



License Plate Recognition (LPR) Unlock Integration Guide



Overview

Verkada is committed to building best-in-class solutions that provide the right level of security and a seamless user experience. Verkada's license plate recognition (LPR) unlock capabilities enable organizations to add license plates as an access credential type that can be used to grant entry at secure vehicle entrances. LPR unlock makes gate entry hassle free and helps reduce congestion as known vehicles arrive at a facility.

This guide provides an overview of the integration between compatible Verkada cameras and access controllers, providing detailed instructions on how to configure the integration and use LPR unlock day-to-day to secure vehicle entrances.

Requirements

To enable LPR unlock, organizations must:

- Properly deploy and configure a compatible Verkada camera (see the [LPR user guide](#) for best practices)
- Properly secure a vehicle entrance with a Verkada device capable of acting as an access controller

Once configured, LPR detections can be used as an unlock method for a vehicle entrance, opening the gate anytime an authorized license plate is verified by the access controller. For best results, both devices must be on the same local area network (LAN). Offline functionality may be limited if devices are spread across networks or on separate virtual LANs (VLANs).

License plates as credentials

License plates are available as a credential type within access control user profiles, inheriting all user credential properties such as access levels and schedules. When a license plate is read at a vehicle gate, a door event is generated that includes the plate captured. If the license plate is associated with a specific access user, the user's name and profile picture will be displayed. LPR unlock events tied to a specific access user will also populate under their individual access event history.

Key features

Leverage LPR to automatically unlock vehicle gates

LPR technology can be used to grant access to known vehicles. Organizations with cameras deployed in LPR mode can extend the functionality of these devices to physically control vehicle access to their facilities.

Provision and control access with a simple and intuitive platform

License plates are assigned to individual users as a credential type and inherit existing access levels and schedules. Easily limit a certain vehicle's access to specific gates at specific times.

Enhance parking lot security with maximum visibility

LPR unlock events populate in Command and include associated camera footage. Historical event logs and custom reporting tools provide detailed information about vehicle movements.



Use cases



Busy garages

Facilities like offices, hotels and schools can use LPR unlock to reduce congestion at busy entrances.



Facilities for large vehicles

LPR unlock can make it easier for buses and trucks to access a facility, especially if the drivers of these larger vehicles cannot easily reach badge readers.



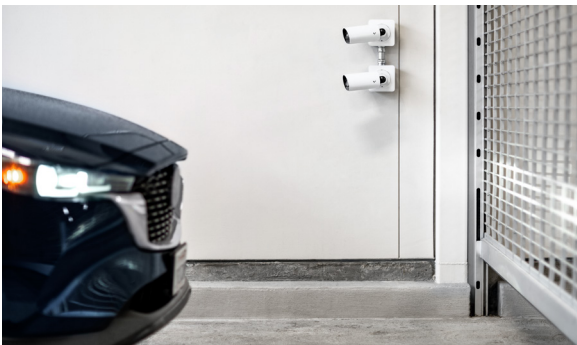
Access for guests at gated facilities

Gated communities and facilities can use LPR unlock to provide simplified access to guests and other temporary visitors.



Private parking lots

LPR Unlock can help keep unknown vehicles out, securing private parking lots from car theft or unapproved use of EV charging stations.



Additional parking lot security

Verkada's LPR and access control technology can improve the security of a parking lot with proactive intrusion and unrecognized plate alerts.



Organizations with many garages

Organizations with multiple parking garages and many access profiles can streamline operations with LPR unlock.

