

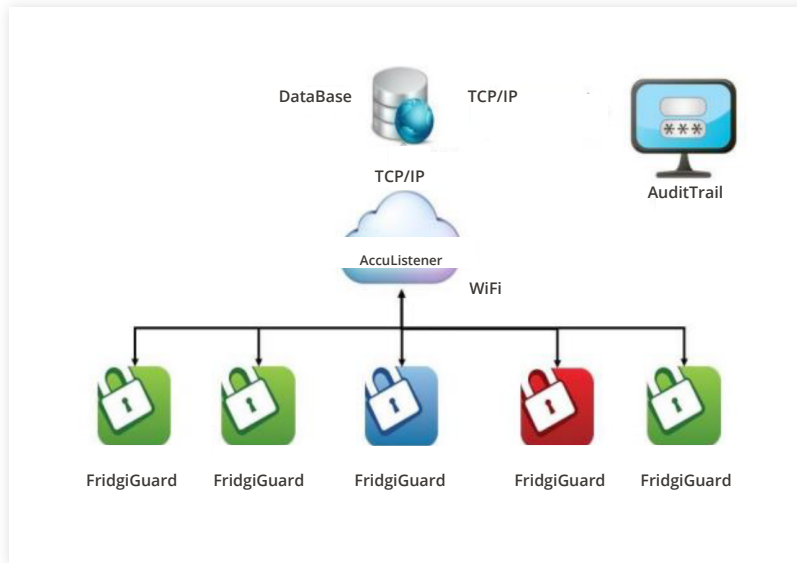


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II. SYSTEM ARCHITECTURE, REQUIREMENTS AND HARDWARE

System Architecture



System Requirements

Operating System:

- MS Windows 7 or Newer
- 64 BIT

Minimum Hardware Requirements:

