Blue by ADT security system setup guide

Blue Smart Home Hub

Part number: MAN4000
Revision: 1.3

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1.0 **Important information**

5017801 ETL Listed Household Residential Fire and Burglar Alarm Control System.
Conforms to UL STD 985 and 1023.

Test weekly to ensure proper operation of this system.

WARNING: Do not connect any components to a receptacle controlled by a switch.

This system should be checked by a qualified technician at least every 3 years.

This equipment should be installed in accordance with chapter 29 of the National Fire Alarm Code ANSI/NFPA 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02669). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

Refer to Installation Manual (MAN4000) at: www.BluebyADT.com/support for important instructions and information.

2.0 Recommendations for protecting your home

2.1. Smoke detection

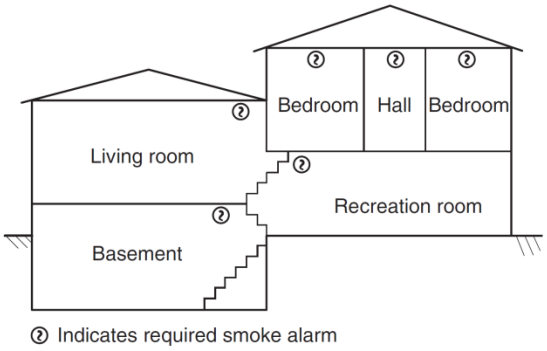
The National Fire Protection Association (NFPA) is the world's leading advocate of fire prevention and issues standards adopted by most municipal governments. NFPA standard 72 recommends the following:

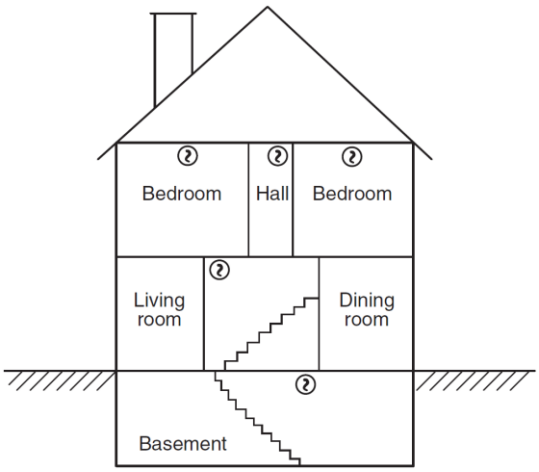
Where to locate the required smoke alarms. The major threat from fire in a dwelling unit occurs at night when everyone is asleep. Persons in sleeping areas can be threatened by fires in the remainder of the unit; therefore, smoke alarms are best located in each bedroom and between the bedroom areas and the rest of the unit. In dwelling units with more than one-bedroom area or with bedrooms on more than one floor, more than one smoke alarm is required. In addition to smoke alarms outside of the sleeping areas and in each bedroom, NFPA 72 requires the installation of a smoke alarm on each additional level of the dwelling unit, including the basement. The living area smoke alarm should be installed in the living room or near the stairway to the upper level, or in both locations. The basement smoke alarm should be installed in close proximity to the stairway leading to the floor above. When installed on an open-joisted ceiling, the smoke alarm should be placed on the bottom of the joists. The smoke alarm should be positioned relative to the stairway so as to intercept smoke coming from a fire in the basement before the smoke enters the stairway.

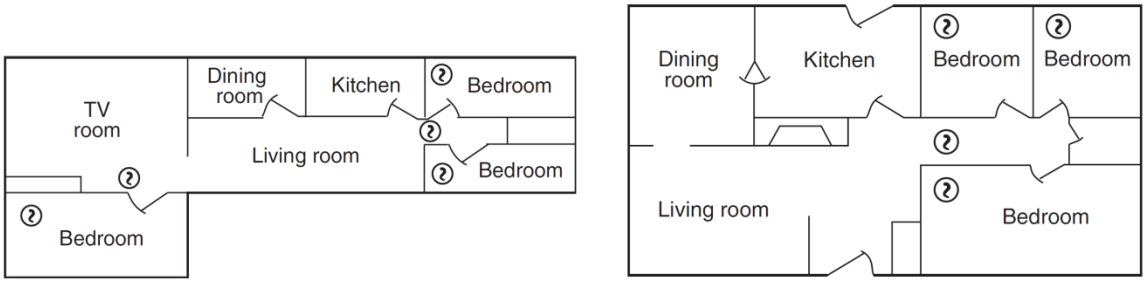
Are more smoke alarms desirable? The required number of smoke alarms might not provide reliable early warning protection for those areas separated by a door from the areas protected by the required smoke alarms. For this reason, the use of additional smoke alarms for those areas for increased protection is recommended. The additional areas include the basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required smoke alarms. The installation of smoke alarms in kitchens, attics (finished or unfinished), or garages is not normally recommended, because these locations occasionally experience conditions that can result in improper operation.

Additional locations. While not required by NFPA, it is recommended that smoke detectors be installed at each end of a hallway that is more than 40 feet long, and in the room where your Blue by ADT equipment is set up. A fire in the room with your Blue by ADT system could prevent the system from reporting the fire or an intrusion.

Please see the diagrams below for example home layouts and recommended smoke detector locations.







Source: NFPA 72

2.2. Security detection

For best protection against intruders, security sensors should be located at all points where an intruder can potentially enter your home. This includes all first-floor doors and windows, as well as second-floor windows that might be easily reached from a lower roof, trellis, tree, or similar. Motion sensors should be used when it is not practical to use door & window sensors. Motion sensors should also be located in hallways or other areas that an intruder would pass through to reach you or your valuables. In many municipalities, the police dispatchers require 2 sensors to trigger (or a visually verified intrusion) before they will dispatch police. A sensor on an opened door combined with motion detection satisfies this requirement.

In addition to cost and damage from theft, water can cause extensive damage to a home. Water detection sensors (Blue Flood & Temperature Sensors) should be located near any point where water can leak and cause damage. This includes near a washing machine, hot water heater, under sinks, and near toilets.

Blue by ADT systems support two forms of communication, internet and cellular. It is recommended that you enable both forms of communications for redundancy. No network provider or Blue by ADT can always guarantee 100% availability of any network connection, therefore backup provides additional means for communications in the event of a fire.

3.0 Component list

Your Blue by ADT security system was designed for use with the Blue by ADT and approved third party devices below. Your Blue by ADT security system is not approved for use with any other devices. Use of any unapproved or unauthorized devices with your system may cause damage or compromise the performance of your system and affect the limited warranty. The following UL listed devices are supported in a Blue by ADT security system:

- S40LR0-01 or S40LR1-01 Blue Smart Home Hub
- SSH1R0-29 Blue Door & Window Sensors
- SSM1R0-29 Blue Motion Sensor
- SSS1R0-29 Blue Smoke Detector

Other accessories available include:

- SSW1R0-29 Blue Flood & Temperature Sensor
- SKP3R0 or SKP3R1 Blue Keypad
- SKF3R0-29 Blue Keychain Remote

3.1. Maximum components per system

Smart home hub	1
Keypad	250
Door & window sensors	250
Motion sensors	250
Smoke detectors	250
Flood & temperature sensors	250
Keychain remotes	250

* The system will support a total combination of 250 sensors of any kind listed in the table.

†Up to 8 simultaneous 2-way conversations

4.0 Setting up your system

All Blue by ADT products work together as a system to protect your home. They must be set up in a specific order to work properly. The Blue Smart Home Hub is set up first, followed by the auxiliary sensors and devices.

4.1. Set up the Blue Smart Home Hub

Only 1 Blue Smart Home Hub may be used on a system.

Determine the location

The Blue Smart Home Hub should be placed on a tabletop near an electrical outlet.

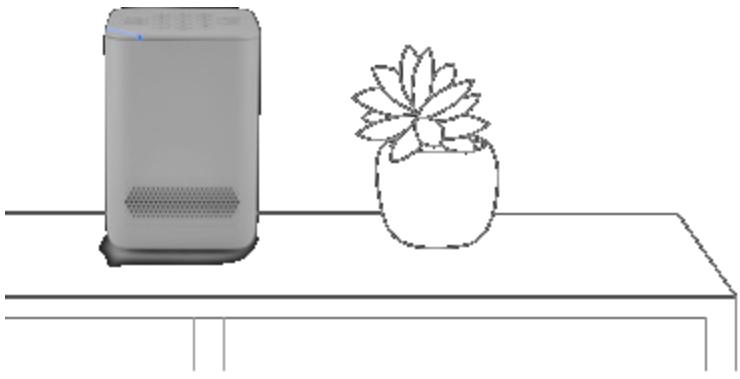
The smart home hub should be located where it cannot be reached by children.

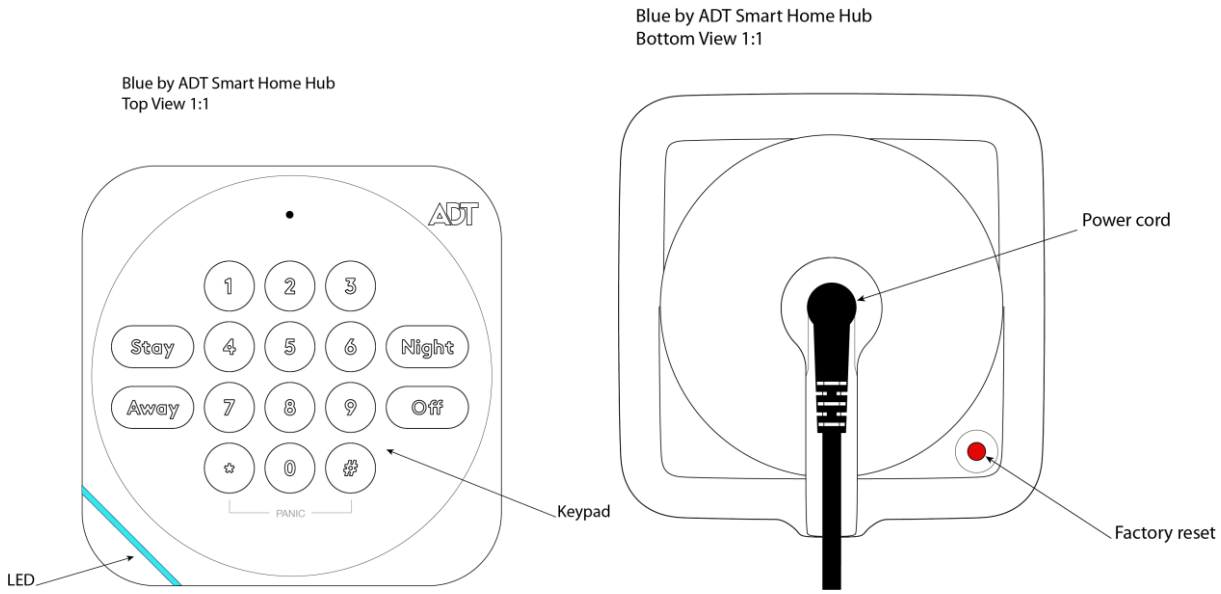
Please consider the following when deciding where to locate the smart home hub:

- The smart home hub will require AC power, so an outlet should be available within 6 feet. The outlet must not be controlled by a switch, and must provide continuous power.
- The smart home hub receives all sensor events wirelessly, so a more central location is preferred in your home (depending on size). If you locate the smart home hub in a far corner of the house, it may not be able to receive signals from the opposite side of your home. You can locate the smart home hub in a first or second floor room. In general, basement locations are not as good for wireless coverage.
- Open air range of the wireless sensors to the smart home hub is in excess of 200m. Due to variations in building construction and other conditions, the actual range may be significantly less. Manufacturer's published range should be used for comparative purposes only.
- The smart home hub must communicate to Blue by ADT using Wi-Fi or LTE cellular service (or a combination). The smart home hub must have a good Wi-Fi signal to your router. Please see the notes below on Wi-Fi signal coverage in a home.
- If you intend to use the LTE cellular capability of the smart home hub, the device will need to receive a cellular signal. In most parts of the country, AT&T is the preferred carrier for the LTE cellular signal. The smart home hub includes an internal cellular antenna.
- The smart home hub includes a loud piezo siren. You will want to make sure the device is located in a place where you can hear the siren.
- The top of the smart home hub contains a built-in keypad for arming and turning off your security system. Do not place anything on top of your smart home hub, which could accidentally press buttons.
- The smart home hub should not be mounted in location subject to temperatures over 120°F (49°C) or below 32°F (0C) for any extended period of time. This will degrade the battery life. *Note: Please keep in mind that when finding a place to position your smart home hub, it will need to be free from metal objects and appliances that generate heat. Avoid setting the device directly on or near any major appliances, kitchen appliances, heaters, entertainment consoles, cable boxes, internet routers, televisions, and stereos.*

<u>Placing the Blue Smart Home Hub</u>

The Blue Smart Home Hub may be placed vertically on a shelf or a table top. The smart home hub includes a non-skid bottom that helps prevent the device from moving.





Power up the Blue Smart Home Hub

Once you have placed the Blue Smart Home Hub, you can connect AC power. Use only the power supply model F18L10 supplied with your smart home hub. Do not use any other adapters. Insert the power adapter plug fully into the jack on the bottom of the smart home hub. Plug the power adapter into the wall outlet. The power adapter LED should illuminate green if power is available. The smart home hub was shipped to you in a deep sleep state. The battery is connected, but all of the circuits are turned off. When you apply AC power for the first time, the smart home hub will boot (in a similar fashion to your computer). This boot process takes about 30 seconds. Please see the LED descriptions if you want to monitor the completion of boot mode.