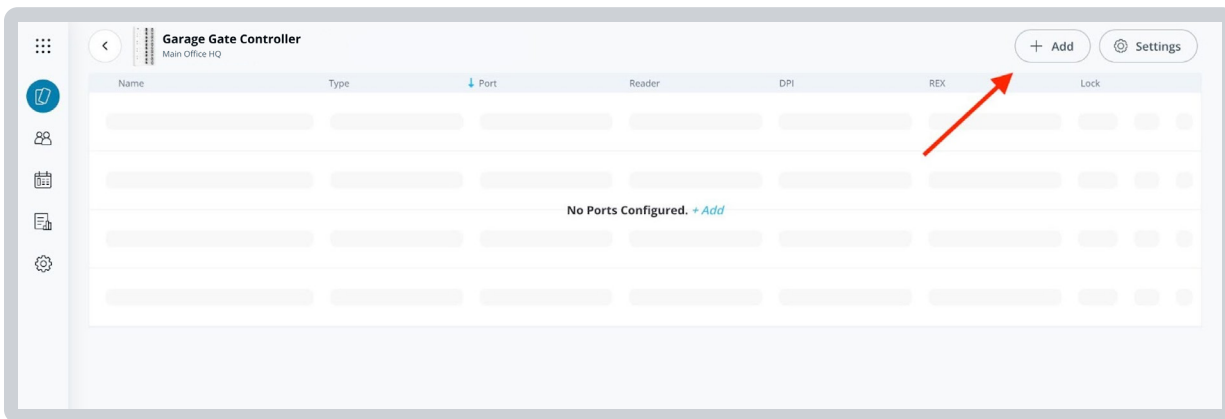


Enable LPR unlock

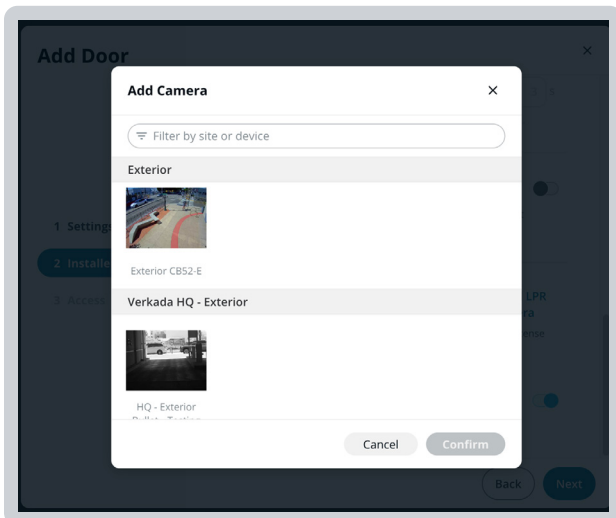
To set up an LPR camera to unlock a door, users can either add an LPR camera during door setup or on the door settings page. The two flows are illustrated below:

Door setup

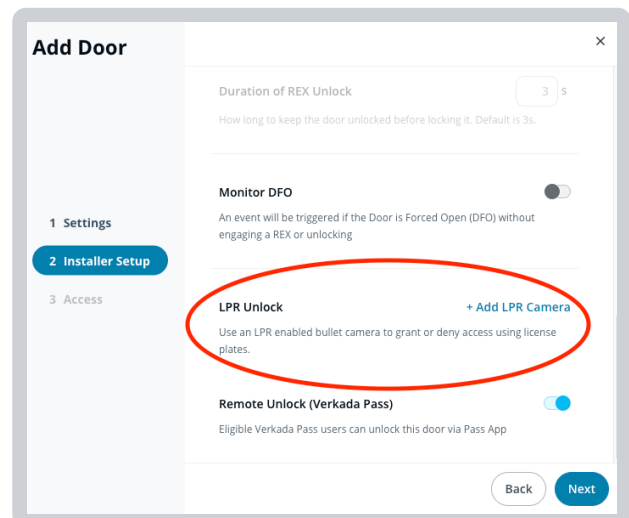
1. Go to the **Devices** page.
2. Select the access controller that you want to set up for LPR unlock options.
3. At the top right, click **Add**.



4. In the **Add Entity** modal, continue with the setup until you reach the **Installer Setup** screen.
5. Scroll down to **LPR Unlock**. Click **Add LPR Camera** to add an LPR camera as an unlock method for this door.