- 2 GB RAM
- 1280 x 768 Resolution
- 1.7 GHz CPU

Included Hardware

- FridgiGuard Electronic Lock
- 5v Power Adapter

III. SOFTWARE FILES



FridgiGuard1.2.3



MySQL5.7.17



vcredist2012



Virtual Driver

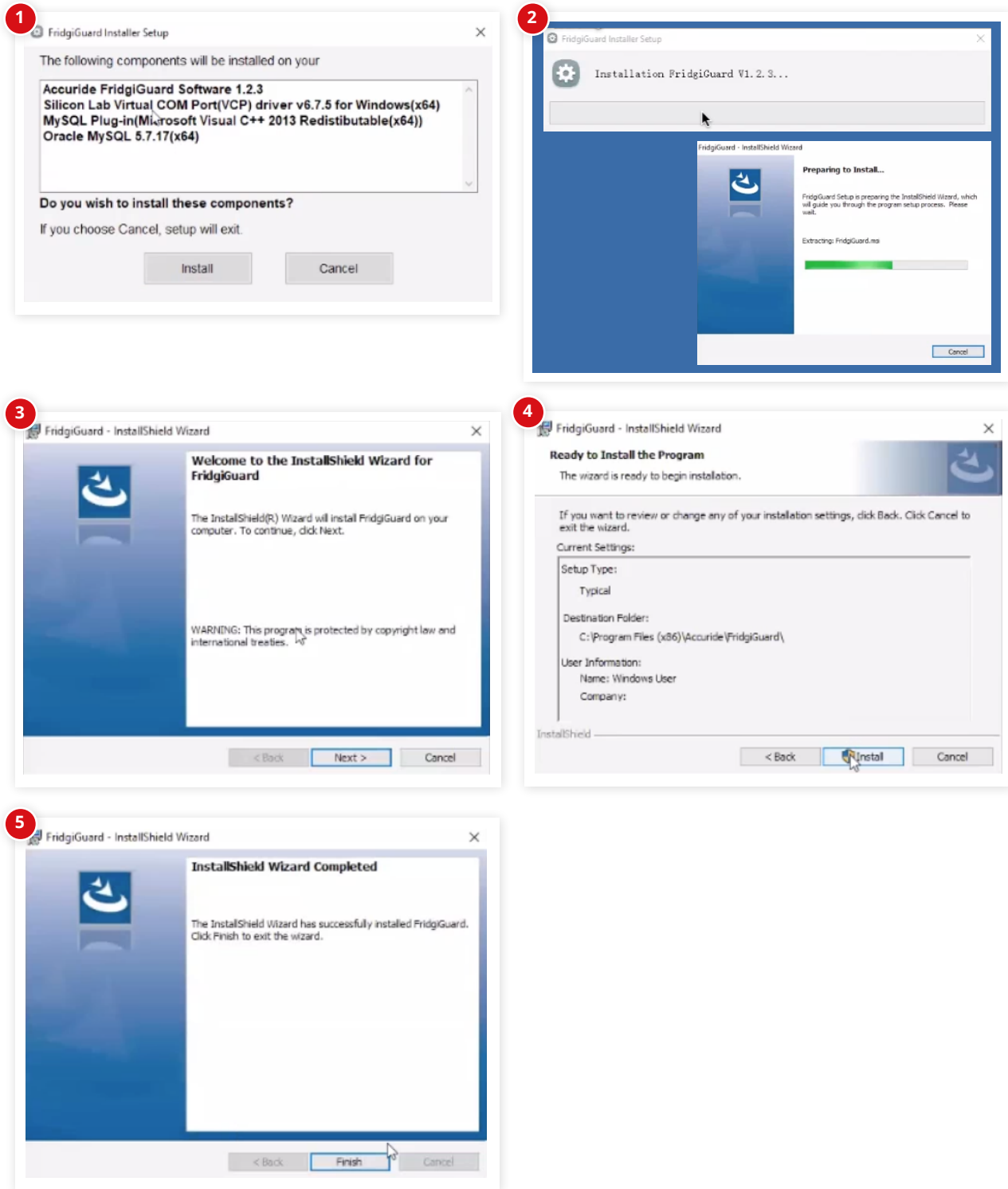


FridgiGuardInstallSetup.exe

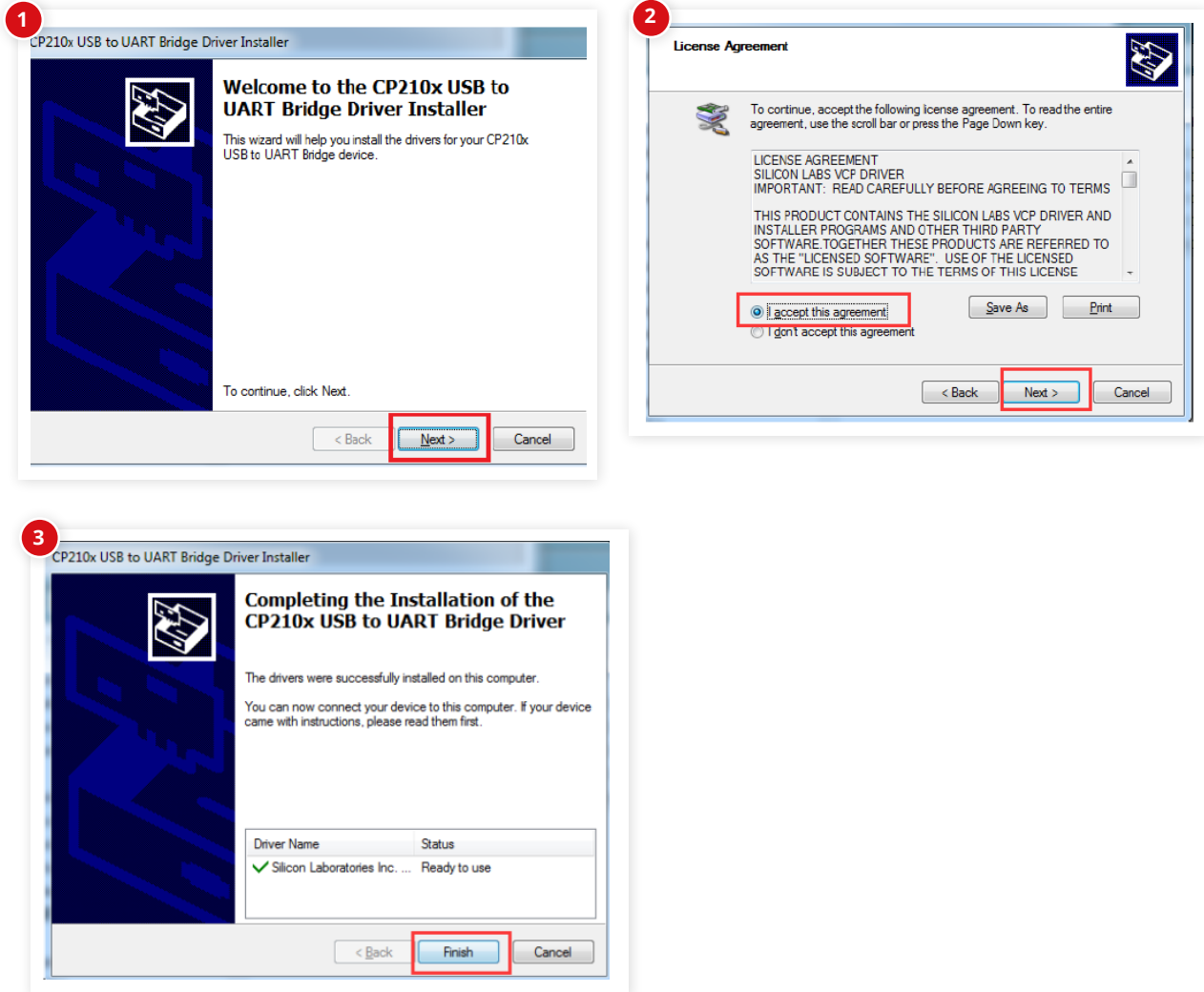
IV. SOFTWARE SETUP

FridgiGuard Trail

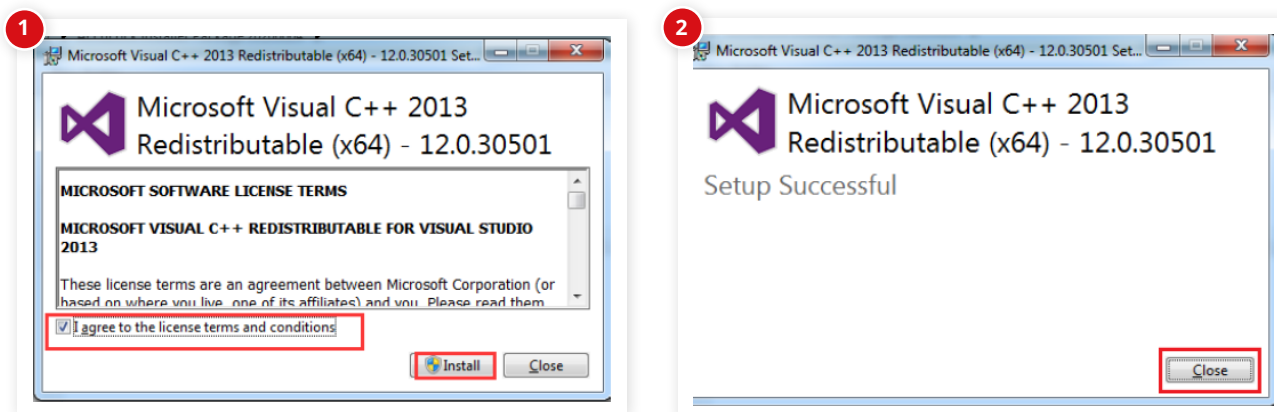
Double-click **FridgiGuardInstallSetup.exe** to install.



Virtual Com Port Driver



MySQL Plug-In (MS Visual C++ Redistributable)



MySQL 5.7.1

- MySQL Installer
Adding Community

License Agreement

To proceed you must accept the Oracle Software License Terms.

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Version 2, June 1991

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Preamble

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this).

☒ I accept the license terms

Next > Cancel
- MySQL Installer
Adding Community

Choosing a Setup Type

Please select the Setup Type that suits your use case.

☒ Developer Default
Installs all products needed for MySQL development purposes.

☐ Server only
Installs only the MySQL Server product.

☐ Client only
Installs only the MySQL Client products, without a server.

☐ Full
Installs all included MySQL products and features.

☐ Custom
Manually select the products that should be installed on the system.

Setup Type Description

Installs the MySQL Server and the tools required for MySQL application development. This is useful if you intend to develop applications for an existing server.

This Setup Type includes:

 - * MySQL Server
 - * MySQL Workbench
 - * The GUI application to develop for and manage the server.
 - * MySQL for Excel
 - * Excel plugin to easily access and manipulate MySQL data.
 - * MySQL for Visual Studio
 - * To work with the MySQL Server from VS.
 - * MySQL Connector/Python, C/C++, ODBC and others.

Back Next > Cancel
- MySQL Installer
Adding Community

Check Requirements

The following products have failing requirements. The installer will attempt to resolve some of this automatically. Requirements marked as manual cannot be resolved automatically. Click on those items to try and resolve them manually.

For Product	Requirement	Status
<input type="radio"/> MySQL For Excel 13.6	Visual Studio Tools for Office 2010 is...	Manual
<input type="radio"/> MySQL for Visual Studio 1.2.6	Visual Studio version 2010, 2012, 20...	Manual

Confirm

One or more product requirements have not been satisfied. Those products with missing requirements will be not installed/updated. Do you wish to continue?

Yes No

Back Execute Next > Cancel
- MySQL Installer
Adding Community

Installation

Press Execute to upgrade the following products.

Product	Status	Progress	Notes
MySQL Server 5.7.17	Complete		
MySQL Workbench 6.3.8	Complete		
MySQL Notifier 1.1.7	Complete		
MySQL For Excel 13.6	Complete		
MySQL Utilities 1.6.4	Complete		
Connector/ODBC 5.3.6	Complete		
Connector/C++ 1.1.7	Complete		
Connector/J 5.1.40	Installing	33%	
Connector/NET 6.9.9	Ready to install		
Connector/Python (3.4) 2.1.4	Ready to install		
MySQL Connector/C 6.1.6	Ready to install		
MySQL Documentation 5.7.17	Ready to install		
Samples and Examples 5.7.17	Ready to install		

Show Details >

Back Ignore Cancel
- MySQL Installer
Adding Community

Installation

Press Execute to upgrade the following products.

