

WH32 Wireless Repeater

NEW ALARMS

V LINK



Overview

The WH32 is a DC-powered VLink repeater that can extend the range of an existing VLink hub, including the BP32 panel, BP52 panel, BE32 expander, BK22 keypad, or WH52 wireless hub. This allows organizations to close gaps in coverage without running cable or installing additional hubs. Furthermore, the WH32 can operate as a VLink hub when connected to the panel via RS485, allowing organizations to reuse existing alarm wiring. In hub mode, the WH32 supports up to 160 wireless sensors.

Like other Verkada products, the WH32 is cloud-managed and natively integrates with other devices in the Verkada ecosystem. Through the Command web or mobile app, users can view live and historical sensor activity, as well as manage software-defined partitions. Organizations additionally benefit from automatic firmware updates and 24/7 support, ensuring their device is always operational and improving over time.

Key features

Wireless repeating

- Extend coverage to areas without ethernet or RS485 cabling
- Automatically pairs with the nearest VLink hub and amplifies its signal

Wireless hub mode

- Operates as a VLink hub when wired to the BP52 panel via RS485
- Supports up to 160 Verkada wireless sensors in hub mode

Cloud-managed

- View sensor activity, connection quality, and battery level in Command
- Automatic firmware updates for the latest features

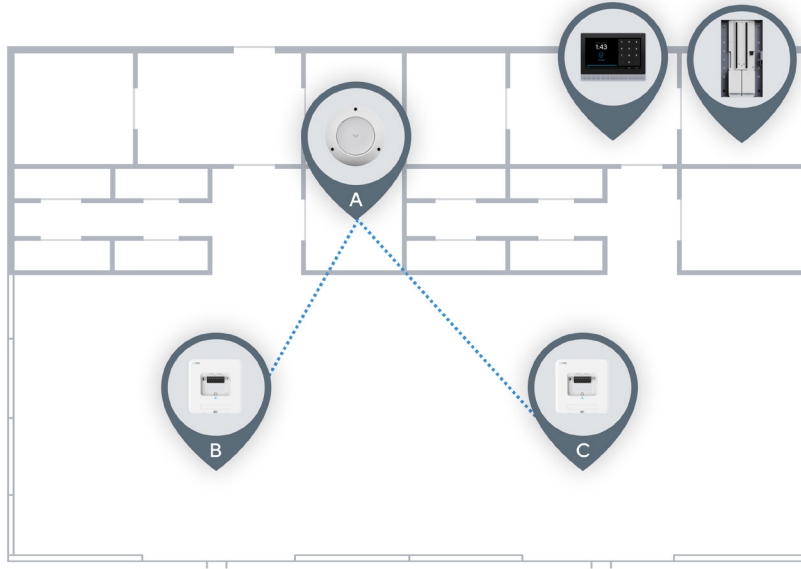
Highly available

- Withstands internet outages by communicating locally with other alarm devices
- Built-in battery provides 24 hours of backup



Close gaps in coverage

The WH32 wireless repeater is suitable for areas that need sensor coverage but suffer from weak signal (RSSI -80 dBm or less). By placing a repeater within range of an existing VLink hub (BP32, BP52, BE32, BK22, WH52, or WH32 in hub mode), organizations can amplify the signal to cover the target area without additional hubs or cabling.



In the above example, the two WH32 repeaters (B and C) amplify the signal from the WH52 hub (A). In this scenario, A, B, and C support up to 158 sensors combined because repeaters B and C each occupy one of the 160 wireless channels of hub A.

Cloud-managed

Verkada's cloud-based management platform, Command, brings visibility and control at scale for many alarm systems across multiple sites. For any wireless sensor at any site, users can remotely view live/historical activity, connection quality, and battery level.

Trinity High School | All Devices | All Statuses | + Add

Device	Status	Details
West Hallway Repeater (ONLINE)	Online	
Classroom 101 Door Sensor	Closed	Wireless Door Sensor
Classroom 102 Door Sensor	Closed	Wireless Door Sensor
Classroom 103 Door Sensor	Open	Wireless Door Sensor
Classroom 104 Door Sensor	Closed	Wireless Door Sensor
Classroom 105 Door Sensor	Closed	Wireless Door Sensor
Break Room Door Sensor	Closed	Wireless Door Sensor
West Entrance Door Sensor	Open	Wireless Door Sensor
West Hallway Hub (ONLINE)	Online	
Classroom 107 Door Sensor	Open	Zone 1 Door Sensor
Classroom 108 Door Sensor	Closed	Zone 2 Door Sensor
IDF Closet Door Sensor	Closed	Zone 3 Door Sensor
Admin Office Door Sensor	Closed	Wireless Door Sensor

Classroom 103 Door Sensor (OPEN)

8K31 Door Sensor
1st Floor Partition

6:22:06 PM PST | Hallway Cam

Activity	Settings
Open	Today, 11:45am
Closed	Today, 11:00am
Open	Today, 10:43am
Closed	Today, 10:23pm
Open	Today, 10:04am
Closed	Yesterday, 5:23pm
Open	Yesterday, 5:05pm
Closed	Yesterday, 4:49pm



WH32

Tech specs

Power and network

Power consumption	0.18W standby, 27W maximum (5mA - 750mA current draw)	Power input	Repeater mode: 10-36V DC Terminal Block (ACC-WA-30W-NA Wall Adapter sold separately) Hub mode: 10-36V DC via RS485
Uplink	Repeater mode: VLink sub-GHz transceiver (Repeater must be within range of a VLink hub. Verkada recommends no more than 6 repeaters per hub.) Hub mode: RS485 input	VLink wireless range	Repeater mode: 2000 ft / 600 m to upstream hub (open field with line of sight). Expect reduced range indoors, depending on environment Hub mode: Please refer to the downstream device datasheet
Backup battery (internal)	1200 mAh 24 hours of backup with typical use		

General

Dimensions	Height: 5.5in / 14.0cm Width: 5.5in / 14.0cm Depth: 1.3in / 3.4cm	Operating temperature and humidity	32 to 122° F / 0 to 50° C 0-90% RH non-condensing
Tamper detection	Yes	Warranty	10 years
Certifications	FCC, IC, RCM, CE, UL/cUL/IEC 62368-1	Weight	1.3 lb / 0.6 kg

Installation

Included accessories	Mount plate, T10 Security Torx screwdriver, 4x wall screws, 4x wall anchors	Mounting options	Wall or ceiling mount
-----------------------------	---	-------------------------	-----------------------



Ordering information

WH32 Wireless Repeater

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
WH32-HW	WH32 Wireless Repeater	\$299	\$299