AGM CONNECT

Mobile Application for AGM Global Vision Thermal, Digital, and Multispectral Devices

USER MANUAL

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http://app.agmglobalvision.com/terms

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1 INTRODUCTION

1.1 OVERVIEW

The **AGM Connect** mobile app is designed for AGM Global Vision's thermal imaging, digital, and multispectral devices. It allows users to view live video feeds, control devices remotely, download photos, update firmware, and access technical support directly from their smartphones or tablets. With AGM Connect, you can customize your device settings for specific scenarios like search and rescue or night hunting. Supported devices include handheld thermal and digital scopes, monoculars, and binoculars.

1.2 SYSTEM REQUIREMENTS

- **Android:** Android 7.0 or later
- **iOS:** iOS 13.0 or later
- **iPadOS:** iPadOS 13.0 or later

1.3 CONVENTIONS

To keep this guide concise, the AGM Connect mobile app is referred to as the "Mobile Client," and handheld thermal and digital scopes, monoculars, or binoculars are referred to as the "device" in the following chapters.

2 APP INSTALLATION AND DEVICE CONNECTION

2.1 APP INSTALLATION

Search Search for the **AGM Connect** app in the App Store (iOS) or Google Play (Android), and install the app on your mobile device.

Google Play Store

Apple App Store

2.2 CONNECTING TO A DETECTED ONLINE DEVICE

To control your AGM optic remotely, connect your smartphone or tablet to the device's built-in Wi-Fi hotspot.

NOTE:

- **The distance between the device and your phone should not exceed 10 meters (approx. 33 feet).**
- **A single device supports up to three simultaneous mobile app connections.**

1. Turn on the Wi-Fi hotspot feature in the main menu of your AGM device.

NOTE:

For detailed instructions, refer to your device's user manual.

2. Open the Wi-Fi settings on your mobile phone or tablet.
3. Go to **Wi-Fi** (or **Connections** > **Wi-Fi**) and make sure Wi-Fi is enabled.
4. Select your device's network name from the list of available networks. The network name (SSID) will appear as **"Wlan-<Serial No.>"**.
5. Enter the Wi-Fi password when prompted and tap **Connect.**

NOTE:

The default password consists of the last 9 digits of your device's serial number. Please note that the characters are case-sensitive.

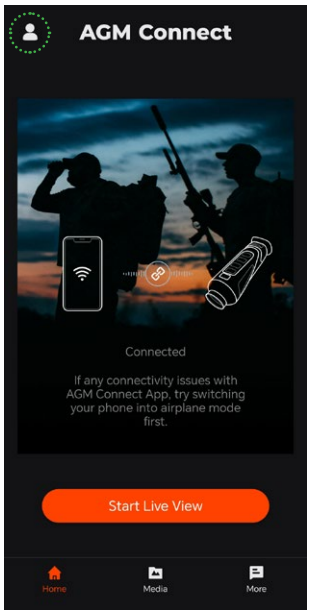
6. Launch the **AGM Connect** app on your mobile device.
7. The application will automatically detect the online device and establish a connection. You can now access live view, manage settings, and view media files.