Connect power adapter

- Do not use an electrical outlet that is controlled by a switch or part of a ground fault circuit interrupter (GFCI) that could switch power off.
- Insert the power adapter plug fully into the jack on the bottom of the smart home hub. Plug the power adapter into the wall outlet.
- Place the power adapter cord so that it does not create a tripping hazard, or become pinched and create an electrical hazard.
- In the event that AC power is lost, the power adapter LED indicator will go dark, the LED on top of the unit will flash yellow, and the unit will chirp once.
- In the event that the power adapter plug is disconnected from the bottom of the smart home hub, the LED on top of the unit will flash yellow, and the unit will chirp once.

Setup and activation

1. While your smart home hub is starting up, if you have not done so already, download the iOS or Android app by visiting www.BluebyADT.com/apps. Open the app to create an account or log in to an existing account.
2. Follow the in-app setup instructions to connect your Blue Smart Home Hub to your home's Wi-Fi network.

Note: Make sure Bluetooth is ON on your mobile device. Your device will need to pair over Bluetooth to your smart home hub for setup.

3. After activating your smart home hub, proceed with the in-app guide for setting up any sensors, devices, and cameras.

Note: It is important to set up professional monitoring since it helps to protect your home in the event of burglary and fire. Enrolling in professional monitoring ensures that the monitoring center will contact you and dispatch emergency authorities if needed.

WARNING: Only use dedicated always-on broadband internet communications. Do not use dial-up type internet connections that are not always available. Your Blue by ADT security system sends regular "heartbeat" messages to the Blue by ADT servers every 5 to 60 seconds. In addition, during an alarm condition, relying on dial-up connections is not always reliable or assured.

Battery backup for internet router

While your Blue by ADT security system includes battery backup, communications to the monitoring center may still be disrupted in the event of power outage if your router and internet communications do not also have battery backup. You must provide at least 8 hours of battery backup for any equipment (such as a router, switch, or broadband internet modem) used for communications by your Blue by ADT security system to the internet.

Red button on bottom of unit. A momentary press of this button will cause the smart home hub to reboot. This is not a common need and it is recommended that you do not press this button unless a Blue by ADT customer service representative has instructed you to press the button.

Arming your security system:

Blue by ADT provides a variety of options for arming and disarming your system. The Blue by ADT Smart Home Hub includes a keypad that is built into the top of your device for convenient control. Depending on your needs, you may choose one of three different arming modes:

- **STAY**: Press the Stay button and then enter your User Code to arm in stay mode.
  - This is used when you are home, entry and exit delays are ON, and motion sensors are OFF.
- **AWAY**: Press the Away button and then enter your User Code to arm in away mode.
  - This is used when no one is home, entry and exit delays are ON, and motion sensors are ON.
- **NIGHT**: Press the Night button and then enter your User Code to arm in night mode.
  - This is used when you're in for the night, entry and exit delays are OFF, and motion sensors are OFF.
- **OFF**: Press OFF and then enter your User Code to disarm your security system.

Note: By design, the exit and entry delays give you enough time to leave or enter your home without setting off a false alarm.

TIP: Make sure all windows and doors are closed before arming the system. If a sensor is open when you are trying to arm the system, you will be prompted to bypass the sensor. You can either close the door or window and try to arm again or bypass the sensor so it won't be monitored until the next time the system is armed.

Your smart home hub includes a panic button to be used in case of an emergency inside your home. This panic button will immediately notify the monitoring center to automatically dispatch emergency services to help you.

To trigger the panic button:
• **Smart home hub**: Press and hold the star (*) and pound (#) buttons at the same time for two seconds. This action will trigger a panic alarm.

Press Off to cancel the Panic alarm siren locally on your smart home hub.
Note: If monitored, once a panic alarm is triggered, you cannot cancel emergency services from being dispatched.

• **Duress code**: There is also an option to set up a unique duress code (different from your User Codes). Use this code when you feel threatened by someone forcing you to disarm from inside your home. When you enter the code, the alarm will not sound. A special duress message is sent to the monitoring center, and emergency services will respond appropriately.

- To create a duress code, select **Menu** > **Users** > **+** to Add, and select Duress User. Create a Duress User with a unique 4-digit duress code and then press Add User.

Note: The panic button and duress code should only be used in an emergency. There is no option to cancel dispatch if you are not in an emergency. Your local municipality and police department will treat this as a false alarm.

Users
Blue by ADT allows for multiple User Codes, which will enable you to keep track of who arms and disarms your system.

- Master User Code: You will only have one 4-digit Master User Code, which gives you complete access to your entire system. Protect this code, and do not share it with others.
- Users: Invite your trusted friends and family and keep track of who arms and disarms your system. Users will be invited via email and set their login password, security question, and can manage their notifications under My profile. As the Master User, you may invite any of the following user types to your system:
  - Admin Users get full access to all platforms and functionalities except billing.
  - Standard Users have access to monitoring, controlling, and limited settings management.
  - Basic Users can only arm/disarm.
  - Duress User is a code to disarm the system and notify the monitoring center. You may only have one duress code, which is shared by all, to trigger a duress alert to the monitoring center.

Learn more about Users by visiting **BluebyADT.com/support**

What to do in the event of an alarm:

Useful knowledge:

What is a User Code? It's your 4-digit PIN used to disarm your system.
What is a Monitoring Passcode? This passcode is a phrase given verbally to the monitoring center to verify that you are the account holder. In the event of an

alarm, you must provide it to prevent dispatch or also to discuss any information with the monitoring center.

When your alarm is sounding, there are a few options for you to choose, depending on the scenario:

• If it is a false alarm triggered by you, a loved one, or by accident, you have 30 seconds to Disarm the alarm by entering your User Code. Doing this will cancel the alarm and return the system to normal with no further action.
• If it is a false alarm and you do not enter a User Code within 30 seconds, the monitoring center will call the primary contact. If that person gives the correct monitoring passcode to the dispatcher, the false alarm is canceled.
• If the alarm sounds in a true emergency, then the alarm will continue to sound, and the monitoring center will be notified after 30 seconds. The primary contact will receive a call, provide the monitoring passcode, and can request dispatch of emergency services to your home.
• If the primary contact is unavailable or cannot provide the dispatch with the monitoring passcode, the dispatcher will continue calling the secondary contact and any courtesy contact until someone has the correct monitoring passcode.
• If the incorrect monitoring passcode is provided or no contact can be reached, the monitoring center will contact the authorities.

Make sure you have a family emergency escape plan that specifies where to meet and what to do in case of an emergency.

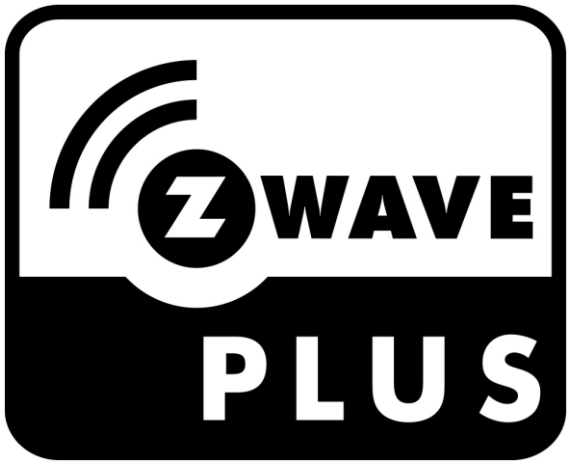
Blue Smart Home Hub settings

- To manage settings of your smart home hub, launch your Blue by ADT app or log in to the web portal. From the app/web portal, you can manage the LED light settings as well as audio settings for turning on or off various chimes and tones. If you do not want to have the panic button enabled, you can also disable the panic button feature if desired. Then the panic button is enabled by default.
- Learn more by visiting www.**BluebyADT.com/support**

Cameras, sensors, and devices

- Follow the in-app guide for setting up the sensors and devices that come with your initial system purchase. If you purchase additional sensors, devices, or cameras after initial setup, you can easily pair those to your system by launching the app go to into **Menu** > **Devices** and select **+ Add**.
- You can expand your security system at any time. Order online under Shop on your web portal or contact Blue by ADT to purchase additional devices at **877-987-4435**

4.1.1. Z-Wave™ statement



The Blue Smart Home Hub is a Z-Wave Plus™ Product supporting the S2 Security Protocol with numerous capabilities described below.

This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All mains operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

SmartStart enabled products can be added into a Z-Wave network by scanning the Z-Wave QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity. To access the SmartStart Provisioning list, go to Settings > Devices > Go to your smart home hub > Select advanced settings and then clicking SmartStart Provisioning. From there you can add a device by selecting "+" and then either selecting Manually or Scan QR Code and follow the prompts. Once a SmartStart device has been successfully added its DSK (Device Specific Key) and status will show up on the SmartStart Provisioning screen. To remove a SmartStart provisioned device from the screen, swipe it left and you will be asked to Confirm or Cancel the request for removalclick Smart.

The DSK (Device Specific Key) can be accessed by going to Settings > Devices > Going to your smart home hub > Selecting advanced settings and then clicking Z-Wave Learn Mode. The full DSK will be displayed.

Your system supports the use of Z-Wave lights, locks, thermostats, and garage door controllers. To learn more about how to add the devices to your system, control them, and what is supported, please visit **www.BluebyADT.com/support** and explore our Support Center articles. A summary is listed below.

Adding a device:
To add a Z-Wave device, go to Settings > Devices > Click on the add button and then select the type of device. The smart home hub will then go into inclusion mode and you will be prompted

to follow your manufacturer's instructions to put the device into inclusion mode. Once the device is added you will hear a confirmation beep from your smart home hub and you will be brought to a screen to name the device and to choose an icon.

Some Z-Wave devices may support secure adding also known as 'S2.' S2 devices encrypt their communication with the smart home hub for added security. These devices can be added using the process described above, but once the device has been discovered, you will be prompted to enter a PIN code provided on the device label to complete the process. After the device has been successfully added, it will operate like any other Z-Wave device. If secure add fails, the device may still add, but in an unsecured mode, and you may be prompted to delete and reinstall the device to ensure it is properly secured.

Note: Not all Z-Wave device types may be supported by the system. If you choose to add a device that is unsupported, it will come into the system as unknown and be located in the lights and appliances cards.

Controlling a device:
Once a Z-Wave device has been added to the Blue Smart Home Hub, it can be controlled using the home automation cards on the main screen of the iOS, Android, or web applications. All devices can be issued basic on/off commands, but devices which support other features will have additional control options on their card.

Lights	Turn the light on and off and change the brightness for dimmable switches.
Locks	Lock and unlock the lock.
Garage doors	Open and close your garage door.
Thermostats	View your current temperature and mode, adjust your temperature settings, change the heating and cooling mode, and change the fan mode.
Unknown devices	Any device that is added to the system but is not recognized as a fully supported device will only have basic on/off control.

Sensors:
The system does not currently support Z-Wave sensors. It is recommended that you use DECT/ULE sensors that can be purchased in the Blue by ADT store instead.

Association Group information:
This product supports Association Group 1 (Lifeline) with the maximum of 5 nodes. This product will send CC DEVICE_RESET_LOCALLY to the lifeline before performing default factory reset.

Removing a device:
To remove a device, go to Settings > Devices and choose your device. You can then delete it by clicking remove and following your manufacturer's directions to put the device into exclusion mode. If a device is not on the network, you may fail the remove and then be prompted to

remove the failed device. This will remove the device from the network without it being present. If you would like to add your device to another system, then you will need to reset the device per the manufacturer's instructions. You can use the general exclusion for resetting devices as well under Settings > Devices > Go to your smart home hub > Select advanced settings, and then click General Exclusion.

Removing a failed node:
If you are attempting to remove a device that is no longer active in the Z-Wave network, you can instruct the smart home hub to remove the device. Navigate to the advanced Z-Wave settings page for the failed device and press "Remove Failed Device". The smart home hub will proceed to remove the device from the Z-Wave network. Note: If your device comes back online after it has been removed via Removed Failed Device, you will need to reset your device in order to re-add it. Use "General Device Exclusion" to do this.

Replacing a device:
To replace a device, go to Settings > Devices > Choose Your Device and then select Replace Device. You will first be prompted to click on the device you are replacing. If it is not on the network you will be prompted to remove the failed device. After the first device is removed, you will be prompted to add your new device by following the manufacturer's instructions to add a device. Once the replace is confirmed, then your device will then work as your other device did with rules. If you attempt to replace a device with a different type of device, for example replacing a light with a lock, then your rules will no longer work for that device.

Adding your smart home hub to another network:
If you would like to add the smart home hub into another Z-Wave network, you must first delete all Z-Wave devices from the smart home hub before proceeding. Once all devices have been deleted, follow the instructions on the other controller to put it into add mode. Once the other Z-Wave controller is in add mode, you can place the smart home hub into learn mode by navigating to Settings > Devices > Choosing your smart home hub > Opening Advanced Options.

From this menu, select Z-Wave Learn Mode to put the smart home hub into learn mode. Follow the instructions on the other controller to complete the add process. Once the add is complete, the smart home hub will request a copy of the other Z-Wave network configuration, and the network devices will appear on the Blue by ADT iOS, Android, and web applications.
When the smart home hub is included in another Z-Wave network, it will ignore Basic Z-Wave commands that are sent to it.