Product	Status	Progress	Notes
MySQL Server 5.7.17	Complete		
MySQL Workbench 6.3.8	Complete		
MySQL Notifier 1.1.7	Complete		
MySQL For Excel 13.6	Complete		
MySQL Utilities 1.6.4	Complete		
Connector/ODBC 5.3.6	Complete		
Connector/C++ 1.1.7	Complete		
Connector/J 5.1.40	Complete		
Connector/NET 6.9.9	Complete		
Connector/Python (3.4) 2.1.4	Complete		
MySQL Connector/C 6.1.6	Complete		
MySQL Documentation 5.7.17	Complete		
Samples and Examples 5.7.17	Complete		

Show Details >

Back Next > Cancel
- MySQL Installer
Adding Community

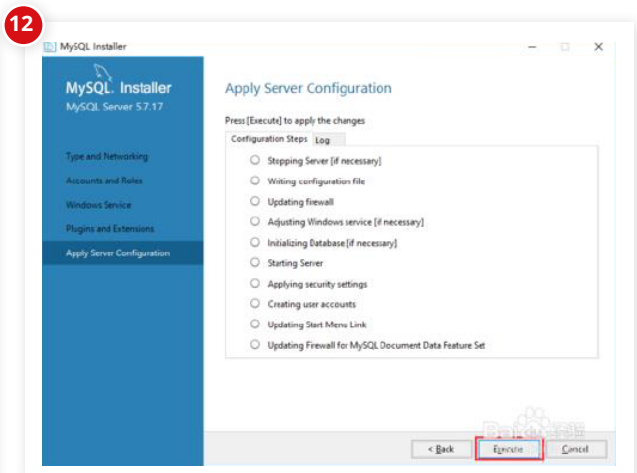
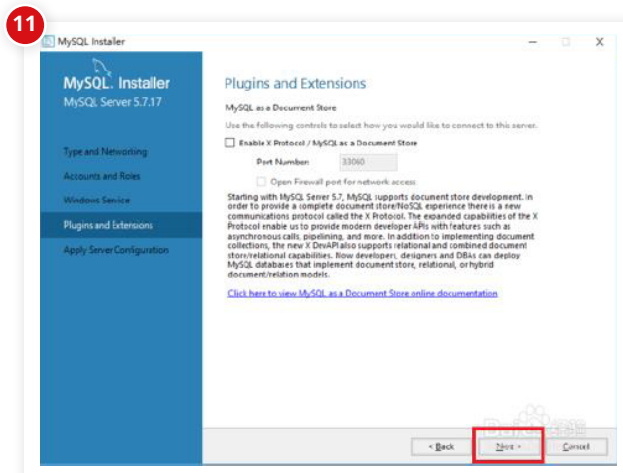
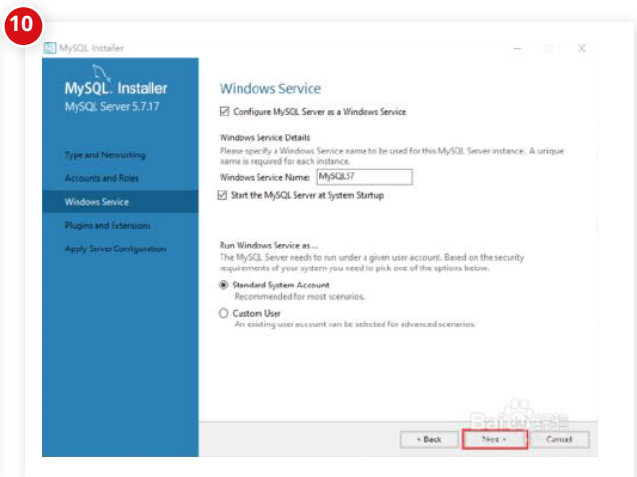
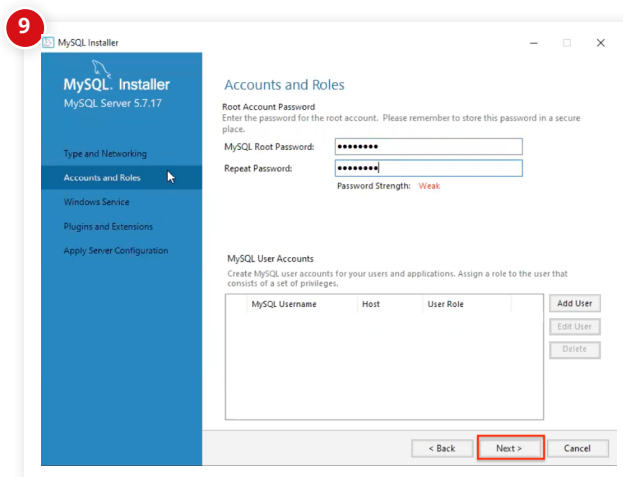
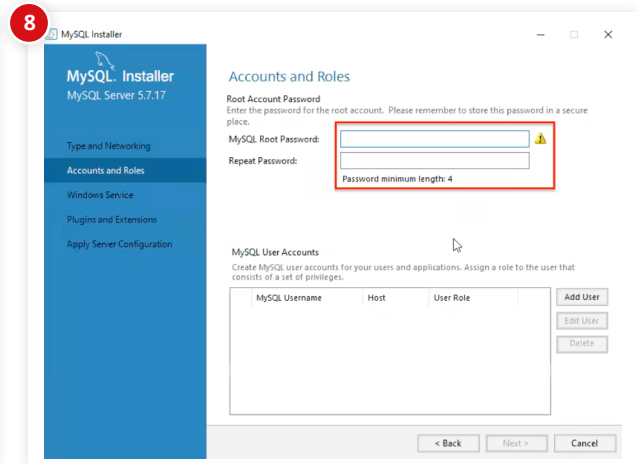
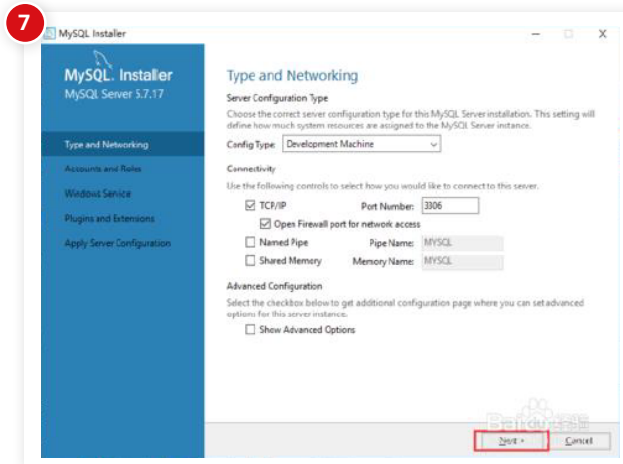
Product Configuration

