

PureLink™

WA-100/101 True Diversity Wireless Audio Receiver USER MANUAL



PureLink™
220-10 State Route 208
Fair Lawn, NJ 07410 USA
Tel: +1.201.488.3232
Fax: +1.201.621.6118
E-mail: sales@purelinkav.com

For order support, please contact your local dealer.
For technical support, please contact us at support@purelinkav.com.



WA-100/101 USER MANUAL
VERSION 1.0

Contents

What's in the box	3
Transmitter Options	3
Beltpack Microphone Options	4
Antenna Systems	4
Accessories.....	4
Wireless Audio Kit SKUs	4
Product Description	5
Specifications	5
Front.....	6
1) Power Button.....	6
2) IR Transmitter LED	6
3) IR-SW button.....	6
4) Scan button.....	6
5) Information Display	7
Rear Panel	8
Setting up the WA-100/101 Receiver	9
Synchronizing the Receiver and Transmitter	9
Setting the Receiver	9
Setting the Transmitter.....	9
WA-BP1 Beltpack	9
WA-HH1 Handheld Microphone	10
WA-PM1 Podium Microphone.....	10
Warranty	11

When purchasing only the receiver, the contents will be as shown below.

What's in the box

- 1 WA-100 True Diversity Wireless Receiver 512 – 525 MHz Band
 - *OR*
- 1 WA-101 True Diversity Wireless Receiver 570 – 583 MHz Band
- 2 whip antennas
- 1 1U Rack adapter
- 1 100-240VAC to 12 VDC power adapter

The receiver will require one of our transmitter options.

Transmitter Options

- WA-BP1 Beltpack for headset or lav mics: 512 – 525 MHz Band
 - Only works with the WA-100
- WA-BP2 Beltpack for headset or lav mics: 570 – 583 MHz Band
 - Only works with the WA-101
- WA-HH1 Cardioid handheld mic: 512 – 525 MHz Band
 - Only works with the WA-100
- WA-HH2 Cardioid handheld mic: 570 – 583 MHz Band
 - Only works with the WA-101
- WA-PM1 Omnidirectional podium mic: 512 – 525 MHz Band
 - Only works with the WA-100
- WA-PM2 Omnidirectional podium mic: 570 – 583 MHz Band
 - Only works with the WA-101

Beltpack Microphone Options

- WA-LV1 Lavalier microphone, 3.5mm connector
- WA-HS1-W Headset microphone, tan, 3.5mm connector
- WA-HS1-B Headset microphone, black, 3.5m connector

Antenna Systems

- WA-ADS-4000 Antenna distribution system: up to four receivers
- WA-ADS-1 Antenna paddle
- WA-ADS-B1 Antenna booster, adjustable

Accessories

- WA-CH1 Dual charging station, handheld or beltpack transmitters
- WA-1/4-3.5-1M ¼" to 3.5mm 1 meter mono cable
- WA-100B-RACK1 Rack mount kit for one WA-100/WA-101
- WA-100B-RACK2 Rack mount kit for two WA-100/101
- WA-RB2 2x AA rechargeable batteries for beltpacks, podium or handheld mics

For simplicity, systems can be purchased as a single SKU.

Wireless Audio Kit SKUs

- WA-100B
 - WA-100 Receiver, WA-BP1 beltpack, WA-LV1 microphone: 512 – 525 MHz Band
- WA-100H
 - WA-100 Receiver, WA-HH1 Handheld mic: 512 – 525 MHz Band
- WA-101B
 - WA-100 Receiver, WA-BP1 beltpack, WA-LV1 microphone: 570 – 583 MHz Band
- WA-101H
 - WA-100 Receiver, WA-HH1 Handheld mic: 570 – 583 MHz Band

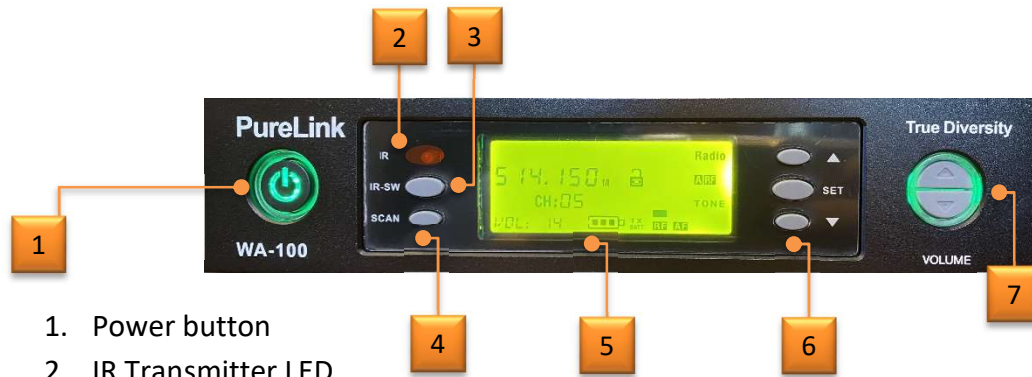
Product Description

The WA-100/101 True Diversity Wireless Receiver provides thirty-two channels and is available in two different FCC compliant frequency bands. Comprehensive adjustments are accessible on the front panel. Transmitter options include a beltpack with options of lavalier or headset microphone, handheld microphone, or podium microphone. WA-100/101 receivers can be mounted in a 1U rack space as either a single receiver, or you can connect two receivers together with the WA-100/101 RACK2 kit. An optional antenna distribution system is available when using multiple receivers.