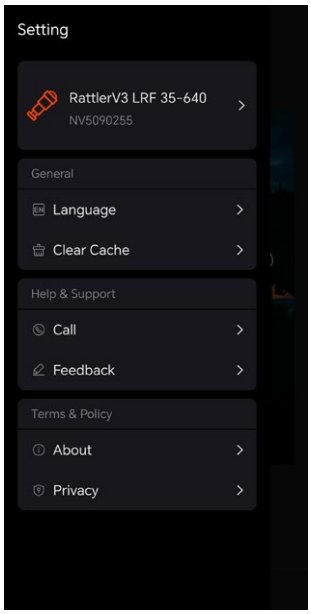
3 SETTINGS

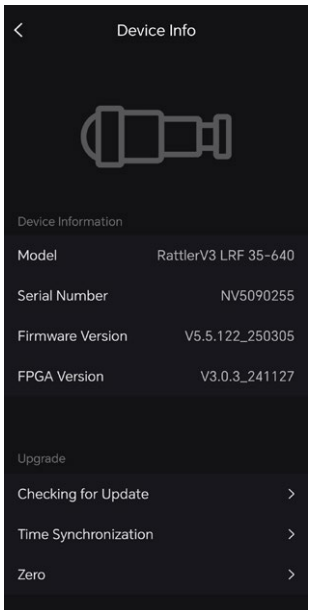
3.1 GENERAL SETTINGS

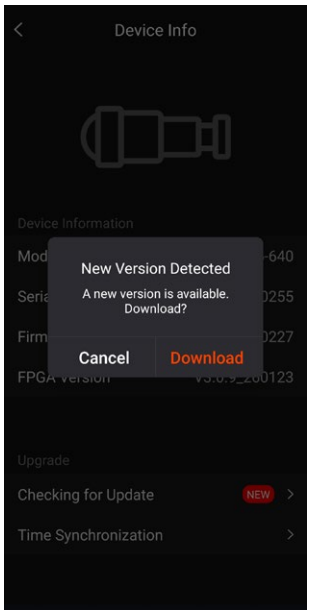
In the **Setting** menu, you can configure general app preferences and contact AGM technical support.

1. Tap the **Setting** icon in the top-left corner of the app's **Home** screen to open the **Setting** menu.
2. Select **Language** to choose the app interface language.
3. Select **Clear Cache** to clear the app's cached data.
4. Select **Call** to contact AGM Support by phone.
5. Select **Feedback** to send an email about the app or visit the AGM Facebook page.
6. Select **About** to view information about the AGM Connect app.
7. Select **Privacy** to view the Privacy Policy and App Permissions.









3.2 DEVICE INFO

Once your device is connected via Wi-Fi hotspot, you can view its model information, serial number, and current firmware version. You can also check for firmware updates and install them on your device.

Select the connected device from the list to view the **Device Info** screen.

1. Device Information

In this section you can view technical details about your connected AGM optic:

- Hardware Model Name
- Device Serial Number
- Current Firmware Version

2. Checking for Updates

To check for and install the latest firmware for your thermal/digital device, follow these steps:

1. Disconnect from the device's hotspot and connect your mobile device to an internet network (Wi-Fi or cellular data).
2. Open the **Device Info** screen. If a new firmware version is available, a **NEW** icon will appear.
3. Tap **Download** to save the new firmware file to your mobile device.
4. Reconnect your mobile device to the thermal/digital device's hotspot (as described in Section 2.2).
5. In the settings menu, select **Checking for Update** and confirm by tapping **Upgrade**. The app will begin transferring the new firmware file to the device.

IMPORTANT:

Do not close the app or disconnect the device while the transfer is in progress.

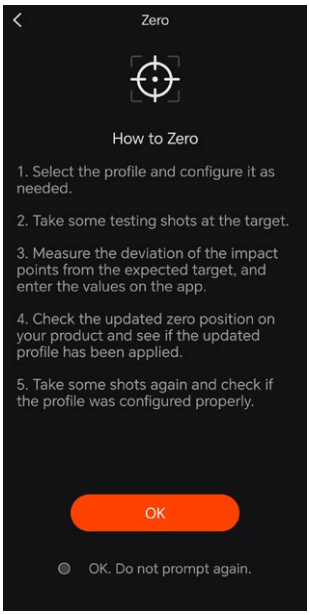
During installation: The device will automatically install the update and restart. A progress bar will be displayed on the device's screen. **Do not press any buttons** on the device until the installation is complete.