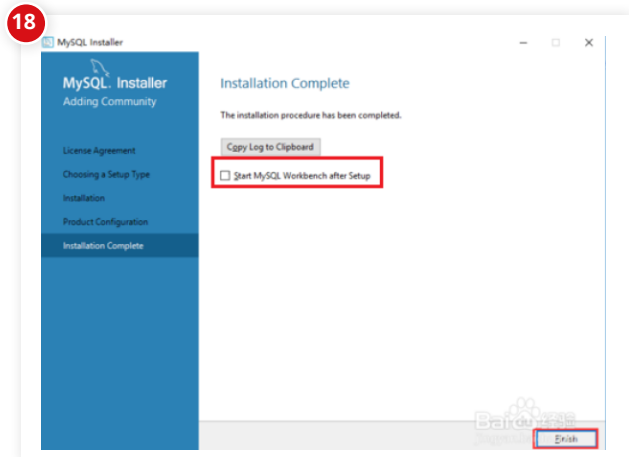
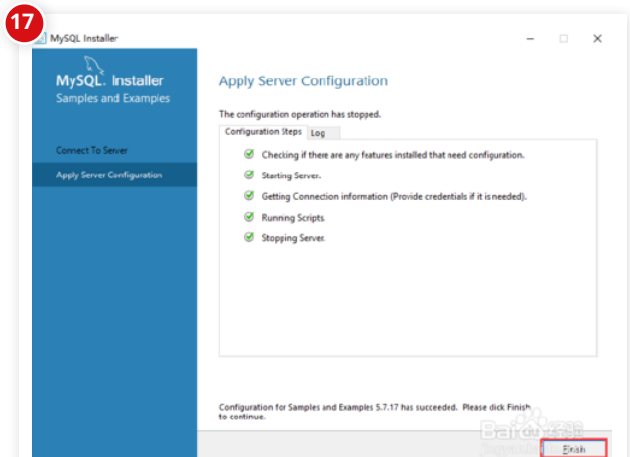
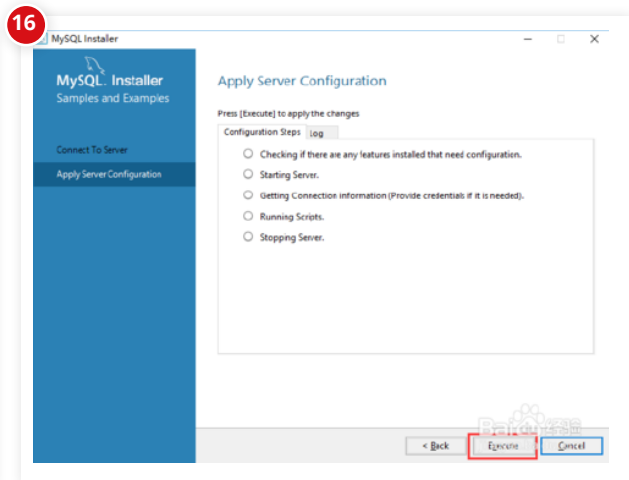
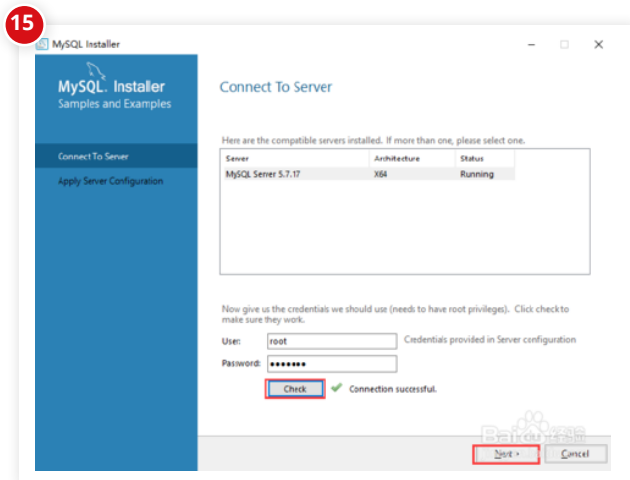
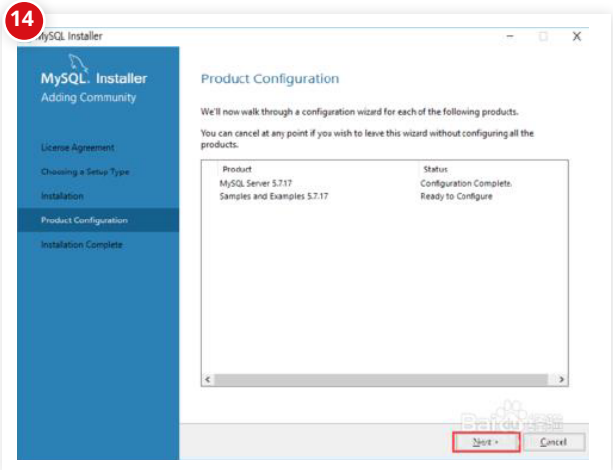
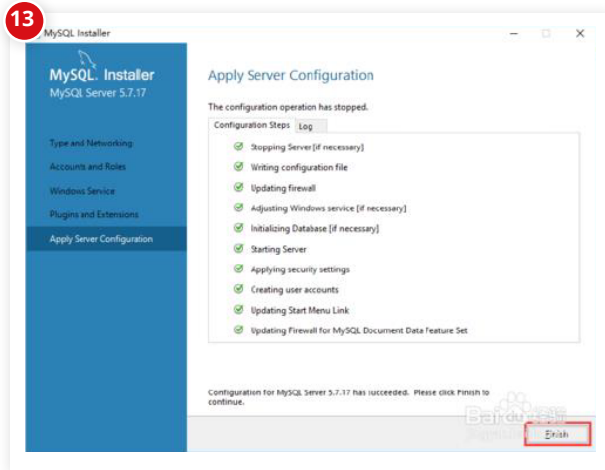
We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

Product	Status
MySQL Server 5.7.17	Configuration Complete.
Samples and Examples 5.7.17	Ready to Configure

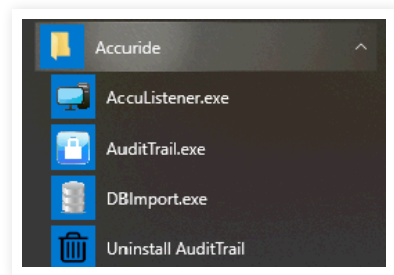
Back Next > Cancel



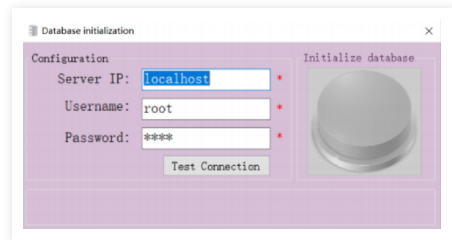


Configure Your Database

1. Click **Start** on your desktop.
2. Click the **Accuride** folder.



3. Click **Database initializer**.



4. You will see a "Database initialization" menu with three areas of configuration and default values:

Server IP -> "localhost"

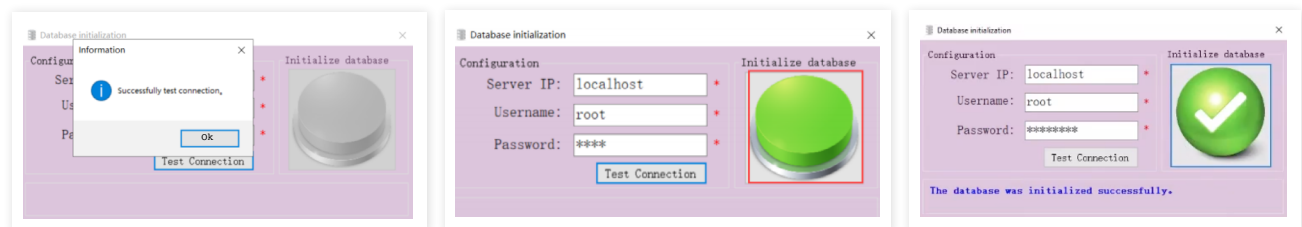
Username -> "root"

Password -> same as your database's setting password when installing MySQL.