Copying your Z-Wave network information to another controller:
If you would like to copy your network information to another controller, you must add the controller to the Z-Wave network using the normal device add process. Once the controller has been successfully added to the Z-Wave network, all network configuration will be automatically transferred to the new controller.

Resetting your Z-Wave network:
If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all

of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable. In order to factory reset your Z-Wave network, go to Settings > Devices > Choose your smart home hub > Open Advanced Settings and then select Z-Wave Reset Controller. After a few seconds, the smart home hub will beep to indicate that your Z-Wave network has been reset. Any devices which were part of your Z-Wave network will need to be reset before they can be re-added. Use the Z-Wave General Exclusion menu under Settings > Devices > Choose your smart home hub > Open Advanced Settings to do this.

Interoperability with Z-Wave devices
This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery-operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network.

Functional overview
This device behaves as static controller based on the Z-Wave Controller Library. It controls devices using the following Z-Wave Command Classes:

Version	Non-secured CC	Version	Secure CC
2	COMMAND_CLASS_ZWAVEPLUS_INFO	3	COMMAND_CLASS_NETWORK_MANAGEMENT_ INCLUSION
2	COMMAND_CLASS_TRANSPORT_SERVICE	2	COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC
1	COMMAND_CLASS_CRC_16_ENCAP	2	COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY
1	COMMAND_CLASS_APPLICATION_STATUS	1	COMMAND_CLASS_ASSOCIATION_GRP_INFO
1	COMMAND_CLASS_APPLICATION_CAPABILITY	1	COMMAND_CLASS_DEVICE_RESET_LOCALLY
1	COMMAND_CLASS_SECURITY_2	1	COMMAND_CLASS_NETWORK_MANAGEMENT_ INSTALLATION_MAINTENANCE
1	COMMAND_CLASS_SECURITY	2	COMMAND_CLASS_MANUFACTURER_SPECIFIC
1	COMMAND_CLASS_INCLUSION_CONTROLLER	1	COMMAND_CLASS_POWERLEVEL
1	COMMAND_CLASS_SUPERVISION	1	COMMAND_CLASS_NODE_PROVISIONING
		5	COMMAND_CLASS_FIRMWARE_UPDATE_MD
		2	COMMAND_CLASS_ASSOCIATION
		2	COMMAND_CLASS_VERSION

This product controls devices with Basic Command Class using values 0 for OFF and 255 for ON. The device does not implement supports for receiving Basic Command Class.

DESCRIPTION OF CONTROLLED COMMANDS AND FUNCTIONS

Controlled Command Classes	Functions	How
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION	To establish Lifeline configuration during Inclusion	Include devices that support this CC. During configuring and interviewing, this device will attempt to configure/query association information using this CC.
COMMAND_CLASS_WAKE_UP	To set wake up interval and send wake up no more	Add a sleeping device. When the sleeping device checks in, this product will send Wake up no more to the device.
COMMAND_CLASS_MULTI_CHANNEL	To control multi-channel endpoints	Add a power strip that supports multi-channel. Using the User App, turn on or off the endpoints.
COMMAND_CLASSS_BARRIER_OPERATOR	To control Entry Control devices such as Garage door controller	Include a garage controller. On the User App, open/close garage controller.
COMMAND_CLASS_BASIC	To control Unknown devices or Device that only support BASIC CC	Include an unknown device. On the User App, turn on or off unknown devices.
COMMAND_CLASS_SWITCH_BINARY	To control Binary Switch Devices	Include a binary switch device. On the User App, turn on or off binary switch device.
COMMAND_CLASS_DOOR_LOCK	To Control Lock device	Include a lock. On the User App, lock or unlock the device.
COMMAND_CLASS_METER	To report metering information	Add a device that support metering information. See that metering is reported correctly on the User App.
COMMAND_CLASS_SENSOR_MULTILEVEL	To control multi-level sensor devices	Add a thermostat that report temperature as multi-level sensor report. See that the temperature is reported correctly on the User App.
COMMAND_CLASS_SWITCH_MULTILEVEL	To control multi-level switch devices	Add a dimmer that support this CC. Control the dimming levels.
COMMAND_CLASS_NOTIFICATION_V3	To process status from Lock	Add a lock. Manually change the lock. See that the lock's status is reflected in the User App.
COMMAND_CLASS_THERMOSTAT_FAN_MODE	To control thermostat	Add a thermostat. On the User App, change the thermostat fan mode.
COMMAND_CLASS_THERMOSTAT_FAN_STATE	To display thermostat status	Add a thermostat. On the User App, change the fan mode. See that the fan state is display appropriately.
COMMAND_CLASS_THERMOSTAT_MODE	To control thermostat	Add a thermostat. On the User App, change the thermostat operating mode.
COMMAND_CLASS_THERMOSTAT_OPERATING_STATE	To display thermostats status.	Add a thermostat. On the User App, change the thermostat operating mode. See that the operating state is displaying appropriately.
COMMAND_CLASS_THERMOSTAT_SETPOINT	To control thermostat	Add a thermostat. On the User App, change the setpoints.
COMMAND_CLASS_ASSOCIATION	To establish Lifeline configuration during inclusion	Include devices that support this CC. During configuring and interviewing, this device will attempt to configure/query association information using this CC.
COMMAND_CLASS_VERSION	To query the supported version of a Command Class	Include a device that support metering information. See that this product attempt to request the METERING CC's supported version.
COMMAND_CLASS_MANUFACTURER_SPECIFIC	To interview the device's manufacturing information	Include the device. Observe that this product requests the included device's manufacturing information.
COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC	Use to reset controller	On the User app, reset the controller.
COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY	Use to request node's cache information	Add a device. This product will request the node's cache information and correctly identify the supported device type using its basic, generic and specific type in the cache report.
COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION	To assign return route	Add a device and observe that this product will configure the included device's return route.
COMMAND_CLASS_INCLUSION_CONTROLLER	To ask a receiving node to perform specific steps in the inclusion/bootstrapping process	When this product is an inclusion controller, if user requests to start the inclusion process, this product will request the SIS to perform the inclusion bootstrapping process.
COMMAND_CLASS_SECURITY_2	To encapsulate secure commands	Add an S2 capable device.
COMMAND_CLASS_SECURITY	To encapsulate secure commands	Add an S0 capable device.
COMMAND_CLASS_ZWAVEPLUS_INFO	To request Node's Z-Wave Plus info	Add a Z-Wave Plus device. Observe using a Z-Wave packet sniffer, this device will request the included device's Z-Wave Plus information.
COMMAND_CLASS_TRANSPORT_SERVICE	To encapsulate commands	Add a device that support this CC. Observe using a sniffer that this product uses encapsulation when communicating with the device.
COMMAND_CLASS_CRC_16_ENCAP	To encapsulate commands	Add a device that support this CC. Observe using a sniffer that this product uses encapsulation when communicating with the device.

4.1.2. Smart home hub LED light guide

Your smart home hub has an LED light on the top of the unit. This quick reference guide will help you understand your system's status on a day-to-day basis.

Normal LED smart home hub light patterns

- Solid green — Disarmed – ready to arm
- Solid blue — Armed (any mode)
- Flashing blue — Entry delay, exit delay
- Flashing red — Alarm, panic
- Flashing green — Disarmed – not ready to arm
- Flashing yellow — A device is faulted, lost, or has a low battery, and the system is not ready to arm.

Other smart home hub LED light patterns

- Flashing blue (1 second on/1 second off) — Bootup
- Flashing purple — Add sensor/device
- White/blue alternating — Downloading firmware
- Yellow/red alternating — No network connection
- Yellow/green alternating — Network is connected, but not connected to our server
- Yellow/blue alternating — Connected to server, not activated

Smart home hub troubleshooting

Slash LED light	**Smart home hub status**	**What you should do**
The light on the top of the smart home hub is flashing or alternating yellow/red.	The smart home hub is trying to connect to the internet, failed to connect, and is trying to connect again.	Ensure your home internet is working. If the internet is working and the light does not return to solid green, please reset the smart home hub by pressing and releasing the red reset button on the bottom of the smart home hub. If the issue remains, contact Technical Support.
The light on the top of the smart home hub is flashing or alternating white/blue.	The firmware is updating.	The light should return to green within approximately 15 minutes. If the light does not return to green, please contact Technical Support.
The light on the top of the smart home hub is flashing yellow.	A device is faulted, lost, or has a low battery, and the system is not ready to arm.	Close the door or window that is open or address any other faulted or troubled devices.

For more help, visit www.**BluebyADT.com/support**

4.1.3. False alarm prevention

We designed the system with features and best practices to help you reduce the number of false alarms. There are many ways to avoid triggering false alarms. When your alarm is sounding, there are a few options for you to choose from, depending on the scenario. You can turn off these settings; however, doing so will trigger an increased number of false alarms.

- **Abort window time:** You have 30 seconds to enter the correct User Code. This time allows you to cancel and disarm the alarm with an extra delay known as the abort window delay. If the alarm has already been triggered and a siren is sounding, you can enter your User Code during this next 30-second window, and no alarm will be sent to the monitoring center.
  Note: 30 seconds is the default setting time. You may change the abort window time in your system settings.
- **Fire alarm verification:** If your Blue by ADT Smoke Detector senses smoke, your smart home hub will wait 60 seconds to ensure that the smoke detector is still alarming before dispatching a signal to get help. This time allows you to silence an alarm triggered by burning food, for example, and avoid a false alarm.
- **Exit error:** Exit error occurs if a sensor is tripped when the exit delay time expires, for example, if you do not close the door completely when leaving your home during exit delay. The entry delay time will start immediately, giving you the chance to disarm the system before an alarm is sent to the monitoring center with an exit error.
- **Auto arm stay:** If you arm the system in Away mode and do not exit through a monitored entry point, the system will automatically default to Stay mode to prevent false alarms from motion sensors.
- **Practice mode — 7-day practice period:** When you first set up your new security system, you are placed within a 7-day practice period, which serves as a learning opportunity for you. This period will ensure that you can practice using your system and make mistakes without worrying about false alarms. After the practice period, if you meet all permit requirements, you will be placed in full-monitoring mode by the monitoring center to ensure that your home is protected.

Alarm registration and permits
Many municipalities require users to obtain an alarm permit/registration to activate monitoring services.

Obtaining local permits & registration:
ADT contacts your local municipality to determine if a permit is required and will email you with any steps on how to obtain permit/registration. In the meantime, you can contact your local municipality and ask if a security system permit is required. Below is some of the information a municipality may ask you.

Alarm company
ADT Security Services
1501 Yamato Road
Boca Raton, FL 33431
Phone: (877) 464-7437
Fax: (267) 568-2107

Monitoring company
ADT Security Services
715 West State Rd, 434, Suite J
Longwood, FL 32713
(855) 894-1737

It is crucial to obtain permits and/or registration if required in your municipality.

Please note: Residents are responsible for all permit fees, false alarm fees, runner service/alarm verification service fees, and other applicable fees if incurred.

Many municipalities will not allow ADT to begin monitoring your home without a permit. In the event of a false alarm, municipalities can charge fines to consumers who do not obtain the required permits/registration. Also, some police agencies will not dispatch to a home that is not registered/permitted.
Note: You may still be required to pay your municipality's false alarm fees.

Battery
The Blue Smart Home Hub includes an integrated 2400 mAH LiIon battery designed to operate the device for 24 hours upon loss of AC power. The battery pack model number is S40LRBR0-01. Please note that the smart home hub is shipped in a deep sleep mode (like a smart phone or tablet), with very little power draw and a partial charge on the battery. When the smart home hub is first plugged into AC power, the device will automatically begin normal operations. It may take 24 to 48 hours for the battery to reach full charge. If the battery ever becomes fully discharged, the battery will again require 24-48 hours to reach full charge. During normal operation, the smart home hub automatically maintains the charging of the battery and there is no action required on your part.

The S40LRBR0-01 battery typically has a chemical life of at least 5 years. If this battery requires replacement, use only Blue by ADT Rechargeable Battery supplied with your Blue Smart Home Hub. Replacement batteries are also available through Blue by ADT Customer Support at **877-464-7437** or online at **www.BluebyADT.com/support**.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. The Blue Smart Home Hub should not be placed in any location subject to temperatures over 120°F (49°C) or below 32°F (0C) for any extended period of time. This will degrade the battery life. Rechargeable Lithium Ion Batteries Must Be Recycled or Disposed of Properly. Do not mutilate the battery pack. Do not dispose of the battery pack in a fire due to risk of explosion.

To replace the battery, disconnect the power cord from the smart home hub. Turn the device over so that the bottom is facing up. Carefully remove the single screw holding the battery door closed. Once screw is removed, gently lift outside edge of battery door until the battery compartment is exposed. Lift the battery out of the compartment and disconnect the battery plug from the connector. Reverse the operation to replace the battery. Please note that that the battery plug is polarized and can only be inserted one way into the connector. Do not force the battery plug into the connector incorrectly. Gently place the battery door into position, first making sure that that tabs correctly insert into one edge and then aligning the screw hole on the other edge. Carefully replace the screw, but do not overtighten (which may damage the plastic).

