◆ **Verkada**

License Plate Recognition Unlock Integration Guide

Overview

Verkada is committed to building best-in-class credentials that provide the right level of security and the most seamless user experience. Verkada License Plate Recognition (LPR) Unlock extends Verkada's LPR capabilities by adding license plates as an access credential type that can be used to unlock garage entrances. LPR unlock makes gate entry hassle-free and helps reduce congestion at entrances.

This guide provides an overview of the LPR integration and provides detailed instructions on how to configure the integration and use LPR unlock day-to-day to secure entrances.

Requirements

To enable LPR unlock, organizations must:
- Properly deploy and configure LPR-enabled CB52 or CB62 cameras.
- Properly secure garage entrances with a Verkada access controller.

Once configured, LPR camera results can be used as an input method for a door, unlocking that door 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).

What's new

License plates are also available as a new credential type within access control user profiles, inheriting all user credential properties such as access levels and schedules. LPR unlock generates door events within the access door detail page, and a new license plate button on the entry event allows Verkada Command users to quickly navigate to the license plate profile page.

Key features

Unlock gates with LPR camera technology

Customers who have CB62 or CB52 cameras deployed for LPR applications can extend the functionality of their cameras to physically control the gates to their buildings.

Simplified access control configurability

With LPR unlock, admins can deploy a practical and manageable solution that enables efficient security at all gates. License plates inherit all of the existing access levels and schedules within a user's access profile, which can be managed via .csv upload, by assigning a license plate through the "Assign Access User +" button on the License Plate feed page, or by managing individual user profile configurations.

Actionable data enhances parking lot security

LPR unlock displays gate unlock events on the access page as an entry event. These events can be searched and filtered. Like any door type, all LPR access control events can be used as inputs for alarm triggers, seen in the alert inbox, and accessed programmatically through Verkada's access control APIs.
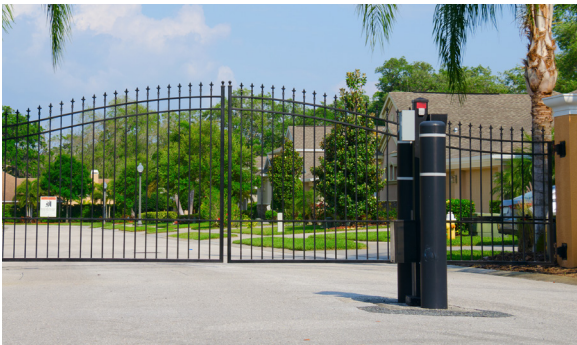
Use cases

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 access badge readers.
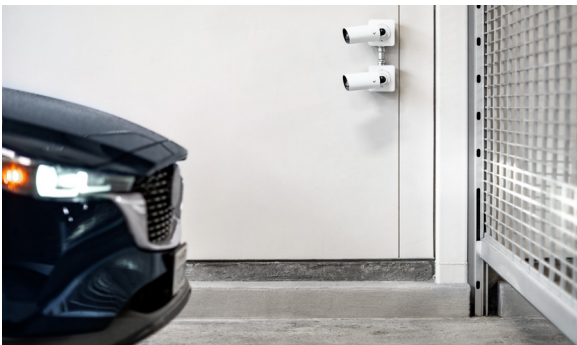

Access for guests at gated facilities

Communities and facilities with gated access can use LPR Unlock to provide simplified guest access.

Protected parking lots

LPR Unlock can help secure parking lots from car theft or unapproved use of EV charging stations.

Additional parking lot security

Verkada LPR technology can improve the security of a parking lot with intrusion and unrecognized plate alerts.