5. You do not need to change your Server IP value. You can change your Username value if you created another user name when you installed the database.

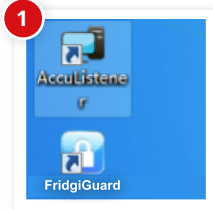
6. Click **Test Connection**.

7. Once tested, you will receive a prompt confirming a successful test connection.

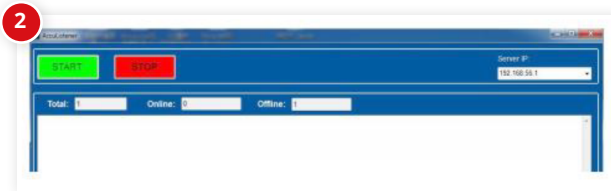


8. The "Initialize database" button on the right will turn **green**. Click it to complete your configuration.

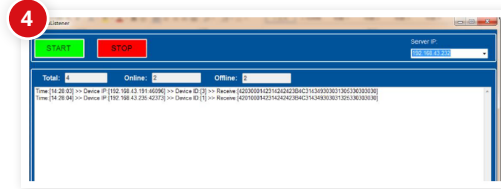
V. AccuListener



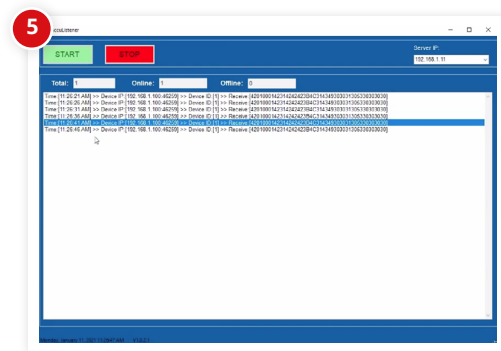
Double-click the AccuListener icon on your desktop.



This will bring up the AccuListener window.



Click the ▼ under "Server IP" to open a drop-down list. This list reveals your local computer's IP.



Click **START** to see real-time information from AccuListener.

- **START** sets your system to receive and process messages from your device.
- **STOP** sets your system to stop receiving messages.

Troubleshooting

NOTE: The AccuListener will not show data until the FridgiGuard lock has been set up properly.

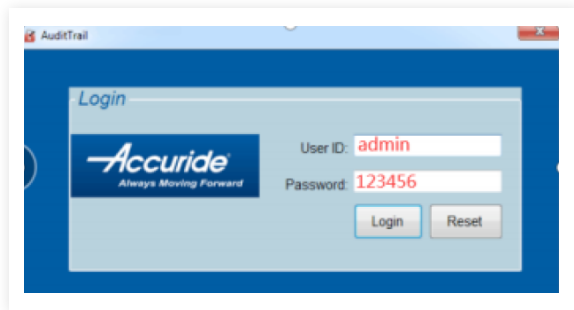
If you have set up the lock properly and AccuListener isn't receiving messages...

- Your computer's firewall will block AccuListener from network access until it receives approval.
- Verify that your device's server IP matches your computer's IP.

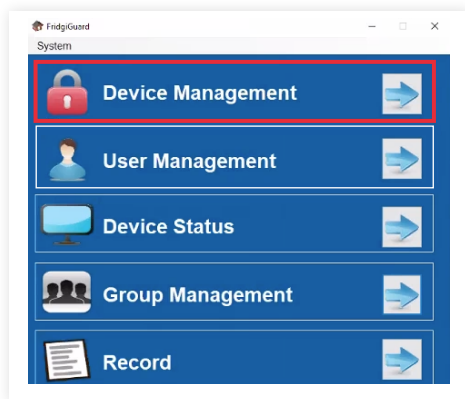
If you receive an error message...

- Check the icon on the lower right of your desktop menu to verify AccuListener is already active.

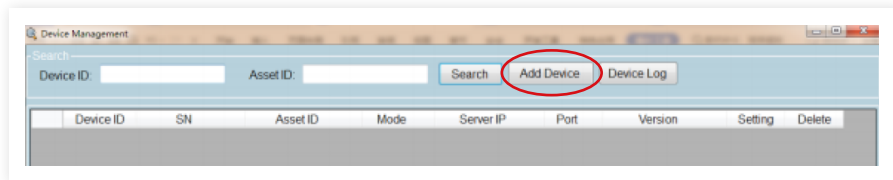
VI. USING FRIDGiGUARD & AUDIT TRAIL OPERATION



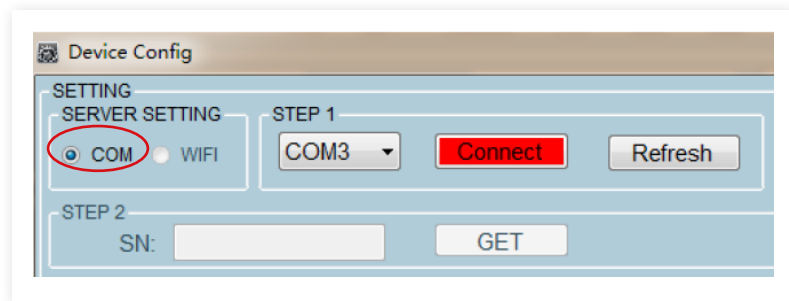
1. Login with your user ID and password. Default user is **admin** and default password is **123456**.



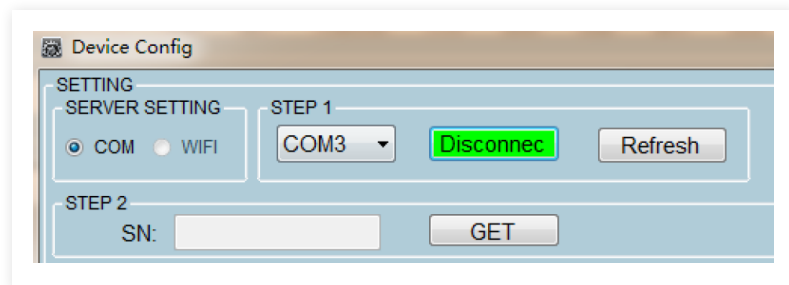
2. This is the main menu. Select **Device Management**.
3. Connect the Power Supply to the FridgiGuard Electronic Lock.
4. The FridgiGuard's LED light will turn **green** to signal its powered.
5. Connect the FridgiGuard to your computer via USB.



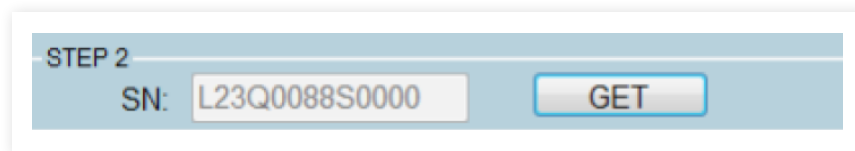
6. On your computer, click **Add Device**. This will bring up a “Device Config” menu.