6. Add the LPR camera that you want to use to unlock this door.



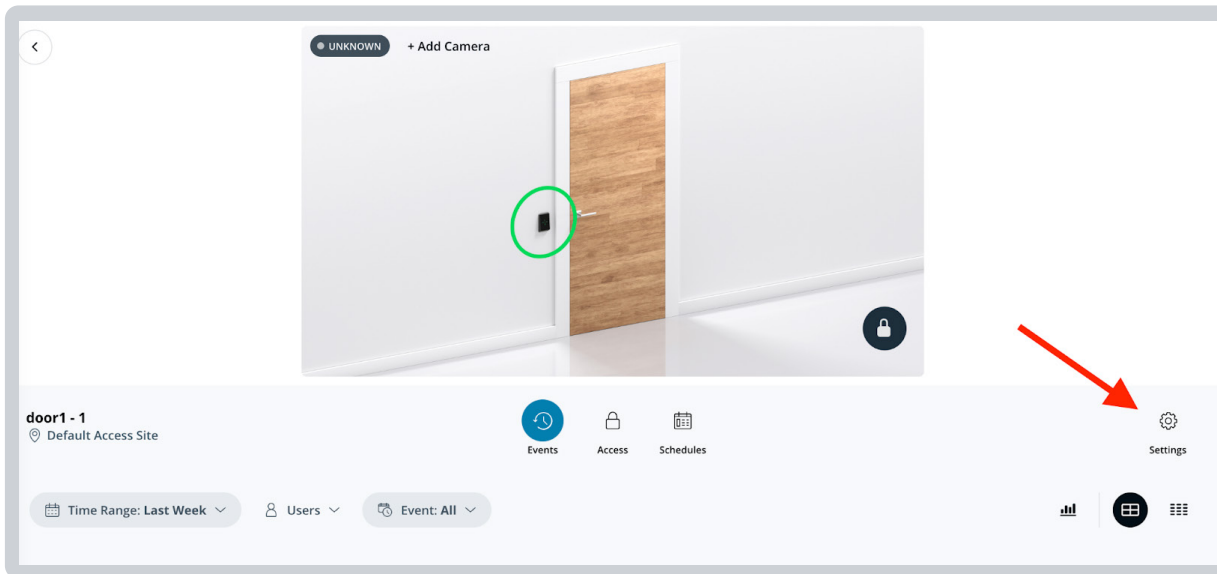
7. Click **Confirm** to save your changes, and continue with the setup. Your door will be initialized with an LPR Camera attached to it.



