



# Knok™

## USER MANUAL

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Note: Screen shots and procedures described in this manual are subject to change without notice. The latest Momentum User Guide is always available on our website at <http://www.momentumcam.com>.

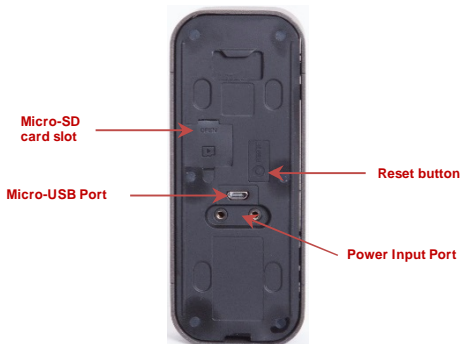
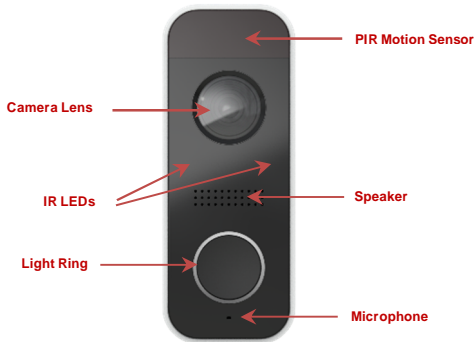
## Introduction

The **Knok** is Wi-Fi Video Doorbell with wireless monitoring capabilities that can be accessed from anywhere where you have an internet connection. It's great for surveillance of your doorstep and to make sure you always stay in control no matter where you are. All you need is a(n):

1. Existing wired doorbell you want to replace, or
2. Existing chime, transformer, and wiring in the mounting area
3. Compatible mobile device (Android or iOS)
  - *See page #8 for device requirements.*

Use your smartphone and/or tablet to use and manage the Knok with the Momentum app functions remotely.

## Product Features



## LED Indicators

The Knok displays an indicator light that lets you know what it is doing.

**Solid Red:** Knok is booting up.

**Double Blinking Blue:** Ready to connect to Wi-Fi.

**Solid Blue:** Device is connected to the internet.

**Blinking Blue:** Device has no internet connection.



## What's Included

**A. Knok Doorbell**

**B. Mounting Bracket**

**C. Security Screw**

**D. Horizontal (15°) and  
Vertical (5°) Angle Brackets**

**E. Drill Bit**

**F. Long Mounting Screws (x4) and  
Wall Anchors (x4)**

**G. Short Mounting Screws (x4)**

**H. Power Connection Screws (x2)**

**I. Wire Clips (x2)**

**J. Chime Adapter Kit**

**K. Double-sided Tape**

**L. Doorbell Connection Wires**

**M. Leveler**

**N. Screwdriver**

**O. Extra Color Case**

## Wi-Fi Requirements

The Knok requires a 2.4GHz (802.11b/g/n) for Wi-Fi connectivity. This is available on almost any standard Wi-Fi router.

You will need your Wi-Fi name and password when pairing your mobile device and the Knok.

Note: If you are using a 2.4GHz + 5 GHz dual band router, create separate SSID names for each band on your Wi-Fi router settings page. This will make it easier for you to select the 2.4GHz band for the device setup.

## Mobile Device Requirements

The Momentum app requires a smart phone or tablet device that runs on Android or iOS. Please see the in-app description for device compatibility for the most up-to-date info.



## Installation Requirements

1. To install the Knok, you must already have an existing doorbell you wish to replace or have a setup location with an installed chime box, transformer, and wiring.
2. The Knok will work with most mechanical and electronic chimes but will not work with wireless battery power chimes.
3. Your doorbell's transformer must be able to deliver 16-24VAC and at least 10VA.
4. Installation should be performed by qualified electricians who are informed about the standards and technical requirements of the appliance and its proper installation.