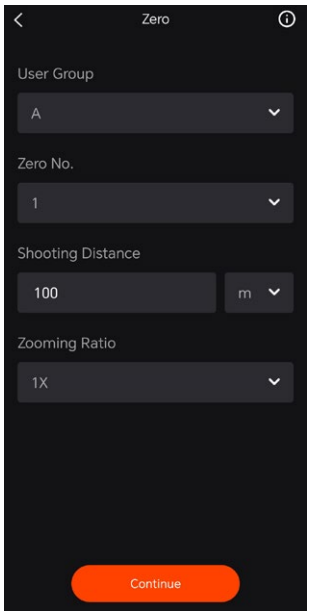
3. Time Synchronization

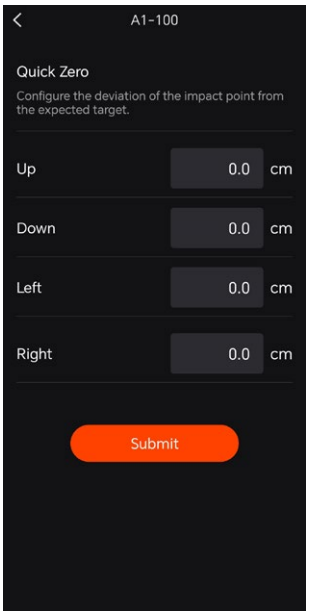
Tap this option to automatically sync the date and time of your AGM hardware device with your smartphone or tablet clock. This ensures all captured media files receive accurate timestamps.

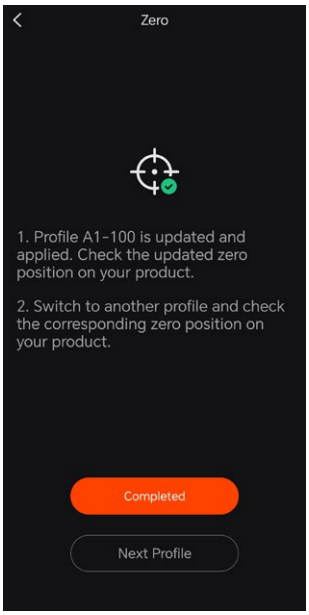
3. Zero (for Scopes/Sights)

For riflescopes, the app features a dedicated zeroing function. Go to the **Device Info** menu, navigate to the Upgrade section, and select **Zero**. Follow the on-screen instructions to create and save a zeroing profile directly to your scope.







