GV-Patrol Mobile App

Contents

Scan the following QR codes for product warranty and technical support policy:
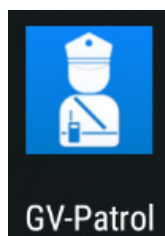
[Warranty]   [Technical Support Policy]

Introduction

By utilizing GV-AS ID cards as movable patrol points, GV-Patrol mobile app allows you to set up and perform patrol tours that can be applied to a wide range of surveillance environments with unparalleled flexibility.

System Requirements

OS	Android 6.0 or later ● NFC required
GV-ASManager	V5.1.0.0 or later
Default Port Settings	GV-ASManager: 443 (HTTPS)
Applicable ID Cards	**Frequency** 13.56 MHz **Code Type** Wiegand26 / Geo64 ● GV-AS ID Card ● GV-AS ID Key Fob ● GV-Patrol Tag ● 3rd-party MIFARE smart cards with NFC support
Note: Throughout this guide, GV-AS ID Card refers to GV-AS ID Card, GV-AS ID Key Fob and GV-Patrol Tag.	

Licensing

Minimum License	4 controllers
Maximum License	1000 controllers
Increment for Each License	1 controller
Optional Combination	GV-Controller + GV-Patrol
License Type	**GV-USB Dongle** External or Internal
	Software License GV-ASManager V5.3.0 or later only

1.   Configuring GV-ASManager

Prior to using GV-Patrol, the following settings need to be set on GV-ASManager:

- **Step 1** — Set GV-AS ID cards as patrol points at the site. See *1.1 Setting Patrol Points*.

- **Step 2** — Set patrol tours to be assigned to patrol personnel. See *1.2 Setting Patrol Tours & Personnel*.

Note:

1. To use the GV-Patrol virtual controller, a Patrol software/dongle license is required, which can be purchased at a minimum of 4 controllers, with increments of 1.

2. Each GV-Patrol virtual controller can manage up to 8 patrol points.

1.1   Setting Patrol Points

1. In the Device List 🗂, click **Add** ⊕ in the Controller section.

2. Type a desired name for the new controller, to manage your patrol points, select **GV-Patrol** as **Type** and click **OK**. This dialog box appears.

3. Select any one of **Place 1** ~ **Place 8** to enable a patrol point.

4. To set GV-AS ID cards as patrol points, select **Wiegand26** or **Geo64** as **Card Code** and type its **Card Number** into the respective field. For 3rd-party MIFARE smart cards, select and type the Card Code and Card Number accordingly.

5. To set multiple patrol points, repeat Step 3 & 4 with different cards.

6. Click **OK**. The patrol points are successfully configured.

7. Secure the patrol point cards at specific physical locations of the patrol site as desired.

1.2 Setting Patrol Tours & Personnel

1.2.1 Setting Patrol Personnel

Before setting patrol tours, the necessary patrol cards must first be set.

1. In the Card List [icon], click **New**. This dialog box appears.

2. Click **Assign User** 👤, select **Assign a new user** and fill in the necessary information of the patrol personnel. Alternatively select **Assign a user** to assign the patrol card to patrol personnel previously set.

3. To set a card as the patrol card, type the **Card Number** and select the appropriate **Card Code** accordingly.

4. Click **OK**. To define multiple patrol cards, repeat Step 1 ~ 4 with different cards.

For details on access ID cards and users, see *Setting Cards* and *Setting Users*, respectively, in Chapter 4, *GV-ASManager User Manual*.

1.2.2   Creating Patrol Tours

Once the patrol points are set, you can create patrol tours to require personnel to check in at the time periods specified.

