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 you purchased your system from or Anchor Audio Customer Service at (888) 444-6077 to obtain a RA *(Return Authorization)* number. All shipments to Anchor Audio must include an RA number and must be shipped prepaid. C.O.D. shipments will be refused and returned at your expense.

IMPORTANT: Save the shipping box & packing materials, they were specially designed to ship your unit!

WARRANTY REGISTRATION

Visit our website at www.anchoraudio.com and select "Warranty Registration". Complete the online form to activate the two-year limited warranty on your WingMAN.

TROUBLESHOOTING?

INTERFERENCE IN ANCHORMAN HEADSETS?

Switch your belt pack settings to a different AnchorMAN USER GROUP: A, B, C or D.

BACKGROUND NOISE TRANSMITTING ACROSS SYSTEM?

Reduce the headset microphone sensitivity level. Adjust the AnchorMAN mic sensitivity with the +/− Microphone buttons on the belt pack.

TRANSMISSION IS WEAK?

Your rechargeable batteries may be running low. If batteries are weak, the Group LED's will slowly flash. Your belt pack needs to be recharged. If you need to keep working, you can use disposable alkaline batteries.

PROPER INTERCOM ETIQUETTE

WingMAN is an interface station that allows full duplex communication between AnchorMAN belt packs and unbalanced party-line intercom systems. Use proper intercom etiquette – wait to break into the conversation network until the other system users have stopped speaking.

ANCHOR AUDIO CUSTOMER SERVICE

888-444-6077

WINGMAN TECHNICAL SPECIFICATIONS

Range (line of sight)	1,500' / 450 m	Antenna	1/2 wave length dipole
FCC License	User Registration	Antenna Length	7.2" / 182 mm
Selectable Wireless Groups	4	Dimensions	8.5 x 4.5 x 1.7 in / 21.6 x 11.4 x 4.32 cm
Selectable Wired Channels	2	Weight	2.4lbs / 1.1kg
Frequency	944 – 952 MHz		
Frequency Settings	4 per Group		
Output Power	8 dBm	**FCC ID: J8ZWM-900**	
DC Requirements	9V – 0.5A		
Interface Connector	3-pin female XLR		

RoHS COMPLIANT

(Specifications subject to change without notice)

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

WINGMAN
INTERCOM ADAPTOR

OWNER'S MANUAL

ANCHOR®

A MESSAGE FROM THE OWNER

Thank you for choosing an Anchor Audio 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

BASIC SYSTEM OPERATION

1. Attach supplied antennas to the "RX" & "TX" back panel jacks.

2. Connect your wired intercom system to the 3-pin XLR back panel jack "INTERFACE".

3. Connect DC power supply.

4. Set DIP Switch #4 to designate wired intercom system.
   DIP Switch #4 Settings:
   ON (DOWN) — 100 ohm systems (Anchor Audio PortaCOM)
   OFF (UP) — 200 ohm systems (Clearcom or RTS)

5. ANCHOR AUDIO PORTACOM USERS ONLY: Select wired channel according to PIN CONFIGURATION on back panel.

6. Set GROUP knob to the AnchorMAN belt packs GROUP.

7. Turn the WingMAN power switch to ON.

8. Adjust WIRED & WIRELESS VOLUME to desired listening levels.

NOTE: AnchorMAN belt packs assigned to the same Group & Frequency as the WingMAN will experience interference when transmitting.
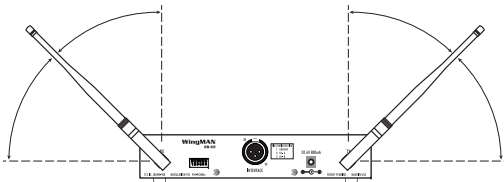
WHAT IS WINGMAN?

WingMAN is an interface station that allows full duplex communication between AnchorMAN belt packs and unbalanced party-line intercom systems.

The WingMAN includes a transceiver that operates in a FDMA format which is compatible with AnchorMAN belt packs. An integrated interface circuit makes it possible to easily interface the transceiver with party-line intercom systems.

