KATALYST | Converge IoT
All things connected

HAWK
USER GUIDE

c401b

KATALYST

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1.0 – What's in the Box?

The box contains the following items:

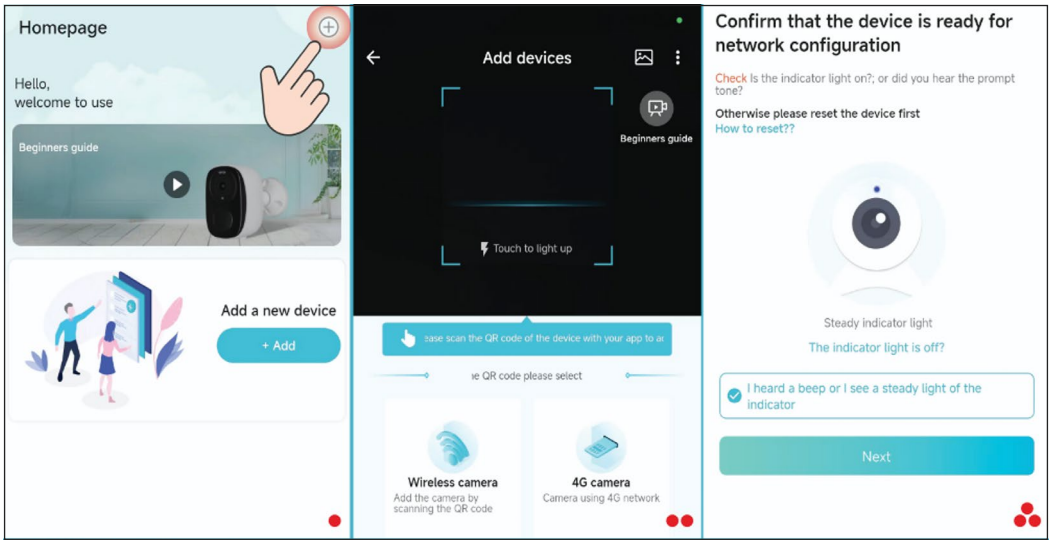
- 1x Hawk Camera
- 1x Solar Panel
- 1x User Manual
- 2x Mounting Hardware Kit
- 1x Wall mount for solar panel

Please keep the box and all accessories in the event the device needs to be returned.

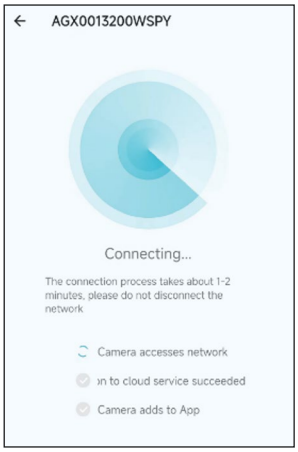
If any parts are missing, please contact the seller of the device.

1.1 – Initial Configuration

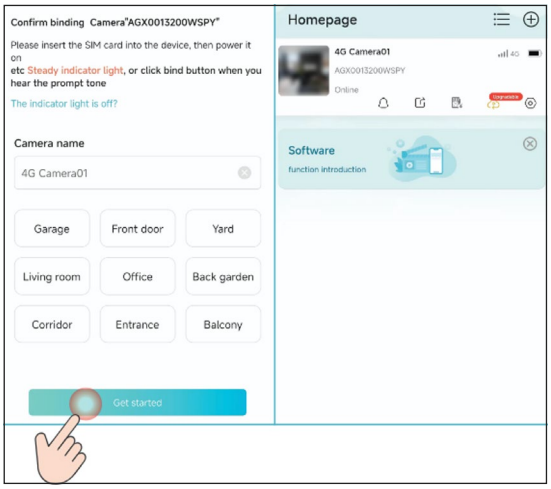
1. Search for "O-KAM Pro" on the Google Play Store (Android) or the App Store (IOS) and download the app.
2. Once downloaded, open the app and select Register now, select your corresponding region, and enter your email address to complete registration.
3. Once you've created your account, unscrew the two small screws on the bottom of the camera module and remove the small panel to expose the SIM and TF card slots.
4. Insert your active carrier SIM into the SIM slot of the camera.
5. Open the O-KAM Pro app and click on the plus at the top right of the screen, then scan the QR code on the camera.



