



Video Doorbell ADC-VDB750 Pro+

Camera Guide

grandalarms.com
416-657-2100

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Summary: The ADC-VDB750 Pro+ is a 1440x1440 high definition video doorbell with a 165° x 145° field of view, infrared vision up to 15ft, dual-band Wi-Fi, and two-way audio. It integrates seamlessly with the Grand Alarms Mobile App. This guide covers common terms, specifications, factory reset, Wi-Fi setup (AP & WPS), signal testing, adding/removing the device via Grand Alarms, troubleshooting, LED status indicators and further assistance.

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Common Terms

AP Mode

The doorbell broadcasts its own Wi-Fi SSID (ADC-VDB750 (XX:YY:ZZ)) so you can configure your home network in a browser.

WPS

Wi-Fi Protected Setup: press the doorbell's pairing button, then your router's WPS button within 2 minutes to automatically—no password required.

HDR

High Dynamic Range—balances bright and dark areas for clearer images.

Transformer

The in-home 16-30 VAC, 10 VA power supply that delivers consistent voltage to the doorbell.

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Specifications

- **Resolution:** 1440 x 1440 pixels @ up to 15 fps
- **Field of View:** 165° horizontal, 145° vertical
- **Night Vision:** Infrad LEDs up to 15 ft, 0 lux low-light
- **Connectivity:** Wi-Fi 802.11 b/g/n/ac (2.4 GHz & 5 GHz)
- **Audio:** Two-way omni-directional mic & speaker
- **Power:** 16-30 VAC, 10 VA transformer required
- **Operating Temp:** -58 °F to 122 °F (-50 °C to 50 °C)



Front View of ADC-VDB750

Factory Default

Warning: Resetting erases all settings (Wi-Fi, analytics, name). You must **contact us** after reset to reconnect: [416-657-2100](tel:416-657-2100)

1. Press and hold the doorbell button for 45-50 seconds until the LED alternates red & green.
2. Release the button. The doorbell reboots (LED off --- white flash --- red/green AP mode).



Hold ~ 50 s until red/green flash – factory reset

Wi-Fi Setup

AP Mode

1. Press and hold the button for 35-40 seconds until the LED blinks white (AP mode).
2. On your phone or PC, join the network ADC-VDB750 Pro+ (XX:YY:ZZ) (no password).
3. Open a browser to 192.168.1.1, then follow prompts to select your home SSID and enter its password.
4. When setup completes, the LED turns solid green—doorbell is online.

WPS Mode

Note: Use WPS only if your router supports it; otherwise AP mode is more reliable.

1. Press and hold the button until the LED blinks blue (~ 30 seconds).
2. Within 2 minutes, press your router's WPS button.
3. Wait LED turns solid green when pairing succeeds.



Press router's WPS button to pair

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Signal Strength

Check your doorbell's Wi-Fi signal in the Grand Alarms Home App.

1. Open the Grand Alarms App
2. Tap the **Video** icon and select ADC-VDB750 Pro+.
3. Tap the gear **Settings** icon (top-right).
4. Scroll to **Signal Strength** (%) and note the value.

Signal (%)	Status	Action
79-100%	Excellent	No action needed.
66-78%	Good	Monitor performance; reposition if needed.
0-65%	Poor	Move router closer, add extender, or contact us at 416-657-2100

Add via Grand Alarms Home Desktop Portal

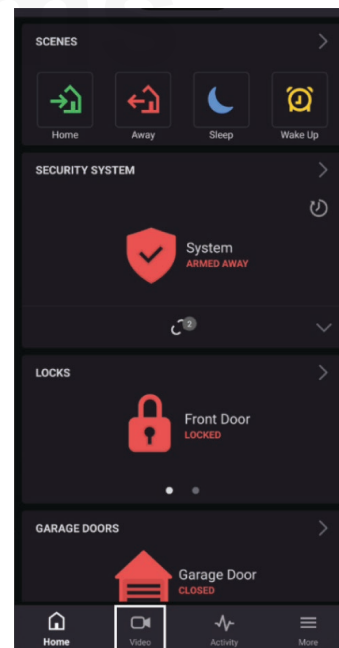
Prerequisite: Doorbell must be on your Wi-Fi network.

1. Log in at Grand Alarms and click **Video**
2. Click the gear **Settings** icon (top-right).
3. Scroll to **Add Video Device** and click it.
4. Select ADC-VDB750 Pro+, name it (e.g., "Front Door"), then click **Install**.
5. After a few minutes, click **Live View** to verify the feed.

Add via Grand Alarms Home Mobile Portal

Prerequisite: Doorbell must be on your Wi-Fi network.

1. Open the Grand Alarms Home App on iOS or Android.
2. Tap the **Video** icon at the bottom.
3. Tap the gear **Settings** icon (top-right).
4. Select **Add Device**
5. Choose ADC-VDB750 Pro+ or scan its QR code/enter serial number.
6. Name your doorbell and follow prompts.
7. Tap **Live** to confirm video feed.