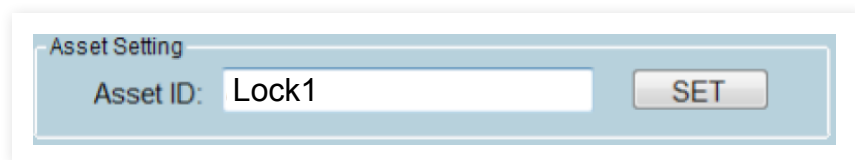
7. Select **COM** on the upper left of the “Device Config” menu.



8. Under STEP 1, select the COM number. Click the **Connect** button next. (The button should turn green once you click Connect.)

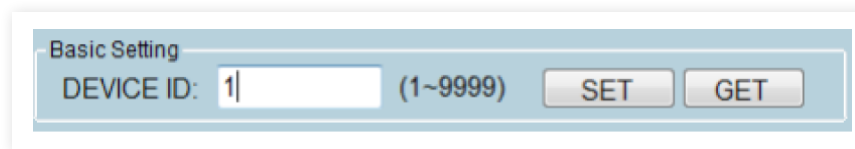


9. Under STEP 2, click the GET button to find the Serial Number (SN).



10. In the “Asset ID” field, enter an ID for your FridgiGuard Electronic Lock and click the **SET** button.

NOTE: Your FridgiGuard lock will disconnect and restart after your press “SET.”



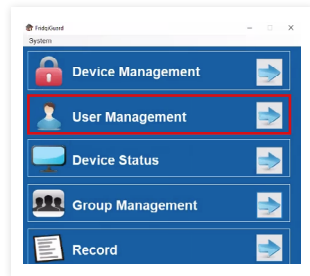
11. Next to the “DEVICE ID” field, click SET to your settings. Click **GET** to retrieve previous settings.

VII. SYSTEM SETTINGS

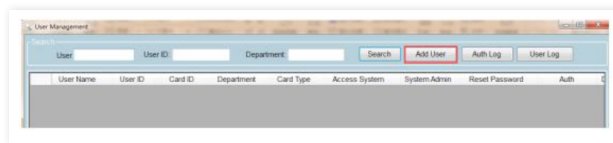
In the "SYSTEM" menu, you will find various adjustable settings:

Auto Lock Time	This setting adjusts the time when FridgiGuard automatically relocks an unlocked opening.
Postpone Time	This setting adjusts the time when FridgiGuard's alarm activates after an opening.
WIFI Interval	This setting determines how often FridgiGuard reports lock status to its server.
Net Mode	This setting lets you choose from DHCP (IP address automatically generated) or STATIC.
Remote	This setting lets you unlock a secured compartment remotely. A ✓ in the box means remote unlocking is on.
SD	This setting saves backup data onto an SD card. A ✓ in the box means SD backup is on.
Mode	<p>This setting lets you choose from three modes.</p> <p>Basic Mode Swipe any card to unlock.</p> <p>Dual Mode Swipe any two cards simultaneously to unlock.</p> <p>Authorization Mode An Admin Card can unlock by itself, or swipe the Auth Card first followed by a User Card to unlock.</p>
RTC Time	This setting sets the time for your system.
Net Setting	This setting lets you retrieve and input network information. Note: This mode is only available when the STATIC setting is selected in "Net Mode."
Firmware Version	This setting shows the version of your FridgiGuard firmware. Click GET VER to update firmware (if an update is available).
Open Interval	This setting determines the interval between unlocking for a user.
Server & Router	<p>This finalizes your FridgiGuard system's server and router setting. There are four fields:</p> <p>SERVER IP: Current PC IP</p> <p>PORT: 9527</p> <p>SSID: Your WiFi network's name</p> <p>PASSWORD: Your WiFi network's password</p>
Sync Auth	This setting lets you sync a user to a device. You must add and authorize a user before you can apply this option.
Debug Mode	This mode enables technical staff to debug equipment.

VIII. USER MANAGEMENT



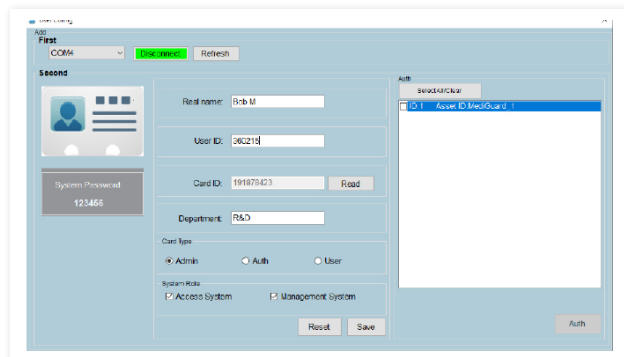
1. Select **User Management** on the main menu.



2. On the “User Management” menu, click Add User. **NOTE:** Adding a user requires a lock to be connected to a computer beforehand.

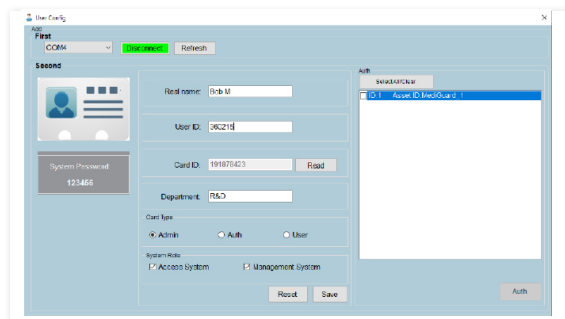


3. Choose a COM from the drop-down menu. Once selected, the **Connect** button to the right will turn **green**. This indicates a successful connection.

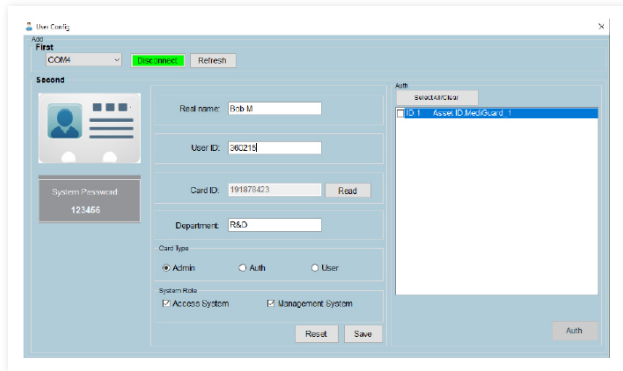


4. Fill in user information. Apply the name and User ID manually.

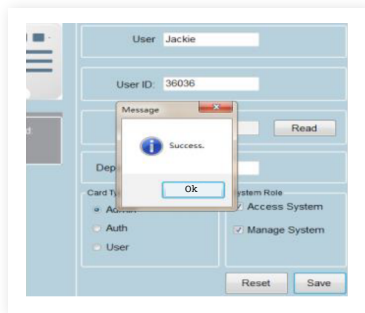
5. To populate your Card, place an RFID card in front of your FridgiGuard device and click **Read**. The device will beep and then populate values.