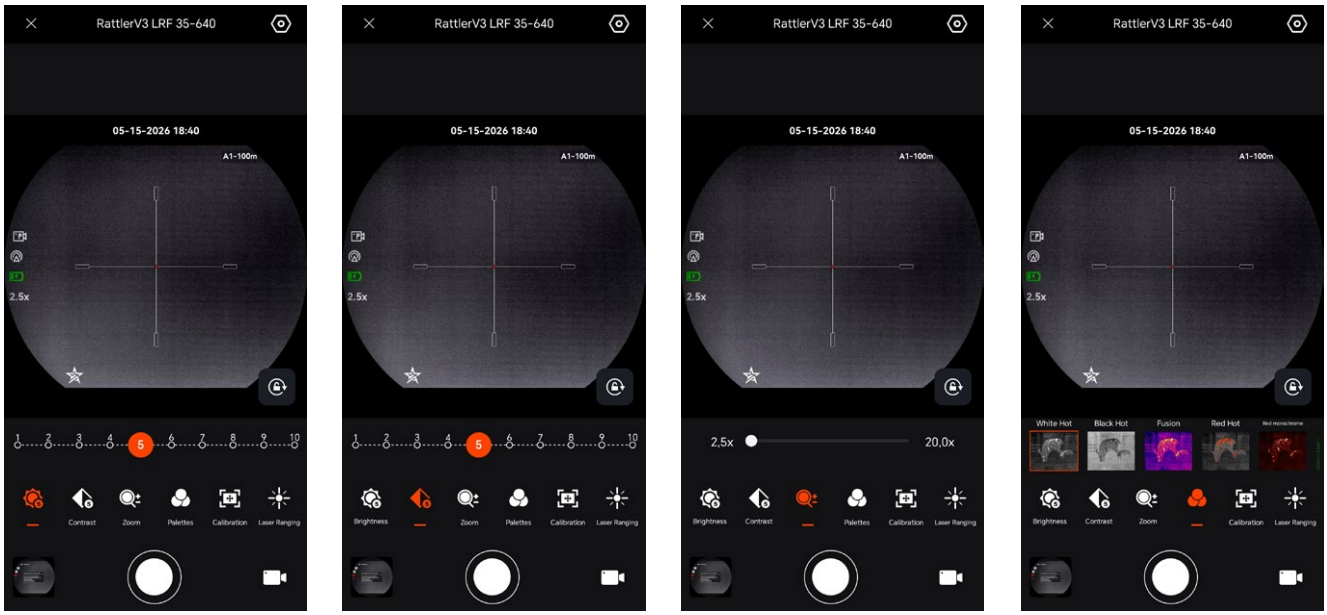


4 LIVE VIEW MODE

When your device is connected, tap the **Start Live View** button to mirror the device's screen in the app in real time.

In the **Live View** mode you can view real-time imagery from the device's sensors directly on your mobile device. You can adjust image settings — such as brightness, contrast, zoom, and color palettes — as well as capture video and photos directly to your phone or tablet's storage. For compatible devices, additional features are available, including thermal sensor calibration, distance measurement via laser rangefinder (LRF), and more.

You can rotate your mobile device horizontally, and the app interface will automatically switch to landscape orientation.



4.1 ADJUSTING IMAGE BRIGHTNESS

Adjust the brightness of the live video feed. You can choose from ten brightness levels to make the image lighter or darker.

Tap the **Brightness** icon and select a level on the scale below the live view. The higher the number, the brighter the image.

4.2 ADJUSTING IMAGE CONTRAST

Adjust the contrast of the live video feed. You can choose from ten contrast levels to enhance image definition.

Tap the **Contrast** icon and select a contrast level on the scale below the live view. The higher the number, the higher the image contrast.

4.3 ADJUSTING IMAGE MAGNIFICATION

Tap the **Zoom** icon and adjust the magnification on the scale below the live view. Zoom in until the target is clear. In the AGM Connect app, you can adjust the magnification in 0.1x increments.

4.4 SELECTING A THERMAL IMAGING COLOR PALETTE

AGM optics feature multiple display modes to optimize targeting under various environmental conditions.

Tap the **Palette** icon and select a palette mode:

White Hot

Hotter areas appear white. The higher the temperature, the lighter the color.

Black Hot

Hotter areas appear black. The higher the temperature, the darker the color.

Fusion

Hotter areas appear white. From highest to lowest temperature, the image gradients from white to yellow, red, pink, and purple.

Red Hot

The hottest areas appear red, while the rest of the image is displayed in shades of gray.

Red Monochrome

The entire image is displayed in shades of red. The higher the temperature, the brighter the color.

Green Monochrome

The entire image is displayed in shades of green. The higher the temperature, the brighter the color.