4.2. Wireless Blue by ADT Keypads SKP3R0 and SKP3R1

The SKP3R0/SKP3R1 is a wireless Blue Keypad with Stay, Away, and Night arming modes as well as Panic emergency mode. The keypad includes a display and status LEDs to indicate the current status of the system. The keypad is powered by both batteries and an AC power adaptor. It is recommended to only use the power supply that was supplied with the keypad. Replacement power supply model F12L20 from Chenzhou Frecom Electronics is available from the www.BluebyADT.com website or by calling **877-464-7437**. When the keypad is operating from AC power, the display and backlight may operate continuously. When the keypad is operating from only battery power, the display and backlight will only operate while in use (i.e. while pressing keys and for 20 seconds thereafter).

Before you get started you will need:

- Blue by ADT Smart Home Hub
- Blue by ADT app on latest iOS or Android OS
- Phillips screwdriver or a drill with a Phillips driver bit (optional)
- Power drill with drill bits for pilot holes (optional)

Pairing

To pair your Blue by ADT Keypad with the smart home hub, launch your Blue by ADT app. Once logged in, select **Menu > Devices > (+) Add Security Device > Blue Keypad**, and follow the in-app setup help to pair to your system.

Note: *The keypad and devices in a Blue by ADT system may be preconfigured. If so, they will be pre-paired to your system and can be added by simply powering the devices on.*

Setup:

Getting started is simple. Just follow these steps:

1. Remove the keypad and power supply from the box.
2. Remove the back cover of the keypad to access the battery slots and mounting holes.
3. Plug the power cord into the back of the keypad. Then, plug the device into an outlet for the best experience. **Do not connect to a receptacle controlled by a switch.** Alternatively, use the device with batteries if you don't have access to a power outlet nearby.
    a. Insert the batteries.
    Note: *The keypad can run on AC power or batteries. If you are using AC power with inserted batteries, the batteries will act as a back-up power source.*
4. Download the iOS or Android app by visiting **www.BluebyADT.com/apps**
5. Open the app to create an account or log in to your existing account.
6. Select **Menu > Devices > (+) Add Security Device** and select **Blue Keypad**.
7. Follow the in-app screens to pair your device to the Blue Smart Home Hub.
8. Set up the device in your desired location.
9. Upon completion of installation, verify that the keypad is working properly.

Mounting:

Note: The Blue by ADT Keypad should be located by an entrance in your home, like your front door or garage door. The keypad can either be mounted onto the wall or placed on a tabletop. The keypad should be within earshot of the smart home hub.

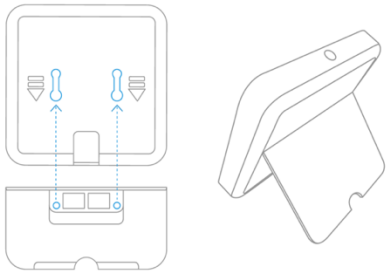
1. **To mount the keypad on a wall:** Secure the keypad to the wall by removing the back panel of the device and screwing the back panel into the wall using the included hardware. Once the back panel is mounted to the wall, press the keypad into place.

Note*: If you're using a power cord, make sure the keypad is plugged in before connecting the device onto the back panel.*

2. **To set up the keypad on a table:**
    a. Secure the table stand to the keypad by inserting the stand posts into the screw holes on the back panel of the keypad. Push the stand upward to lock it into place.

    Note*: Make sure the stand is oriented as shown to ensure it is propped up correctly.*

    b. After attaching the table stand, plug the power cord into the back of your keypad and then into an outlet.



User Codes:

Blue by ADT allows for multiple User Codes, which will enable you to keep track of who arms and disarms your system. You can manage users and User Codes in the Blue by ADT app or web portal, not on the keypad. Log in, go to **Menu > Users**, and select **User Name** to view code details.

- **Master User code:** You will only have one 4-digit Master User code, which gives you complete access to your entire system. Protect this code, and do not share it with others.
- **Users**: Invite your trusted friends and family and keep track of who arms and disarms your system. Users will be invited via email, and they can set their login password, security question, and manage their notifications under **My profile**. As the Master User, you may invite any of the following user types to your system:
    1. **Admin Users** get full access to all platforms and functionalities.
    2. **Standard Users** have access to monitoring, controlling, and limited settings management.
    3. **Basic Users** can only arm/disarm.
    4. **Duress User** is a code to disarm the system and notify the monitoring center. You may only have one duress code, which is shared by all, to trigger a duress alert to the monitoring center.

Arming your system:

You have a variety of options for arming and disarming your system with Blue by ADT. Depending on your needs, you may choose one of three different arming modes on the keypad:

- **STAY:** Press the stay button and then enter your User Code to arm in stay mode.
    - Use this mode when you're at home, entry and exit delays are on, and motion sensors are off.
- **AWAY:** Press the away button and then enter your User Code to arm in away mode.
    - Use this mode when no one's home, entry and exit delays are on, and motion sensors are on.
- **NIGHT:** Press the night button and then enter your User Code to arm in night mode.
    - Use this mode when you're in for the night, entry and exit delays are off, and motion sensors are off.
- **OFF:** Press OFF and then enter your User Code to disarm your security system.

Note: *By design, the exit and entry delays give you enough time to leave or enter your home without setting off a false alarm.*

Your keypad includes a panic button to be used in case of an emergency inside your home. This panic button will immediately notify the monitoring center to dispatch emergency services to help you automatically. The panic button can only be selected when you are at home.

To trigger the panic button:

• **Keypad**: Press and hold the star (*) and pound (#) buttons on the keypad at the same time for two (2) seconds, triggering a panic alarm.

Press **OFF** to cancel a panic alarm siren locally on your keypad and smart home hub. Note: If you are monitored, once a panic alarm is triggered, you cannot cancel emergency services from being dispatched.

• **Duress code:** You can set up a unique code (different from your User Codes), which you can use when you feel threatened by someone forcing you to disarm from inside your home. When you enter this code, the alarm will not sound — but a special duress message is sent to the monitoring center, and emergency services will respond appropriately.

- To create a duress code, select **Menu > Users** > + to add, and select **Duress User**.
- •. Create a Duress User with a unique 4-digit duress code and then press **Add User**.

***Note**: The panic button and duress codes should only be used in an emergency. There is no option to cancel dispatch if you are not in an emergency. Your local municipality and police department will treat this event as a false alarm.*

Keypad settings

- To manage settings of your keypad at any time, launch your Blue by ADT app or log in to the web portal. From the app/web portal, you can control audio settings for turning on or off various chimes and tones. You can also adjust light settings for the screen and LED brightness. You can disable the panic button feature if desired. The panic button is enabled by default.

LED light patterns:

- Solid green — Disarmed (ready to arm)
- Solid blue — Armed (any mode)
- Flashing blue — Entry delay, exit delay
- Flashing red — Alarm, panic
- Flashing green — Disarmed (not ready to arm)
- Flashing yellow — A device is faulted, lost, or has a low battery
- Flashing blue — Boot mode (device is restarting)
- White/blue alternating — Downloading firmware

** The LED light behavior may vary based on power and user settings managed from the Blue by ADT app or web portal.*

Factory resetting your Blue Keypad:

- To remove a keypad from your Blue by ADT account, open the Blue by ADT app or web portal, select **Menu > Devices,** and then find the name of your keypad. Choose **Remove Device**.
- To factory reset the keypad:
  - Hold * and 3 together on the keypad for five seconds until the **UTILITIES** menu appears.
  - Press 5 for **DEREGISTER KEYPAD** option.
  - Press # to confirm.
  - Press * to continue.

Batteries

Replace only with alkaline AAA batteries. Replace all 4 batteries at the same time. The keypad will detect a low battery condition and report this via the display and via messaging to the Blue Smart Home Hub (and then to your phone if your account has trouble messages enabled). Low battery voltage reporting threshold is 2. 2V.

Warning: the polarity of each battery must be observed. Improper handling of batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with correct batteries. Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, immediately see a doctor.

External power supply rating
AC power input: 100-240V ~60Hz
DC power output: 5V ~2A

4.3. Blue by ADT Door & Window Sensor

Before you get started you will need:

- Blue by ADT Smart Home Hub
- Blue by ADT app on the latest iOS or Android OS
- Phillips screwdriver or a drill with a Phillips driver bit (optional)
- Power drill with drill bits for pilot holes (optional)

Pairing

The Blue by ADT Smart Home Hub is the controlling hub that your sensors communicate with. To pair your sensors with the Blue Smart Home Hub, just launch your Blue by ADT app. Once logged in, select Menu > Devices > (+) Add Device >Sensors > Door & Window Sensor, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in a Blue by ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

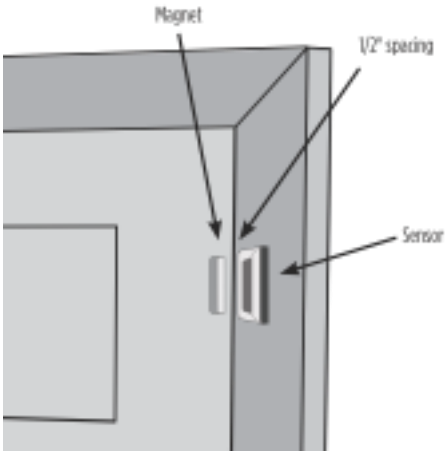
To enable a new sensor:

1. Pull the exposed plastic battery tab from the back of the Blue by ADT Door & Window Sensor.
2. The LED indicator will begin to flash to indicate that the sensor is booting.
3. The LED will continue to blink once per second while attempting to pair with the Blue by ADT Smart Home Hub.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, you need to use the magnet or press the pairing switch to repeat the pairing process.

Mounting your Blue by ADT Door & Window Sensor

This sensor is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.

The Blue by ADT Smart Home Hub and sensors are preconfigured to work together when setting up any sensors included with a system order. If you are setting up a sensor from an accessory order which doesn't contain a Blue Smart Home Hub, see the pairing section for information about adding your sensor to the smart home hub using your Blue by ADT app.



To continue with setting up a preconfigured sensor, launch your Blue by ADT app and follow the in-app setup help. Just follow these steps:

1. Make sure that the sensor and magnet are located less than ½ in.(15mm) from each other. For optimal performance, set up the door & window sensor on the fixed door jamb/frame and the magnet on the moving part of the door or window. Place the sensor near the top of the door or window and close to the opening.

Note: First, clean the door/window and frame area and let it all fully dry before mounting your sensor and magnet with double-sided tape.

2. Use the provided double-sided tape to mount the sensor. Remove the tape liner and press firmly in place for 30 seconds.

3. Use the provided double-sided tape to mount the magnet. Make sure the alignment marks (circles) of both the sensor and magnet are facing each other. Remove the tape liner and press firmly in place for 30 seconds.

Note: The blue pairing LED will stay off during the normal operation. The sensor is equipped with a tamper switch. If the back cover of the sensor is removed, the sensor will send a signal to the Blue by ADT Smart Home Hub.

<u>Factory resetting your Blue Door & Window Sensor</u>

To factory reset your device:

1. Remove the sensor's cover.

2. Remove the CR2 battery from the sensor.

3. Depress the tamper switch before inserting the battery.

4. Insert the battery. The sensor should illuminate the LED once when the boot-up/initialization tasks are complete.

5. Release the tamper switch while the LED is illuminated (it will be lit for 4 seconds). The sensor should then reset to factory default settings and begin searching for the Blue by ADT Smart Home Hub. If you need to reboot the device, remove the battery, depress and release the tamper switch one time, and then reinsert the battery.

Note: *If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.*

6. Place the cover back on the sensor.

Note: *Replace the battery with a CR2 battery only.*

Test sensors

Test sensors periodically to verify operation. With the system disarmed, open the door or window. This separates the sensor and magnet and notifies the system. You will hear a chime each time you open and close the door or window.

Battery installation and replacement

Replace low batteries with a model CR2 battery, available from www.BluebyADT.com or other retailers. To install or replace the batteries:

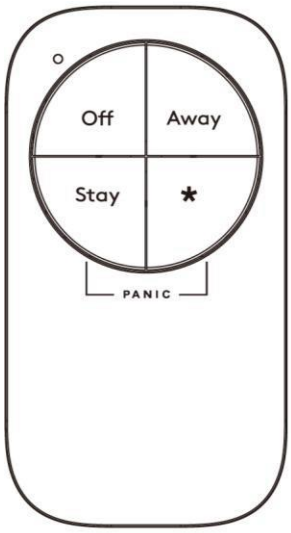
1. To remove the sensor's rear cover using your finger to pull it from the housing.
2. Remove the existing battery and dispose of it properly.
3. Replace with a new CR2 battery, noting the correct polarity as indicated on the battery and housing.
4. Verify operation after replacing the cover.

Warning: the polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with CR2 batteries (brands include: Maxell, Panasonic, Duracell, Renata, Energizer). Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

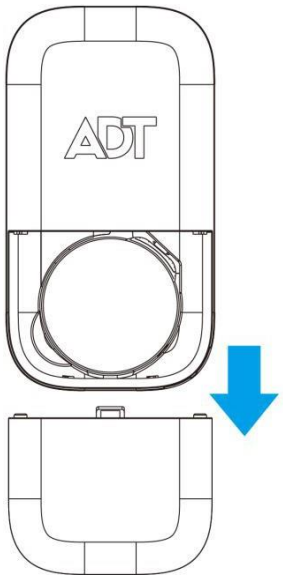
4.4. Wireless Blue by ADT Keychain Remote SKF3R0-29



The Blue by ADT Keychain Remote is a wireless smart home keychain that allows you to arm/disarm your system in Away, Stay, and Off modes. When triggered within range, the remote's panic button sets off a panic alarm on your security system. If your security system is monitored, the panic alarm triggers the monitoring center to request police dispatch automatically to the monitoring location of your system.