## Knok Installation

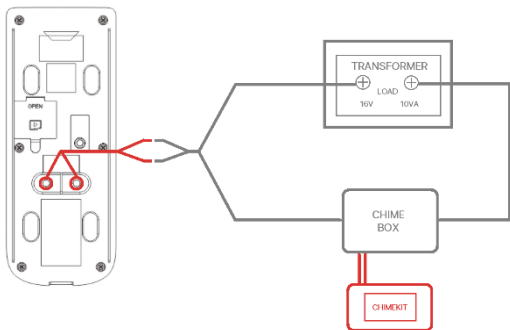
### Before you begin:

- Shut OFF the power for the doorbell at the fuse or circuit breaker box.
- If you're unsure which switch it is to turn off the doorbell's power, please consult with a licensed electrician.
- This equipment is intended for installation in a restricted access location. Access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.
- If you plan to perpetually power on device, please add appropriate disconnecting apparatus and overcurrent protection device, outside of the device.



**WARNING: Failing to shut off the power could result in a serious injury, electrical shock, and/or risk of fire.**

## Assembly Diagram



- **Knok Doorbell Connections**
- Home's Chime/Transformer Connections

## Step 1: Download the Momentum App

Download and install the Momentum app on your mobile device.

Search for **Momentum** on the Google Play Store for Android devices, or on the Apple App Store for iOS devices. You may also scan the QR code below from your mobile device to route you directly to the app.

**Make sure the app logo you download matches the one shown below.**



momentum



## Create an Account

If you don't already have a Momentum account, you will need to create one. To create a new account, follow the in-app instructions.

### *Notes:*

- *You may follow the in-app installation instructions or read the instructions provided in this manual.*
- Your power to the doorbell should be OFF already at this point from the breaker box.

### **Step 2: Locate your chime box and transformer.**

- Verify the chime's transformer can support 16-24V. If uncertain, consult with a licensed electrician.

### **Step 3: Connect the wires.**

- Take the ends of the wires from the chime kit and connect one wire to the FRONT terminal and the other to the TRANS terminal on your existing chime box.

### **Step 4: Mount the chime kit.**

- Use the double-sided tape to mount the chime kit on the inside of the chime box. If there's not enough room on the inside of the chime box, then secure it to the outside of the box or wall.

## Step 5: Remove existing doorbell and disconnect the wiring.

- Verify that the power to the doorbell and chime box is still off.
- 

### Installing an Angle Bracket (OPTIONAL)

If your wall is positioned in an angle where the doorbell will not be able to properly monitor the area you want, then you'll probably want to install an angle bracket.

- Mark the 4 corner holes** for the installation using the angle bracket. Make sure it's straight using the leveler.
- If you have a stucco, stone, brick, or any other hard surface**, use the drill bit (provided) and power drill to create the 4 screw holes, then insert the wall anchors.  
If your wall is wood or another softer surface, then you may skip this step.
- Align the angle bracket** with the holes and drill in the long screws to mount the angle bracket.

Make sure the smoother, flatter side of the angle bracket is placed directly onto the wall.

- d. **Screw the mounting bracket into the angle bracket** using the short flat screws.
  - e. **Install the mounting bracket directly onto the angle bracket** using the 4 short security screws (provided).
  - f. **Skip steps 6-8** below.
- 

#### **Step 6: Mark holes for the mounting bracket.**

- Place the mounting bracket in the desired location and mark screw holes for installation. Use the leveler to check that it is straight.

#### **Step 7: Drill holes in the wall and insert wall anchors (if needed).**

- If you have a stucco, stone, brick, or any other hard surface, use the drill bit (provided) and power drill to create the 4 screw holes first, then insert the wall anchors. If your wall is wood or another softer surface, then you may skip this step.

### **Step 8: Install mounting bracket.**

- Align the mounting bracket with the holes and use the 4 long screws (provided) to screw into the wall or wall anchors. Make sure the existing doorbell wires are accessible by pulling through the large hole in the mounting bracket.

### **Step 9: Connect the wires.**

- Use the included wire connectors to connect to the doorbell terminal screws on the back of the Knok. Connect the other end of the wires to the two orange connectors – one wire each into the connectors. Connect your existing doorbell wires into the other side of each orange connector.

### **Step 10: Push connectors and wiring back into the wall.**

### **Step 11: Remove the color case from the Knok and secure the Knok onto the mounting bracket.**



- Mount the doorbell onto the bracket and screw in the bottom security screw, then reapply the color case to the Knok.