This allows users to easily switch communications between one of the four AnchorMAN groups and one of two party line groups.
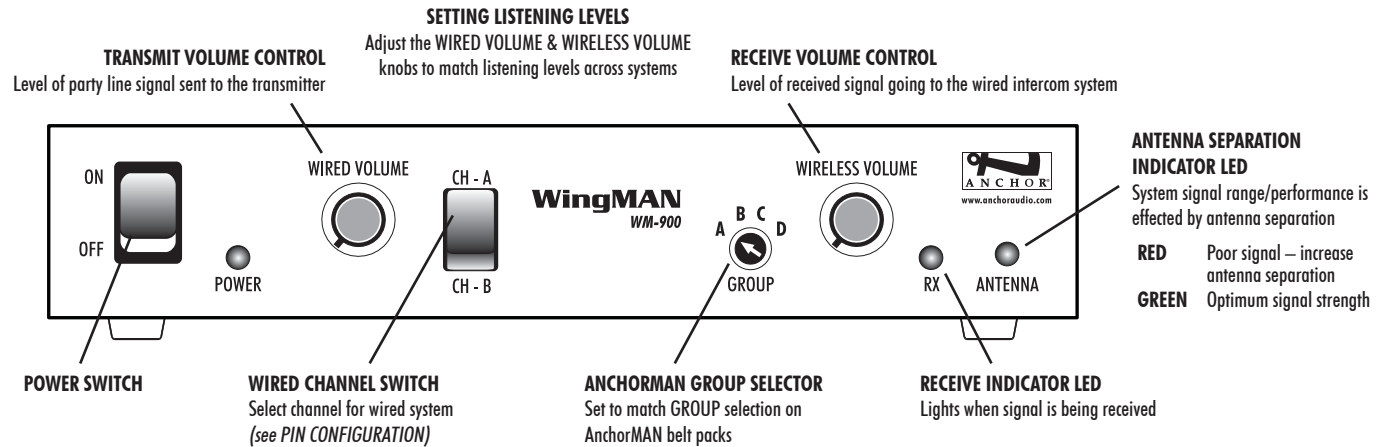
ANTENNA PLACEMENT

In order to maximize system range/performance the WingMAN is designed with dual antennas. Generally, the greater the antenna separation the better WingMAN will perform. After connecting both antennas adjust their positions until Strong signal quality is indicated by the ANTENNA LED.

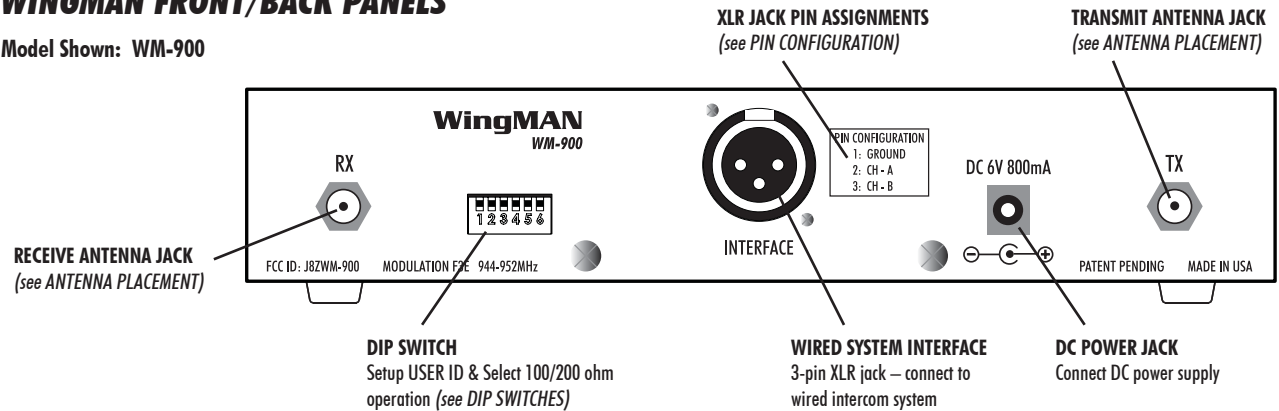The ANTENNA LED shows range/signal quality based on antenna separation:

RED = Weak Signal / Green = Strong Signal

For increased range and better signal quality mount antennas using the optional Antenna Mounting Kit (includes cables & mounting hardware) to achieve maximum separation. We recommend a minimum of 10' between antennas.