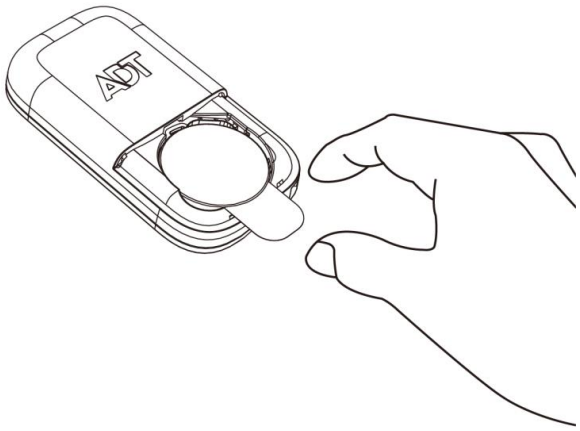
Installation

1. Slide the back cover off to reveal the battery with its activation tab.



2. Pull out the activation tab to engage the battery and activate the keychain remote. Replace the battery cover.

NOTE: As a child safety precaution, always keep the keychain remote out of reach of children



3. The LED indicator blinks for 90 seconds while attempting to pair with the Blue by ADT Smart Home Hub.
4. Upon completion of installation, verify that the keypad is working properly.

Programming

Your Blue by ADT system can support one Blue Keychain Remote per unique user in a single system. Each keychain remote must be registered into the system for a specific user before use. The keychain remote shipped with your Blue Smart Home Hub was pre-registered before shipment. Additional keychain remotes may be registered by using the Blue by ADT app. To register a keychain remote, select **Menu > Devices > (+) Add Device > Security > Keychain Remote**. Enter the Settings tab of the app and follow the on-screen prompts. When prompted, press the AWAY and OFF keys simultaneously on the keychain remote for 3 seconds. The smart home hub will respond with audio confirmation and the apps will show a success message. If the Blue Keychain Remote fails to register with the Blue Smart Home Hub, the apps will show a failure message. Possible causes of registration failure include: keychain remote not powered via battery, wrong keys pressed, keychain remote out of range with the Blue Smart Home Hub, or keychain remote already registered to a different user.

Using the Blue Keychain Remote

The Blue Keychain Remote must be used within good communications range of the Blue Smart Home Hub. While range varies with house construction, it is generally sufficient if the keychain remote is used within 30 to 50 yards of the smart home hub.

To prevent accidental transmissions (such as while in a pocket or purse), the keychain remote will ignore all key presses shorter than ½ of a second or longer than 5 seconds.

The keychain remote will sleep within 5 seconds after the last key has been pressed. The next time you press a key, the keychain remote must obtain system status from the Blue Smart Home Hub. This status update may take 2 to 5 seconds to receive, and then the LED will show current Blue by ADT system status.

After you send a command to the Blue Smart Home Hub, the keychain remote must obtain new system status. This will again take 2 to 5 seconds, and then the LED will update to the new status.

To arm your Blue by ADT system using the keychain remote, press and hold one of Away or Stay for 2 seconds. Note that you may only arm your system if current status is Ready to Arm. If the system is in Not Ready to Arm, and you press either Away or Stay on the keychain remote, it will bypass any open sensor(s) (not arm the system) for 30 seconds. The next press of a button will arm the system in either Stay or Away. Note that after 30 seconds of bypassing any open sensor(s), if the system is not armed, the smart home hub will transition back to Not Ready to Arm.

To disarm your Blue by ADT system, press and hold the OFF key for 2 seconds.

To use the panic mode, simultaneously press and hold the STAY and * buttons.

The * button is for future features and has no present function when pressed alone.

Verify the keychain remote is working properly after initial setup.

LED status

The status LED will only operate while in use (i.e. while pressing keys and for 5 seconds thereafter).

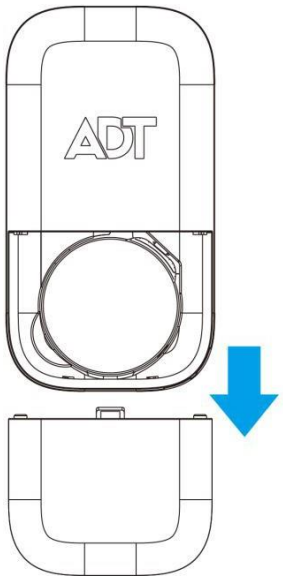
LED color	ENGLISH
Solid green	READY TO ARM
Flashing green	NOT READY TO ARM
Blue	ARMED (any type)
Flashing blue	ENTRY or EXIT DELAY
Flashing red	ALARMED, EXIT ALARM, or PANIC

Batteries

Replace only with a CR2450 battery, 3.0 V, 620 mAh. The recommended brand is Murata. The Blue Keychain Remote will detect a low battery condition and report this via messaging to the Blue Smart Home Hub (and then to your phone/email if your account has trouble messages enabled).

Battery replacement

- Flip unit over and slide the battery cover off as shown in Figure X.
- Pop or gently pry the battery out.
- Replace the battery from the recommended list with its positive side up and replace the cover.



Warning: the battery polarity must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with correct batteries. Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, immediately see a doctor. California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

4.5. Blue by ADT Motion Sensor SSM1R0-29

Before you get started

You will need:

• Blue by ADT Smart Home Hub

• Blue by ADT app on the latest iOS or Android OS

• Phillips screwdriver or a drill with a Phillips driver bit (optional)

• Power drill with drill bits for pilot holes (optional)

Pairing

The Blue by ADT Smart Home Hub is the controlling hub that your sensors communicate with. To pair your sensors with the Blue Smart Home Hub, just launch your Blue by ADT app. Once logged in, select **Menu > Devices > (+) Add Device > Sensors > Motion Sensor**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in a Blue by ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

To enable a new sensor:

1. When the battery is inserted into the Blue by ADT Motion Sensor, the blue LED will blink for 90 seconds, which indicates the pairing process is occurring.
2. If pairing is successful, the blue LED will be solid on for 3 seconds. If pairing fails, the red LED will be solid on for 3 seconds.
3. If pairing fails, press and hold the pairing button for 5 seconds to restart the pairing process.
4. To make sure the detection function is working properly, a walk test should be performed annually.

Mapping location

This sensor is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.

Before selecting a position for the sensor, the following should be noted:

1. Do not position the motion sensor facing a window or direct sunlight.
2. The device is not suitable for use in drafty areas, such as where an air conditioner or fan is installed. Excessive air movement may cause a false alarm.
3. Avoid aiming the sensor directly at heat sources like fireplaces, radiators, etc.

4. Mount the sensor in a location where the logical path of an intruder would cut across the viewpoint of the sensor rather than directly toward the device.
5. Before permanently mounting the motion sensor, perform a walk test to ensure the detection coverage is valid.

Note: A recommended mounted position for a motion sensor should be 6 ft from the floor in the corner of a room (a corner mount is needed). At this height, the device can detect any movement up to 32 ft (±3 ft). Also, a corner-mounted motion sensor can normally offer a greater range of protection than a motion sensor that is mounted flat to the wall.

Mounting your Blue by ADT Motion Sensor

Corner mounting

1. Remove the mounting bracket from the box.
2. Mount the bracket with the supplied screws and anchors into the wall's corner at your desired detection range height.

Note: Make sure the mounting bracket is set up in the correct direction (upward arrow).

3. Attach the device to the mounting bracket by lining up the 4 pegs from the bracket to the 4 holes in the back of the motion sensor and pulling the sensor down to lock it into place.

Wall mounting

1. Use the provided double-sided tape adhered to the backside of the motion sensor or use the provided screws/anchors to mount it onto the wall.

Note: First, clean the wall area and allow it to fully dry before mounting your sensor with double-sided tape.

2. Remove the backing and press and hold the device to the wall for 30 seconds. To mount the sensor using screws, remove the rear cover and use the supplied screws and anchors to mount the rear cover to the wall (note the arrow pointing to "TOP"). Once the rear cover is secured, attach the motion sensor by hooking the top of the sensor on the rear cover and pressing the sensor down to engage the bottom latch.

Factory resetting your Blue Motion Sensor

To factory reset your device:

1. Press and hold the paring button for 10 seconds and then release it.
2. The blue LED will blink for 3 seconds when the device resets successfully.
3. The device will start autopairing after reset to factory default.

Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.

Test the Blue Motion Sensor

Move away from the area that is in direct line of sight of the motion sensor (move to an adjacent room). Wait 3 minutes. Using the Blue by ADT mobile app go to Settings > System Tests > System Tests and enable sensor tests.
Move back into the line of sight of the motion sensor (this will trigger the device). If the motion sensor test is successful, the screen will display "PASS Sensor xxx." If these words do not appear, either a) the 3-minute wait period since the last trigger has not expired, or b) the motion sensor is not in communication with the Blue by ADT system. If you want to restart the walk test period again, remove the battery, wait 30 seconds, and then reinsert the battery. The Blue by ADT system will not lose the programming.

Battery installation and replacement

Replace low batteries with a model CR123 battery, available from www.BluebyADT.com or other retailers. To install or replace the batteries:

1. To remove the sensor rear cover by pressing on the bottom latch, and use your fingers to pull it from the housing.
2. Remove the existing battery and dispose of it properly.
3. Replace with a new CR123 battery, noting the correct polarity as indicated on the battery and housing.
4. Verify operation after replacing the cover.

Warning: the polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with CR2 batteries (brands include: Maxell, Panasonic, Duracell, Renata, and Energizer). Batteries must not be recharged, disassembled, or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

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4.6. Adding the SSS1R0-29 Blue by ADT Smoke Detector

Before you get started

You will need:

1. Blue by ADT Smart Home Hub
2. Blue by ADT app on the latest iOS or Android OS
3. Phillips screwdriver or a drill with a Phillips driver bit (optional)
4. Power drill with drill bits for pilot holes (optional)

Pairing

The Blue by ADT Smart Home Hub is the controlling hub that your sensors and smoke detector communicate with. To pair your smoke detector with the Blue Smart Home Hub, just launch your Blue by ADT app. Once logged in, select **Menu** > **Devices** > **(+) Add Device** > **Sensors** > **Smoke Detector**, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in a Blue by ADT system are preconfigured so they will be pre-paired to your system and can be added by simply inserting the battery, as shown in the following steps.

To enable a new sensor:

1. Insert the CR123A battery. Once inserted, the Join/Leave green LED will start blinking once per second for 90 seconds, which indicates the sensor is ready to join the network.

2. The device will attempt to join a network for 90 seconds. If all attempts fail, it will stop the pairing process. To start the pairing process again, press and hold the tamper button for 5 seconds, and then release it.

Mapping location

Smoke detectors should be installed in accordance with the NFPA Standard 72 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169). For complete coverage, smoke detectors should be installed in all rooms, halls, storage areas, basements, and attics for each family. **For your information, the National Fire Alarm Code, NFPA 72, reads as follows:**

- Install in all guest rooms.
- Install outside of each separate dwelling unit's sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, the distance measured along a path of travel.
- Install on every level of a dwelling unit, including basements.
- Install on every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.
- Install in the living area of a guest suite.
- Install in the living area of residential board and care occupancy.
- Install in an ambient temperature between 40° to 100°F (4.4° to 37.8°C).

Do not place the device in the following areas:

- Combustion particles are the byproducts of something that is burning. Do not install the smoke detectors to avoid nuisance alarms in or near areas where combustion particles are present, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.
- Do not install smoke detectors less than 20 ft (6 m) away from places where combustion particles are normally present, like kitchens. If a 20-foot distance is not possible in your home, try to install the device as far away from the combustion particles as possible, preferably on the ceiling. To prevent nuisance alarms, provide good ventilation in places within 5 ft (1.5 m) of open flame appliances such as furnaces, stoves, and fireplaces

Mounting your Blue by ADT Smoke Detector

Getting started is simple. The Blue by ADT Smart Home Hub and Smoke Detector are preconfigured to work together when setting up any smoke detector included with a system order. If you are setting up a smoke detector from an accessory order which doesn't contain a Blue Smart Home Hub, see the pairing section for information about adding your smoke detectors to the smart home hub using your Blue by ADT app.

To continue with setting up a preconfigured smoke detector, launch your Blue by ADT app and follow the in-app setup help. Just follow these steps:

- Choose a flat and solid ceiling to set up the smoke detector.
- Draw a 2 in. (5 mm) horizontal line at the place where you are going to set up the device. Draw one mark at each end of the line to locate the screw placement. **Alternative option:** Hold the bracket up to the ceiling and mark inside each of the two oval cutouts to locate the screw placement.
- Drill two holes at the marks and insert wall plugs if needed.
- Attach the bracket to the ceiling using the two supplied screws.
- Attach the device onto the mounting bracket and turn it clockwise to fix it into place. Make sure it is securely attached to the mounting bracket.

Key information

If the smoke detector sounds:

- Do not panic. Stay calm. Follow your family's escape plan.
- Get out of the house as quickly as possible. Do not stop to get dressed or collect anything.
- Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Do not open a hot door. Keep doors and windows closed unless you must escape through them.
- Cover your mouth and nose with a cloth (preferably damp). Take short, shallow breaths.
- Meet at your planned meeting place after leaving the house.
- Call the fire department as soon as possible from outside your house. Give the address and your name.
- Never go back inside a burning building. Contact your local fire department. They will give you more ideas about how to make your home safer from fires and how to plan your family's escape.