Specifications

- True Diversity
- 32 channels
- Diagnostic LCD screen on Receiver and Transmitter
- XLR and ¼" TRS outputs
- 3.5mm audio input on belt pack compatible with many microphone brands
- Rack mount kit included for one receiver
- Optional rack kit for two receivers
- Optional handheld microphone with diagnostic LCD
- Optional podium microphone with diagnostic LCD
- 512.550 – 524.950 MHz (*WA-100*) or 570 – 583 MHz (*WA-101*) wireless frequency range

Front



1. Power button
2. IR Transmitter LED
3. IR-SW button
4. Scan button
5. Information Display
6. Set buttons
7. Volume buttons

1) Power Button

The Power button toggles the Receiver between standby and on modes. Hold the Power button for 2 seconds to change state. The Power button remains lit regardless of state. When the Receiver is in Standby, the Information Display will have no data present and be dark. When the Receiver is in On mode, the Information Display will show data and be illuminated green. If the Information Display may be red if the selected channel/frequency experiences interference.

2) IR Transmitter LED

When the IR-SW button is pressed, the IR LED will flash and send the currently selected channel of the Receiver to a Transmitter within line of sight and that is within 2 feet of the Receiver, for easy synchronization. Once the data is successfully synchronized to the Transmitter, the IR LED will stop flashing.

3) IR-SW button

The IR-SW starts the process of the Receiver sending out the current channel data via the IR LED.

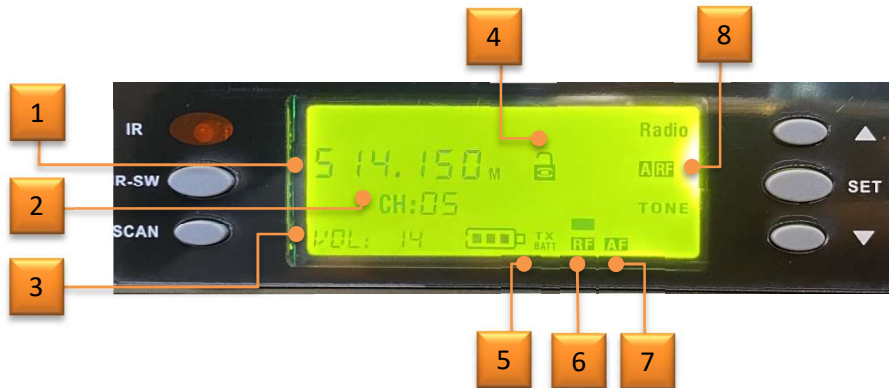
4) Scan button

This button performs a frequency scan to select the best available frequency that is not already in use by a Transmitter. In order for this function to operate correctly, you must have all transmitters, currently assigned channels, to be on. The Receiver will scan and detect which channels that are unused are the best next option to use within your system.

5) Information Display

The Information Display has three backlight illumination states:

- Off: Receiver is in Standby
- Green: Receiver is On
- Red: Receiver is experiencing interference on the selected channel/frequency



1. Selected Frequency
2. Selected Channel
3. Output volume level (XLR and ¼")
4. Lock state
5. Transmitter battery level (If connection established)
6. RF Strength meter
7. Audio level meter
8. Antenna A or B in indicator

Rear Panel



1. Power Adapter input
2. Antenna input A
3. XLR Balanced audio output
4. 1/4" Unbalanced audio output
5. Antenna input B

Setting up the WA-100/101 Receiver

Synchronizing the Receiver and Transmitter

Setting the Receiver

You can set the frequency of the Receiver using the Set button, and the up and down buttons.



If the Lock indicator shows the setup functions are locked, press the Set button twice, then press the down button, then press the Set button twice again to enter in to frequency adjustment mode.

Select any one of the 32 channels, making sure that no other receiver channel in your system is set to the same channel/frequency. The WA100 channels will be different frequencies than the WA101 channels, so it is okay to use the same channel number with a WA100 and WA101 in most cases.

Setting the Transmitter

WA-BP1 Beltpack



Power up the WA-BP-1 beltpack. Open the battery compartment. You do not need to press any buttons.

Press the IR-SW button on the Receiver you want to synchronize the beltpack to. You will see the IR LED flash on/off.

Face the open side of the battery compartment towards the IR LED on the Receiver. You will see the Receiver IR LED change from on/off to pulsing, indicating the Receiver and Transmitter are communicating. When the Receiver IR LED turns off the Transmitter synchronization is complete. Check the Transmitter LED display to confirm. You will now have live audio signal in to the Receiver.