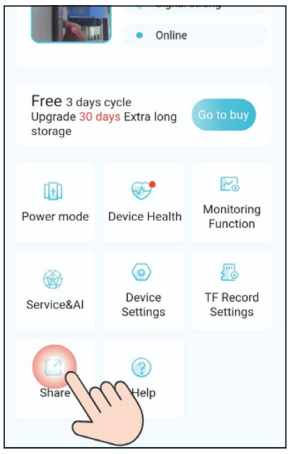
6. Wait for the device to connect to the network.



7. Give the camera a name of your preference (front door, office, backyard, etc.) then click Get started.



8. (Optional) If you would like to share camera access with someone simply select the camera in the app homepage, click on the octagonal gear icon in the top right corner, and select Share.



2.0 – Device Installation

2.1 – Installation Needs

- Lexel sealant
- Drill with drill bits
- Impact with Phillips/flathead bits
- Socket Adapter with socket set (imperial and metric)
- Cable Clips
- Self tapping screws
- [4] Screws (Metal or Concrete)
- [4] Screw Anchors (if necessary)
- I-Beam Level

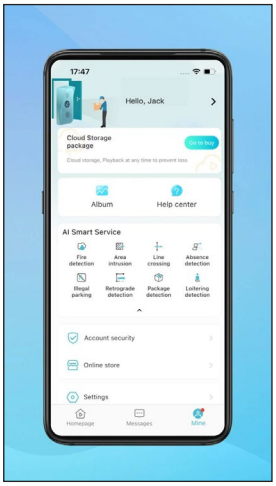
2.2 – Installation Steps

1. Position the Camera template plate where it is intended to be installed. If pilot holes are needed, mark and drill them. Insert anchors if necessary.
2. Place the Hawk camera on the wall and secure it with the provided screws into anchors. Use an I-Beam level to ensure it is straight.
3. Find an open place for the solar panel to be installed in a 45 degrees for optimal results.
4. Hold the template plate against the wall or surface in direct sunlight. Mark the mounting hole positions and drill pilot holes where marked.
5. Use the provided screws from the hardware kit to attach the solar panel wall mount.
6. Secure the solar panel to the mount. Adjust the angle of the panel to 45 degrees to face the sun directly.
7. Connect the solar panel to the camera by using the provided power cable.
8. Organize the power cable using cable clips and zip ties.

3.0 – O-KAM Pro App

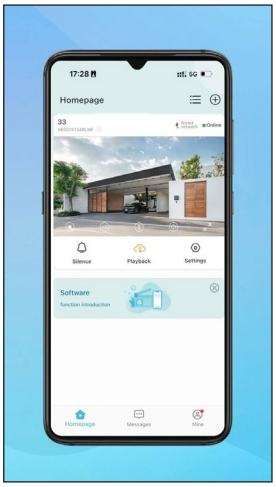
3.1 – Homepage

When you first open the app, you will see the Homepage which displays your cameras in a list as well as the Messages, Explore, and Mine page options at the bottom of the screen. From this page you can select the camera you would like to monitor or edit settings for, selecting a camera will bring you to its Live page and show you a live feed of the camera. You can also mute push notifications and monitor detection activity on this page under each camera entry.



3.2 – Live

The Live page shows a live feed of the camera and gives you several configurable settings regarding the camera capture and behavior.