Required weekly testing:

- Never use an open flame of any kind to test this smoke detector. You might accidentally damage or set fire to the device or your home.
- If the smoke detector ever fails to test properly, replace it immediately. Products under warranty can be returned to the manufacturer for replacement.
- It is important to test this unit every week to make sure it is working properly. Using the Test/Silence button is the recommended way to test this smoke detector. Press and hold the Test/Silence button until the alarm sounds (the unit may continue to make an alarm sound for a few seconds after you release the button). If it does not alarm, make sure the smoke detector's battery is installed and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud and repeating horn pattern: 3 beeps, pause, 3 beeps, and a pause. Also, you will see the red LED flashing rapidly.

LED lights/sound key:

- Standby: The Blue by ADT Smoke Detector is under normal operation if the red LED flashes once every 344 seconds (5.7 minutes).
- Low battery: The buzzer beeps every 43 seconds.
- EOL of IR LED: (End of life of the infrared LED) The buzzer beeps 3 times every 43 seconds. If this signal occurs, the device will no longer work to sense smoke and must be replaced.
- Alarm: The red LED flashes continuously, and the buzzer sounds repetitively with 3 beeps, a pause, and 3 beeps.
- Pairing: When the device is joining the Blue by ADT system, it flashes once per second for 90 seconds.
- To silence: If the device is alarming, pressing the Test/Silence button will silence it. If the smoke still remains after 10 minutes, the device will alarm again.

Battery replacement:

- Open the battery cover of the device.
- Insert the supplied battery correctly.
- Close the battery cover.
- The green LED starts blinking when it is ready to join the Blue by ADT system.
- Please only use a CR123A 3V battery.

Regular maintenance:

- Clean the smoke detector at least once a month. Gently vacuum the outside of the smoke sensing chamber using a household vacuum's soft brush attachment. A can of compressed air may also be used to blow out any potential dirt that may be located inside the sensing chamber.

- Test the smoke detector after cleaning it.
- Never use water, cleaners, or solvents since they may damage the unit.

Warnings

- The smoke detector is used as a single station alarm.
- The device's primary feature is its alarm sound, and its secondary feature is to send events messages to the cloud service via a smart home device. If the network is down or signal is interrupted, Smoke Alarm, Test Mode, and Low Battery functions will still operate locally via an audible alert.
- Hearing-impaired residents may not hear the smoke detector's alarm. Specially designed units such as those with visual and audible alarms should be installed for hearing-impaired residents.
- The smoke detector's alarm may not awaken all individuals if they are sound sleepers. If children or other family members do not awaken readily to the sound of the smoke detector's alarm, or if there are infants or members with mobility limitations, make sure someone is assigned to assist them in the fire drill and in the event of an emergency. It is the responsibility of individuals in the household who are capable of assisting others to help those who may not be awakened by the smoke detector's alarm sound, or to help those who may be incapable of safely evacuating the area unassisted.
- The smoke detector's alarm has a limited lifespan. Although this smoke detector has passed many tests and is designed to be as reliable as possible, any of the parts could fail at any time. Therefore, you must test this device weekly. Replace the device immediately if it is not operating properly.
- **THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTOR SHALL BE CONNECTED TO THESE CIRCUITS.**

Circuit (Zone)	Control Unit Delay Seconds	Smoke Detector	
		Model	Delay - Seconds
Security Devices	60	SSS1R0-29	0

Factory resetting your Blue by ADT Smoke Detector

To factory reset your device:

1. Remove the battery from the smoke detector.
2. Press and hold the tamper button while inserting the battery.
3. Release the tamper button within 4 seconds of inserting the battery back into the smoke detector.

Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.

4.7. Adding the SSW1R0-29 Blue by ADT Flood & Temperature Sensor

Before you get started
You will need:

- Blue by ADT Smart Home Hub
- Blue by ADT app on the latest iOS or Android OS

Pairing

The Blue by ADT Smart Home Hub is the controlling hub that your sensors communicate with. To pair your sensors with the Blue Smart Home Hub, just launch your Blue by ADT app. Once logged in, select Menu > Devices > (+) Add Device > Sensors > Flood & Temperature Sensor, and follow the in-app setup help to pair your sensor.

Note: Sensors and devices in a Blue by ADT system are preconfigured so they will be pre-paired to your system and can be added by simply removing the battery tab, as shown in the following steps.

To enable a new sensor:

1. Remove the top cover of the sensor by gently prying it off.
2. Remove the battery isolation tab.
3. The sensor's blue LED indicator will blink while it attempts to pair with the smart home hub.
4. If a network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, press and hold the pairing button for 5 seconds and then release the button to restart the pairing cycle.
5. Replace the top cover of the device.

Mounting your Blue by ADT Flood & Temperature Sensor

The flood & temperature sensor can be placed on the ground or mounted onto a wall.

Ground

The sensor detects water through the 2 gold probes protruding through the bottom of the unit. Place the sensor on the ground in the area to be monitored with the probes facing downward.

Wall mounting

For wall mounting, the sensor must use the external extension probe.

1. Remove the waterproof plug that covers the micro USB connector and insert the sensor probe.
2. Place the contacts at the end of the extension probe on the surface to be monitored. Both contacts on the sensor probe will need to be in contact with water for the flood & temperature sensor's alarm to sound, so mount it as level as possible.

Note: First, clean the wall area and allow it to dry thoroughly before mounting your sensor with double-sided tape in the next step.

3. Double-sided tape is provided to mount the water sensor and extension probe. Press and hold it for 30 seconds to adhere.

Operation

1. The sensor's blue LED is off during normal operation.
2. When the probes come into contact with water, the sensor will transmit an alarm signal to the Blue by ADT Smart Home Hub, and signal an alarm with its built-in buzzer. The sensor's blue LED will continue to flash until the device is removed from the water.
3. Whenever the water level subsides, the water sensor's fault will clear, and the device will return to its normal operation mode.

Factory resetting your Blue Flood & Temperature Sensor

To factory reset your device:

1. Open the sensor's top cover. 2
2. Press the pairing button for 10 seconds and then release it.

3. The blue LED will blink for 3 seconds when the device is successfully reset.
4. The sensor is now reset to factory default and will initiate pairing mode.
   Note: If the sensor is reset while already paired to your account, it will be removed and will need to be set up as a new device.

To reboot your device:

1. Open the sensor's top cover.
2. Remove the CR123A battery.
3. Wait 10 seconds, and then reinsert the battery.
4. The sensor should illuminate the blue LED once when boot-up/initialization tasks are complete.
5. Place the cover back on the sensor.

Battery replacement:

- Open the sensor's top cover.
- Insert the replacement battery correctly.
- Blue LED starts blinking when it is ready to join the Blue by ADT system.
- Close the sensor's top cover.
  Note: Replace the battery with a CR123A battery only.

5.0 Settings

The Blue by ADT application presents a menu for accessing the Settings of the system. Swipe to reach Settings icon, enter the Master Code, and select the device you wish to edit. The available settings are presented below for each type of device. Each setting is found on the appropriate menu.

Blue Smart Home Hub

Name (16-character limit)	Alphanumeric
Device Type	Smart home hub (display only)
Chime Enabled	Yes | No
Entry Tone Enabled	Yes | No
Away Exit Tone Enabled	Yes | No
Stay Exit Tone Enabled	Yes | No
Alarm Siren	Yes | No

Blue Keypad

Name (16-character limit)	Alphanumeric
Device Type	Keypad (display only)
Chime Enabled	Yes | No
Panic Enabled	Yes | No
Entry Tone Enabled	Yes | No
Entry Away Tone Enabled	Yes | No
Entry Stay Tone Enabled	Yes | No
Alarm Siren	Yes | No

Blue Door & Window Sensor

Name (16-character limit)	Alphanumeric
Device Type	Door & window sensor (display only)
Placement	Door | Window | Other
Alarm Type	Stay and Away | Away Only | Convenience

Entry Delay	0 | 30 sec | 45 sec | 60 sec | 90 sec | 2 min | 4 min
Chime Enabled	Yes | No

Blue Flood & Temperature Sensor

Name (16-character limit)	Alphanumeric
Device Type	Flood & temperature sensor (display only)
Trigger	Water & temperature limits (display only)
Courtesy Call	Yes | No
Sound Type	Chime | Local Alarm | None

Blue Motion Sensor

Name (16-character limit)	Alphanumeric
Device Type	Motion sensor (display only)
Alarm Type	Stay and Away | Away Only | Convenience
Entry Delay	30 sec | 45 sec | 60 sec | 90 sec | 2 min | 4 min
Chime Enabled	Yes | No
Cross Zoning	Yes | No
Swinger Shutdown	Yes | No
Abort Window Time	Yes | No

Blue Smoke Detector

Name (16-character limit)	Alphanumeric
Device Type	Smoke detector (display only)
Alarm Verification	Yes | No
Swinger Shutdown	Yes | No

Blue Keychain Remote

User	Assigned to a user
Access to Panic Mode	Yes | No

Users

Admin User

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Standard Users

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Basic Users

Name (32-character limit)	Alphanumeric
Code	4 digit numeric

Duress User

Code (not active if no code)	4 digit numeric

System trouble sounds

Allow sounds after	Hour time picker
Don't allow sounds after	Hour time picker

Note: It is recommended to limit silencing of trouble sounds to a maximum of 8-12 hours.

5.1. False alarm prevention and SIA CP-01 settings

Your Blue by ADT Smart Home Hub includes features intended to help you reduce false alarms. Studies by security industry organizations and law enforcement have determined that many false alarms can be avoided through better understanding of security systems and by setting certain parameters to more user-friendly levels. The industry has adopted a standard known as ANSI/SIA CP-01 which is now required in many municipalities, and is implemented in your Blue by ADT security system. The following table summarizes many of the key features.

Exiting Your Home

Exit Time – This is a period of time after you Arm the system during which you may exit your premises without tripping an Alarm. Your system provides a range of times from 45 seconds to 4 minutes. The default (and recommended) setting is 60 seconds. This may be changed in Blue by ADT app | Settings | Security System | Settings. However, there is exception to this setting during Remote Arming. (See below.)

Progress Annunciation – During the Exit Time, your system will beep to let you know that Arming is in progress. During the last 10 seconds, the beeping will speed up to warn you that the Exit Time is about to expire. When the beeping stops, the system is Armed. During Entry Delay, your system will beep to let you know that the system will Alarm if it is not Disarmed prior to expiration of Entry Delay. When the beeping stops, the system will Alarm if you have not Disarmed.

Exit Time Restart – The system includes an option whereby during Exit Time, if a sensor trips, restores, and then trips again prior to the end of Exit Time, the Exit Time will restart. This might occur, for example, if you exit the premises and then immediately return during the Exit Time to retrieve something. The default setting of this option is ON.

Exit Error – Exit Error occurs if a sensor is tripped when Exit Time expires. This might occur if a door was not fully closed after leaving the premises. Depending on the Arm mode, Entry Delay will begin immediately. If the system is not Disarmed before Entry Delay expires, an Alarm will be sent to the monitoring center with an Exit Error message included.

Unvacated Premises/Auto Stay –The system includes an option whereby if you Arm Away from within your premises, but do not exit the premises (i.e. a door does not open), the system will Arm Stay instead. If you have motion sensors, for example, set to Away but not to Stay, the motions sensors will therefore not be monitored. The default setting of this option is ON, but may be changed in Blue by ADT app | Settings | Security System | Settings.

Entering your home

Entry Delay – This is a period of time after entry to the premises to Disarm the system before the system Alarms. Entry Delay is selected by sensor. Your system provides a range of times from 30 seconds to 4 minutes. The default (and recommended) setting is 30 seconds. This may be changed in Blue by ADT app | Settings | Sensors. However, there is exception to this setting – Arm Night Stay overrides Entry Delay. Window sensors are no longer offered an Entry Delay option, and all newly set up window sensors have no (zero) Entry Delay.

Disarm – When the system is in Entry Delay, you must Disarm to prevent an Alarm. On the keypad you may just enter your 4-digit User Code. The beeping during Entry Delay will stop when you press the first

digit. However, if your code is incorrect or times out, the beeping will resume. Other methods also exist to Disarm, such as the Blue by ADT Keychain Remote or Blue by ADT mobile app.

Remote arming using the Blue Keychain Remote
Your Blue Keychain Remote is a remote-control device. The buttons are mechanically designed to minimize inadvertent activation of the Arm and Cancel buttons. However, if car keys or other objects press against these buttons while in your pocket or purse, the system may Arm or Disarm without your knowledge. If this occurs, take steps to avoid objects from pressing these buttons in the future.

Remote Arming – The system includes an option whereby no Exit Time is applied when the system is Armed using the keychain remote. The default setting of this option is OFF (i.e. Exit Time is applied when Arming from keychain remote), but may be changed in Blue by ADT app | Settings | Security System | Settings | Remote Arming Exit Delay.

When the system is Disarmed using the keychain remote and no sensor has been tripped, Entry Delay does not apply. This might occur if you Disarm from outside the premises and before you open your door.

The keychain remote will blink red/green to indicate whether a command was successful. The keychain remote will also quietly chirp. If you press Away or Stay, a single green blink means successful Arm while a double red blink means the Arm was not successful (a door or window is open and the system is Not Ready to Arm). If you press Cancel, a double green blink means the Disarm was successful.

In order to activate Panic from your keychain remote, two steps are required. First, you must enable the panic feature via the Blue by ADT app | Settings | Keychain Remote. Second, you must press and hold both the Away and * buttons simultaneously for 2 seconds.

