



iHUB-3001B

iHUB-3001B-ADT

# Installation Guide

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## About This Guide

This document does not cover the physical installation and special configurations that may be required for the security system components. Refer to the manufacturer's documentation for each device for those specifics.

## Overview of the Installation Process

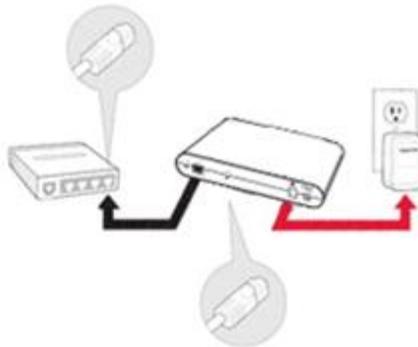
The installation utilizes a streamlined process for setting up the system. All components are individually activated and tested before being physically installed in their final locations, whenever possible.

## Upgrading the iHub Software

Prior to activating the service, the software in the iHub may need to be upgraded to the latest version. This process takes approximately 30 minutes to complete and should be performed early in the install process so it can be done parallel with the site's installation activities.

This process will activate your Gateway.  
Before you begin:

1. Connect an Ethernet cable from the Gateway's Broadband port to an unused port on the customer's router.
2. Connect the power cord first to the Gateway and then to an electrical outlet.
3. Wait until the LED labeled "Power" is solid green (may take up to 2 minutes).



### To upgrade the software:

1. On a computer connected to the Internet, open a web browser, and go to the activation URL [portal.adtpulse.com/activation](http://portal.adtpulse.com/activation).
2. Enter your Installer username and password, and click **Sign In**.

The activation wizard displays the Welcome screen.

### Welcome

This assistant will let you:

1. Enable interactive capabilities for your system.
2. Select service options and other parameters.
3. Install devices such as cameras (if supported by the type of system being installed).

**Continue**

3. After reading the information on the screen, click **Continue**.

The Select Hardware screen appears.

### Select System Hardware Configuration

Select the hardware configuration for the system that you are activating.

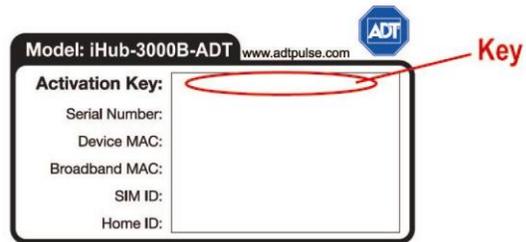
Hardware Configuration:

4. Select the type of security system panel you are installing, and click **Continue**.

The Enter Activation Key screen appears.

### Enter Activation Key

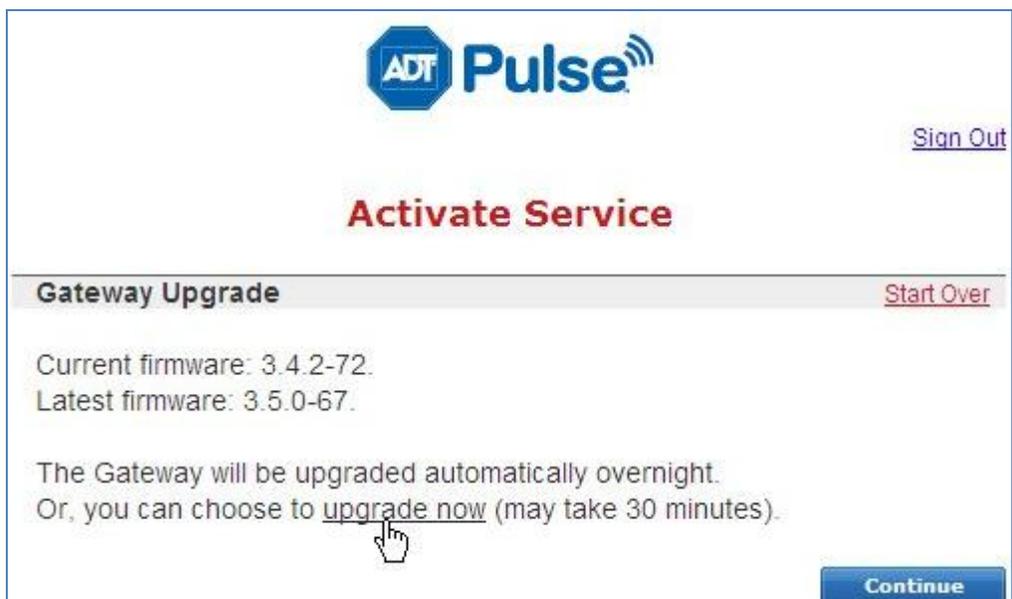
Enter the Activation Key for this system. This is generally located on the underside or on a separate label included with the unit.