Organizations with many garages

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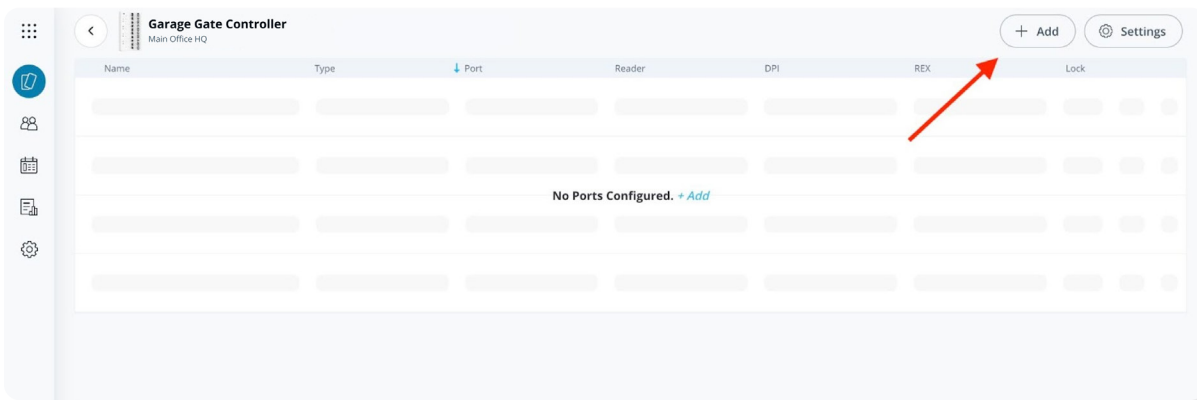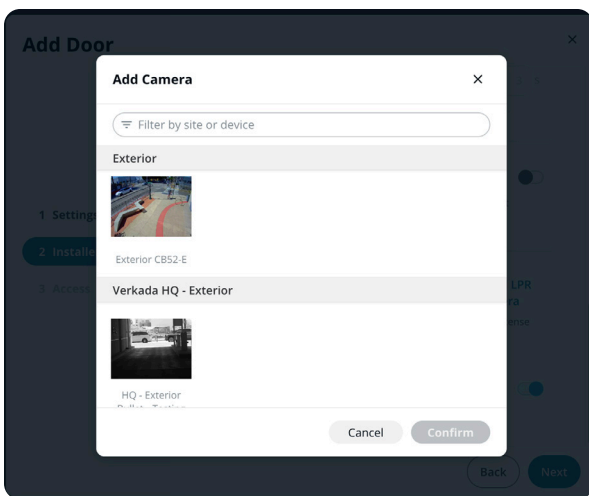
Enable LPR Unlock

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:
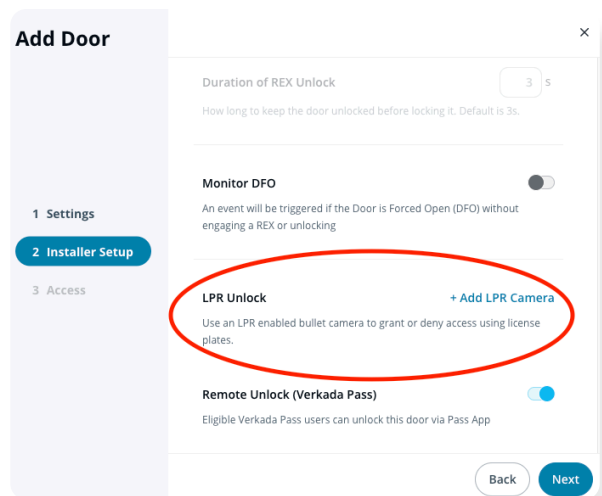
Door setup

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.
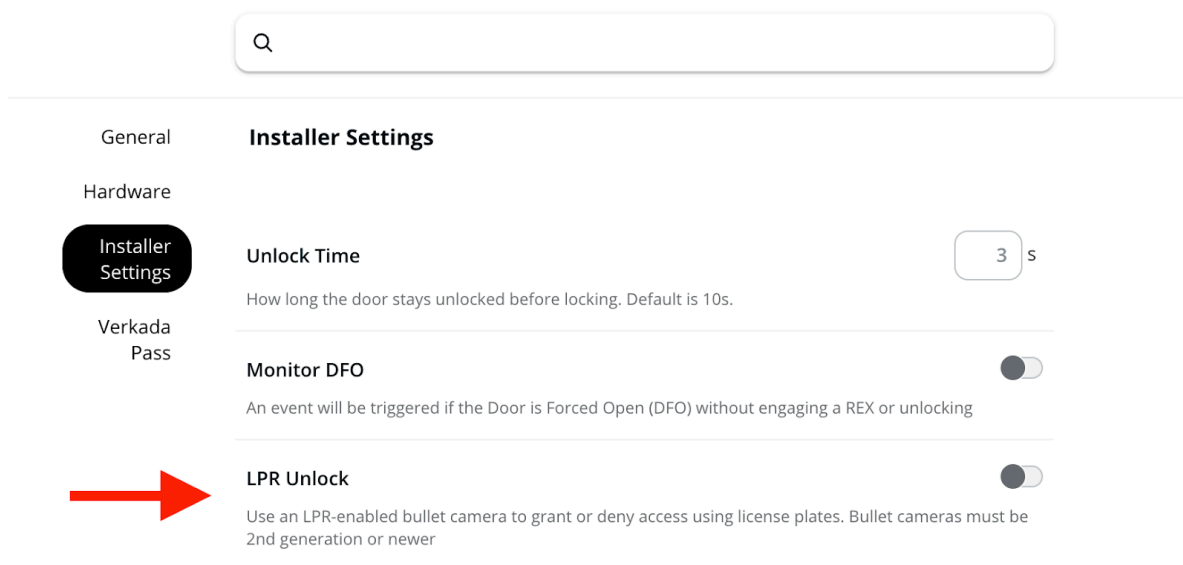
Enable LPR Unlock