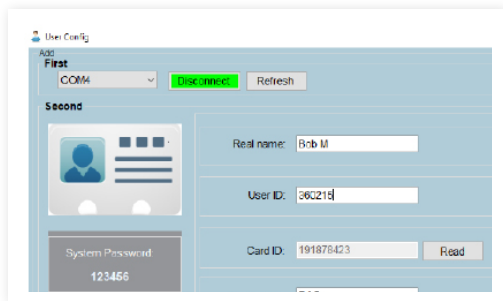
6. Select the appropriate card type: Admin, Auth, or User.



7. Check valid boxes for your system role. "Access System" permits access to the management system. "Management System" grants an administrator all authorizations. The initial password for both is **123456**.



8. Click **Save**. You should receive a message labeled "Success."



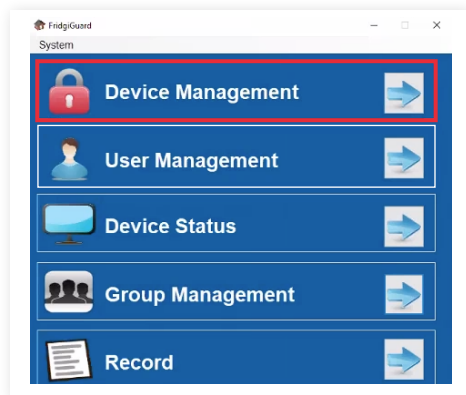
9. Within the same menu, you can see a list of devices add to your system.
10. Check the box next to a device that needs authorization. Click the **Auth** button in the lower right. You should receive a message labeled "Success."

Synchronize Permissions

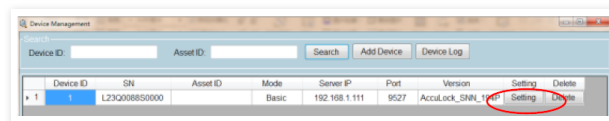
1. You synchronize permissions via COM or WiFi.

2. To synchronize via COM, connect your FridgiGuard device to its plugged-in power supply. You will see a green LED light flash on the device to signal its powered.

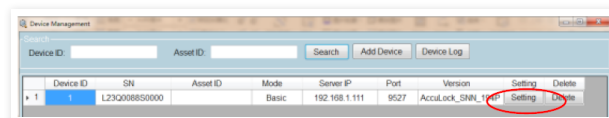
3. Next, connect the FridgiGuard to your computer via USB.



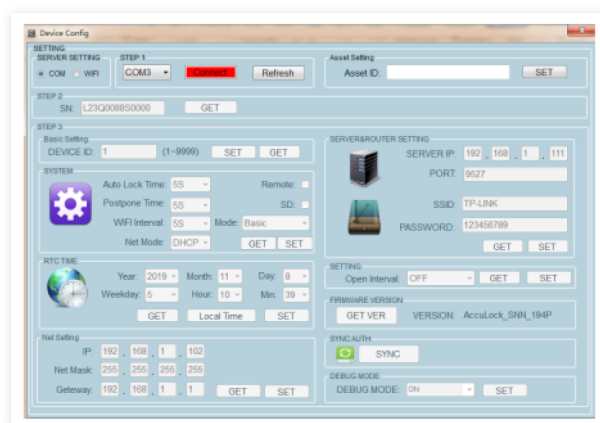
4. Select **Device Management** on the main page.



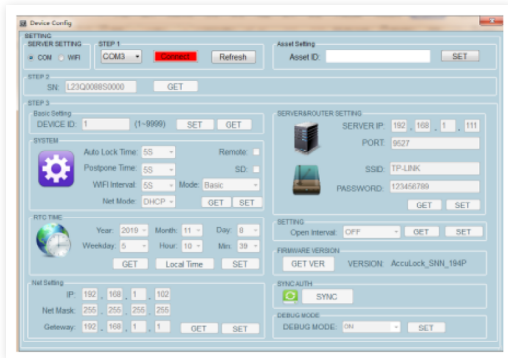
5. Select your device in the “Device Management” screen.



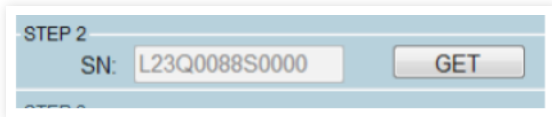
6. Click **Setting**.



7. Select “COM” under “SERVER SETTING” in the upper-left.



8. Click **Connect**.



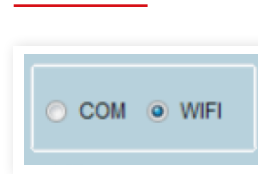
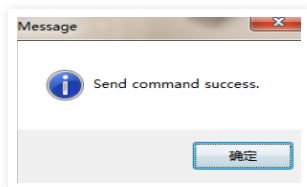
9. Click **GET** next to "SN" so you can retrieve the serial number.



10. Click **SYNC** in the lower right (under "SYNC AUTH").



11. You should receive a "Success" message.



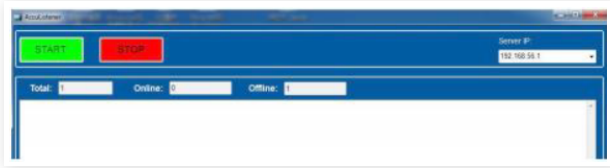
12. To synchronize via WiFi, first verify AccuListner is open and can receive messages from the FridgiGuard.

13. In the "Device Management" screen, select "WIFI" in the upper-left.

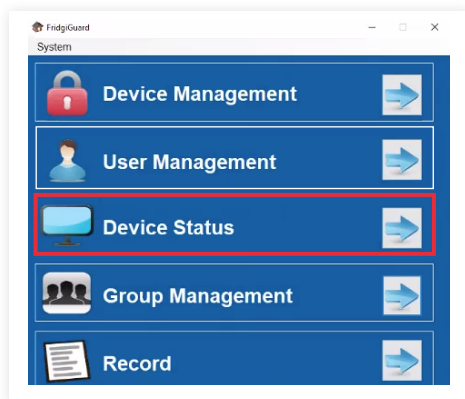
14. Click **SYNC**.

15. You should receive a success message. Wait several seconds as permissions with the connected device will update automatically.

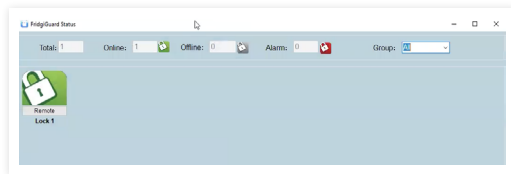
Device Status



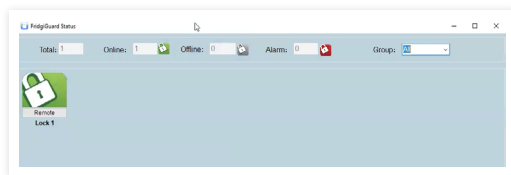
1. Verify AccuListener is open and able to receive messages from your FridgiGuard device.



