

# Gym Assistant SmartReader Add-On Setup

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## Introduction

The Gym Assistant SmartReader allows members to check in or gain access using a mobile phone instead of a barcode or a proximity card/fob. The SmartReader Add-On is intended to for any of the following configurations:

- adding SmartReader access to an existing legacy barcode or proximity access system
- adding a SmartReader for member check-in

The SmartReader will connect to a USB port on your computer using the supplied components.

## How the SmartReader Works

The SmartReader utilizes an app on your smartphone, which communicates with the reader via BlueTooth.

Here are the general steps to setup a member for access with the SmartReader:

- Member installs the app on his phone, and requests access to your location.
- You grant the member access through the SmartReader website.
- You set the member's SmartReader ID in Gym Assistant.

Once the member is setup in Gym Assistant they check-in or gain access just as they would with a barcode or proximity card/fob (but using their phone instead).

## Before you Start

We recommend that you connect and test the SmartReader on your tabletop before mounting it the wall. This will greatly simplify any diagnostics that you may need during the install. Once you have confirmed that everything is working as it should then you can mount the reader in its final location.

## Where should you mount the reader?

The reader should be mounted within a few feet of the door inside your facility.

***The reader should not be mounted outside the door!***

The SmartReader has a range of 10-20 feet, but it should be mounted as close to the door as possible to maximize its range.

## What is included in the box



SmartReader



Power Supply  
with female pigtail connector (optional)



Wiegand/Serial Adapter



Serial Extension Cable



USB/Serial Adapter



Crimp Connectors



4-Conductor Wire



Small Flathead Screwdriver

## Tools that you will need

- Wire cutters/strippers (for 24-gauge wire)
- Pliers (for crimping wire connections)
- Voltmeter (optional)

## Separate Out the Correct Wires

The reader comes with Red, Black, Blue and Yellow wires loose (with wires exposed) and a bunch of wires all bundled up together (with no wires exposed).

For Gym Assistant you will NOT use the **Blue** and **Yellow** wires, but you WILL use the **Green** and **White** wires.

- Cut the exposed wire ends from the Blue and Yellow wires.
- Unbundle the rest of the wires and separate out the Green wire.
- Now separate out the White wire. BEWARE, though, as many of the wires are mostly white with just a very thin colored stripe. Roll the wires between your fingers to ensure that you have the ALL-WHITE wire.
- Strip off 3/8" of insulation from the Green and White wires (using 22-gauge stripper).
- Cut off half of the exposed wire from the ends of the Red and Black wires. (The exposed end is too long and could cause a problem later.)

## Connect the Reader to the Computer

With this setup the SmartReader will be connected to the computer through a Wiegand/Serial adapter and a USB/Serial adapter.

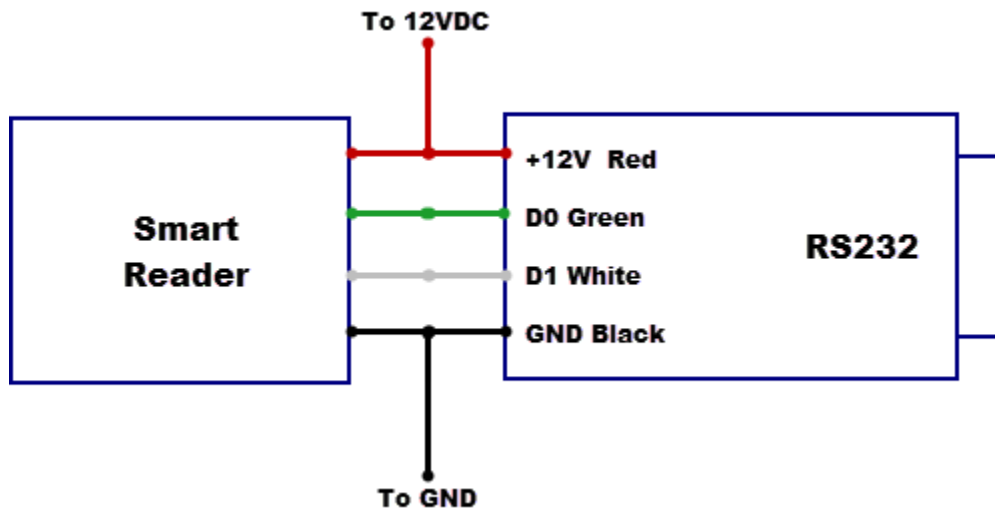


Wiegand/Serial Adapter



USB/Serial Adapter

Connect the SmartReader wires to the Wiegand/Serial adapter as follows:

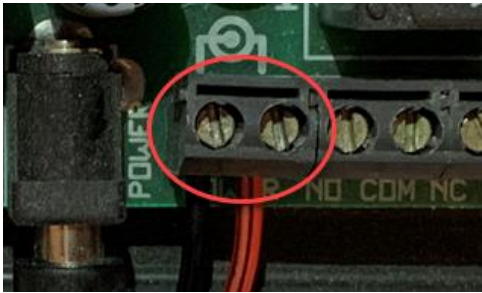


## Connect Power to the Reader

The easiest way to power the reader is to connect 12VDC and GND from the optional Power Supply with female pigtail connector.