SETTING LISTENING LEVELS
Adjust the WIRED VOLUME & WIRELESS VOLUME knobs to match listening levels across systems

TRANSMIT VOLUME CONTROL
Level of party line signal sent to the transmitter

RECEIVE VOLUME CONTROL
Level of received signal going to the wired intercom system

ANTENNA SEPARATION INDICATOR LED
System signal range/performance is effected by antenna separation

RED — Poor signal — increase antenna separation
GREEN — Optimum signal strength

POWER SWITCH

WIRED CHANNEL SWITCH
Select channel for wired system
(see PIN CONFIGURATION)

ANCHORMAN GROUP SELECTOR
Set to match GROUP selection on AnchorMAN belt packs

RECEIVE INDICATOR LED
Lights when signal is being received

WINGMAN FRONT/BACK PANELS

Model Shown: WM-900

XLR JACK PIN ASSIGNMENTS
(see PIN CONFIGURATION)

TRANSMIT ANTENNA JACK
(see ANTENNA PLACEMENT)

PIN CONFIGURATION
1: GROUND
2: CH - A
3: CH - B

FCC ID: J8ZWM-900   MODULATION FTE 944-952MHz

DC 6V 800mA   TX

PATENT PENDING   MADE IN USA

RECEIVE ANTENNA JACK
(see ANTENNA PLACEMENT)

DIP SWITCH
Setup USER ID & Select 100/200 ohm operation (see DIP SWITCHES)

WIRED SYSTEM INTERFACE
3-pin XLR jack — connect to wired intercom system

DC POWER JACK
Connect DC power supply

DIP SWITCHES

USER ID Selection – DIP Switches 1 & 2
WingMAN uses one of four GROUP/USER IDs to communicate with the AnchorMAN. Select a USER ID (1 – 4) by setting DIP Switches 1 & 2 on the back panel:

SWITCH	USER 1	USER 2	USER 3	USER 4
1	UP	DOWN	UP	DOWN
2	UP	UP	DOWN	DOWN

AnchorMAN belt packs with the same GROUP & USER ID setting may experience significant transmission interference.

Wired Interface Setup – DIP Switch 4
Determines impedance match of the wired interface.

DIP Switch #4 Settings:
ON (DOWN) – 100 ohm systems (Anchor Audio PortaCOM)
OFF (UP) – 200 ohm systems (Clearcom or RTS)

WIRELESS TELEX (BTR-700) USERS

Follow these Setup Instructions to connect the WingMAN to a BTR-700 Telex wireless base station:
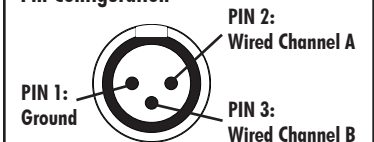
1. Connect your BTR-700 (2-wire 3 pin XLR) output to the 3-pin XLR back panel jack "INTERFACE".

2. Set WingMAN WIRED CHANNEL SWITCH to CH B.

3. Level adjustment on BTR-700 using the IN knob on the BTR-700 front panel

4. Set WIRED & WIRELESS VOLUME on WingMAN to maximum levels.

NEED MORE HELP? WingMAN setup & operation videos:
www.anchoraudio.com/wingman.php

PIN CONFIGURATION

The WingMAN interface connector uses a 3-pin XLR jack on the back panel. Connect the interface box with the wired intercom system using the 3 pin XLR jack on the rear panel.

Pin Configuration

PIN 2:
Wired Channel A

PIN 1:
Ground

PIN 3:
Wired Channel B

Select Wired Channel (A or B) to be used according to the pin description above (also shown on pack panel). The Wired Channel Switch matches the Anchor Audio PortaCOM belt pack channels.