Door settings

1. Go to the Door page and click the **Settings** icon.
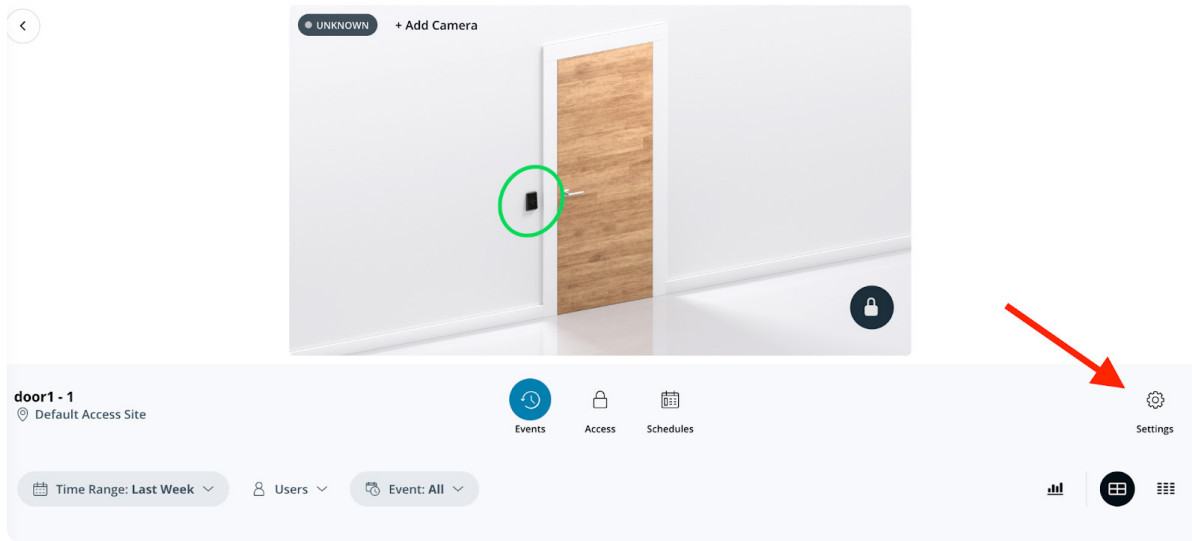
2. Scroll down to the **Installer Settings** and toggle to turn on the **LPR Unlock** feature on the door.