WA-HH1 Handheld Microphone



Power up the WA-HH-1 Handheld microphone. Open the battery compartment. You do not need to press any buttons.

Press the IR-SW button on the Receiver you want to synchronize the handheld microphone to. You will see the IR LED flash on/off.

Face the IR IN inside the battery compartment towards the IR LED on the Receiver. You will see the Receiver IR LED change from on/off to pulsing, indicating the Receiver and Transmitter are communicating. When the Receiver IR LED turns off the Transmitter synchronization is complete. Check the Transmitter LED display to confirm. You will now have live audio signal in to the Receiver.

WA-PM1 Podium Microphone



Power up the WA-PM1 Podium microphone.

Press the IR-SW button on the Receiver you want to synchronize the handheld microphone to. You will see the IR LED flash on/off.

Face the IR RX LED towards the IR LED on the Receiver. You will see the Receiver IR LED change from on/off to pulsing, indicating the Receiver and Transmitter are communicating. When the Receiver IR LED turns off the Transmitter synchronization is complete. Check the Transmitter LED display to confirm. You will now have live audio signal in to the Receiver.

Warranty

PureLink Three (3) Year Limited Warranty for PureStream™ Branded Products Only

Dtrovision, LLC. (hereinafter "PureLink") warrants its HDTools and PureStream™ branded products (hereinafter "Product") purchased directly from PureLink or Dealer shall be free from defects in workmanship and materials, under normal use and service, for a period of three (3) years on parts and three (3) years on labor. Any repaired or replaced equipment related to Product shall be covered only under the remaining portion of the warranty. This warranty has no relationship to and exists independently of any warranty offered by Dealer. This warranty is a limited warranty and gives you specific legal rights. You may also have other rights which vary from state to state.

TERMS & CONDITIONS

PureLink shall repair or replace the Product if it develops a material fault during the period of warranty, on condition that i) the Product has only been subject to normal use in a domestic or commercial environment in a manner consistent with its specification and functionality, ii) the Product has been cared for reasonably and only subjected to reasonable wear and tear, iii) the defect has not been caused by willful or negligent abuse or neglect, or any accident or improper installation procedure, iv) the serial number of the Product has not been altered or removed.

This warranty only applies to the original purchaser, and shall be the exclusive remedy to the original purchaser. PureLink shall not be liable for any damages whatsoever caused by Product or the failure of Product to perform, including incidental or consequential damages. PureLink shall not be liable for any claim made by a third party or made by the purchaser for a third party.

Except as expressly set forth in this warranty, PureLink makes no other warranties, expressed or implied, including any implied warranties of merchantability and fitness for a particular purpose. PureLink expressly disclaims all warranties not satisfied in this limited warranty. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.

WARRANTY RETURNS/REPAIRS/EXCHANGES

No merchandise may be returned without prior authorization from PureLink, and a Return Materials Authorization (RMA) number. Failure to comply with these conditions will result in rejection of the returned merchandise.

Any warranty service on Products must be arranged through Dealer. Authorized returns must be shipped freight prepaid and fully insured to PureLink, Ramsey, NJ USA, with the RMA number clearly marked on the outside of all shipping boxes and containers. PureLink reserves the right at its sole discretion to refuse any shipments arriving freight collect or without an RMA number. Any authorized returned merchandise must be accompanied by a note describing the reason for return, along with contact information including name, phone number, return mailing and shipping addresses, e-mail address, and RMA number.

On any products returned and accepted with an RMA number, return freight charges following repair of items under warranty shall be paid by PureLink, shipping by the standard ground carrier of its choice.

ADVANCE WARRANTY REPLACEMENTS

PureLink's advance replacement service offers a Replacement Unit upon request - free of charge for eligible products purchased less than one (1) year of the warranty claim. Products purchased more than one (1) year prior to the warranty claim do not qualify for advance replacement services.

Advance replacement requests must be validated by a member of PureLink's Technical Support Team. Replacement units may be new or refurbished and is subject to availability. PureLink is responsible for shipping the Replacement Unit to your designated location by standard ground service. All other shipping methods will be responsibility of the Dealer.



Original Unit Return – the Original Unit must be returned within thirty (30) calendar days of the return authorization date. Failure to return the Original Unit within this period will be subject to a minimum 15% re-stocking fee. Dealer is solely responsible for the shipping of the Original Unit to PureLink.

TO MAKE A WARRANTY CLAIM

To make a warranty claim, promptly notify PureLink within the warranty periods described above by calling PureLink's Technical Support Department at 1-201-488-3232. PureLink, in its sole discretion, will determine what action, if any, is required under this warranty.

Most problems can be corrected over the phone through close cooperation between Customer and a PureLink technician. To better enable PureLink to address a warranty claim, please have the Product's serial and model numbers. If PureLink, in its sole discretion, determines that an on-site visit or other remedial action is necessary, PureLink may send a representative to Customer's site.

CUSTOMER SERVICE

Technical support inquiries can be submitted electronically through the PureLink website at www.purelinkav.com. For immediate assistance please contact PureLink's Customer Care Team at

+1 (201) 488-3232