Alarm timing and cancelling alarm
Abort Window – After Entry Delay expires, the local Alarm will sound. However, the system provides an additional delay known as Abort Window before the Alarm is sent to the monitoring center. The default setting for the Abort Window is 30 seconds. If you Disarm during the Abort Window, no Alarm is sent to the monitoring center. The display will indicate that no Alarm was sent. The system includes an option whereby Abort Window may be disabled for particular sensors in Blue by ADT app | Settings | Sensors. This means the Alarm will be sent to the monitoring center immediately after the Entry Delay expires, increasing the risk of a false alarm.

Disarm After Alarm – If an Alarm occurs, and then you Disarm the system, the system will display the sensors that caused the Alarm. This will help you determine the cause of the Alarm. This display will time out after a few seconds. However, you may also check your event log to review the events prior to the Alarm.

Cancel Window – Even after the Alarm has been sent to the monitoring center, you may still Cancel the Alarm by entering your 4-digit User Code or pressing Cancel on your keychain remote. This will send an Alarm Cancel message to the monitoring center, and the monitoring center will not dispatch. You may Cancel the Alarm at any time prior to dispatch using this method. The monitoring center may still call you to confirm status.

Panic and Duress
Duress Code - The system includes an option whereby you may set up a special Duress Code. A Duress Code can be used when you feel threatened due to one or more persons trying to force you to enter the premises and Disarm the system. When you enter the Duress Code, this sends a special Duress message to the monitoring center. The monitoring center may dispatch differently based on this special Duress message. You cannot Cancel a dispatch caused by the Duress Code, therefore it should be used only in cases of actual duress or immediate bodily threat. If you elect to have a Duress Code, you must select a

unique code different from the other User Codes. This is set on Blue by ADT app | Security | Security Circle.

Panic Alarm via Blue Keypad – In order to avoid false alarms, the keypad requires a 2-step process. First, you must enable the panic feature via Blue by ADT app | Settings | Keypad. Second, you must press and hold the "*" and "#" keys for 2 seconds. Panic is set separately for each keypad and the default setting for Panic is OFF.

Panic Alarm via Blue Keychain Remote – In order to avoid false alarms, the keychain remote requires a 2-step process. First, you must enable the panic feature via Blue by ADT app | Settings | Keychain Remote. Second, you must press and hold the Away and * button for 2 seconds. Panic is set separately for each keychain remote and the default setting for Panic is OFF.

Sensor false alarm prevention

Cross Zoning – The system includes an option whereby 2 sensors must trip within 30 seconds before an Alarm is sent to the monitoring center. Cross Zone is selected by sensor in Blue by ADT app | Settings | Sensors. The default setting for Cross Zoning is OFF. Cross Zoning only works if at least 2 sensors have Cross Zoning turned ON. Typically, a door & window sensor and a motion sensor are included in the Cross Zoning list. But you may place any door & window or motion sensor in the Cross Zoning list. Note that if only 1 sensor trips, but not a second sensor, the system does not alarm. If the first sensor does not restore (close), that sensor will be bypassed until the next Disarm. If the first sensor restores, that sensor will continue to participate in the Cross Zone logic.

Swinger shutdown –The system includes an operating mode whereby the system ignores a sensor if that sensor repeatedly trips after a limited number of trips. This might occur if a door or window was not completely shut and is "swinging in the wind". Swinger Trips is selected by sensor in Blue by ADT app | Settings | Sensors. The default setting is 2 and setting range is 1 to 6. For example, if the setting is 2, a sensor will be ignored after a "trip – Alarm – trip – Alarm" sequence. After that, no further trips will cause an Alarm. The Swinger count is only reset after a Disarm.

Fire alarm verification – The system includes an option whereby the system will check twice within 60 seconds to verify that a smoke detector is signaling a fire condition before sending a Fire Alarm to the monitoring center. The alarm will audibly sound at the first triggering of a fire detector, but no transmission to the monitoring center will be made until 60 seconds later if the sensor is still open. This enables a potential false signal to reset at the sensor. Fire Verify is selected by sensor in Blue by ADT app | Settings | Sensors. The default setting is OFF, meaning that the Fire Alarm will be sent to the monitoring center without checking twice that a fire related sensor is tripped.

Other

System Test – The system includes an operating mode whereby the system allows testing of all sensors, the controller, the siren, and communications. This system test is available on the Blue by ADT app | Settings | Test. System Test cannot be accessed if the system is Armed. During System Test mode, no Alarm will be sent to the monitoring center. During the test, the display will indicate the test mode selected. The Blue Smart Home Hub will time out of System Test upon 5 minutes of no activity, and will continually beep to indicate that the System Test has terminated.

6.0 Controlling your system

	STAY ARMING	AWAY ARMING	NIGHT STAY ARMING	DISARMING	PANIC
DEFINITION	Use while you are staying in your home. Your system will provide an Exit Delay and an Entry Delay. This mode will also ignore specific sensors not set for Stay mode (for example motion sensors as typically only used in Away mode). During Exit Delay, the beep will increase during the last 10 seconds of arming.	Use when no one is at home. Your system will provide an Exit Delay and an Entry Delay. During Exit Delay, the beep will increase during the last 10 seconds of arming.	Use when you are in for the night and not expecting anyone to enter or exit the home. Your system will not provide an Exit Delay or Entry Delay. This mode will also ignore specific sensors not set for Stay mode (for example motion sensors as typically only used in Away mode).	Use this whenever you want to cancel any alarm you've caused.	Use this when you want to send a signal to the monitoring center immediately. The PANIC button will send a message to the Alarm Monitoring Center to contact the authorities without making a call to you to verify the alarm. NOTE: Do not test your system with the Panic Button.
KEYPAD	• Press STAY on your Blue Keypad and enter your Code*. • If One Touch Arming is enabled, press and hold STAY on your keypad. • Your system is armed when the Exit Delay has expired.	• Press AWAY on your Keypad and enter your Master Code*. • If One Touch Arming is enabled, press and hold AWAY on your keypad. • Your system is armed when the Exit Delay has expired. NOTE: If a door doesn't open and close during the Exit Delay, the system will automatically switch the arming mode to STAY.	Not available on the keypad	• Enter your Code*	• Press and hold Police or Fire for 2 seconds (if enabled). Enter your code.
KEYCHAIN REMOTE	• Press and hold STAY on the keychain remote for 2 seconds. • The system will respond with a blinking light and a beep letting you know your system is armed.	• Press and hold AWAY on the keychain remote for 2 seconds • The system will respond with a blinking light and a beep letting you know your system is armed.	Not available on the keychain remote.	• Press Disarm (lock icon) to disarm the system before entering.	• Press and hold STAY and * at the same time for 2 seconds (if enabled and you're within range of the system).
SECURITY PORTAL (BLUE BY ADT WEB)	• Log in to the Blue by ADT app.or BluebyADT.com • At the top of the webpage, click the icon of the house with a person inside of it labeled "STAY."	• Log in to the Blue by ADT app or BluebyADT.com • At the top of the webpage, click the icon of the empty house labeled "AWAY."	• Log in to the Blue by ADT app.or BluebyADT.com • At the top of the webpage, click the icon of the shield labeled "INSTANT."	• Log in to the Blue by ADT app.or BluebyADT.com • At the top of the webpage, click the DISARM button.	Not available through Blue by ADT web.
MOBILE APP	• Drag the lock icon to the STAY arming symbol (the house with a person and clock). • Enter your Code*	• Drag the lock icon to the AWAY arming symbol (the house with the shield). • Enter your Code*	• Drag the lock icon to the INSTANT arming symbol (the house with a person and lightning bolt). • Enter your Code*	• Drag the lock icon to the unlock icon labeled "Disarm." • Enter your Code*	Not available on the mobile app.

7.0 Technical specifications, system testing, and maintenance

Weekly testing is required to ensure proper operation of this system

The most common cause of a security system not functioning when an intrusion or fire occurs is inadequate maintenance. This security system should be tested weekly (including any smoke detectors) to make sure all sensors and transmitters are working properly.

Your Blue by ADT systems perform some testing and monitoring automatically. Once per week, provided that the network connections are operating, the system will test communications over internet and cellular (if all of these options are set up). Internet connected systems maintain a regular “heartbeat” whereby the Blue Smart Home Hub communicates with Blue by ADT’s server to report current status. Note AC power and low battery conditions are monitored in all devices with AC and/or batteries.

With the exception of keychain remotes that may be carried off-premises; all sensors are supervised by a check-in signal that is sent to the controllers at 70 to 90-minute intervals. If at least one check-in is not received from each supervised sensor within a 12-hour period, the "missing" sensor name(s) and "Lost" will be displayed on Blue by ADT app.

Trouble sounds

When the system detects a trouble condition, such as no AC power, low battery, lost sensor, or no internet, the system will display flashing yellow LED on the smart home hub. The system will also emit a unique tone. Use the Blue by ADT app to view the Trouble Condition. You can silence beeping for a period of 24 hours by pressing Cancel.

You can prevent trouble beeps from occurring during the night time hours by setting Trouble Silence Start and End times in the System Settings screens of Blue by ADT app.

Please note that Trouble Conditions are not sent to the monitoring center. Only alarms are sent to the monitoring center. Trouble Conditions are indicated locally on your Blue by ADT system by Trouble Sounds (audible) and LEDs (visual). Trouble Conditions are also sent to Blue by ADT servers, where they are recorded as events in your Event Log (for later perusal) and sent to you via text and email, provided you have set up these Alerts. If you wish, Blue by ADT will automatically set up Alerts for you so that you will receive any texts or emails if a Trouble Condition arises. You can also set up these Alerts yourself on Blue by ADT app.

Manual tests

In addition, Blue by ADT app includes manual tests that should be performed regularly.

1. Swipe to reach Settings icon and select
2. Enter Master Code
3. Select Test

The following tests are available:

- Siren Test - press OK to sound sirens.
- Sensor Walk Test – this presents a list of all of your sensors. Initially, this list has blanks (shown by ----) next to each sensor name. Once this list is shown, walk around your house and fault each

sensor one at a time. The sensor result will show PASS or FAIL. Use the scroll buttons to view the entire list and make sure that each sensor has been tested.

Maintenance

This system should be checked by a qualified technician at least every 3 years.

You should treat the components of your system as you would any other high-value electronics. Make sure dirt or dust does not accumulate, especially on smoke detectors and motion sensors. Keep the keypad screen clean, and do not allow dust or lint to accumulate on or near the siren and speaker slots. Do not spray water or cleaning fluids onto any device. Use only a dry soft cloth.

Batteries

All components of your system include batteries. Depending upon usage of various sensors and other devices, battery life can be expected to range from 1 to 5 years. Please note that temperatures above 104F (40C) or below 32F (0C) for any extended period of time will shorten battery life and perhaps cause premature failure. When the system detects a battery reaching a low charge level, Blue by ADT app will display a Low Battery message along with the name(s) of the devices. You will normally have at least 1 week of warning to replace a low battery.

Replace batteries using the model numbers from the table below:

Device	Battery model number	Brand
Smart home hub	S40LRBR0-01 (3.7 volts, 2400 mAh nominal)	Blue by ADT
Keypad (requires 4 batteries per device)	AAA (1.5 volts, 1000 mAh nominal)	Fujitsu
Door & window sensor	CR2 (3 volts, 800 mAh nominal)	Great Power, FDK Energy
Motion sensor	CR123A (3 volts, 1400 mAh nominal)	Great Power, FDK Energy
Flood & temperature sensor	CR123A (3 volts, 1400 mAh nominal)	Great Power, FDK Energy
Smoke detector	CR123A (3 volts, 1400 mAh nominal)	Great Power, FDK Energy
Keychain remote	CR2450 (3 volts, 620 mAh nominal)	Murata, Panasonic

Warning: the polarity of each battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire, which may lead to personal injuries. Replace only with correct batteries. Batteries must not be recharged, disassembled or disposed in fire. Disposal of used batteries must be in accordance with the waste recovery and recycling regulations in your area.

Keep away from small children. If batteries are swallowed, immediately see a doctor.

California only: The Perchlorate warning only applies to Manganese Dioxide Lithium batteries sold or distributed in ONLY in California, USA. Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Power supply ratings

Smart Home Hub:
F18L10
Input rating: 100-240 VAC, 600 ma, 60 Hz
Output rating: 12VDC +/- 10%, 1.5 A.

8.0 Glossary

Alarm
The sound that is heard when your system is armed and a sensor has been faulted or when the PANIC button has been pressed.

Alarm notification delay
When an alarm sounds, a notification signal is sent to the Alarm Monitoring Center after a delay of 30 seconds. The delay provides time for you to cancel a false alarm.

Arming your system
Arming your system means turning your system on to secure your premises.

Auto Stay
When the system is armed Away, but you don't leave the house, the system defaults back to armed Stay status. To override this default setting, Auto Stay can be set to "No" on Blue by ADT.com.

AWAY (Leaving Home)
Arm AWAY when leaving your home. All sensors are monitored (except those designated as a "Non-Monitored Type"). An audible Exit Delay and Entry Delay is supported.

Blue Smart Home Hub
The Blue Smart Home Hub provides the system internet access and phone line backup.

Bypassing a sensor
Bypassing a sensor allows you to arm your system without monitoring or creating an alarm condition when a sensor is opened.

Chime
A chime is the sound made when a sensor is opened or closed.