Alternately you can tap 12VDC and GND from your existing legacy access controller.

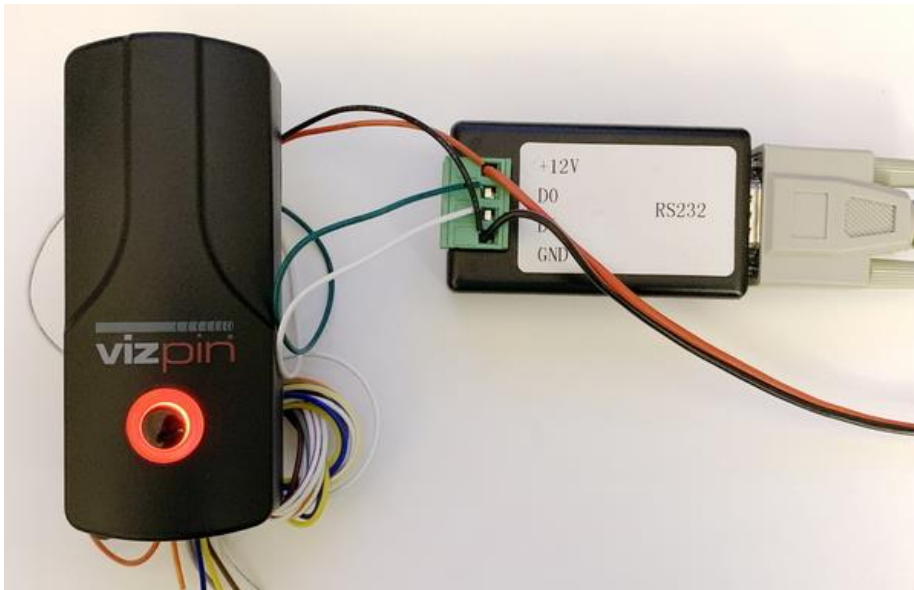
On the **Legacy Barcode Controller**, the Power terminals are labelled POWER and reside between the round power connector and the NO terminal. You should check the polarity of the two terminals with a voltmeter to ensure which terminal is positive and which is ground.



On the **Legacy Proximity (Wiegand) Controller**, tap 12VDC from the VH and Gnd terminals.



When you power up the reader it should light up RED.



### Connect the SmartReader to your computer

Connect the Serial Extension Cable to the Wiegand/Serial Adapter.

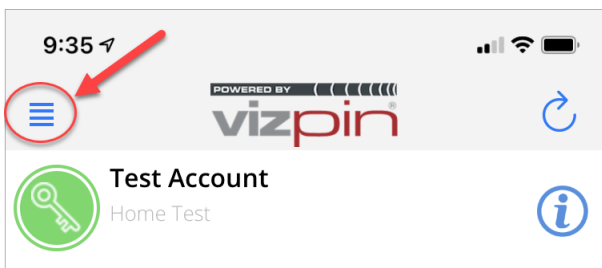
Connect the USB/Serial Adapter to the Serial Extension Cable.

Plug the USB/Serial Adapter into a USB port on your computer. It may take Windows a few minutes to download and install drivers for the USB/Serial.

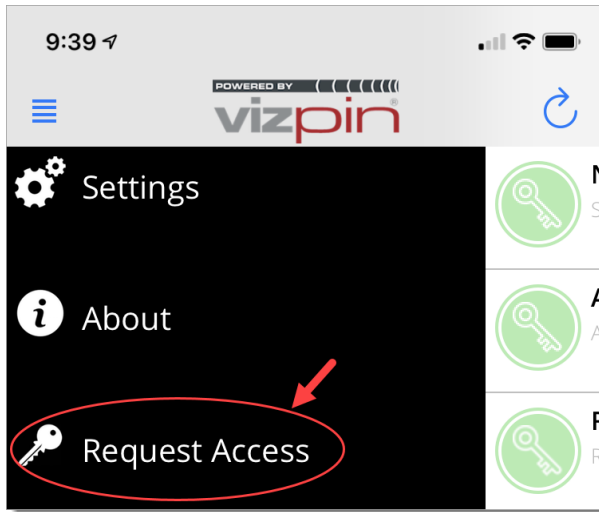
### Install and Register the Smart Phone App

Have your member install and register the **VizPin Smart** app on their iPhone or Android phone.