### **Step 12: Restore power to the installation site.**

- The lights will come on and you will hear a confirmation as your Knok starts up.

### **Step 13: Pair the Knok**

Note: Your Knok should already be installed and powered on before pairing.

To begin using your Knok, you will first need to pair it to your Momentum account and then connect it to your Wi-Fi network.

- Once your Knok has been powered on the first time, it should already be put into pairing mode. The lights should be double-blinking blue.
- If it's not in pairing mode, you will need to detach the doorbell from the mounting bracket and hold down the reset button behind the doorbell 10 seconds.

## 1. Connect to the Knok's Wi-Fi access point.

- From the app, select the Knok device option, then proceed until you're instructed to connect to the Knok's Wi-Fi access point.
- From your mobile device's Wi-Fi settings, find the Wi-Fi network with the name "**KNOK**" and connect to it.
- Once you're connected, go back to the app.

*Note: If you're using an Android device and cannot proceed to the next step, you may need to set the Knok Wi-Fi network to "automatically connect" or confirm the connection again from the android notification pop-up the comes up after attempting to connect to the Knok Wi-Fi network.*

## 2. Connect to your Wi-Fi network.

- When you're back to the Momentum app you should already be brought to the Wi-Fi network screen.
- Your home Wi-Fi network should already show on the screen as well. Enter in the network credentials for your Wi-Fi network.
- Name your devices, and then your setup is complete!

## Storage Options

Your Momentum Knok can save your recorded videos or pictures through the **Momentum Capture Cloud Storage** subscription plan or with your own **micro-SD card** inserted into the device.

The micro-SD card slot can be found behind the Knok device (*see pg. 5*).

### Momentum Capture Cloud Storage

After you initially pair a Momentum device to your Momentum account, you will be provided FREE cloud recordings that last for 24hrs.

You may also choose a different paid subscription plan with longer days of clip storage from our website at [www.momentumcam.com](http://www.momentumcam.com). See website for more details on our available subscription plans.

## Micro-SD Card Storage

You also have the option to use your own micro-SD card (up to 64GB) instead for back-up storage.

Insert the micro-SD card into Knok's micro-SD slot on the back of the Knok device. The camera will automatically record events and camera photos you take directly into the micro-SD card as back-up storage.

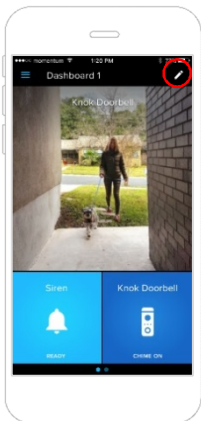
Once the memory capacity has been reached on the card, the new recording will loop over and begin to overwrite the earliest saved recordings.

To access the back-up micro-SD card recordings, go to the camera's settings and select "**View Camera Backup**".



## Your Dashboard

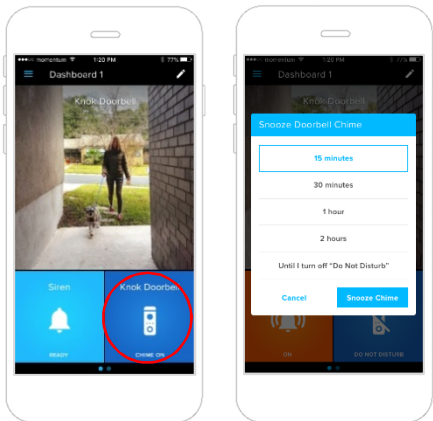
Your dashboard is your app's home screen where you can view and access your paired devices. You can rearrange the **Tiles** on your dashboard by tapping the **Pencil** icon in the top right corner of the app. You can also make some device tiles larger or smaller when editing your dashboard. Be sure to tap the **Save Dashboard** button at the bottom when you are finished editing.



## Do Not Disturb (DND) Controls

After pairing your Knok, a doorbell chime tile will be available for your app's dashboard screen. This tile allows you to "snooze" the chime for a specified amount of time. This is helpful if you don't want anyone ringing your doorbell at night.

