

Gym Assistant SmartReader Add-On Setup

July 13, 2022



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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 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 can be connected directly to our Standalone Access Controller.

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 Vizpin access to your location.
- Gym Assistant grants the member Vizpin access, which allows the reader to recognize the member's phone.
- Gym Assistant sets the member's Barcode Number to the card number generated by Vizpin.

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.

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)

Installing the Reader

Where should you mount the reader?

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

Note: 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.

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.

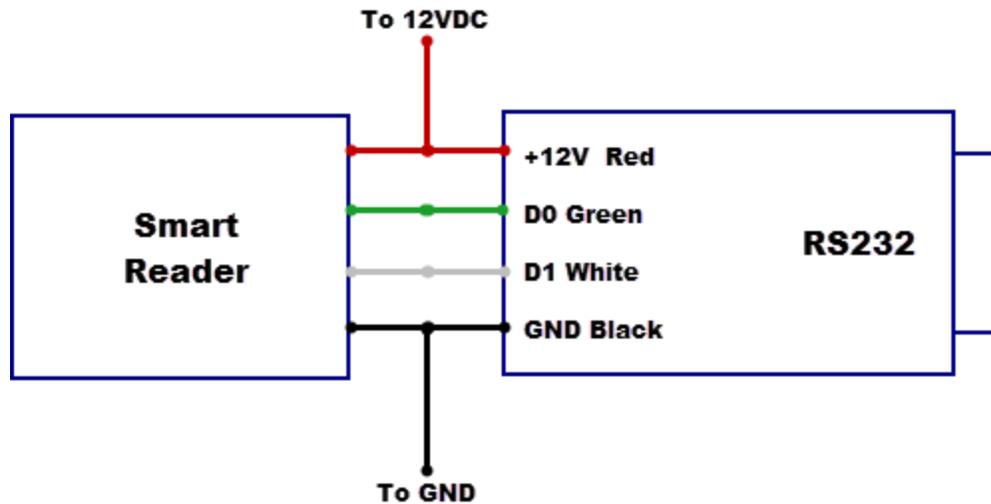


Wiegand/Serial Adapter



USB/Serial Adapter

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

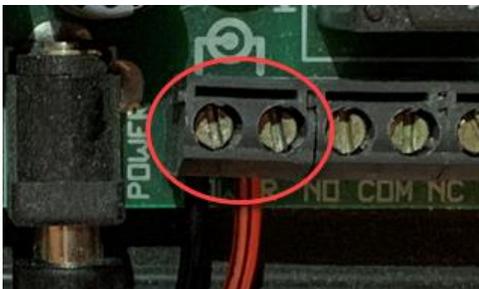


Connect Power to the Reader

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.

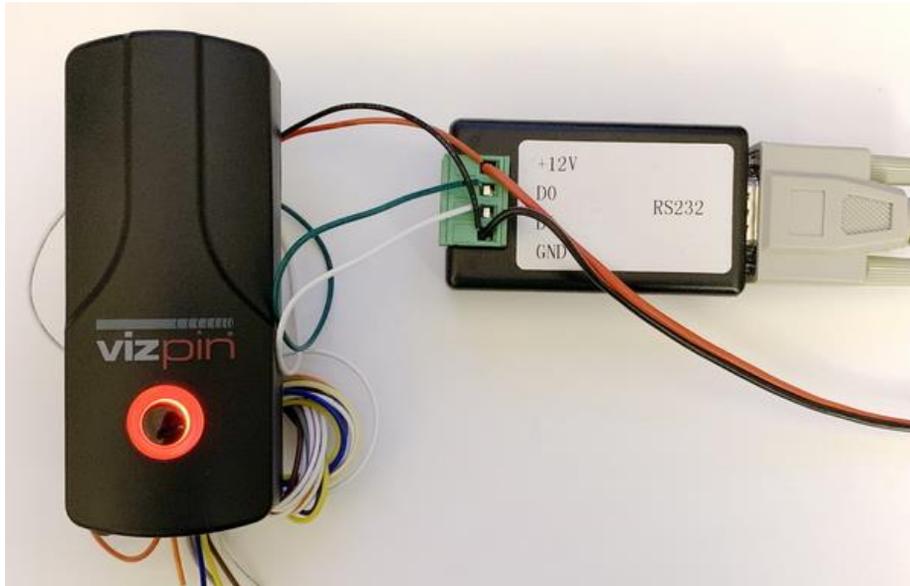
On the **Legacy Barcode Controller**, the Power terminals are labelled POWER and reside between the round power connector and the NO terminal. You should check the polarity of the two terminals with a voltmeter to ensure which terminal is positive and which is ground.



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.