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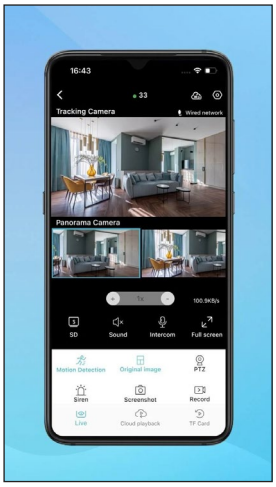
3.3 – Camera Video Player & Options

The following will go over each option in the options menu below the camera feed:

- The monitor icon will allow you to select the camera quality that is displayed.
- The speaker icon will give you the option to enable/disable live audio picked up from the camera.
- The microphone icon acts as an intercom button, allowing you to speak into your phone and output from the camera.
- The PTZ Camera icon will open a menu that allows you to set various camera positions and panning options for the device to use.
- The More arrow icon will open a menu which allows you to configure various other settings such as:
    - o Motion detection: instructs the camera to note when it detects motion.
    - o Siren: turn on/off the siren function on the camera.
    - o White light: turns on the lights on the camera
    - o Screenshot: take a screenshot of what's currently displayed on the camera.
    - o Record: record what's currently displayed on the camera.
    - o Night Vision: enable/disable and configure night vision settings on the camera.
    - o Activity Zone: allows you to select which area the camera will pay attention to regarding motion detection.
    - o Person tracking: enable/disable person tracking which will have the camera pan to follow a person that is currently in view.
    - o Human frame: enable/disable an outline to surround a person currently on camera.
    - o Flip upside down: allows you to flip the display across the y-axis.
    - o Customized sorting: allows you to manage the order in which these settings are displayed in this UI.
- Full screen allows you to open the camera display in full screen mode.

Below the options menu bar is a dial that allows you to control where the camera is looking. To move the camera position simply drag the dot in the center of the circle to whatever direction you wish the camera to point to until you've reached your desired angle.

Below the movement dial is the zoom section which allows you to zoom the camera view in and out by clicking the plus or minus icons next to the zoom number.

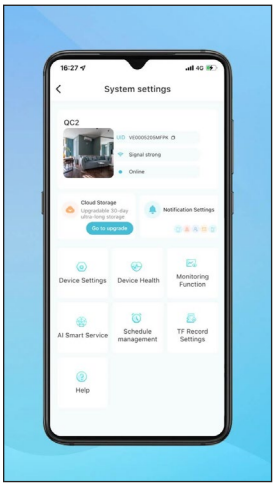


3.4 – System Settings

At the top right of the camera view player is a hexagonal gear icon which opens the System Settings page. The System settings page allows you to configure more settings relating to the behavior of the device such as device health and scheduling. This page can also be accessed from the Homepage by clicking the three dots next to the camera you would like to manage and clicking Settings.

The following goes over each section in the System settings page:

- Notification Settings: allows you to manage push notifications and manage camera siren settings.
- Device Settings: allows you to change the name of the camera, set the volume for the microphone/speaker on the device, toggle the indicator light, toggle camera priority, manage video settings, manage call settings, and restart the device.
- Working Mode: allows you to select the power mode the camera operates under and modify rules for activation.
- Device Health: allows you to check device information (serial number, MAC address, firmware version, etc.) and monitor power information such as battery life.
- Monitoring Function: allows you to toggle and manage monitoring settings such as:
    - o Motion Detection
        - - Detection Distance
        - - Motion detection frequency
        - - Human Detection
        - - Person Tracking
    - o Cloud video recording
    - o Recording duration
    - o Alarm flashing
    - o Activity Zone
    - o Detection Schedule
- AI Smart Service: AI Services offered by cloud storage service.
- Schedule Management: manage already set schedules.
- TF Card Settings: allows you to check TF card capacity, set recording quality, toggle sound recording, and format the TF card.
- Share: allows you to share camera access with other people.
- Help Center: bring you to a support page with many FAQs and support documents.



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3.5 – Cloud Playback

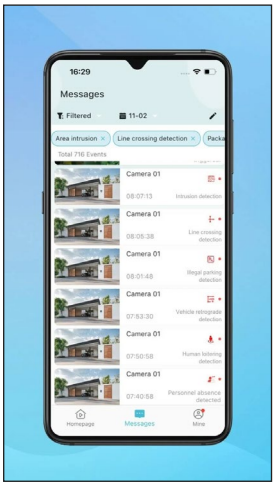
The cloud playback page allows you to check on recently occurred event tracking such as motion detection. Here you can watch, delete, download, and share recorded events. By default, the device will save the last three days of events and then they will be deleted unless you manually save recordings to your album. This period can be extended to 30 days if you upgrade your cloud storage plan.