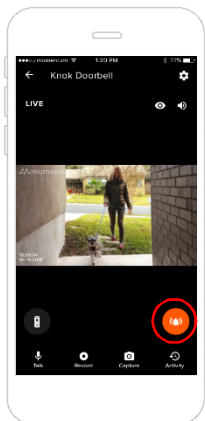
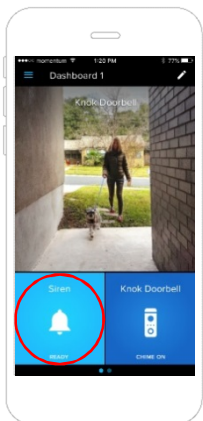
You can also control the DND from the Knok camera's live view screen.



## Siren Activation

Your Knok has a built-in siren that is loud enough to scare away your perpetrators.

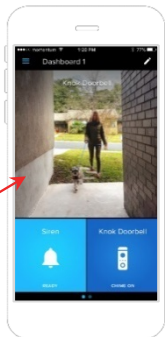
You can activate the siren from the Siren Tile or the Knok live view screen.



## Camera Functions

Your Momentum Knok has several functions you can control through the Momentum app. To enter the camera controls, select the **camera tile** from the dashboard.

Camera tile



### Watching Live Video

To view live video stream, first select the **Camera tile**.

Rotate your mobile device to view in either portrait mode or landscape mode.

In **portrait mode** you can use your fingers to pan around the video feed. **Landscape mode** will display the video in full screen mode. You may use your fingers to pinch to zoom in on the video as well.

Note: You do not need a micro-SD memory card or a cloud storage subscription for live video streaming.



## Taking Photos

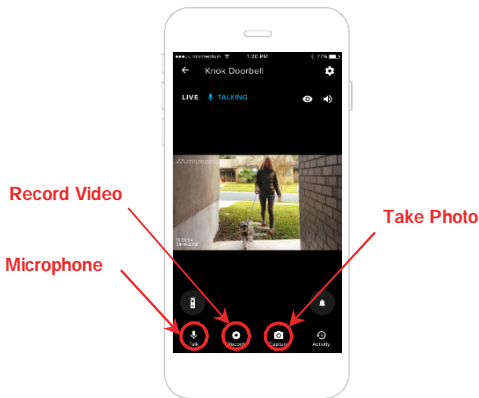
Tap the **Camera** icon to save a screenshot while watching live video.

## Recording Videos

Tap the **Record Video** icon to start recording. The video will record based on a 20 second clip.

## Audio Functions

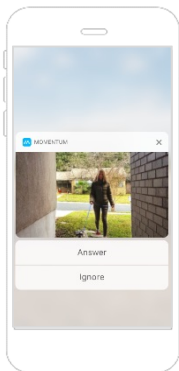
You can engage in two-way conversations while you're in the Knok's live video stream option.



## Answering the Doorbell

When a visitor presses the Knok's doorbell button, you will receive a notification to your mobile device. Tapping on the notification will give you the option to answer or ignore the visitor.

If you choose to answer the visitor, you'll be brought to the Knok's live stream screen where you'll be able to remotely communicate with the visitor at your doorstep.

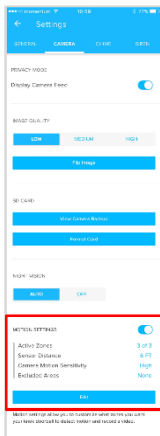


## Motion Detection Settings

There are two motion detection settings for the Knok: motion sensor and camera detection.

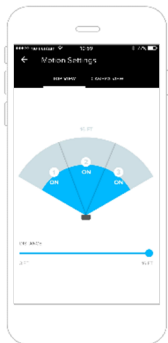
The Knok uses a two-step verification on motion alerts to limit false alerts from irrelevant motion, such as trees or leaves moving in the background.

You can manage these settings from the app in the Knok's camera settings page.

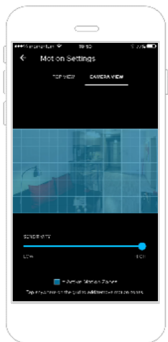


The “Top View” motion setting allows you to adjust the PIR motion sensor detection.

You may turn off any of the 3 motion zones and adjust the sensor distance from the bar at the bottom.



The “Camera View” motion setting allows you to block off areas where you don’t want the camera to detect motion.