4.5 THERMAL IMAGE CALIBRATION

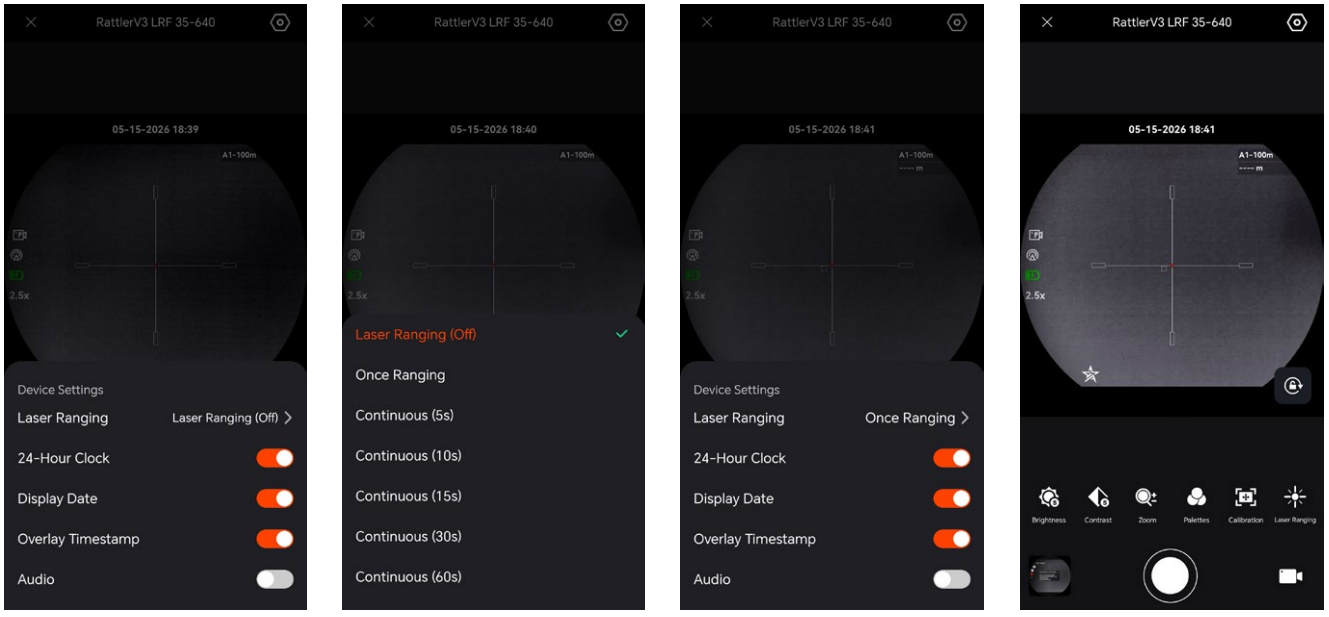
The image calibration function performs a **Flat Field Correction** (FFC), which is required for all thermal imaging devices. FFC corrects display non-uniformity. During this process, an internal shutter drops in front of the thermal detector. You will hear a “click” sound, and the live view will pause for a split second. Once complete, the detector is recalibrated, resulting in a clearer and more accurate image.

Tap the **Calibration** icon to correct display non-uniformity.

4.6 LASER RANGEFINDER

If your device is equipped with a laser rangefinder (LRF), you can enable distance measurement through the app.

1. Tap the **Settings** icon in the top-right corner of the app’s Home screen to open the **Device Settings** page.



2. Tap **Laser Ranging** and select an LRF mode from the list.

You can choose between **Once** (single measurement) or **Continuous** scanning for 5, 10, 15, 30, or 60 seconds. Continuous scanning will remain active for the selected duration after you press the LRF button.

3. Aim the rangefinder reticle at the target and tap the **Laser Ranging** button to measure the distance. The measurement results will appear on the screen and disappear after 10 seconds.

4. To turn off the laser, select **Laser Ranging (Off)** in the **Device Settings**.

4.7 DEVICE SETTINGS

Tap the **Settings** icon in the top-right corner of the app's Home screen to open the **Device Settings** page. In the settings menu, you can configure the following options:

24-Hour Clock - Sets the time display to a 24-hour format.

Display Date - Enables the date display on the screen.

Overlay Timestamp - Displays the date and time on recorded images and videos.

Audio - Enables audio recording with video.

4.8 VIDEO RECORDING AND IMAGE CAPTURE

You can capture and record activities directly from the live video feed.

Capturing a Photo

Tap the **Camera** button on the screen. The current frame will be captured as a high-resolution photo and saved to the app's internal media folder.

Recording a Video

Tap the **Record** icon to begin capturing video. A recording timer will appear on the display.

Tap the **Record** icon again to finish recording. The video file will be saved automatically to the app's internal media folder.

All recorded videos and captured photos can be viewed and managed on the app's **Media** page. For details, refer to the **Picture and Video Management** section.

5 PHOTO AND VIDEO MANAGEMENT

On the app's **Media** screen, you can view, manage, or share recorded videos and captured images.

5.1 MEDIA FILE DISPLAY AND SELECTION

1. Tap the **Media** icon at the bottom of the app's main screen. All captured pictures and recorded video footage will be displayed on the screen as thumbnails, grouped by their creation date.

2. At the top of the screen, select **Local** to view media files saved in your phone or tablet's local storage. Select **Device** to view media files stored on the device itself (provided it is connected).

3. Tap the three-dots icon in the upper-right corner of the screen to filter the file types. Select one of the three options from the drop-down menu: **All**, **Pictures Only**, or **Videos Only**.