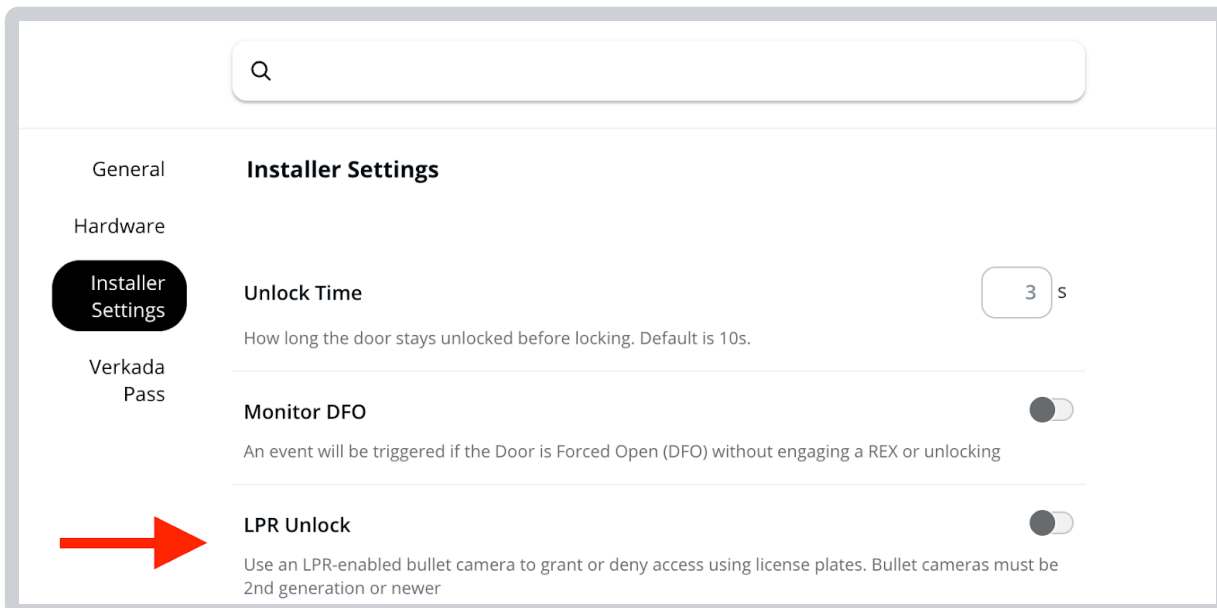
Enable LPR unlock

Door settings

1. Go to the Door page and click the **Settings** icon.



2. Scroll down to the **Installer Settings** and toggle to turn on the **LPR Unlock** feature on the door.



3. Click **Add Camera** and choose any of your LPR cameras. You also have the option to set a given camera as an interior or an exterior camera for the door.

4. Click **Confirm** to save your changes.



Add LPR as a credential

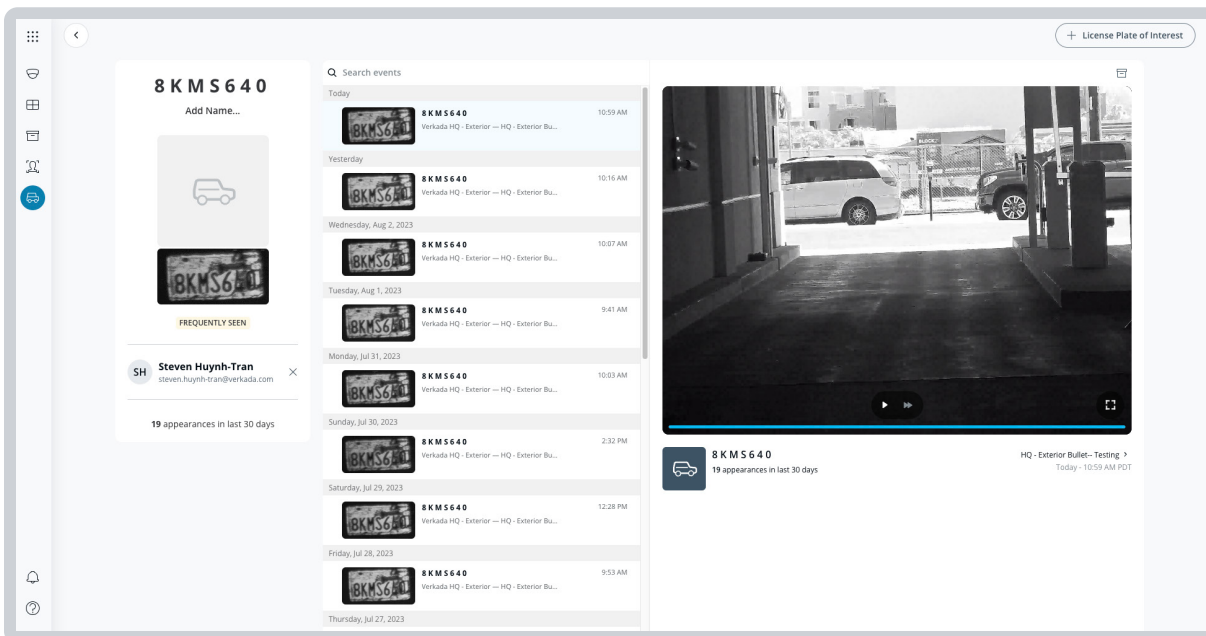
To avail any utility from this feature, Command Admins must first be able to assign license plates as a user credential. There are 3 main ways this can happen:

CSV uploads

Verkada's existing comma-separated value (CSV) upload function now has expanded functionality. You can enter a list of comma separated license plate numbers into the **LicensePlateNumbers** column of the CSV file.

On the cameras license plate feed

1. Go to <https://command.verkada.com/license-plate>.
2. Select any of the license plates. This should take you to the license plate-specific page (see below).