Activation Key:  -  -  -  -

(Example: 0003-CC67-1234-5678-9ABC)

5. The iHub's current firmware will be displayed, along with the Latest firmware version required. Select "upgrade now" to begin the firmware upgrade.



6. The firmware upgrade process will take about 30 minutes to complete. During this time, other installation activities may be done.



7. When the upgrade is complete, the iHub will reboot and the LEDs will return to the "green / dark / dark / green" state.
8. The installer may sign out of the Activation wizard at this point.

## Activating the Service with Security Panel

Before continuing the activation process, you must make the hardware connections. Since each security panel is different, follow the instructions in the next section, "[Connecting the Hardware](#)", for the specific security panel you are installing. Then please follow the instructions in "[Activating the Service](#)" on [page 7](#) for all security panels.

### Connecting the Hardware

Follow the procedure in this section that applies to the security panel you are installing.

**Note:** Do not connect the iHub gateway's power supply to an electrical outlet until you are instructed to do so by the activation wizard. If you power on the gateway before it is connected to the Internet, it cannot retrieve the information it requires on power up. If you have already done this, simply unplug it and continue with the following instructions.

If you are installing a Touch Screen, do not connect it to a power source until you are instructed to do so by the activation wizard.

#### To connect the gateway to the security panel RS422 interface:

1. Wire the RS422 interface unit (Automation Module or xSPIM) per manufacturer's instructions. The RS422 module will connect to the Control Panel's Keypad bus.)
2. The iHub connectors are labeled Tx+, Tx-, Rx+, and Rx-. The RS422 interface Module connectors are labeled the same but might include a/b instead of +/- . Using a standard 4-wire security cable, connect the ports on the gateway's RS422 bus to the RS422 interface Module as follows:

iHUB Gateway	RS422 interface module
Tx+	Rx+ or RxD(+)
Tx-	Rx- or RxD(-)
Rx+	Tx+ or TxD(+)
Rx-	Tx- or TxD(-)

## Locating the iHUB

#### Internal Antenna units:

1. If the iHUB has no external antenna, the unit must be located on a horizontal surface (desk top). Try to place it at least 6 inches from other communication or heat generating devices. Do not place any electronics/communications devices on top of the iHUB.

### External Antenna units:

1. If the iHUB has an external antenna, the unit can be located on a wall or on a horizontal surface (desk top). Try to place it at least 6 inches from other communication or heat generating devices.
2. After mounting ensure the antenna is positioned vertically for best performance.

#### Antenna Position

##### Desk top iHUB



##### Wall mounted iHUB



## Activating the Service

### To activate the service:

1. On a computer connected to the Internet, open a web browser, and go to the activation URL [portal.adtpulse.com/activation](http://portal.adtpulse.com/activation).
2. Enter your Installer username and password, and click **Sign In**.

The activation wizard displays the Welcome screen.

### Welcome

This assistant will let you:

1. Enable interactive capabilities for your system.
2. Select service options and other parameters.
3. Install devices such as cameras (if supported by the type of system being installed).

**Continue**

3. After reading the information on the screen, click **Continue**.

The Select Hardware screen appears.

### Select System Hardware Configuration

Select the hardware configuration for the system that you are activating.

