

QUICK INSTALL GUIDE

ABN4A

Broadband Network Adapter

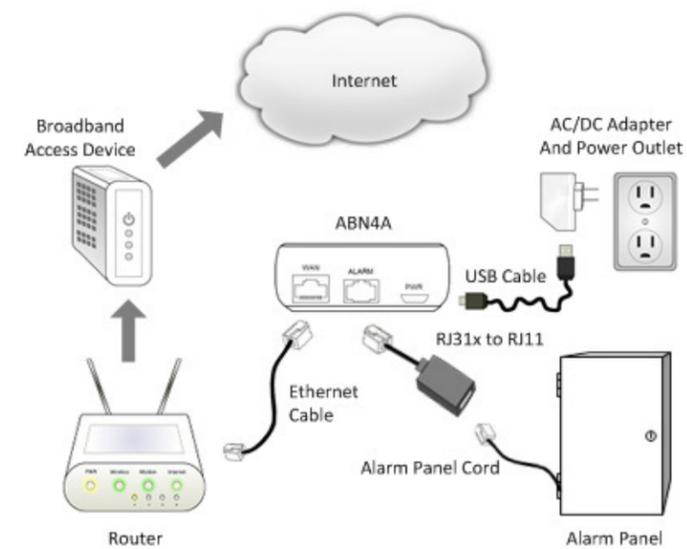
Product ID 252138ABN4AX12

Introduction

The NextAlarmABN4A is an integrated device providing alarm monitoring service for an existing alarmsystem over a broadband network. This guide will help you to quickly install and configure your unit so that you can start sending signals right away.

Package Contents

- Alarm BroadbandAdapter
- Power Supply
- RJ31X to RJ11Adapter
- Ethernet Cable
- Quick Install Guide



Network Diagram

Installation

Before starting the installation, make sure your broadband Internet access device is powered on and connected to the internet. (Check your Internet service provider’s documentation). To view the installation video go to www.nextalarm.com/resources/videos.

1. Connect the ABN4A to a home router or network. Connect the supplied Ethernet cable into the **WAN** port on the ABN4A and connect the other end into an available LAN port on your router or home network.

NOTE: For easier installation you can use an Ethernet-to-WiFi Bridge or an Ethernet-to-Powerline Network Adapter to avoid running a long Ethernet cable to your router. You can find these devices in your local retail electronics store or online.

2. **If your alarm system siren sounds during this step, simply disarm the system as you normally do.** Locate the alarm system’s telephone connection. This is usually an RJ31X (wide Ethernet-style) or RJ11 (standard size) telephone jack, next to or inside the main control box. There will be a telephone cord connecting the alarm system to the jack. If your alarm system is wired directly to your telephone line and does not have a phone jack, then you will need to have one installed before you can use the ABN adapter.
 - a. If your system is using an RJ11 cord, plug that into the **ALARM** port on the ABN4A.
 - b. If your system uses an RJ31X cord, then use the supplied RJ31X to RJ11 adapter to connect it to the **ALARM** port on the ABN4A.
3. Use the supplied USB cable to connect to the **PWR** port on the ABN4A, and then attach the other end of the black USB cable to the AC/DC Adapter. Plug the AC/DC Adapter into an AC power outlet.
4. Confirm the power LED light (**PWR**) is green, wait for the **WAN** LED light to then turn solid green or yellow. Finally, you should see a solid green **ALARM** LED light displayed

Registration

To register for an account go to <http://www.nextalarm.com>. Simply follow the easy online instructions to create your account and register your broadband adapter for alarm monitoring.