3.6 – TF Card

The TF Card page allows you to check and save recordings that are currently saved on the TF card. By default, the camera will save the last two days of feed to the TF card.

3.7 – Messages

The Messages page is where you can find each detection alert that the camera records. From the messages page you can watch recorded clips, filter by detection type and date, and delete currently saved recordings.



3.8 – Mine

The Mine page allows you to check your album of saved pictures and videos, edit account settings (email, password, etc.) and edit app settings.

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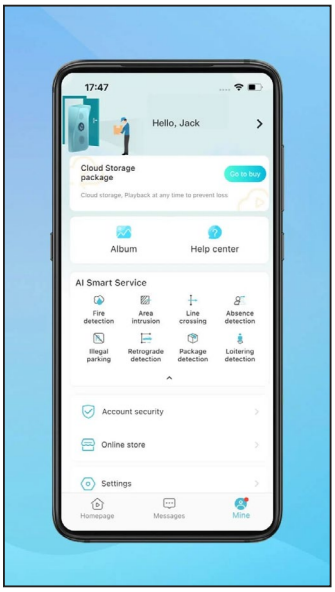
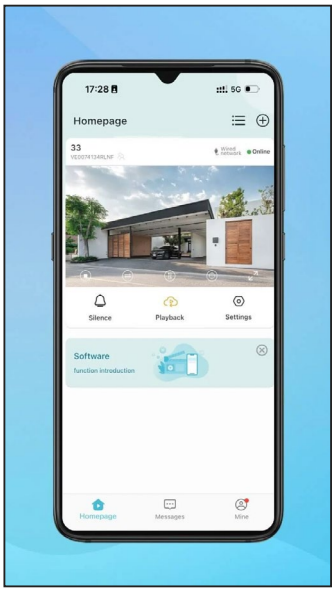
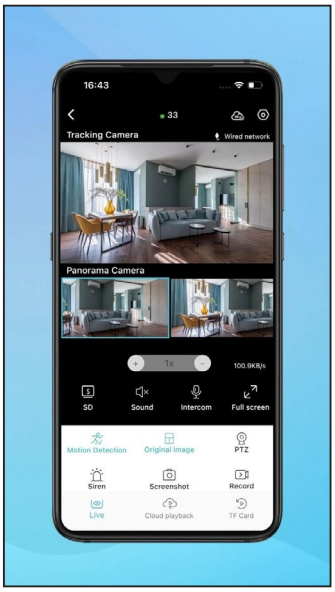
3.9 – O-Kam Pro App Imagery



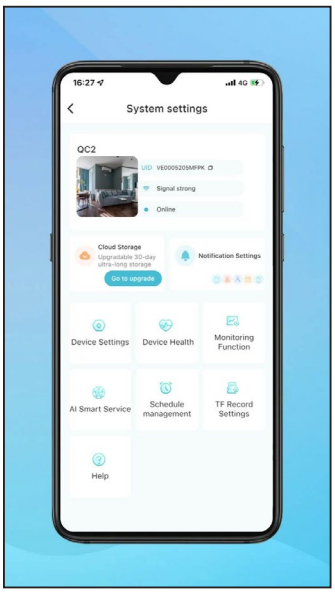
Home Screen



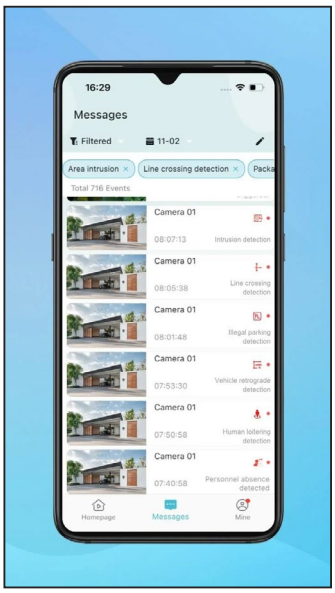
Live Screen



Camera Views



System Settings



Messages

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4.0 – FAQ's

This section will answer and give some instructions for frequently asked questions.

