Support

Pliant Technologies provides technical support via phone and email from 07:00 to 19:00 Central Time (UTC-06:00), Monday through Friday. You can reach them at:

- 1.844.475.4268 or +1.334.321.1160
- customer.**support@plianttechnologies.com**

You may also visit their website for live chat help. Live chat is available from 08:00 to 17:00 Central Time (UTC-06:00), Monday through Friday.

Additional Documentation

This quick start guide is intended to give you basic information on how to set up and operate your MicroCom 900XR system. For more detailed information on menu settings, device specifications, and product warranty, you can view the full MicroCom 900XR Operating Manual on their website. You can scan the QR code provided in the manual with your mobile device to navigate there quickly.

Included Accessories

The MicroCom 900XR comes with the following accessories:

- Beltpack
- Antenna
- USB Charger Connection
- User Manual

Optional Accessories

You can purchase the following optional accessories for your MicroCom 900XR system:

- Headsets
- Chargers
- Battery Packs
- Antenna Extension Cables

Setup

1. Attach the beltpack antenna. It is reverse threaded; screw counter-clockwise.
2. Connect a headset to the beltpack. Press firmly until it clicks to make sure the headset connector is seated properly.
3. Power on. Press and hold the Power button for 2 seconds until the screen turns on.

Note: Repeater Mode is the default setting. See the MicroCom 900XR Manual for information about modes, how to change the mode, and each mode's settings.

Operation

- To talk, press and hold the Talk button for 1 second or longer. Talk will remain on until the button is released.
- Each separate MicroCom system should use the same Group and Security Code for all beltpacks in that system.

- Pliant recommends that systems operating in proximity to one another set their Groups to be at least ten (10) values apart.
- Battery charging time is approximately 3 hours. Using a different charger may lengthen charge time.

Menu Options

Aside from Group and User ID, the following settings are adjustable from the beltpack menu:

Menu Setting	Default	Options
Side Tone	On	On, Off
Mic Gain	1	1-7
Channel A	On	On, Off
Channel B*	On	On, Off*
Security Code	0000	Alpha-numeric
Dual Listen*	Off	On, Off*

*Channel B and Dual Listen not available in Roam Mode.

Recommended Settings by Headset Type

Headset Type	Mic Gain
SmartBoom LITE and PRO	1
MicroCom in-ear headset	7
MicroCom lavalier microphone and eartube	5

OVERVIEW

IN THIS BOX

WHAT'S INCLUDED WITH MICROCOM 900XR?

- BeltPack
- Li-Ion Battery (Installed during shipment)
- USB Charging Cable
- BeltPack Antenna (Reverse-threaded; attach to belt pack prior to operation.)
- Quick Start Guide
- Product Registration Card

ACCESSORIES

OPTIONAL ACCESSORIES

- PAC-USB6-CHG: MicroCom 6-Port USB Charger
- PAC-MCXR-5CASE: IP67-rated MicroCom Hard arry Case
- PAC-MC-SFTCASE: MicroCom Soft Travel Case
- PBT-XRC-55: MicroCom XR 5+5 Drop-In BeltPack and Battery Charger
- PMC-REC-900: MicroCom XR Receiver
- ANT-EXTMAG-01: MicroCom XR 1dB External Magnetic 900MHz / 2.4GHz Antenna
- PAC-MC4W-IO: Audio In/Out Headset Adapter for MicroCom XR series

- Selection of compatible headsets (see Pliant website for more details)

SETUP

1. Attach the belt pack antenna. It is reverse threaded; screw counter-clockwise.
2. Connect a headset to the belt pack. Press firmly until it clicks to make sure the headset connector is seated properly.
3. Power on. Press and hold the Power button for 2 seconds until the screen turns on.
4. Access the menu. Press and hold the Mode button for 3 seconds until the screen changes to <Setting Mode>. Short-press Mode to scroll through the settings, and then scroll through setting options using Volume +/−. Press and hold Mode to save your selections and exit the menu.

Select a group

Select a group number from 00–51 (or 00-24 for the PMC-900XR-AN model).
IMPORTANT: BeltPacks must have the same group number to communicate.

Select an ID

Select a unique ID number.

- Repeater* Mode ID options: M, 01–08, S, or L.
- One belt pack must always use the "M" ID and serve as the master belt pack for proper system function.
- Listen-only belt packs must use the "L" ID. You may duplicate ID "L" on multiple belt packs.
- Shared belt packs must use the "S" ID. You may duplicate ID "S" on multiple belt packs, but only one shared belt pack may talk at a time.
- When using "S" IDs, the last full-duplex ID cannot be used ("08" in Repeater Mode).

Confirm belt pack's security code

- All belt packs must use the same security code to work together as a system.
- Repeater Mode is the default setting. See the MicroCom 900XR Manual for information about modes, how to change the mode and each mode's settings.

OPERATION

- LED Modes – Blue (double blink) when logged in. Blue (single blink) when logged out. Red when battery charging is in progress (LED turns off when charging is complete).
- Lock – To toggle between Lock and Unlock, press and hold the Talk and Mode buttons simultaneously for 3 seconds.
  "Lock" appears on the OLED when locked.
- Volume Up and Down – Use the + and − buttons to control the headset volume. "Volume" and a stair-step indicator display the belt pack's current volume setting on the OLED. You will hear a beep in your connected headset when the volume is changed. You will hear a different, higher-pitched beep when the maximum volume is reached.

- Talk – Use the Talk button to enable or disable talk for the device. "TALK" appears on the OLED when enabled.
  - Latch talking: A single, short press of the button.
  - Momentary talking: Press and hold the button for 2 seconds or longer; talk will remain on until the button is released.
  - Shared users ("S" ID) utilize momentary talking. Only one Shared user can talk at a time.
- Mode – Short-press the Mode button to toggle between the channels enabled on the belt pack. Long-press the Mode button to access the menu.

Multiple MicroCom Systems

Each separate MicroCom system should use the same Group and Security Code for all belt packs in that system. Pliant recommends that systems operating in proximity to one another set their Groups to be at least ten (10) values apart. For example, if one system is using Group 03, another system nearby should use Group 13.

Battery

- Battery life: Approx. 12 hours
- Charge time from empty: Approx. 3.5 hours (USB port connection) or approx. 6.5 hours (drop-in charger)
- The charging LED on the belt pack will illuminate red while charging and will turn off when charging is complete.
- The belt pack may be used while charging, but doing so may lengthen charge time.

Menu Options
Aside from Group and User ID, the following settings are adjustable from the belt pack menu.

Menu Setting	Default	Options
Side Tone	On	On, Off
Mic Gain	1	1–8
Channel A	On	On, Off
Channel B*	On	On, Off
Security Code	0000	Alpha-numeric
Dual Listen*	Off	On, Off

- Channel B and Dual Listen not available in Roam Mode.

Recommended Settings by Headset

Headset Type	Recommended Setting
	Mic Gain
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Additional Documentation

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Documents / Resources

PLIANT TECHNOLOGIES MicroCom 900XR Wireless Intercom [pdf] User Guide
MicroCom 900XR Wireless Intercom, MicroCom 900XR, Wireless Intercom, Intercom

References

- **Pliant Technologies Wireless Intercom Solutions**