LED Status Summary

LED STATES		
Interfaces	Blinking State	ABN4A Device State
PWR	Steady Green	The device power is on.
	Off	The device power is off.
WAN	Solid Green	WAN Ethernet 100BT link is active, device has IP address AND DNS resolution is successful.
	Solid Yellow	WAN Ethernet 10BT link is active, device has IP address AND DNS resolution is successful.
	Off	WAN Ethernet link is not connected.
	Fast Blinking Green (0.25 sec. on, 0.25 sec. off)	WAN Ethernet 100BT link is active but device is unable to get an IP address OR is unable to reach a public IP address.
ALARM	Fast Blinking Yellow (0.25 sec. on, 0.25 sec. off)	WAN Ethernet 10BT link is active but device is unable to get an IP address OR is unable to reach a public IP address.
	Off	The device has no power, OR the device is powered on and initializing, OR the device is being provisioned, OR the device has initialized & been provisioned, but failed to register.
ALARM	Steady Green	The device is registered and ready to make calls.
	Medium-Fast Blinking Green (0.5 sec. on, 0.5 sec. off)	The device is registered and ready to make calls, and the alarm panel is dialing out.
	Fast Blinking Red (0.25 sec. on, 0.25 sec. off)	One or more GR-909 tests failed. Irrespective of registration. This state is cleared when GR-909 tests are run again and all tests pass, or when the device is rebooted.
ALARM	Medium-Slow Blinking Red (1 sec. on, 1 sec. off)	The device firmware is being upgraded.

Troubleshooting

Environments with VoIP phone service

If an existing VoIP adapter is connected directly to a single port cable or DSL modem, then disconnect it, and connect it to a home router instead. The router should be the only device connected directly to the cable or DSL modem. If your VoIP phone service no longer works after doing this, then your VoIP service provider will need to assist you in reconfiguring your VoIP device to work with a home router.

Check that all wires are connected and secure.

Unplug then plug back in the power cord, Ethernet cord, and alarm panel cord. Make sure that the Ethernet cord is plugged between an open Ethernet port on your router or wireless bridge and the **WAN** port, and that the alarm panel cord is connected between the **ALARM** jack and the phone jack on your alarm system.

If you have assigned a static IP address to the ABN4A, make sure the address is not already in use.

By default, the ABN4A automatically requests an IP address via DHCP. In most cases, we recommend allowing the router to assign IP address via DHCP. In some unusual network configurations, it may be necessary to set the ABN4A to use a static IP instead. If two devices on your network have the same IP address, then both devices will frequently lose their connection to the Internet. If you have assigned a static IP address to your ABN4A, and you believe another device has the same IP address, then change the IP address of the ABN4A. Every device on your network should have its own unique IP address.

Update the router firmware.

It is important that the home router is using the latest firmware provided by its manufacturer. Router firmware can usually be downloaded from the manufacturer’s website, and installed using the router’s web interface. Please contact the router manufacturer for assistance in updating its firmware, if needed.

Are there two routers?

If there are two routers connected to the network, then some devices will have trouble staying connected to the Internet. To fix this, turn off routing (DHCP) on the router that is not connected directly to your cable or DSL modem. Only one router should give IP addresses to devices on the network.

Are you using a wireless bridge?

Wireless Ethernet bridges can make installing the ABN4A easy by eliminating the need to use an Ethernet cable to connect to the home router. However, if they do not have a good wireless signal or are not correctly configured, then they can cause connection problems.



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE: FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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QS1113 – NextAlarm ABN4A Quick Install Guide

LIMITED PRODUCT WARRANTY

In this Limited Product Warranty the term “you or your” refers to the consumer who has purchased the Product described below. The terms “we, us, or Company” refer to NextAlarm, LLC, the supplier of the Product.

This Limited Product Warranty applies to the Product, which consists of and is limited to the broadband adapter, wireless bridge, and associated equipment manufactured by Company for sale in the United States or Canada and intended to be used with and connected to an alarm system purchased, installed, and maintained by you and monitored by Company under the terms and conditions of a separate monitoring services agreement between you and Company. This is the only express warranty for the Product and is in lieu of any other warranty or condition. The Product is warranted to be free from defects in material and workmanship for a period of 12 months from the date of its original purchase. During this period your exclusive remedy is repair or replacement of the Product or any component thereof found to be defective, at our option and discretion. This Limited Product Warranty is valid only for the first and original purchaser of the Product, and is not valid for any subsequent purchaser.

This Limited Product Warranty does not cover batteries or any problem caused by accident, vandalism, negligence, mistake, flood, water, lightning, electrical surges, fire, abuse, misuse, acts of God, or other casualty. THIS LIMITED PRODUCT WARRANTY EXCLUDES ALL CLAIMS FOR SPECIAL, INCIDENTAL, AND CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES CAUSED BY BREACH OF EXPRESS OR IMPLIED WARRANTY. Company's liability is limited to the amount of the purchase price you paid for the Product. EVERY IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, ANY STATUTORY WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS DISCLAIMED EXCEPT TO THE EXTENT PROHIBITED BY LAW, IN WHICH CASE SUCH WARRANTY OR CONDITION IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation exclusion may not apply to you and some states afford you other rights which may vary state by state.