4.1 – How to set the video quality that the camera records in:

By default, the camera will save detected events to the cloud in the quality that you have set in the live video player (HD by default). You can set the recording quality that is saved to the TF card slot by doing the following:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Go to the System settings by clicking on the hexagonal gear icon at the top right of the video player.
3. Select TF Record Settings.
4. Click Recording time and select the preferred quality. The names correspond to the following video qualities:
    - SD = 720p
    - HD = 1080p
    - Super HD = 1440p

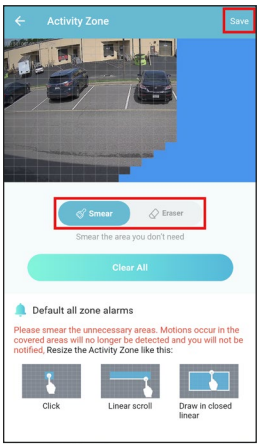
4.2 – How to enable motion detection:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on More under the video player, then click Motion Detection.
3. Click on the slider next to Motion Detection to enable it.
4. From here, motion detection will be on, you can further configure motion detection settings such as distance, frequency, and if the detection is recorded to the cloud from this page.

4.3 – How to set an activity zone:

An activity zone will determine where in the frame that the camera detects motion, motion that occurs outside of the activity zone will not be detected/recorded as an event.

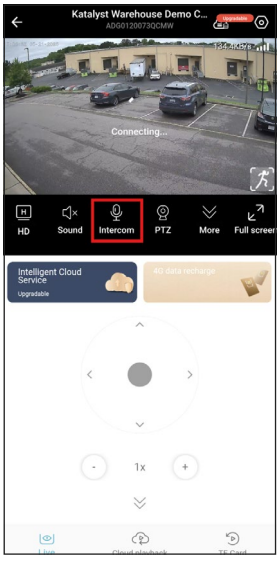
1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on More under the video player, then click Activity Zone.
3. Use the Smear tool to select the area of the frame that you would like to NOT be included in the activity zone.
4. Use the Eraser tool to remove any currently blocked sections that you would prefer to be included in the activity zone.
    a. *Note: Sections covered in blue will NOT be included in the activity zone.*
5. Once you have your activity zone set, click Save at the top right of the screen.



4.4 – How to speak through the camera as an intercom:

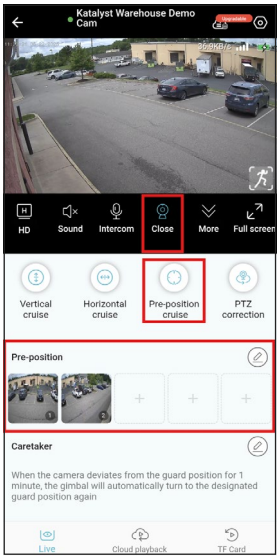
You can use the intercom function in the O-KAM Pro app to speak into your phone and through the camera speaker.

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to use.
2. Click microphone icon labeled Intercom, from here you should be able to speak into your phone and your voice will be broadcast out of the speaker on the camera.



4.5 – How to preset camera positions and enable panning:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on the camera icon labeled PTZ.
3. From here you can set the camera to pan up and down (vertically) by clicking Vertical Cruise, side to side (horizontally) by clicking Horizontal Cruise, or to switch between preset positions by clicking Pre-position Cruise.
4. (Only relevant for pre-position cruise) To set a pre-position simply pan to the angle you would like to set and click the box with a + in it below Pre-position. You can set up to five positions for the camera to switch between while in pre-position cruise.



4.6 – How to enable the alarm function:

You can configure the camera to play a message or alarm sound when it detects motion.

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on the hexagonal gear icon at the top right of the screen to open System settings.
3. Click on Notification Settings then Camera Siren.
4. Click on the slider labeled Alarm sound switch to enable the alarm function.
5. Once you enable the alarm function you can select from a list of messages, alarm sounds, or manually set your own message to play when motion is detected.