1. In the Patrol Tour window 👮, click **Add** ⊕ to create patrol tours. Then select the desired day of the week to add patrol points.
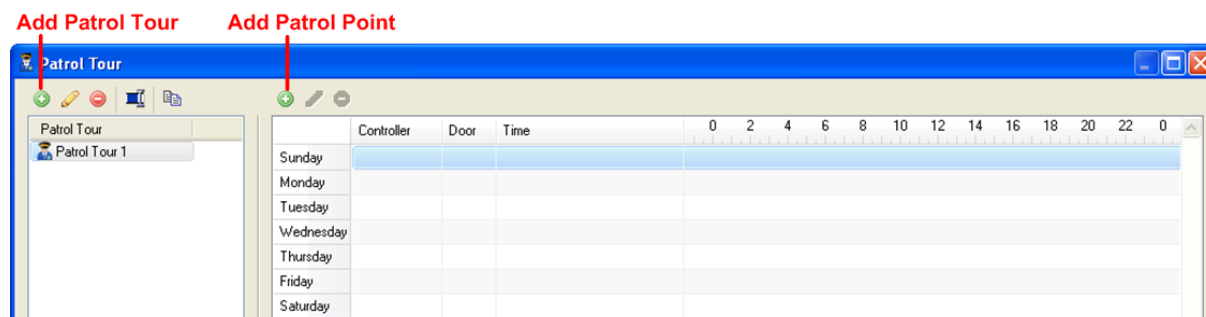
2. Select **GV-Patrol** as **Controller** and select the desired patrol point, predefined using GV-AS ID cards/fobs, from the **Door** drop-down list.

3. Define the **Time** the personnel need to check in at, from 0:00 to 23:59.

4. Specify the **Buffer Period**, in minutes, that is added to before and after the check-in time specified above. Checking in during the buffer period is registered as *on time*.

5. Specify the **Extended Buffer Period**, in minutes, that is added to before and after the buffer period. Checking in during the extended buffer period is registered as *early* or *late*.

6. Optionally type **Patrol Messages** that can be sent through e-mail or SMS when the check-in status is registered as on time, early, late or absent.

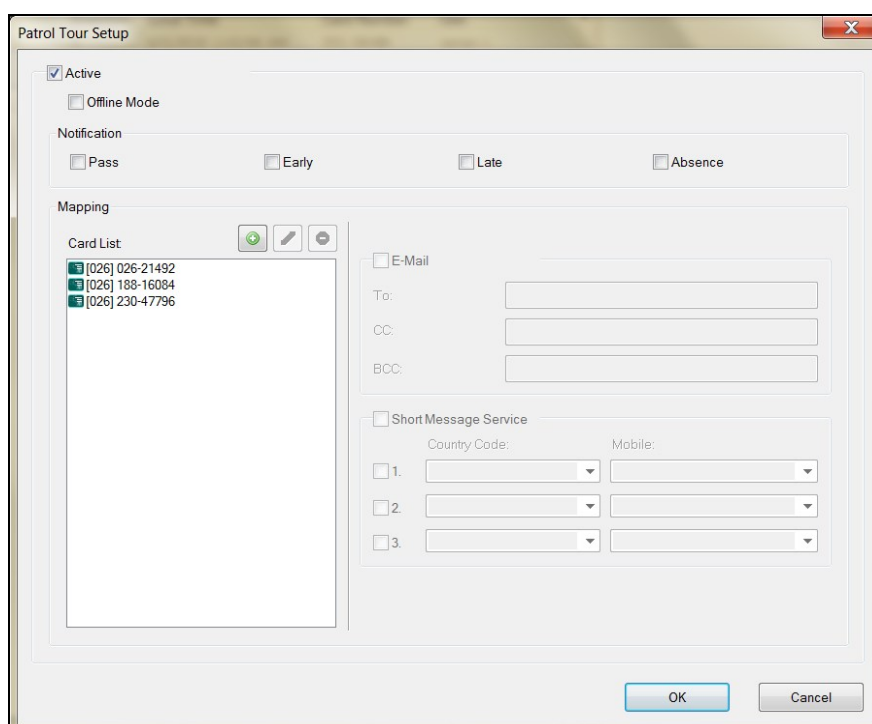7. Click **OK**. The patrol route is added to the patrol tour.

Add as many patrol routes as desired per patrol tour. You can also drag a patrol route to another day of the week to create a copy.

Note:

1. Checking in outside of the buffer and extended buffer periods will not be recorded.

2. When adding patrol tours, the **Group Patrol Tour** option only requires one of the assigned patrol personnel to check in at the patrol points during the times specified

1.2.3   Activating Patrol Tours

1. After the patrol tours and personnel are set, double-click the patrol tour in the Patrol Tour window. This dialog box appears.