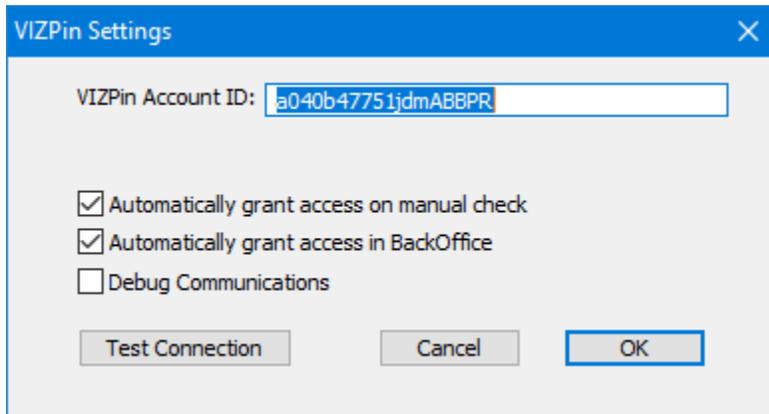
Gym Assistant SmartReader Settings

In Gym Assistant select **SmartReader Access** from the **Utilities** menu.

The first time you do this you will need to enter your VIZPin Account ID (which you will get from Gym Assistant Support).

You should also check the following checkboxes:

- Automatically grant access on manual check
- Automatically grant access in BackOffice

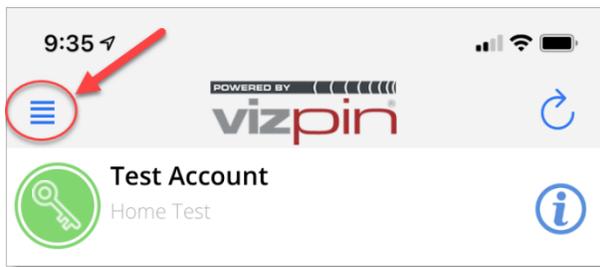


The screenshot shows a dialog box titled "VIZPin Settings" with a close button (X) in the top right corner. The dialog contains a text input field for "VIZPin Account ID" with the value "a040b47751jdmABBPR". Below the input field are three checkboxes: "Automatically grant access on manual check" (checked), "Automatically grant access in BackOffice" (checked), and "Debug Communications" (unchecked). At the bottom of the dialog are three buttons: "Test Connection", "Cancel", and "OK".

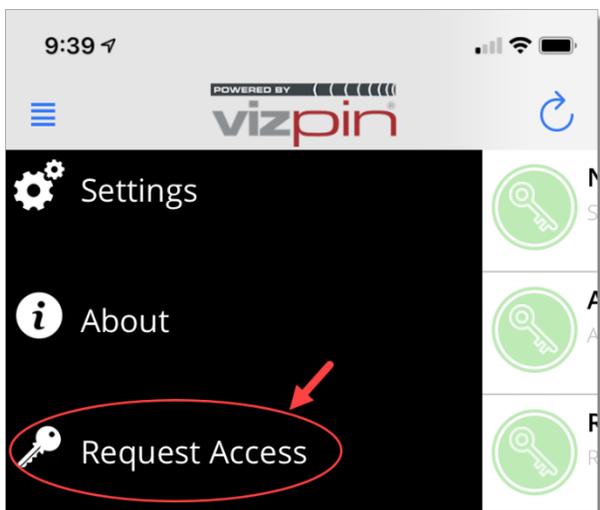
Have Members Install and Register the Vizpin Smart App

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

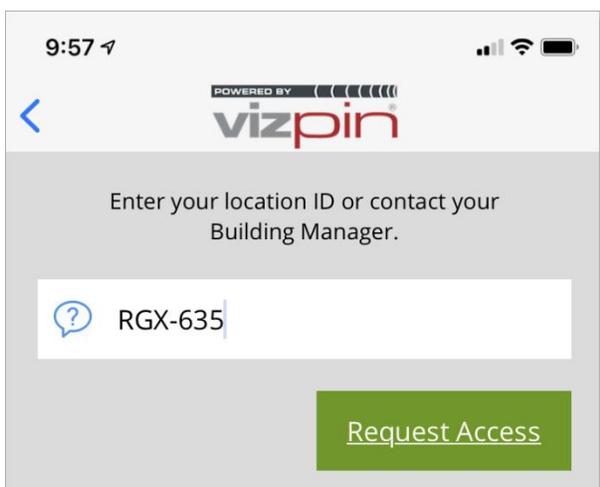
In the VizPin Smart have the member will need tap on the menu icon (in the upper-left).



Then tap **Request Access**.