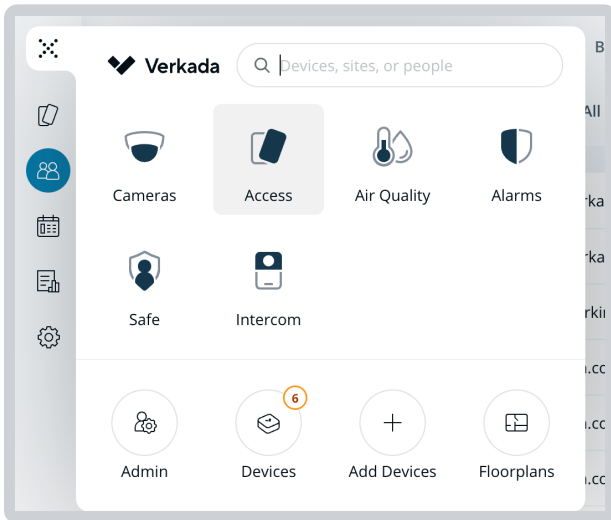
3. Click **Assign Access User**, search for the user you want to associate with the license plate, and select that user. You are redirected to the license plate-specific page (as shown below).



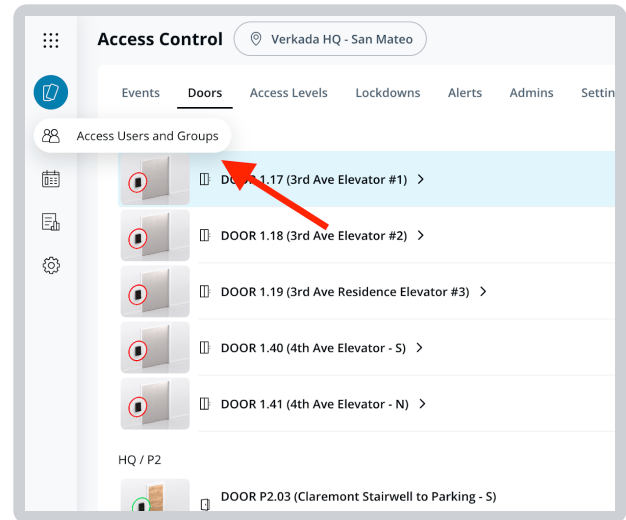
Add LPR as a credential

On a user's access profile

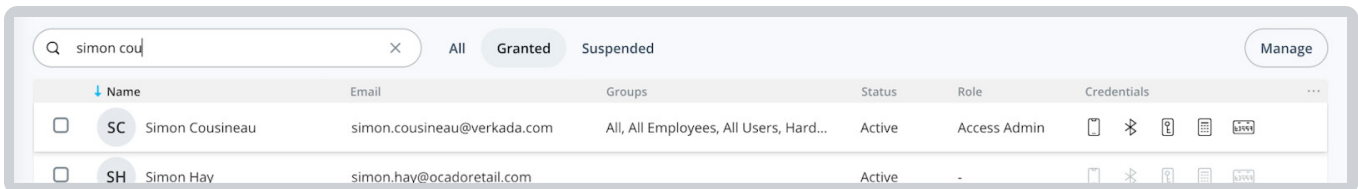
1. In Verkada Command, navigate to **Access**.