4.7 – How to manage the battery mode:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on the hexagonal gear icon at the top right of the screen to open System settings.
3. Click on Working Mode. From here you can manage the power saving mode that the camera operates on as well as edit the events that would cause the camera to wake up.

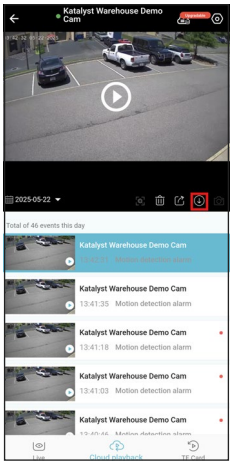
4.8 – How to enable person tracking and framing:

Enabling Person tracking will direct the camera to pan to follow a person that is detected in frame. Enabling Human frame will direct the camera to put a red square outline around detected persons.

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on More under the video player.
3. To enable person tracking simply click on the icon labeled Person tracking. To enable an outline to be displayed around a person detected simply click Human frame.

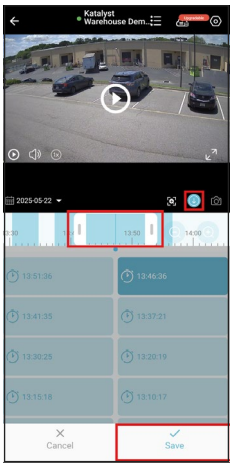
4.9 – How to access and save recorded events:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to manage.
2. Click on Cloud playback at the bottom of the screen. From here you can see all the events (motion activity) that the camera recorded within the last three days.
3. To save a recording of an event simply select the recording and press the icon of a circle with a downward pointing arrow to download the file to your device.



4.10 – How to access and save TF card footage (last two days of feed):

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click TF Card at the bottom right of the screen. From here you can access all footage saved to the TF card. By default, the device saves the last 2 days of uninterrupted footage to the TF card.
3. To save TF card footage click the circle with a downward pointing arrow under the video player. You will then be prompted to select a time frame to save, select your desired time frame and click Save then Yes.



4.11 – How to change the SIM or TF card:

1. Unscrew the two small screws on the bottom of the camera module and take off the plastic panel to expose the SIM and TF card slots.
2. If there is currently a card in the slot that you would like to replace, take it out.
3. Insert the new activated SIM card into the SIM slot or the TF card into the TF slot. You should not try to install a SIM card into the TF slot or a TF card into a SIM slot.

4.12 – How to restart the Hawk:

1. Navigate to the O-KAM Pro app Homepage and select the camera you would like to edit.
2. Click on the hexagonal gear icon at the top right of the screen to open System settings.
3. Click on Device Settings.
4. Click Restart Device then press Confirm to restart the device.

5.0 – Katalyst One-Year Limited Warranty

Katalyst warrants that its hardware products are free from defects in materials and workmanship under normal use for a period of one (1) year from the original purchase date.

5.1 – Warranty Coverage

This warranty covers the following when the product is used as intended:

- Defects in materials or workmanship
- Hardware component failure not caused by misuse
- Manufacturing defects present at time of shipment
- Issues resulting from normal use under standard operating conditions

If a valid claim is made within the warranty period, Katalyst will, at its discretion:

- Repair the defective product
- Replace the product with a new or refurbished unit
- Provide an equivalent solution

All warranty claims must be submitted through the authorized reseller where the product was purchased.

5.2 – Not Covered

This warranty does not cover the following:

- Damage from misuse, neglect, or improper installation
- Exposure to liquid, extreme temperatures, or environmental conditions outside stated operating specs
- Normal wear and tear (e.g., cosmetic scratches)
- Third-party modifications or repairs
- Use of non-Katalyst power supplies, antennas, or accessories
- Products with altered, removed, or defaced serial numbers or labels
- Software, firmware updates, error free operation or data loss
- Incidental or consequential damages (e.g., loss of revenue, downtime)
- Devices with removed or altered identification labels

5.3 – Additional Terms

- This warranty is non-transferable and applies only to the original purchaser.
- Must have valid proof of purchase
- Warranty support is only available through authorized resellers.
- Shipping costs for warranty service may not be covered.

For any questions, contact your reseller directly.