

# Desktop Proximity Reader Configuration

August 2022



## Introduction

The WaveID Desktop Proximity Reader is a USB desktop proximity reader with an integrated USB/Serial adapter. Customers will need to install a USB/Serial COM Driver for GateKeeper to receive card scans from the reader.

### *Why configure?*

The WaveID comes preconfigured to only transmit the proximity card's 5-digit card number. We have to configure the reader to transmit all the card's 3-digit Facility Code as well as the 5-digit card number.

## Installing USB/Serial COM Driver

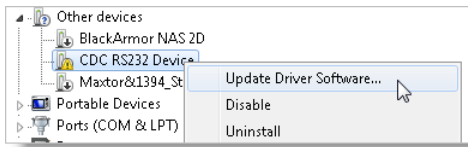
### *Download the Driver*

- Download the USB/Serial Virtual COM Driver:
  - Go to <https://www.gymassistant.com/utilities>.
  - Right-click the **USB\_Desktop Prox Reader COM Driver** and select **Save File As** or **Save Target As**.
  - Save the .zip file to your hard drive in a place that you can find later.
- Locate the downloaded file on your hard drive.
- Right-click the .zip file and select **Extract All**. Save to the Desktop or in an obvious location that you can easily find.

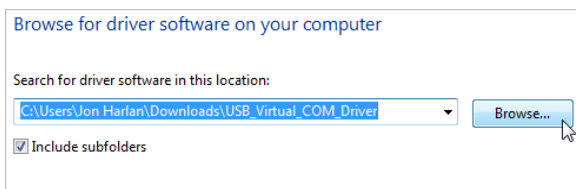
### *Install the Virtual COM Driver*

- Connect the WaveID reader to a USB port on your computer. A flashing yellow LED will appear on the reader.
- Windows will attempt to find the drivers online, but click **Cancel** to stop the search.
- Open **Device Manager**:

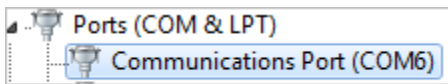
- Click the Start button and type “Device Manager”, then select Device Manager from the list.
- Under **Other Devices** you should see **CDC RS232 Device**.
- Right-Click on **CDC RS232 Device** and select **Update Driver Software**.



- Click **Browse my computer for driver software**.
- Click **Browse**.
- Navigate to and select the **USB\_Virtual\_COM\_Driver** folder that was unzipped above, then click **OK**.



- Click **Next**.
- If a Windows Security alert appears saying “Windows can’t verify the publisher of this driver software” click **Install this driver software anyway**.
- Windows should install the drivers and report that Windows has successfully updated your driver software.
- In Device Manager, under Ports (COM & LPT) you should see a new Communications Port. Note: The COM port number may be different than that shown below.



- If you are not sure which COM port is the desktop prox reader then unplug the reader, then reconnect it and see what port appears.
- The LED on the reader should now be solid red.
- When you scan a proximity card the reader should beep and the LED will change to green for 1-second.

