

WH32

Wireless Repeater

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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

Cloud-managed

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

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

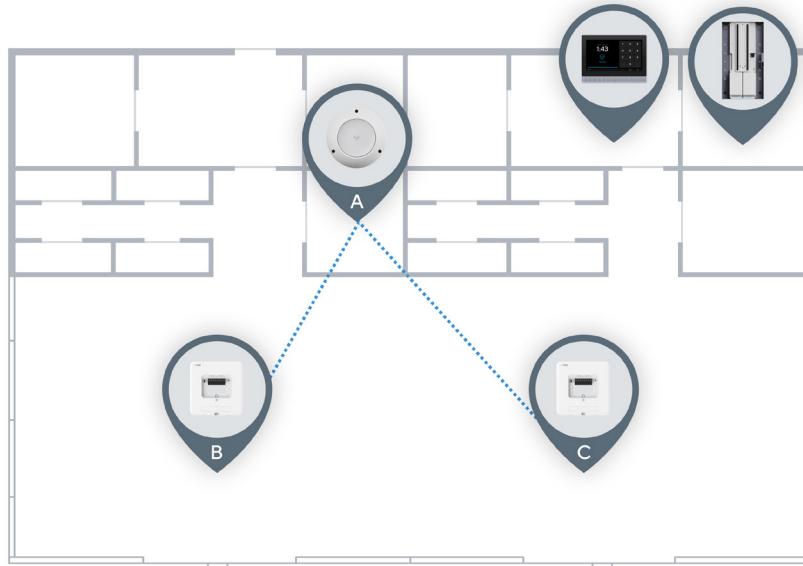
Highly available

- 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.

The screenshot displays the Verkada Command interface for Trinity High School. On the left, a sidebar shows navigation icons for Site Management (SM), Home, Network, Devices, and Help. The main dashboard shows a list of devices under 'Trinity High School'.

- West Hallway Repeater (ONLINE):** WH32 Wireless Repeater. Sub-devices: Classroom 101 Door Sensor (Wireless | Door Sensor, Closed), Classroom 102 Door Sensor (Wireless | Door Sensor, Closed), Classroom 103 Door Sensor (Wireless | Door Sensor, Open), Classroom 104 Door Sensor (Wireless | Door Sensor, Closed), Classroom 105 Door Sensor (Wireless | Door Sensor, Closed), Break Room Door Sensor (Wireless | Door Sensor, Closed), West Entrance Door Sensor (Wireless | Door Sensor, Open).
- West Hallway Hub (ONLINE):** WH32 Wireless Hub. Sub-devices: Classroom 107 Door Sensor (Zone 1 | Door Sensor, Open), Classroom 108 Door Sensor (Zone 2 | Door Sensor, Closed), IDF Closet Door Sensor (Zone 3 | Door Sensor, Closed), Admin Office Door Sensor (Wireless | Door Sensor, Closed).

On the right, a detailed view of the Classroom 103 Door Sensor is shown, indicating it is OPEN. It includes a live video feed from a Hallway Cam, activity logs (e.g., Open at 11:45am, Closed at 11:00am), and settings.



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: 5.5" (14.0 cm) Width: 5.5" (14.0 cm) Depth: 1.3" (3.4 cm)	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
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Ordering Information

WH32 Wireless Repeater

Model Number	Description	Cost (MSRP) USD
WH32-HW	WH32 Wireless Repeater	\$299