4. Tap **Select** in the upper-right corner of the screen to choose files for further actions.

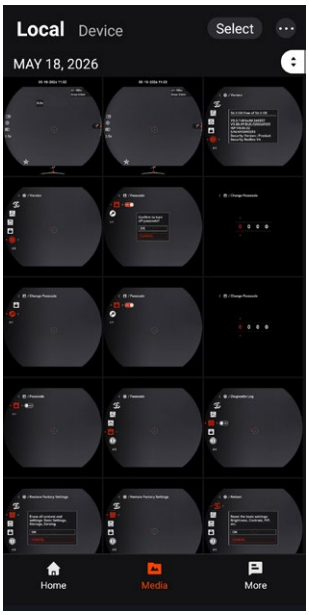
5. Tap a thumbnail to select or deselect a file. A green checkmark circle will appear in the upper-right corner of each selected file. You can select all files saved on a specific day by tapping that date in the list of available files. The total number of selected files is displayed at the top of the screen, where you can also choose **Select All** or **Cancel** to deselect all.

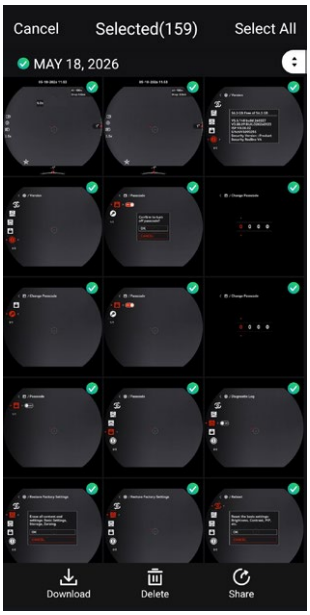
6. The following batch actions are available for the selected media files:

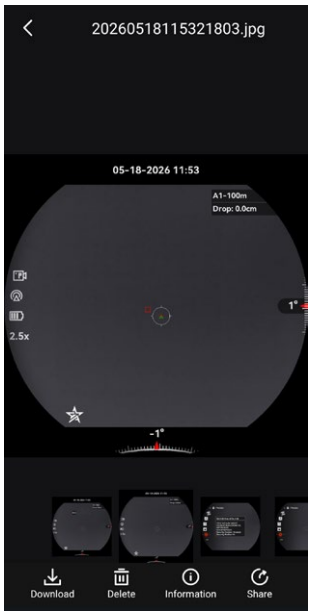
   Download – Downloads all selected files to your mobile device's local storage.

   Delete – Deletes all selected files.

   Share – Allows you to instantly share the selected files via messengers, social media, or email.







5.2 VIEWING PICTURES

1. Filter the files by selecting **All** or **Pictures Only**, as described in part 5.1.

2. Tap any thumbnail toopen the photo in full-screen mode. You can pinch to zoom in or out on the image. Swipe left to view the previous image, or swipe right to view the next one. You can also use the thumbnail preview strip at the bottom.

3. Control icons for managing the displayed file are located at the bottom of the screen:

Download – Downloads current file to mobile device's local storage.

Delete – Deletes the picture currently on screen.

Information - Displays the file name, creation date, and image dimensions.

Share – Allows you to instantly share the picture via messengers, social media, or email.

5.3 VIEWING VIDEOS

1. Filter the files by selecting **All** or **Videos Only**, as described in part 5.1.

2. Tap a video thumbnail to launch the built-in media player. Tap the triangle icon in the center of the screen to start playback. Tap the center of the screen again to pause it.

3. Control icons for managing the displayed file are located at the bottom of the screen:

Download – Downloads current file to mobile device's local storage.

Delete – Deletes the video currently on screen.

Information - Displays the file name and creation date.

Share – Allows you to instantly share the downloaded video via messengers, social media, or email.

6 MORE INFORMATION

Tap the **More** icon at the bottom of the app's main screen for additional information about AGM Global Vision devices. You will be redirected to the **www.agmglobalvision.com** website (internet connection required).

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