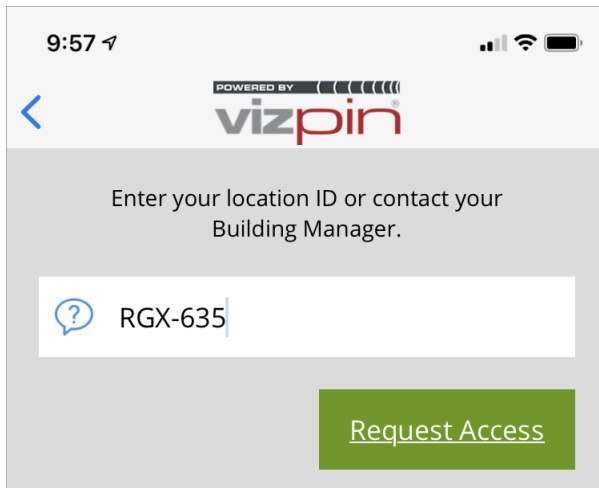
In the VizPin Smart have the member will need tap on the menu icon (in the upper-left).



Then tap **Request Access**.



Then enter your Location ID (from VizPin website, below) and tap **Request Access**.



## Grant Reader Access for Member Phone

Login to [www.vizpin.net](http://www.vizpin.net) with your email and password.



Note your **Location ID**, as members will need to enter the Location ID when setting up on their phones.



The dashboard features a vertical menu on the left with five items: 'Grant Smartphone Access' (red), 'Grant Card/FOB Access' (grey), 'Revoke Access' (grey), 'View Activity' (grey), and 'Manage Users' (red). On the right, the 'Location ID: B47-Z5T' is circled in red. Below it, there is a 'What's New' section and a 'HELPFUL VIDEOS' section with links to 'Create a Smartphone Role', 'Grant Smartphone Access by Role', 'Revoke Access', and 'Add Users to Account'. At the bottom right, a link for 'VIZPIN SMART USER GUIDE - User Guide' is provided.

Click **Grant Smartphone Access**.

Click the **Needs Access** checkbox to see only members who need access.

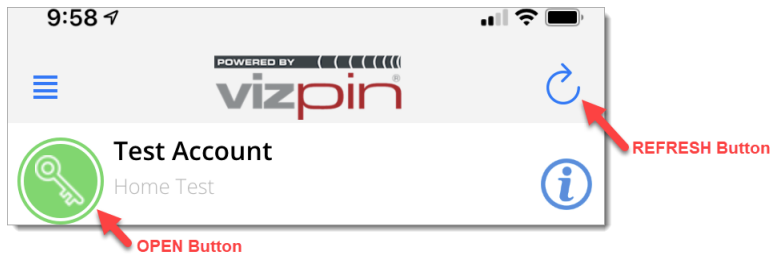
The 'Users' management interface includes a filter for 'All' (selected) and 'Needs Access'. A search bar is set to 'Search By Last Name'. The table below shows one user with the 'Select' checkbox checked. A 'Grant VizPIN' button is circled in red at the bottom of the interface.

Select	Last Name	First Name	Organization	Phone #	Email	Card #
<input checked="" type="checkbox"/>	Harlan	Jon		5105551212	vizpin@gymassistant.com	15356

Check the Select box for the member(s) who need access, then click **Grant VizPIN**.

## Test the SmartReader

Have the member hit the Refresh button in the upper-right of the VizPin Smart app.