2. Click the **Access Users and Groups** side icon.

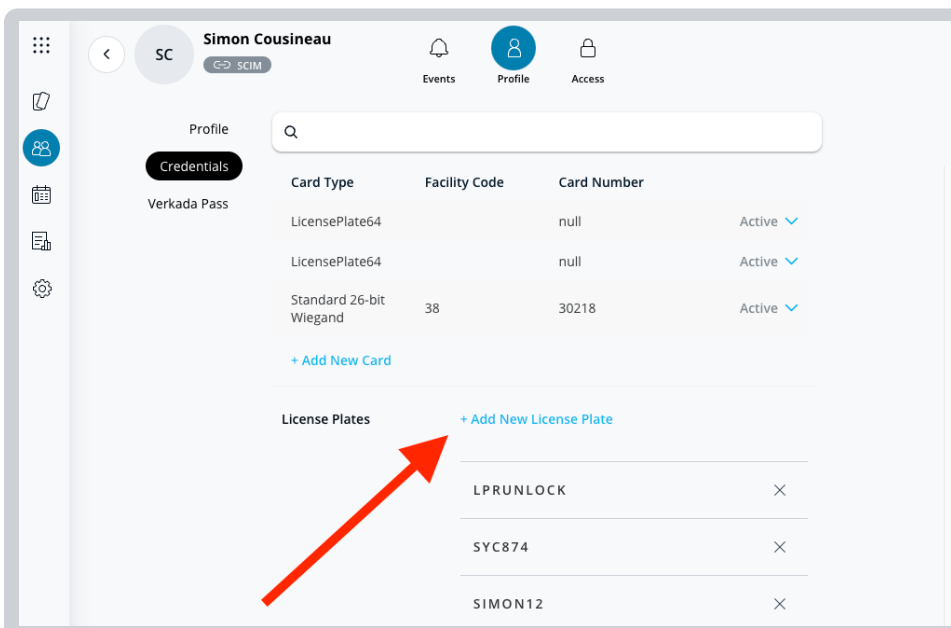


3. From the list of access users, click the user you want to add a license plate to.



4. Click **Profile** to go to their **Credentials**.

5. Click **Add New License Plate** to add new license plates to the user.

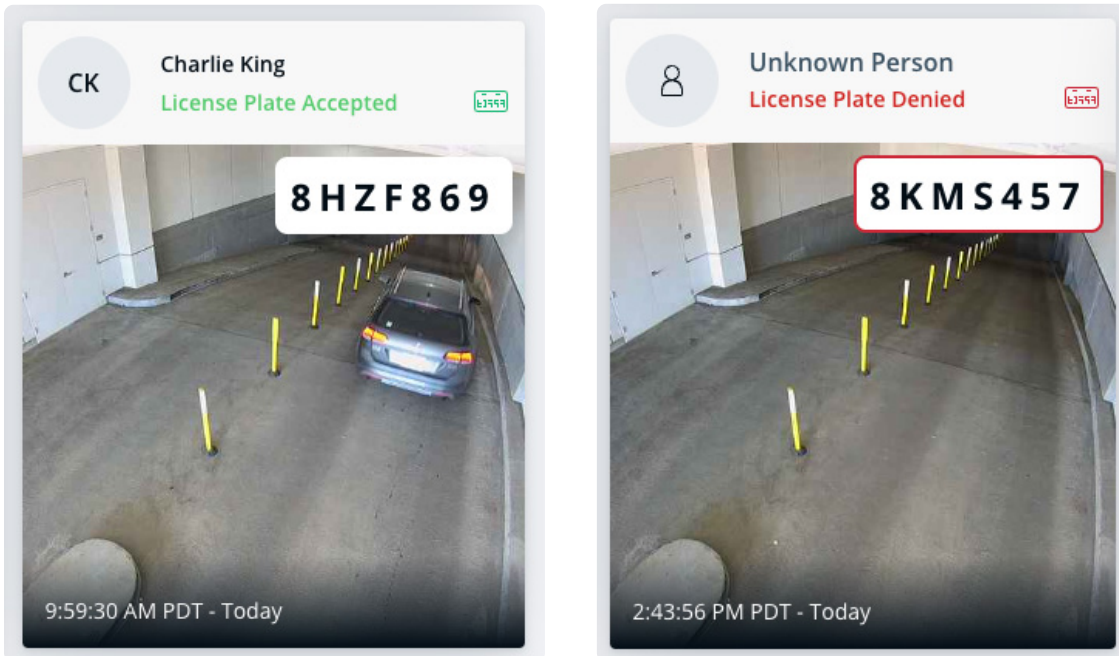




New LPR events

The introduction of this feature leads to the creation of 2 new kinds of events:

- **License Plate Accepted** (see left image)
- **License Plate Denied** (see right image)



When you click the license plate number on these events, you are redirected to the **License Plate** page, where you can perform more actions, such as looking at past events or assigning an access user to the license plate.