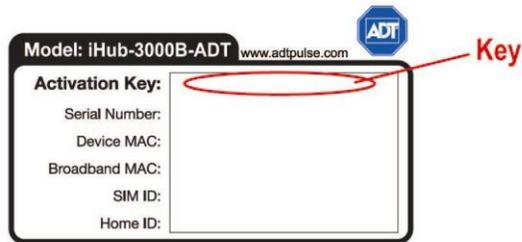
Hardware Configuration:

4. Select the type of hardware you are installing, and click **Continue**.

The Enter Activation Key screen appears.

### Enter Activation Key

Enter the Activation Key for this system. This is generally located on the underside or on a separate label included with the unit.



Activation Key:  -  -  -  -

(Example: 0003-CC67-1234-5678-9ABC)

5. Enter the activation key, and click **Continue**.

**Note:** The activation key contains numbers from 0-9 and letters from A-F. There are no letters O or I.

The activation process begins, and then the Select Service Options screen appears.

**Select Service Options**[Start Over](#)

Make selections for the service options below. Select None for any that do not apply.

Base Service Package:

Service Option 1:

Service Option 2:

Service Option 3:

Service Option 4:

Upgrade Group:

**Continue**

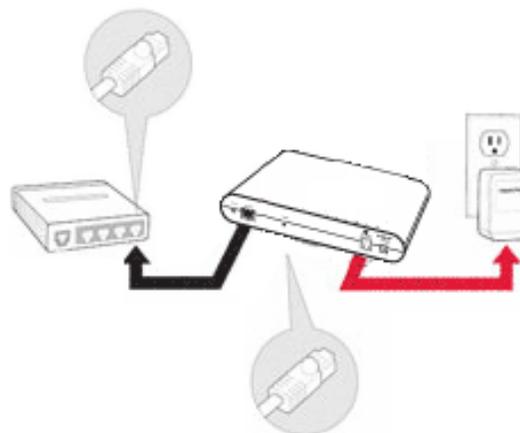
6. Select the appropriate options for the installation based on the information on the *Installer Reference Sheet*, and click **Continue**.

The Physical Setup screen appears. The exact wording on this screen varies based on the security panel you are installing and the service options you selected on the previous screen.

**Physical Set Up**[Start Over](#)

This process will activate your Gateway.  
Before you begin:

1. Connect an Ethernet cable from the Gateway's Broadband port to an unused port on the customer's router.
2. Connect the power cord first to the Gateway and then to an electrical outlet.
3. Connect the Security Panel to the Gateway.
4. Wait until the LED labeled "Power" is solid green (may take up to 2 minutes).

**Continue**

7. Follow the instructions on the screen, and then click **Continue**.

A message displays a progress bar, which indicates approximately how much longer the activation will take. If an upgrade is required, the activation application performs the upgrade automatically. If the power light blinks amber, it indicates that an upgrade is in process.

## Assigning the Site Owner

The next step in the procedure is to set the site owner, configure the site settings, and sign in to the web portal to complete the installation process. The user selection screen should still be displayed on the computer. This screen offers the option of creating a new user account or using an existing user account.

[Start Over](#)

New user?	or	Already a user?
<p>Create a user account to provide web and mobile access to your system.</p> <p style="text-align: center;"><b>Create New Account</b></p>		<p>Enter the Username for the site owner.</p> <p>Username: <input type="text"/></p> <p style="text-align: center;"><b>Continue</b></p>

Take one of the following actions:

- If the customer does not have a user account, click **Create New User Account**. The Create User Account screen appears. Continue with ["Creating a User Account" on page 10.](#)
- If the customer already has a user account, enter their username on the right side of the screen, and click **Continue**. Skip the next section and continue with ["Configuring Site Information" on page 11.](#)

### Creating a User Account

For customers who do not yet have a user account, you must create one. The user account enables you to complete the installation process and then for the customer to access their security system online or from a mobile device anytime they want. (If the customer already has a user account, skip this section.)

#### To create a new user account:

1. On the Activate Service sign in screen, click **Create New Account**.

The Create User Account screen appears.

## Create User Account

[Start Over](#)

Invite a new user to have web and mobile access to this system. Clicking Next will send an email invitation to the new user's email address.

Note: System alerts will be sent to the email address that you enter.