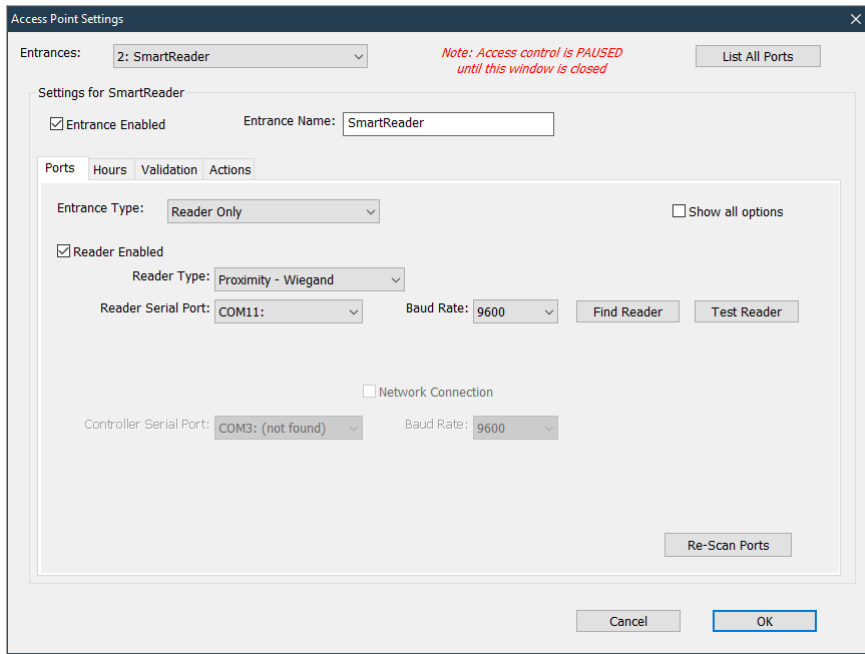


The OPEN icon should now appear. If their phone is within range then it will appear as shown. If their phone is not within then it will appear inactive.

When the member taps the OPEN icon the key icon will rotate, and the reader will beep and flash green.

## Setup GateKeeper

In GateKeeper select **Access Points / Ports** from the **Settings** menu.



Set the **Entrance Type** to **“Reader Only”** if the reader will be used for check-in only, or **Reader + Controller** if the reader will be used for access control.

Set the Reader Type to **“Proximity – Wiegand”**.

Click the **Finder Reader** button.

On your smartphone tap the **OPEN icon** in the VizPin Smart app. GateKeeper should report that “Reader was found”.

For Access Control setup the controller just as you normally would. (See documentation for your specific controller.)

### Test the SmartReader

Tap the OPEN icon in the smartphone app. The key icon should rotate, and the reader will beep and flash green.

GateKeeper should report “Unknown Scan: 250XXXXX”.

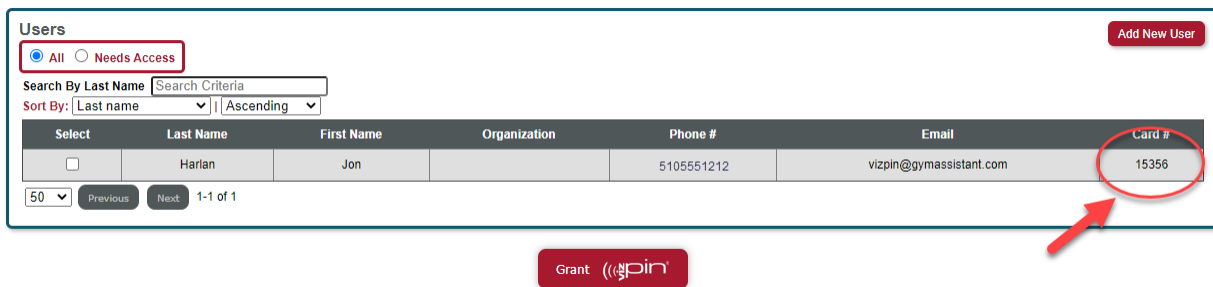
*Note that SmartReader scans will always appear as an 8-digit number starting with 250.*

## Setting the Member Card ID in Gym Assistant

In Gym Assistant while viewing a member record, click the **Barcode** button.

You can set the member's card ID (barcode) in Gym Assistant in two ways:

- Tap the OPEN icon in the smartphone app. The full 8-digit SmartReader ID will automatically appear in the Barcode field.
- Get the member's SmartReader **Card #** from the VizPin website (see below).
  - In Gym Assistant you must enter 8 digits for the barcode, which will be "250" followed by the 5-digit Card #. If the Card # has fewer than 5 digits then you must include leading zeros. For example:
    - If the Card # is 12345, then you enter the barcode as "25012345".
    - If the Card # is 123, then you enter the barcode as "25000123".



The screenshot shows the 'Users' page in the VizPin website. At the top right is an 'Add New User' button. Below it are radio buttons for 'All' (selected) and 'Needs Access'. A search bar is labeled 'Search By Last Name' with a 'Search Criteria' input field. Below the search bar, it says 'Sort By: Last name' and 'Ascending'. A table lists user records with columns: Select, Last Name, First Name, Organization, Phone #, Email, and Card #. The first record is for Jon Harlan with Card # 15356. A red circle highlights the Card # field, and a red arrow points to it. At the bottom center is a 'Grant' button with the VizPin logo.

Select	Last Name	First Name	Organization	Phone #	Email	Card #
<input type="checkbox"/>	Harlan	Jon		5105551212	vizpin@gymassistant.com	15356