

WR900 Long Range Dual Band Wireless Repeater

The WR900 repeater extends the range of Pelican’s automated mesh network, making it effective in large open areas or locations where there is poor wireless coverage. Adding one or more WR900 repeaters ensures that all Pelican devices can automatically connect to the main wireless network and access the Internet.

The WR900 utilizes two wireless bands that work together to simplify long-distance bridging. The 2.4 GHz band connects with the primary wireless network and other Pelican devices, enhancing communication and message routing throughout a facility. Meanwhile, the 900 MHz band communicates with other WR900 repeaters, which improves message transfer in installations with longer distances or significant wireless interference, such as multi-building campuses. This dual-band functionality optimizes network performance and reliability, even in challenging environments.

+ DUAL MESH WIRELESS NETWORK

The WR900 implements a dual-band wireless mesh network to seamlessly extend your Pelican wireless network across long distances. Like all Pelican devices, the repeater automatically connects to other Pelican devices, ensuring a robust and reliable mesh network.

+ LONG & EXTENDED NETWORKING

The WR900 is used to bridge Pelican’s wireless mesh network between buildings, across areas with poor coverage, or in installations with wireless connectivity challenges.

+ PLUG & PLAY

The WR900 is compact and requires only a single electrical outlet for operation. It does not need an Ethernet connection, making it easy to install and deploy in various locations.

+ SECURITY & ENCRYPTION

The WR900 repeater connects seamlessly with your private Pelican mesh network, preserving the isolated architecture. All wireless communication employs AES encryption, ensuring the highest level of communication security.



Specifications

POWER

Hardwire 5V DC / 2 A
USB-C Connection

WIRELESS

2.4 GHz & 900 MHz, IEEE 802.15.4
Complies with Class B Part 15 of FCC rules

INCLUDED WITH WR900

(1) 120V—240V AC power adapter with a 6-foot electrical cable and a USB-C connector.

SIZE

Inch	H 4.5 x W 3.5 x D 1.25
mm	H 114 x W 89 x D 32
Antenna Inch	H 7.25
Antenna mm	H 184
Vertical Mounting	



Designed and assembled in the USA
5-Year Limited Warranty

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