2. Select **Activate** to enable the patrol tour and click **Add** ⊕ to assign the patrol tour to the desired personnel by their patrol cards.

3. Optionally select **Offline** for GV-Patrol to save the patrol records within the mobile app to be later uploaded to the GV-ASManager manually.

4. Click **OK**. The patrol tour is now activated.

For details on patrol tours, see *Chapter 7 Patrol Tour* in *GV-ASManager User Manual*.

2. Using GV-Patrol

After the necessary settings are configured on GV-ASManager, security personnel can begin to perform patrol tours by installing GV-Patrol on an Android mobile phone from **Google Play** and following the steps below:

- **Step 1** — Connect to GV-ASManager and log in with the desired patrol personnel. See *2.1 Setting Up GV-Patrol*.

- **Step 2** — Start patrol tours. See *2.2 Starting Patrol Tours*.

2.1 Setting Up GV-Patrol

Upon first-time accessing of GV-Patrol, the following main screen appears.

Main Screen
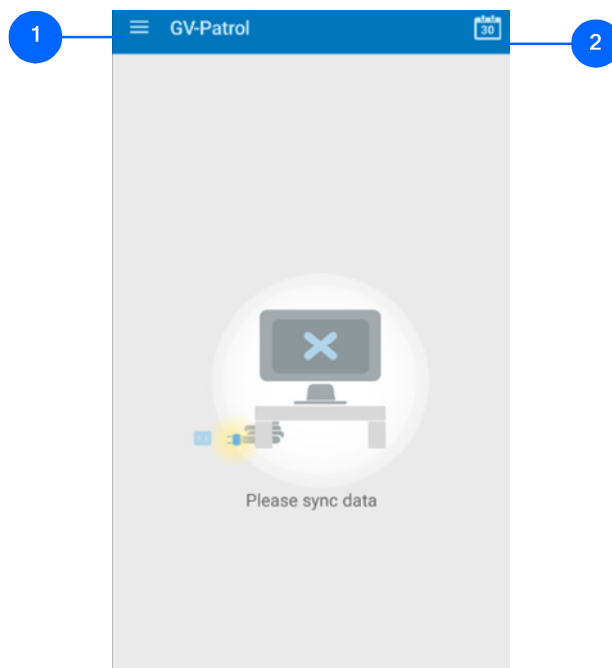
No.	Name	Description
1	Options	Access all available and past patrol tours and the settings page.
2	Date	Display the current date.

1. Tap **Options** and select **Setting**. The Settings page appears.

2. Type the **IP Address**, **HTTPS Port** and login **Account** and **Password** of the GV-ASManager. Then tap **Sync Patrol** to connect.
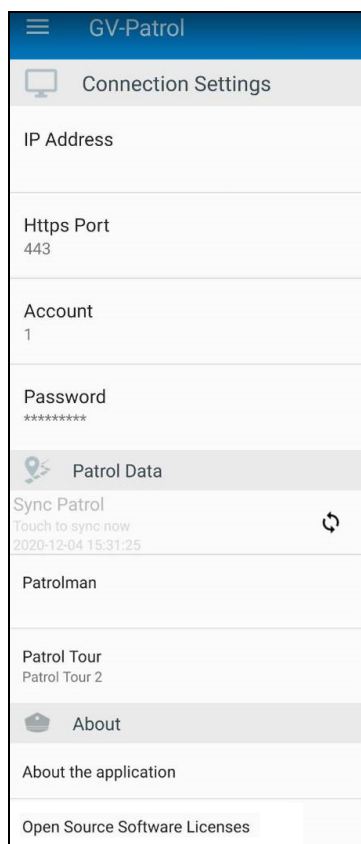
Note: For IP Address, you can type either an IP address or a domain name.

3. Once GV-Patrol is connected to GV-ASManager, tap **Patrolman** and scan the patrol card of a patrol personnel with the GV-Patrol to log in.

4. Tap **Patrol Tour** and select the desired patrol tour assigned to the patrol personnel currently logged in.

5. To log in with a different patrol personnel, log out by tapping **Patrolman** again and repeat Step 3.

Note: In the case of GV-Patrol not responding to patrol cards upon scanning with NFC being enabled, download and install an **NFC** tool app from Google Play to scan the cards again. If no data are shown on the app upon scanning, the NFC function of your Android mobile is either malfunction or incompatible with the specification requirements of GV-Patrol.