## Reconfiguring the Reader

### Installing pcProx Software

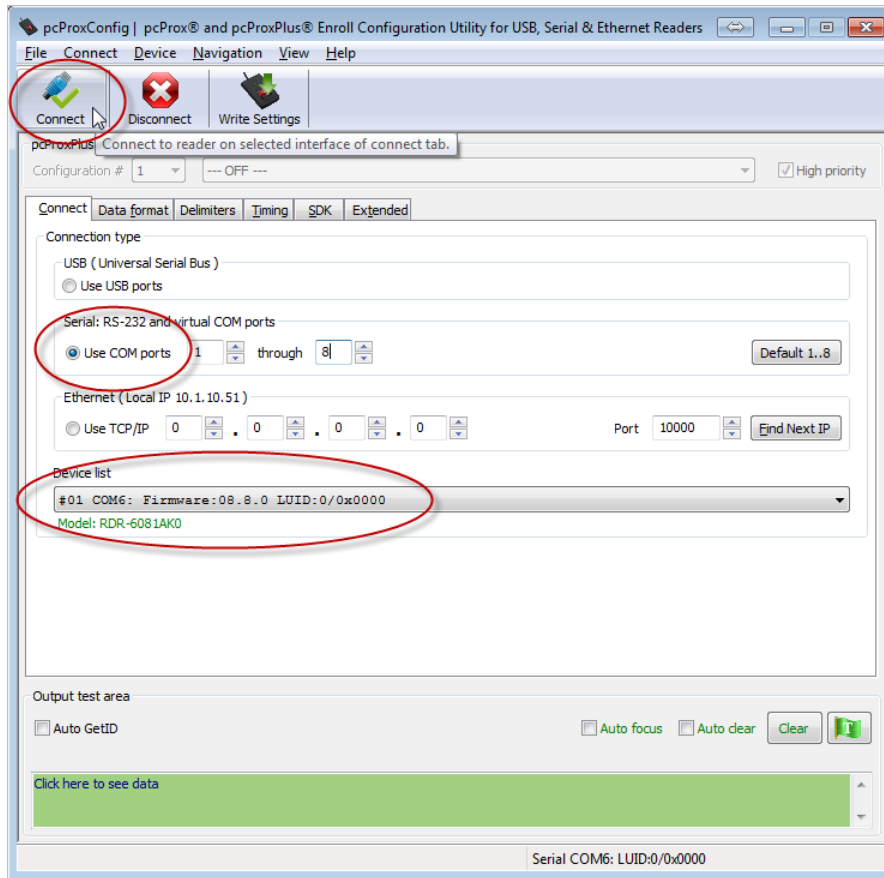
- Download **pcProxConfig** software at:

<https://www.gymassistant.com/utilities>

- Click on **pcProxConfig5 (for prox desktop reader)**.
- Save and run the installer.
- To run pcProx, click the Start button and type “pcProx”. Then click on **pcProxConfig.exe** in the list.

## Connecting to the Reader

- In the main pcProxConfig window, under **Connection type** select **User COM ports**.

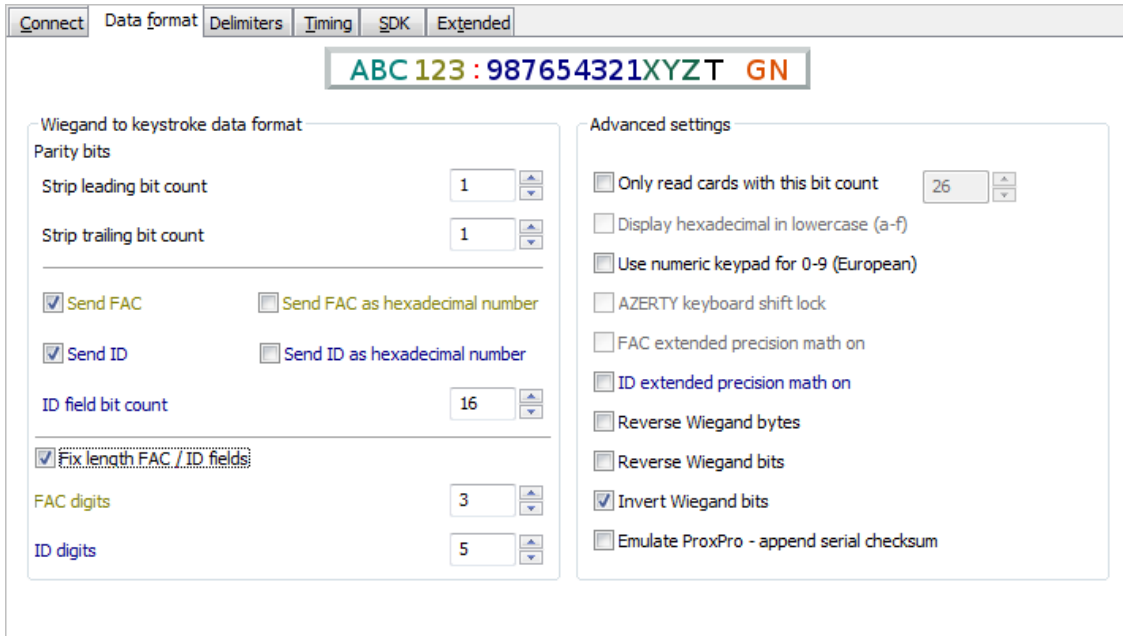


- Click **Connect**. It will take the application a few seconds to connect.
- If you have more than one proximity reader or controller, select the correct COM port under **Device list**.