Comm. Test
The communication test verifies alarms can be sent across internet and/or cellular and/or your phone line to the alarm monitoring center. This is done automatically during activation, but is run periodically to verify communications.

Disarming your system
This refers to turning your security system off. Disarming your system is done by pressing Off on your keypad and then entering your User Code.

Entry Delay
The Entry Delay gives you time to enter your armed home and disarm the system before the alarm sounds. The system beeps during the Entry Delay. INSTANT arming does not have an Entry Delay.

Event logs
The system logs all monitored Events that occur on your system, such as alarms sent to Blue by ADT Alarm Monitoring Center. You can view these Events with the Blue by ADT app.

Exit Delay
The Exit Delay gives you time to leave your home before the system is armed. INSTANT does not have an Exit Delay.

Faulted
Faulted occurs when an event a sensor is monitoring is detected, such as the opening of a door or window.

INSTANT
Arm Night when you are in for the evening and not expecting anyone to enter or leave from your home. There is no Entry or Exit Delay supported and an alarm will sound immediately upon faulting an armed sensor.

In-Test
You can request your system be put In-Test for up to 24 hours. During this time your system will not be monitored.

Blue Keychain Remote
A Blue Keychain Remote allows you to arm your security system from outside your home.

Master Code
One Master Code is supported, which you entered as part of your activation process. Only the Master Code can be used to change your system settings, such as creating, editing, and deleting other User Codes.

One-Touch Arming
When enabled the system can be armed by pressing and holding Stay, Away, or Night on the Blue by ADT app without entering your User Code. The factory default is Off.

PANIC Alarm
A PANIC Alarm generates an alarm and the Alarm Monitoring Center contacts emergency authorities without phone call verification. The PANIC Alarm is generated by pressing the PANIC button located on the Blue by ADT app, "*" and "#" simultaneously on the Blue Smart Home Hub or Keypad, or by pressing Away and * on the keychain remote.

Practice
After a system is activated, it is in Practice mode for 7 days. Practice mode allows you to learn the system without causing false alarms. During this time, you are "Not Monitored" and there will be NO dispatch of authorities.

Sensors
Sensors monitor events and, when detected, report the events back to the Blue by ADT System.

Sensor magnets
Magnets are used with door & window sensors. Magnets are attached to a door or window, while the sensor is attached to a door or window frame.

STAY
Arm Stay while you are at home. A silent Exit Delay and an audible Entry Delay is supported.

User Codes
User Codes can arm and disarm your system, but cannot access or change your system settings.

9.0 **Basic fire escape planning**

Your ability to get out depends on advance warning from smoke alarms and advance planning

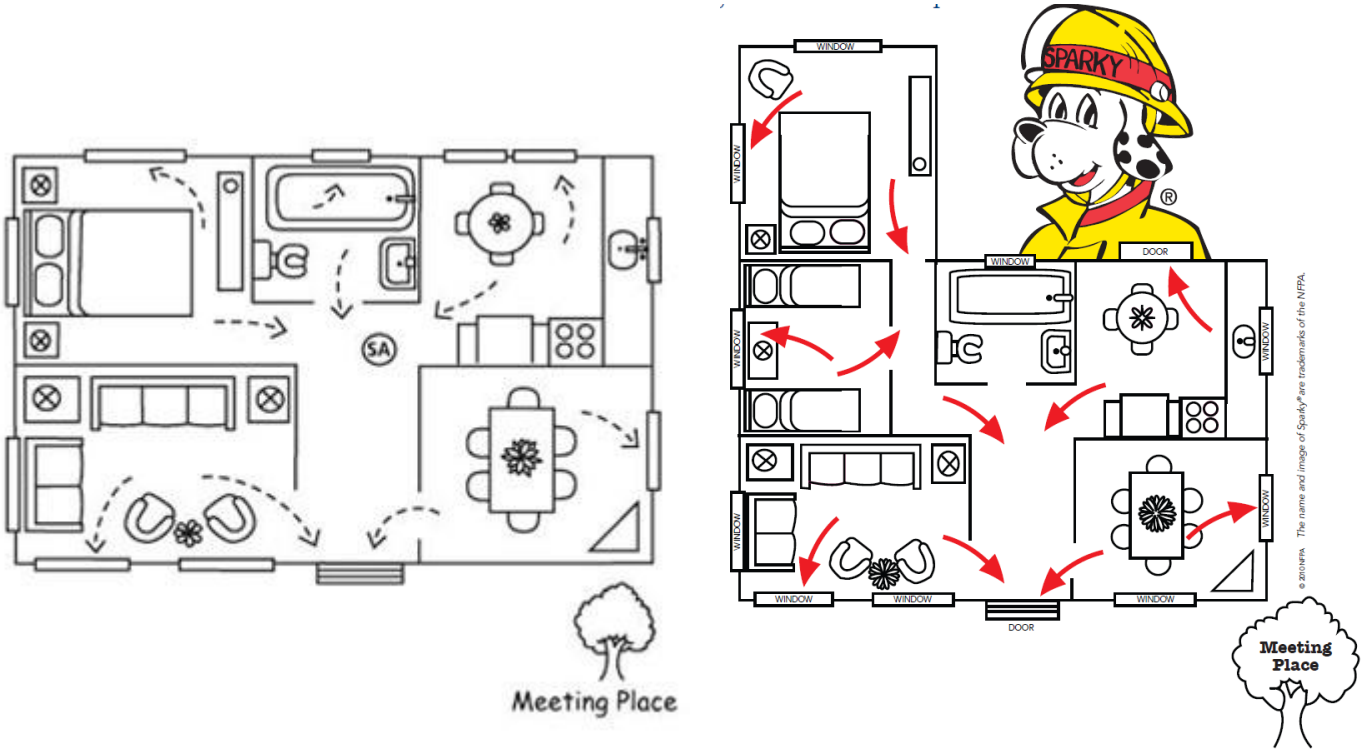
- Pull together everyone in your household and make a plan. Walk through your home and inspect all possible exits and escape routes. Households with children should consider drawing a floor plan of their home, marking two ways out of each room, including windows and doors. Also, mark the location of each smoke alarm.
- Install smoke alarms in every sleeping room, outside each sleeping area and on every level of the home. NFPA 72, National Fire Alarm Code® requires interconnected smoke alarms throughout the home. When one sounds, they all sound.
- Everyone in the household must understand the escape plan. When you walk through your plan, check to make sure the escape routes are clear and doors and windows can be opened easily.
- Choose an outside meeting place (i.e. neighbor's house, a light post, mailbox, or stop sign) a safe distance in front of your home where everyone can meet after they've escaped. Make sure to mark the location of the meeting place on your escape plan.
- Go outside to see if your street number is clearly visible from the road. If not, paint it on the curb or install house numbers to ensure that responding emergency personnel can find your home.
- Have everyone memorize the emergency phone number of the fire department. That way any member of the household can call from a neighbor's home or a cellular phone once safely outside.
- If there are infants, older adults, or family members with mobility limitations, make sure that someone is assigned to assist them in the fire drill and in the event of an emergency. Assign a backup person too, in case the designee is not home during the emergency.
- If windows or doors in your home have security bars, make sure that the bars have emergency release devices inside so that they can be opened immediately in an emergency. Emergency release devices won't compromise your security - but they will increase your chances of safely escaping a home fire.
- Tell guests or visitors to your home about your family's fire escape plan. When staying overnight at other people's homes, ask about their escape plan. If they don't have a plan in place, offer to help them make one. This is especially important when children are permitted to attend "sleepovers" at friends' homes.
- Be fully prepared for a real fire. When a smoke alarm sounds, get out immediately. Residents of high-rise and apartment buildings may be safer "defending in place."
- Once you're out, stay out! Under no circumstances should you ever go back into a burning building. If someone is missing, inform the fire department dispatcher when you call. Firefighters have the skills and equipment to perform rescues.

Putting your plan to the test

- Practice your home fire escape plan twice a year, making the drill as realistic as possible.
- Make arrangements in your plan for anyone in your home who has a disability.
- Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. The objective is to practice, not to frighten, so telling children there will be a drill before they go to bed can be as effective as a surprise drill.
- It's important to determine during the drill whether children and others can readily waken to the sound of the smoke alarm. If they fail to awaken, make sure that someone is assigned to wake them up as part of the drill and in a real emergency situation.
- If your home has two floors, every family member (including children) must be able to escape from the second-floor rooms. Escape ladders can be placed in or near windows to provide an additional escape route. Review the manufacturer's instructions carefully so you'll be able to use a safety ladder in an emergency. Practice setting up the ladder from a first-floor window to make

sure you can do it correctly and quickly. Children should only practice with a grown-up, and only from a first-story window. Store the ladder near the window, in an easily accessible location. You don't want to have to search for it during a fire.

- Always choose the escape route that is safest – the one with the least amount of smoke and heat – but be prepared to escape under toxic smoke if necessary. When you do your fire drill, everyone in the family should practice getting low and going under the smoke to your exit.
- Closing doors on your way out slows the spread of fire, giving you more time to safely escape.
- In some cases, smoke or fire may prevent you from exiting your home or apartment building. To prepare for an emergency like this, practice "sealing yourself in for safety" as part of your home fire escape plan. Close all doors between you and the fire. Use duct tape or towels to seal the door cracks and cover air vents to keep smoke from coming in. If possible, open your windows at the top and bottom so fresh air can get in. Call the fire department to report your exact location. Wave a flashlight or light-colored cloth at the window to let the fire department know where you are located.



Sample evacuation plans

Source: NFPA

10.0 **Limitations**

WARNING
THE LIMITATIONS OF THIS SECURITY SYSTEM

While your Blue by ADT system uses advanced technologies, no security system (including Blue by ADT) offers guaranteed protection against burglary, fire, or other emergency. All security systems are subject to compromise or failure to warn for a variety of reasons including:

- Intruders may enter through unprotected openings or have the technical capability to bypass a sensor.
- The security system and sensing devices will not work without power. Battery-operated devices will not work without batteries, with dead batteries, or if the batteries are not put in properly.
- Signals sent by wireless sensors or controllers may be blocked or reflected by metal before they reach the receivers. Even if the signal path has been recently checked during a weekly test, blockage can occur if a metal object is moved into the path.
- A user may not be able to reach a panic or emergency button quickly enough.
- While smoke detectors have played a role in reducing residential fire deaths, they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, for reasons including: smoke detectors may have been improperly installed and positioned; smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors; smoke detectors may not sense a fire on another level of a residence or building; and smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, smoke detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson. Depending on the nature of the fire and/or location of the smoke detectors, smoke detectors may not provide sufficient warning to allow all persons to escape in time to prevent injury or death.
- Motion sensors can only detect intrusion within the designed ranges as diagrammed in their installation manual. Motion sensors do not provide volumetric area protection. They create multiple beams of protection, and intrusion can only be detected in unobstructed areas covered by those beams. They cannot detect motion or intrusion that takes place behind walls, ceilings, floors, closed doors, glass partitions, glass doors, or windows. Mechanical tampering, masking, painting, or spraying of any material on the mirrors, windows or any part of the optical system can reduce their detection ability. Motion sensors sense changes in temperature; however, as the ambient temperature of the protected area approaches the temperature range of 90° to 105°F (32° to 40°C), the detection performance can decrease.
- Sirens may not alert people or wake up sleepers if they are located in different rooms or behind partially/fully closed doors. If a siren is located on a different level of the residence from the bedrooms, it may not waken or alert people inside the bedrooms. Even awake people may not hear the siren because of other sounds like a TV, music player, radio, air conditioner or other appliance, or by traffic. Sirens may not warn hearing-impaired people.
- Internet and telephone lines needed to transmit alarm signals may be out of service or temporarily out of service. Internet and telephone lines may be cut by sophisticated intruders.

- Cellular signals needed to transmit alarms may be out of service, or carriers may have taken cell sites down for maintenance, or cell sites may be congested, or carriers may have reallocated cellular channels to other purposes. Cellular signals may be jammed by sophisticated intruders.
- Even if the system responds to the emergency as intended, occupants may not have time to protect themselves from the emergency situation. Authorities may not respond appropriately.
- This equipment, like other electrical devices, is subject to component failure. Even though this system is designed to last as long as 10 years, the electronic components could fail at any time.

The most common cause of a security system not functioning when an intrusion or fire occurs is inadequate maintenance. This security system should be tested weekly (including any smoke detectors) to make sure all sensors and transmitters are working properly.

Wireless transmitters are designed to provide long battery life under normal operating conditions. Battery life may be as much as 2 to 4 years, depending on the environment, usage, and the specific device. External factors such as humidity, high or low temperatures, as well as large swings in temperature, may all reduce the actual battery life in a given installation. This system reports low battery situations, allowing time to arrange a change of battery to maintain protection for that given point within the system. Installing a security system may make the owner eligible for a lower insurance rate, but a security system is not a substitute for insurance. Homeowners, property owners and renters should continue to act prudently in protecting themselves and continue to insure their lives and property.

11.0 FCC information

FCC Part 15

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.

CAUTION:

Changes and modifications to this product not expressly approved by Blue by ADT LLC could void not only the user's authority to operate this device, but also the limited warranty.

Note:

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

The antenna used with this product must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be serviced only by Blue by ADT LLC or its authorized agents.

CAUTION:

To ensure proper operation, this equipment must be installed according to the enclosed installation instructions. To verify that the equipment is operating properly and can successfully report an alarm, this equipment must be tested immediately after installation, and periodically thereafter, according to the enclosed test instructions.