To receive service under this Limited Product Warranty, please contact support at support@nextalarm.com for an RMA and provide the Product's part number along with a written description of the problem you are experiencing with the Product. Once an RMA has been issued, please send the Product postage paid, with the original receipt to Company at the address provided. Only Company is authorized to make repairs to the Product. Company will not reimburse the cost of repairs made by you or by any third party, and any improper, or incorrectly performed repairs or maintenance by you or by any unauthorized party voids this Limited Product Warranty.

YOUR RESPONSIBILITIES FOR PRODUCT OPERATION: By use of the Product you agree to the terms of this Limited Product Warranty. You agree that the Product requires 110 Volt AC power and that it is your

sole responsibility to provide a suitable power supply, cable/internet and/or telephone line connections, and to select suitable communications services for use with the Product. You agree that the Product utilizes broadband cable, DSL, cellular and/or other communications services delivered by third party service providers wholly beyond Company's control. Company is not responsible for any acts, omissions, or failures on the part of such service providers or their services that prevent, interrupt, degrade, or otherwise interfere with, the Product's performance. Company is not responsible for the security or privacy of any service furnished by a third party. The Product is not intended for use by children or anyone not capable of understanding the Product's purpose and how to configure and use the Product. Company has no responsibility for misuse of the Product.

EXCULPATORY CLAUSE AND LIMITATION OF LIABILITY: You agree that Company is not an insurer and Company does not guarantee that the Product will prevent any loss, personal injury or death or that communication will reach or cause response by an appropriate party. You agree that Company is not assuming liability, and, therefore, shall not be liable to you or any third party for any loss, personal injury or death as a result of the Product's failure or any other cause whatsoever, regardless of whether or not such loss or damage was caused by or contributed to by Company's negligent manufacturer of the Product, failure to adequately explain the use of the Product, any extra contractual or legal duty, strict products liability, or any other legal duty. You further agree that should there arise any liability on the part of Company as a result of its negligent performance to any degree or negligent failure to perform any of its obligations to you or any other legal duty, equipment failure, or strict products liability, that Company's liability shall be limited to the sum of \$50.00 US dollars or the sales price of the Product, whichever is greater.

LEGAL ACTION - ARBITRATION: You and Company agree that you and anyone succeeding to your rights may bring claims against Company only in your individual capacity and not as a class action plaintiff or class action member in any purported class or representative proceeding. Any dispute between you and Company including, without limitation, any dispute concerning this Limited Product Warranty, including issues of arbitrability, shall, at the option of either party, be determined by arbitration administered by JAMS, <http://www.jamsadr.com>, in Atlanta, Georgia under its arbitration rules. Service of process in any legal proceeding or arbitration between the parties shall, if directed to Company, be delivered to Company's registered agent at the following address:

National Registered Agents, Inc.
1201 Peachtree Street, NE
Atlanta, GA 30361

Service of process directed to you shall be delivered by First-Class Mail delivered by the U.S. Postal Service or by overnight courier to the address furnished by you to Company when activating the Product online. You agree that any action or arbitration by you against Company must be commenced within one year of the accrual of the cause of action or shall be barred. Any action or arbitration you bring against Company must be based on the provisions of this Limited Product Warranty; any other action or arbitration that you may have or

bring against Company in respect to its Product shall be deemed to have merged in and be restricted to the terms and conditions of this Limited Product Warranty.

PROVISION FOR CALIFORNIA RESIDENTS: The Product may contain one or more chemicals known by the State of California to be included in the Proposition 65 List. Therefore, note the following:

"WARNING: This product contains a chemical known to the State of California to cause cancer."

"WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm."

ACCEPTANCE OF LIMITED PRODUCT WARRANTY TERMS AND REGISTRATION OF WARRANTY: By use of the Product you agree to the terms of this Limited Product Warranty. To activate and register complete the online product activation form.

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