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).
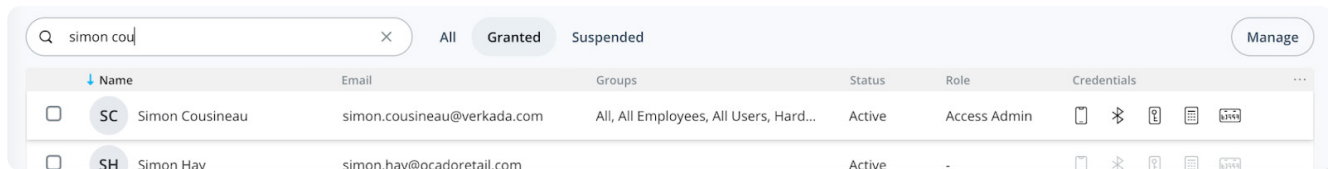
Add LPR as a credential
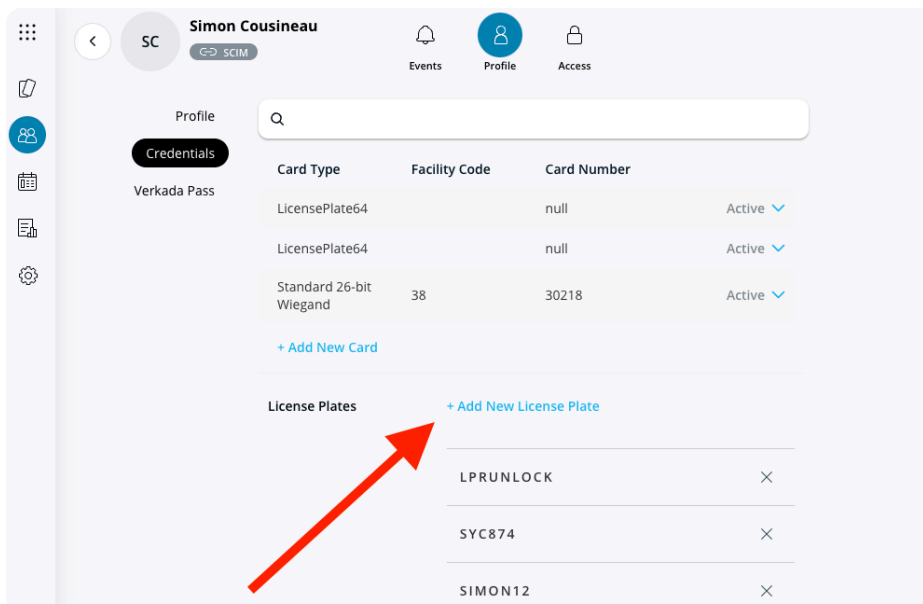
On a user's access profile

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

2. Click the **Access Users and Groups side** icon.
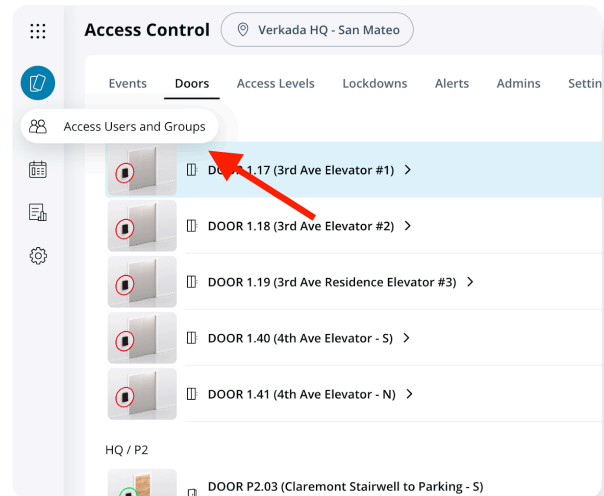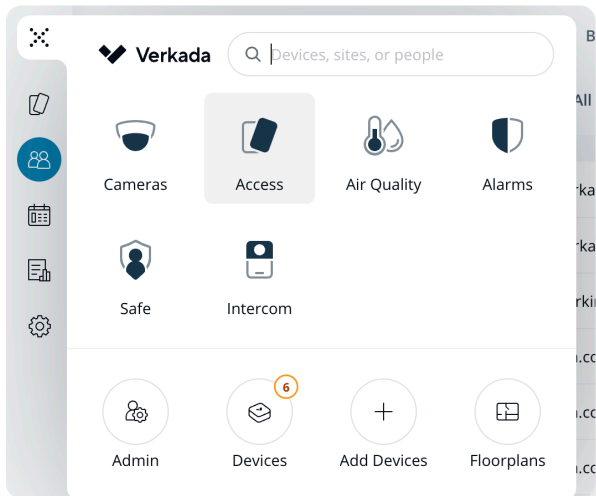
3. From the list of access users, click the user you want to add a license plate to.