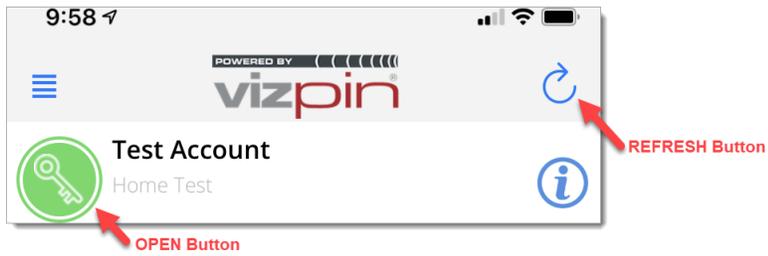


Then enter your Location ID (from VizPin website, below) and tap **Request Access**.



Test the SmartReader

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

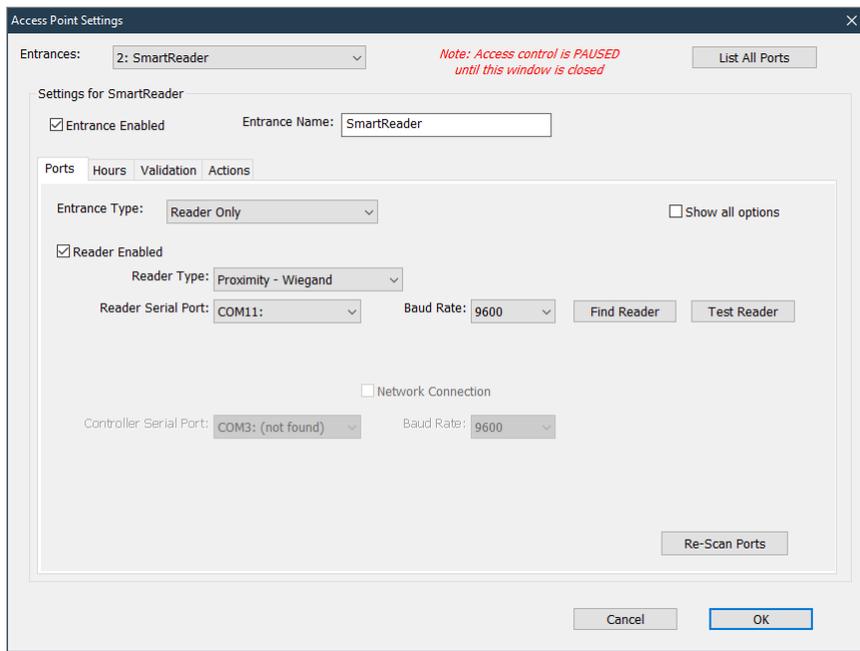


The OPEN icon should now appear. If their phone is within range then it will appear as shown. If their phone is not within then it will appear inactive.

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

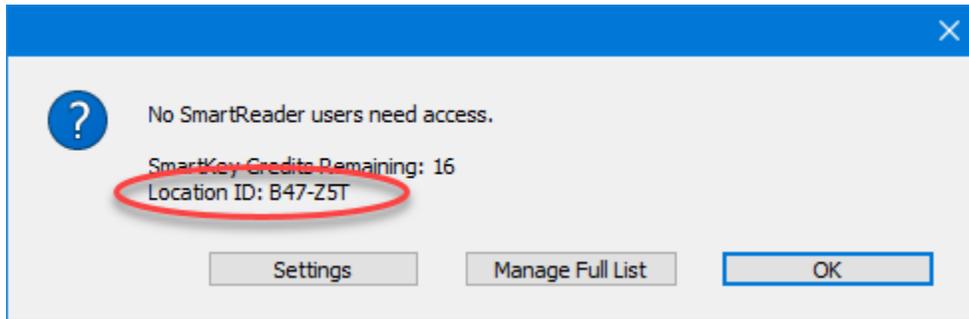
Tap the OPEN icon in the smartphone app. The key icon should rotate, and the reader will beep and flash green.

GateKeeper should report “Unknown Scan: 250XXXXX”.

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

Manually Grant Vizpin Access for Members

In Gym Assistant select **SmartReader Access** from the **Utilities** menu.

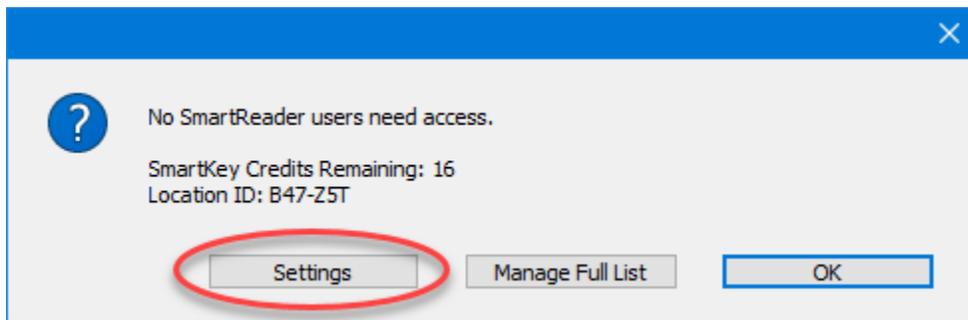


Any member who has requested Vizpin access is automatically granted Vizpin access, and the member's barcode number is automatically set to that user's Vizpin card number.