2.2 Starting Patrol Tours

To proceed with the patrol tour selected, tap **Options** and select **All Tours**. All of the patrol points and their patrol times within the tour are displayed in chronological order.
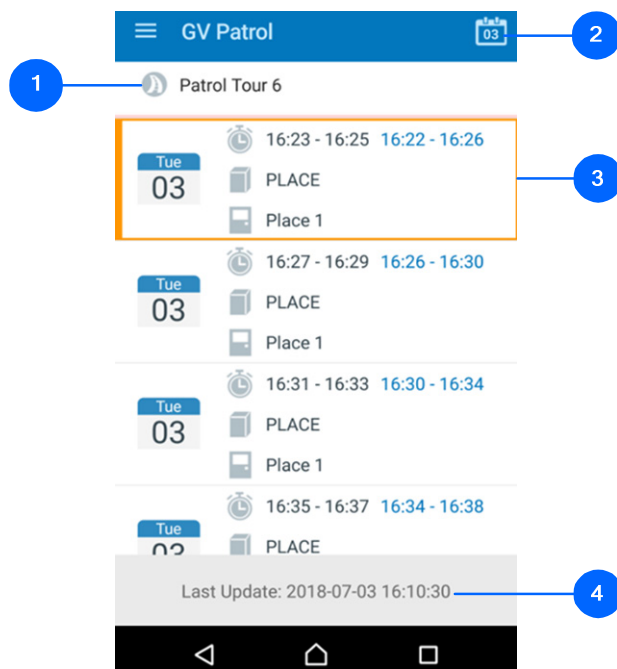
No.	Name	Description
1	Patrol Tour	The current patrol tour selected, with all of its patrol points listed below.
2	Date	Tap to jump to the closest patrol point requiring the patrol personnel to check in according to the current time.
3	Current/Next Patrol Point	The current/next patrol point requiring the patrol personnel to check in, according to time, is highlighted by a yellow box.
4	Last Update	Display the last time a patrol record was uploaded to the GV-ASManager.

[Patrol Point]

For each patrol point, the name of the patrol point and the time required to check in are displayed.
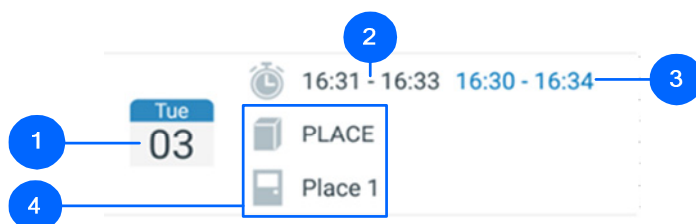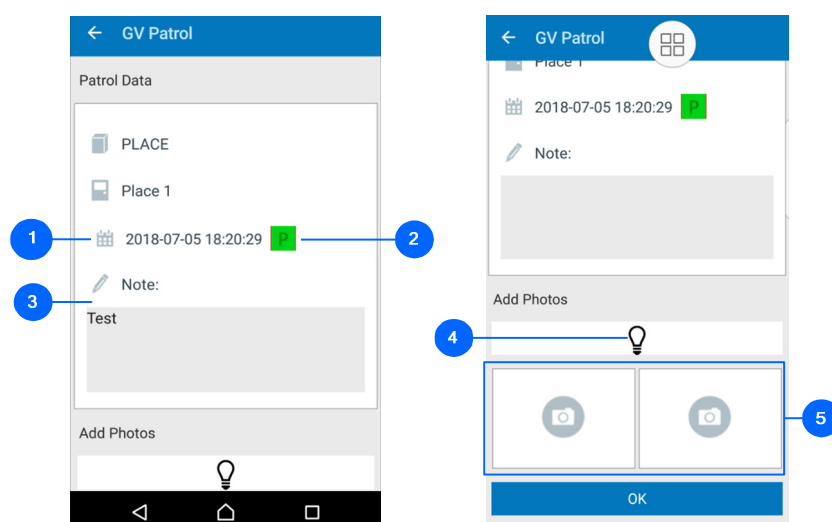
No.	Name	Description
1	Patrol Date	The date required to check in at the patrol point.
2	Patrol Time	The time required to check in at the patrol point. Checking in within the patrol time is recorded as *Pass*.
3	Buffer Time	Checking in within the buffer time but outside of the patrol time is recorded as *Early* or *Late*.
4	Patrol Point	Display the name of the patrol point and its controller as configured on the GV-ASManager.