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Remove Device

To remove your ADC-VDB750 Pro+ from Alarm.com, please contact Grand Alarms support. We'll complete the removal and update your service plan.

Troubleshooting

To remove your ADC-VDB750 Pro+ from Alarm.com, please contact Grand Alarms support. We'll complete the removal and update your service plan.

No Video Feed

1. **Confirm power:** Use a multimeter to verify transformer output is 16-30 VAC.
2. **Inspect wiring:** Turn breaker off, remove doorbell, ensure wires are tight and corrosion-free.
3. **Power Cycle:** Restore power, wait 2 minutes for reboot, then test Live View in the app.
4. **Check Signal:** Open app – Signal Strength; if <65%, reposition router or add extender.

Wi-Fi Setup Failures

1. **Verify credentials:** Re-enter SSID and password exactly (case-sensitive).
2. **Try AP Mode:** Follow AP Mode steps to bypass WPS issues.
3. **Power cycle:** Restore power, wait 2 minutes for reboot, then test Live View in the app.
4. **Check signal:** Open app – Signal Strength; if <65%, reposition router or add extender.

Intermittent Connectivity

1. **Check Bands:** Ensure 2.4 GHz is enabled – better range than 5 GHz.
2. **Reduce interference:** Keep doorbell and router >1 ft from metal or electronics.
3. **Reposition router:** Move closer to doorbell or add a Wi-Fi extender.

Poor Video Quality

1. **Test bandwidth:** Run an internet speed test – aim for ≥ 2 Mbps upload.
2. **Close apps:** Stop background downloads/streams on your network.
3. **Clean lens:** Wipe doorbell lens with a microfiber cloth.
4. **Avoid glare:** Adjust camera angle to minimize backlighting.

Two-Way Audio Issues

1. **Check audio settings:** App – Video – Settings – Audio; ensure inbound/outbound are **ON**.
2. **Grant permissions:** On your phone, allow microphone and speaker for the app.
3. **Test call:** Initiate Live View and speak clearly into your phone mic.
4. **Power cycle:** Remove doorbell, wait 10 s, reattach, wait 2 min, then retry.

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No Notifications

1. **Enable alerts:** App – Notifications – ensure Doorbell and Motion toggles are ON.
2. **Check phones settings:** Allow notifications for Grand Alarms, disable DND or add exception.
3. **Test push:** Press and hold the doorbell button 3 s, confirm push alert arrives.
4. **Restart app:** Force-close and reopen the app; check for app updates.

LED Status Reference

Pattern	Status	Recommended Action
Off	No power/standby	1. Open your breaker panel and turn the doorbell circuit OFF, then ON to test power. 2. Use a multimeter to verify transformer output is 16–30 VAC. 3. With breaker OFF, remove doorbell, ensure wires under screws are tight and corrosion-free. 4. Reattach doorbell, restore power, and confirm the LED lights up.
Flashing White	No power/standby	1. Open your breaker panel and turn the doorbell circuit OFF, then ON to test power. 2. Use a multimeter to verify transformer output is 16–30 VAC. 3. With breaker OFF, remove doorbell, ensure wires under screws are tight and corrosion-free. 4. Reattach doorbell, restore power, and confirm the LED lights up.
Flashing Blue	WPS pairing mode	1. Within 2 minutes of blue blinking, press your router's WPS button. 2. Wait up to 90 seconds for the LED to turn solid green. 3. If pairing fails, disable/re-enable WPS on the router and retry, or use AP Mode.
Solid Green	Connected online	1. Open the Grand Alarms Home app or Desktop portal. 2. Navigate to Live View and confirm your video feed is active. 3. If still red, relocate closer to your router or install a Wi-Fi extender.
Solid Red	Network Unreachable	1. In the app, delete the device and re-enter your Wi-Fi SSID and password exactly (case-sensitive). 2. Try reconnection via <u>AP Mode</u> or <u>WPS Mode</u>. 3. If Still red, relocate closer to your router or install a Wi-Fi extender.
Flashing Red/Green	Factory reset in progress	1. Wait 2-3 minutes for the reset to complete without interrupting power. 2. After reset, follow the <u>Factory Default</u> instructions to set up Wi-Fi and Alarm.com pairing.
Flashing Yellow	Power cycling / Firmware update	1. Keep the doorbell powered during the update; do not remove it. 2. Wait up to 5 minutes for the LED to stabilize to solid green. 3. If still flashing after 10 minutes, power cycle the transformer and monitor again.

Further Assistance

Need more help? You can

- Call Grand Alarms Support: [416-657-2100](tel:416-657-2100)
- Visit our support center: grandalarms.com/support
- Consult the [ADC-VDB750 Pro+ User Manual \(PDF\)](#)