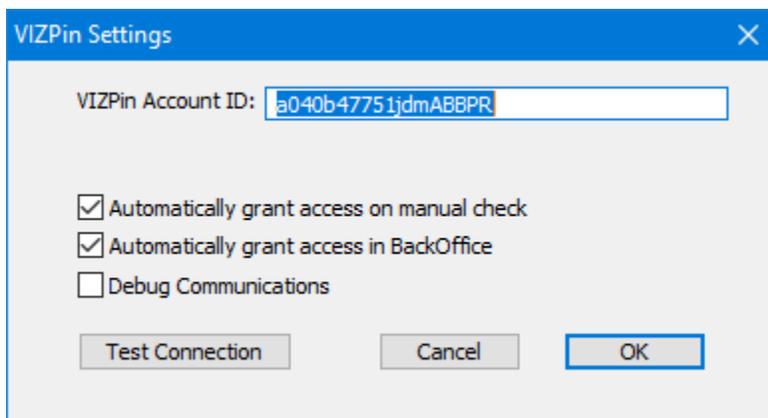
Note that your **Location ID** will be displayed, as well as the number of SmartKey Credits Remaining on your account.

Automatically Grant Vizpin Access for Members

In Gym Assistant select **SmartReader Access** from the **Utilities** menu.



Click Settings.



Check the boxes for:

- **Automatically grant access on manual check**
- **Automatically grant access in BackOffice**

Click **OK**.

Gym Assistant will now automatically check for and grant Vizpin access for any members who have requested it. This check happens every five minutes in the background through the BackOffice application.

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.

Revoke Vizpin Access for a Member

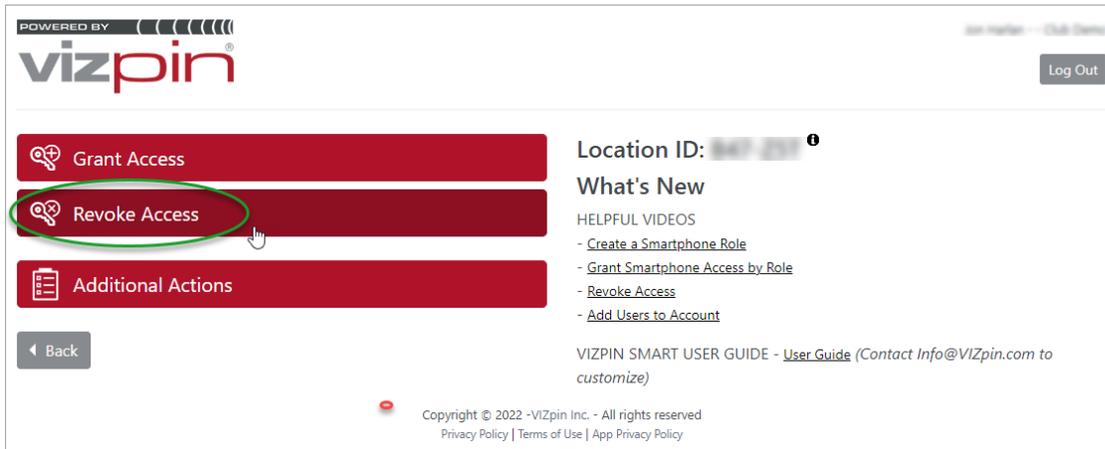
You do not need to revoke Vizpin access for a member if that member is basically no longer allowed entry, as Gym Assistant will automatically deny the member entry.

If a member chooses to no longer use their smartphone for access or gets a new phone then you will need to revoke Vizpin access for that phone.

Go to www.vizpin.net.



Login with the email and password that you used to setup your Vizpin account.



Click **Revoke Access**.

Select User

Search by last name

Sort: Ascending Descending

- Beasley, Eunice (DOOR ACCESS, exp: 01-01-2038)
- Harlan, Alex (Door Access, exp: 01-01-2038)
- Harlan, Jon (After Hours Door, exp: 01-01-2038)

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Search if needed by entering part of the user's last name and clicking **Search**.

Select a user (check the box by user's name), then click **Revoke**.

Confirm Revoke

Are you sure you wish to revoke all VIZpins for the selected users?

Click **OK**.

Remove User/s

Do you also want to REMOVE the user/s from your account?

Click **Yes**.