## Setting up Rules

Your Knok will record video when rules have been set through the Momentum App. **Rules** allow your device to activate and monitor the area while you are not watching the live stream.

### Adding a New Rule

Tap on the blue "Rules" tile or select the "Rules" option from the menu tab and tap on the "+" icon to create a new rule.

Select the device and other options, then add the days of the week and times of the days you want the rule to be set in place.

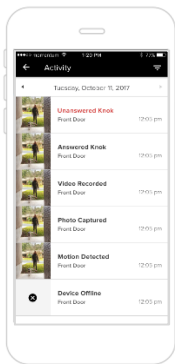
Note: Scheduled times cannot carry over past midnight. (i.e. cannot schedule 9PM-1AM. Must schedule two different times: 9PM-11:59PM; 12AM-1AM)

## Mobile Alerts

Once you have created a **Rule** set to your chosen parameters, you will receive a notification alert to your mobile device if an event is triggered.

If you'd like to stop receiving alerts, you must delete the Rule, or you can turn it off from your mobile device's notification settings for the Momentum App.

You may also view all your previous alerts by tapping the **Activity** tile on your Dashboard.



## Viewing Recorded Photos and Videos

To view Cloud videos, tap the **Activity** tile to view recorded videos, captured photos, or alerts for a specific day. You can also access the activity list from the live camera view. When you select a video in your activity list, it will begin playing back automatically. To rewind or fast forward, tap the video to reveal the video playback controls.

For back-up micro-SD card recordings, you may access them from the camera settings and selecting the **“View Camera Backup”** button.

## Saving and Deleting Recordings

If you have purchased a cloud subscription and set up a rule for recordings, footage of those recordings will be automatically saved onto the cloud for the predetermined time, depending on which plan you have purchased.

If you have inserted your own micro-SD card and set up a rule for recordings, footage of those recordings will be saved on the micro-SD card until the storage becomes full and loops back over to record over your previous recordings.

However, if you'd like to save your cloud or micro-SD card recordings to your mobile device's local storage, you can do so while you're viewing the specific recording. Press the 'save' button at the bottom right corner to save a copy of the footage onto your mobile device's local storage.

You may also delete the recording permanently off your cloud storage or micro-SD card swiping left on the recording on the activity list page.

## Restoring Forgotten Passwords

If you've forgotten your login password, tap on the **Forgot Password** button at the sign in page. You will receive an email with instructions to guide you through the rest of the way.



## Resetting the Device

If you're just setting up your Knok for the first time or need to repair the device to a different Wi-Fi network, you may need to first reset the device to get it in pairing mode again.

To manually reset the device, you will need to remove the Knok doorbell from the mounting bracket and hold the **Reset** button for 10 seconds.



After about a minute, the Knok will then be ready to connect to the Wi-Fi again. You will then need to follow the pairing process again (see instructions for pairing).

## Troubleshooting

Assistance is available both in the app and on the Momentum website.

- To access the most current version of the user's manual, tap the **Menu** icon to launch the screen with a menu bar and tap **Support**.
- For further assistance and the latest version of the manual, go to <https://www.momentumcam.com>.

## About Momentum

Momentum provides an easy-to-setup home security camera that connects to your smart phone or tablet giving you real-time video streaming and two-way voice communication – anywhere, anytime. Momentum subscribers also have access to IOT cloud-based storage for camera-captured videos from a user-friendly mobile app. Whether you want to check on your babysitter, are wondering what your pets are doing, or are leaving for vacation, you'll always have an eye in your home with Momentum.

For more information, please visit [www.momentumcam.com](http://www.momentumcam.com) or contact us at [help@momentumcam.com](mailto:help@momentumcam.com).

## **FCC Compliance**

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.

### **Apollo Tech USA, Inc.**

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Version 1.0

# Regulatory Information

The regulatory information herein might vary according to the model you purchased. Some information is only applicable for the country or region where the product is sold.

## FCC Information



### CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### **FCC conditions:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

#### **FCC compliance:**

This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication.

- For class B device, these limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

## Battery Replacement and Disposal

Applicable to products with battery.



### CAUTION

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

## Privacy Protection Notice

As the device user or data controller, you might collect personal data of others such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.