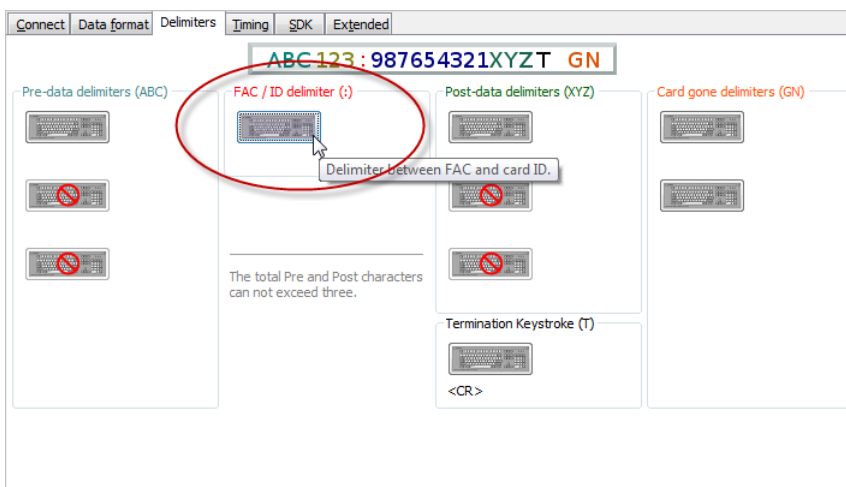
## Setting the Reader Configuration

- Select **Read Settings** from the **Device** menu.

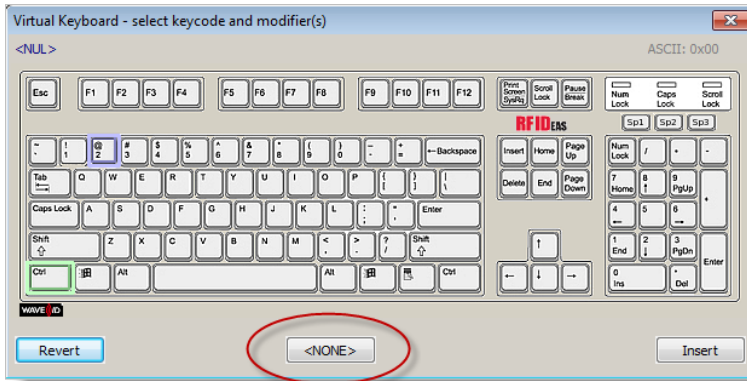
- Click the **Data format** tab.



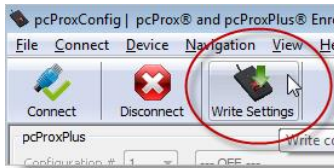
- Under **Wiegand to keystroke data format**, check the following checkboxes:
  - Send FAC
  - Send ID
  - Fix length FAC/ID fields
- Under **Wiegand to keystroke data format**, uncheck the following checkboxes:
  - Send FAC as hexadecimal number.
  - Send ID as hexadecimal number.
- Set **FAC digits** to 3.
- Set **ID digits** to 5.
- Leave all **Advanced settings** boxes as they are.
- Click the **Delimiters** tab.



- Click the keyboard icon in the **FAC / ID delimiter** box.

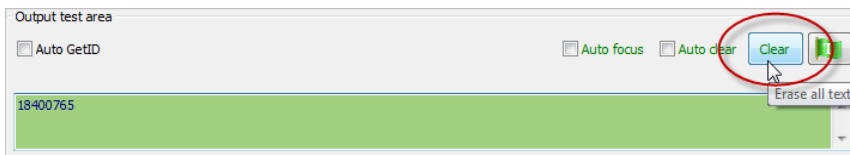


- Click Write Settings.



## Testing the Reader

- Click the Clear button.



- Scan a card. The full 8-digit number with 3-digit facility code and 5-digit card number should appear.
- If you scan the card again then each scan should appear on a new line.

**You're done!**