2.2.1   Checking In at Patrol Points

1. To check in, go to the designated site at the **Patrol Time** specified.
2. Scan the patrol point card with GV-Patrol by placing your mobile into close proximity with the patrol point card. When scanning is successful, the Patrol Data page appears.


No.	Name	Description
1	Check In Time	The time in which the patrol point card is scanned.
2	Check In Status	Depending on the time the patrol point card is scanned, the check in status is recorded as *Pass*, *Early* or *Late*.
3	Note	Tap to type a note during checking in.
4	Light	Tap the **Light** icon to turn on the mobile's flashlight, if applicable.
5	Camera	Tap the **Camera** icon to take snapshots at the patrol site.

3. Optionally tap **Note** to type a patrol note and/or tap the **Camera** icon to take a snapshot to be included into the patrol record.

4. Tap **OK**. The patrol record is completed and automatically uploaded to the GV-ASManager when GV-Patrol has access to the Internet.


Note:

1. When patrol record(s) are temporarily saved on the GV-Patrol due to unable to upload them to the GV-ASManager, the following message appears.
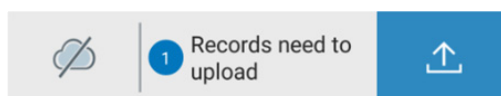
2. If Offline Mode is enabled for the patrol tour, the patrol record(s) must be uploaded to the GV-ASManager manually. See *1.2.3 Activating Patrol Tours*.

Patrol Status

On the All Tours page, all past patrol routes are color coded as illustrated below:
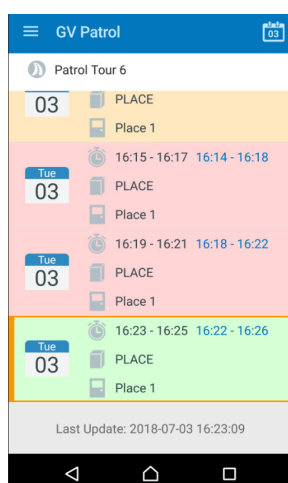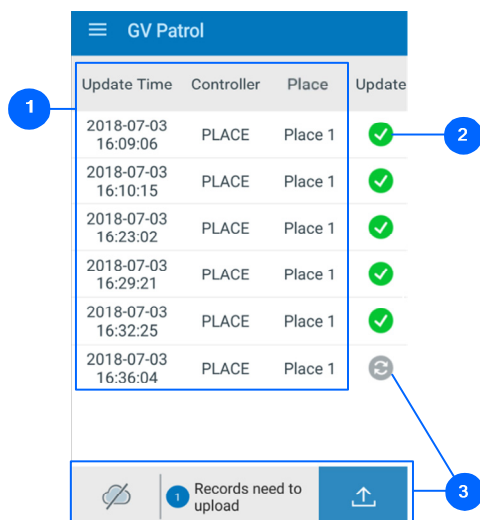

- ■ **Green:** The security personnel checked in on time — *Pass*.

- ■ **Orange:** The security personnel checked in outside of the patrol time but within the buffer time — *Early* or *Late*.

- ■ **Red:** The security personnel did not check in within the patrol and buffer time — *Absent*.

2.3 Viewing History

The History page display all of the past patrol records of the patrol personnel currently logged in, excluding absent records.

To view past patrol records, tap **Options** [icon] and select **History**

No.	Name	Description
1	Patrol Records	Display the patrol point and time the security personnel checked in at.
2	Update Status	A checkmark indicates that the patrol record is uploaded to the GV-ASManager.
3	Offline Records	Indicates specific patrol records that are yet to be uploaded to the GV-ASManager, either due to Offline Mode being enabled or unable to access the Internet.

Tap a patrol record to display its full Patrol Info, as illustrated below.