- Username must be composed of letters or numbers.
- Username must have between 5 and 15 characters

\* First and Last Name:

\* Email Address:

\* Username:  (Used for Sign in)

**Go Back**

**Continue**

2. Enter the required information for the customer.

Note: The customer's email address will also be their username.

Click **Continue**.

The Site Information screen appears. Continue with "[Configuring Site Information](#)" on page 11.

## Configuring Site Information

When you click **Continue** on either the user selection screen or the Create User Account screen, the Site Information screen appears.

**Site Information**[Start Over](#)

Enter the following additional information required to complete your installation.

\* Site Name:   
 (Example: Smith Home)

\* Time Zone:

\* Security Panel Access Code:   
 (Note: This must be a valid code that is used to arm and disarm the security panel.)

\* Re-Type Access Code:

\* CMS Broadband Configuration:

\* CMS Cellular Configuration:

\* Central Monitoring Station ID:

\* External Account ID:

Note: Setting the time zone may cause the system to reboot when you click Continue.

**Continue**

**Note:** Depending on how the system is configured, this screen might not require you to enter all of the information shown in this example.

**To configure the site information:**

1. Enter the required information from your *Installer Reference Sheet*, and then click **Next**.

**Note:** The Security Panel User Access Code must match the same access code in the ADT Pulse portal. For example if the user access code is 1234 (not recommended), the ADT Pulse setting must also be 1234 or remote control will not be possible.

The installer should inform the customer that if they ever change their keypad user code they must also change the code in the ADT Pulse web portal.

A message informs you that the service is now active.

**Note:** If the service is not successfully activated, please refer to the Pulse Troubleshooting guide for help.

2. Click **Go to Portal**.

The installer sign in page appears.

**ADT Pulse**

**Sign In**

**Username:**

**Installer Username:**

**Installer Password:**

**Sign In**

[Switch to Customer Sign In Screen](#)

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3. Enter your installer password in the Installer Password field, and click **Sign In**.

The web portal launches and displays a site status message at the top of the page indicating that the site is in install mode.

Continue with the installation and set-up, referring to the ON-LINE Help and instructions.

**NOTE:** For Honeywell Panels set zone types for all sensors.

Follow the on screen process, Under System Tab>Manage Devices>

## Specifications, Approvals and Certifications.

Ethernet	<b>LAN</b>	1 (10/100 Mbit/sec port)	
	<b>WAN</b>	1 (10/100 Mbit/sec port)	
Wireless	<b>WiFi</b>	IEEE 802.11b/g	
	<b>Z-Wave</b>	Built-in Z-Wave module	
Wired Control Interface	<b>RS232/ RS422</b>	1 (External RS232 / RS422 by screw terminal connector)	
	<b>USB</b>	2 (for future expansion)	
	<b>JTAG</b>	1 (for development / debug)	
Software	<b>Applications</b>	Linux 2.4 BSP Ready	
	<b>Web Browsers</b>	Broadcom BCM5354 Web Interface	
Hardware	<b>Processors and memory</b>	SoC: Broadcom 5354 SDRAM: DDR 32 MB Nor Flash 32 MB	<b>Connectors</b> DC Power Jack Screw Terminal for RS232 / RS422 2 RJ-45 for Ethernet LAN and WAN 2 USB for external USB device
	<b>LED and Button</b>	LED: Power, Broadband, Devices Button: Reset, Sync	<b>Antenna</b> 1 WiFi External 5 db antenna 1 WiFi internal antenna (optional) 1 Z-Wave internal antenna
	<b>Power Consumption</b>	12 DC, Max 10.5W	<b>Compliance</b> FCC, CA Power Supply: UL
	<b>Dimensions (H x W x D)</b>	235 x 160 x 40mm (9.3" x 6.3" x 1.57")	<b>Weight</b> 590g (1.3 lb)
Environment	Operation: Temperature: 0 - 40°C (32° - 104°F); Humidity: 10% - 80% RH (non-condensing) Storage: Temperature: -20 - 70°C (-4° - 158°F); Humidity: 0% - 90% RH (non-condensing)		
Accessories	Powered Supply (12V / 1A, 100-240VAC)		

## FCC Warning 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 or more of the following measures:

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

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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 RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.