4. Click **Profile** to go to their **Credentials.**
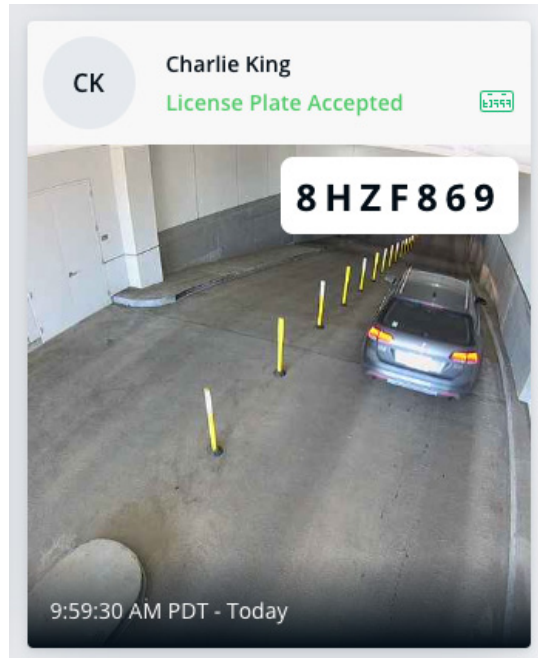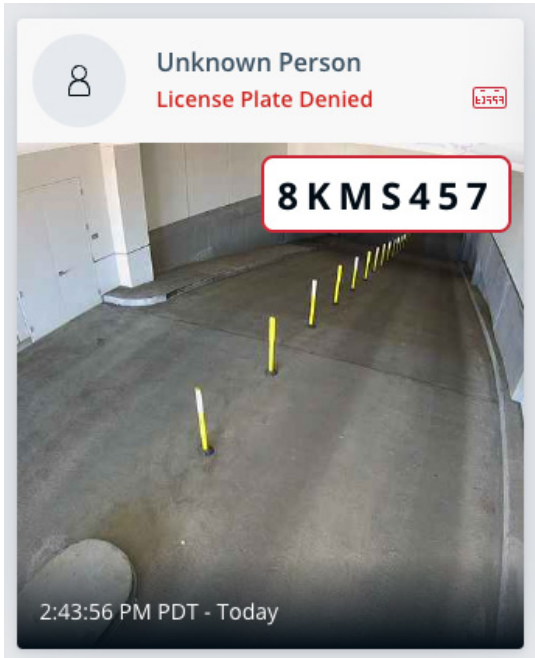5. Click **Add New License Plate** to add new license plates to the user.

New LPR events

The introduction of this feature leads to the creation of 2 new kinds of events:
- License plate accepted (see right image)
- License plate denied (see left 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.

Ordering Information

LPR unlock requires LPR-enabled CB52 or CB62 cameras and a Verkada AC42 or AC62 access controller. No additional software license is needed for LPR unlock capabilities aside from standard camera and door licenses.

Controller pricing

Model Number	Description	Cost (MSRP) USD
AC62–HW	AC62 16–Door Controller	$5,299
AC42–HW	AC42 4–Door Controller	$1,799
AC41–HW	AC41 4–Door Controller	$1,799
AX11–HW	AX11 IO Controller	$1,599
AC12-HW	AC12 One–Door Controller	$699

Telephoto Bullet cameras

Product Name	Maximum SQ Onboard Retention[1]	Model Number	Cost (MSRP) USD
CB52-TE	30 Days	CB52-256TE-HW	$1,499
	60 Days	CB52-512TE-HW	$1,899
	90 Days	CB52-768TE-HW	$2,299
	365 Days	CB52-2TBTE-HW	$3,699
CB62-TE	30 Days	CB62-512TE-HW	$1,899
	60 Days	CB62-1TBTE-HW	$2,799
	90 Days	CB62-2TBTE-HW	$3,699

Wide-angle Bullet cameras

Product Name	Maximum SQ Onboard Retention[1]	Model Number	Cost (MSRP) USD
CB52-E	30 Days	CB52-256E-HW	$1,399
	60 Days	CB52-512E-HW	$1,799
	90 Days	CB52-768E-HW	$2,199
	365 Days	CB52-2TBE-HW	$3,599
CB62-E	30 Days	CB62-512E-HW	$1,799
	60 Days	CB62-1TBE-HW	$2,699
	90 Days	CB62-2TBE-HW	$3,599

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: https://www.verkada.com/blog/recording-in-adaptive-quality/