2. Click **Device Status** on the main menu.



3. The top of the next screen lists number of FridgiGuards in your system, their status, and any alarms.



4. The “Group” option on the right lets you display devices by group.

5. Selecting a group will bring up a list of devices in that category.

Status Types



Online and Normal



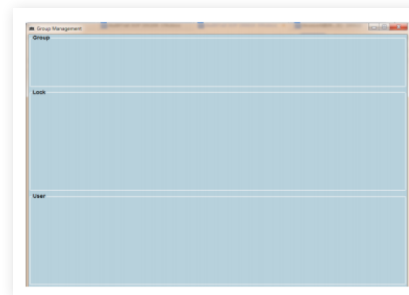
Online and Alarm



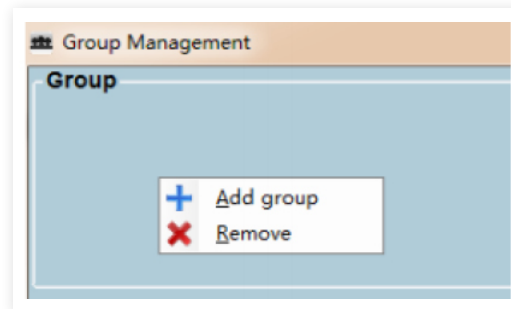
Offline

Remote Unlock

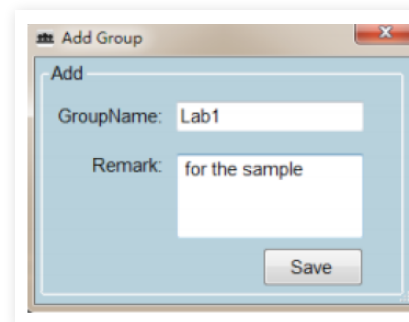
1. Click the "Remote" button on a device icon to unlock that device by computer.
2. Hover your mouse over that a device icon to bring up its ID.
3. Right-click a device icon to view that last record of it being unlocked.
4. The "LastRecord" window will load relevant, including the User ID, User Name, and Open Time that device was last opened.



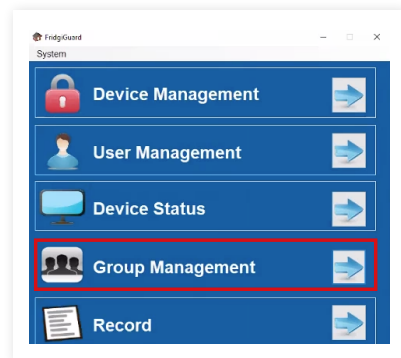
2. In "Group Management" screen, right-click the "Group" area.



3. This will create a prompt to add or remove a group.

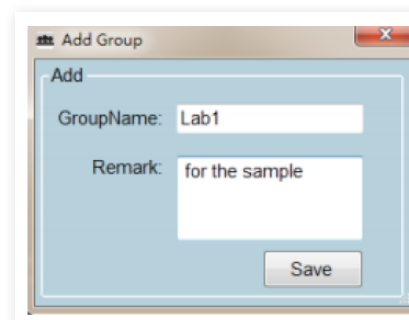


Group Management



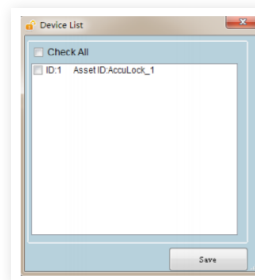
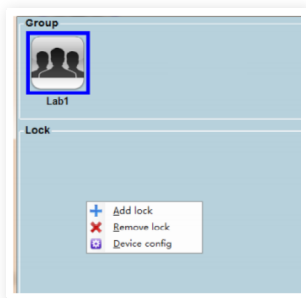
1. For simplified management of devices, click "Group Management" on the main menu.

4. When adding a group, type in a group name and a remark/description.



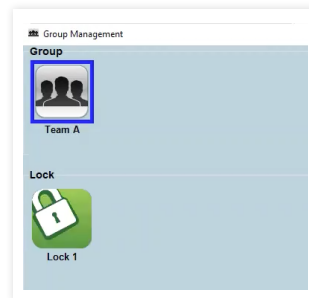
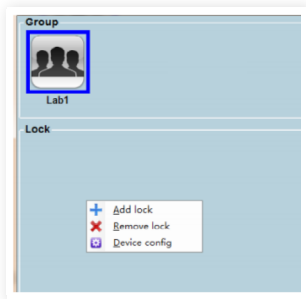
5. Click **Save**.

Adding a Device to a Group



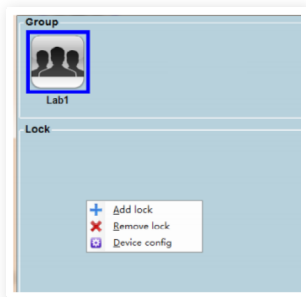
1. Under "Group," left-click the group you want for the device to be added.

5. Click **Save**.

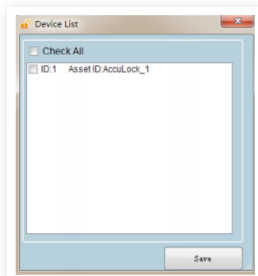


6. You should now see the device in the "Lock" area.

2. Right-click the "Lock" area below.



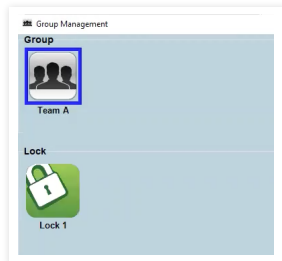
3. Left-click "Add Lock."



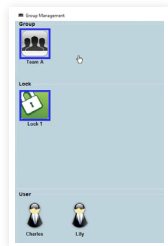
4. Check the device(s) you want added from the "Device List."

User Authorizations

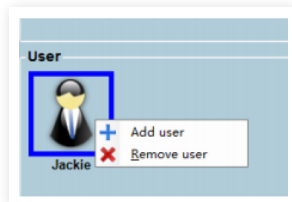
Add User



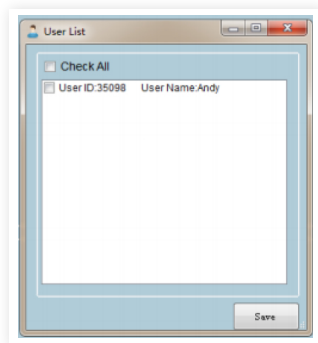
1. Left-click on a device under "Lock." This will list authorized users in the "User" area below.



2. To authorize a user, right-click the "User" area.



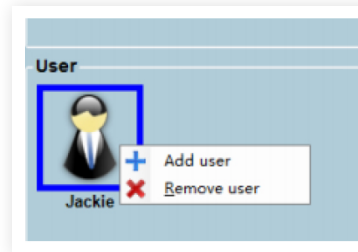
3. Left-click "Add User".



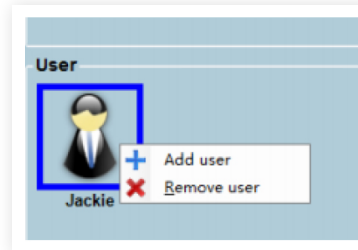
4. Check the user you wish to add from the "User List."

5. Click **Save**.

Remove User



1. To remove authorization, right-click over the user you wish to remove.

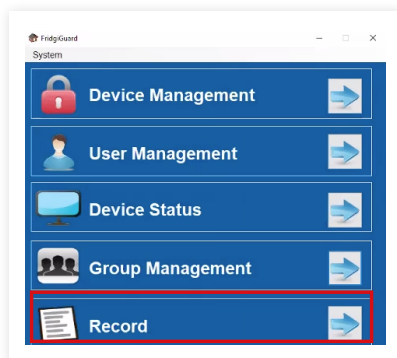


2. Left-click "Remove User."

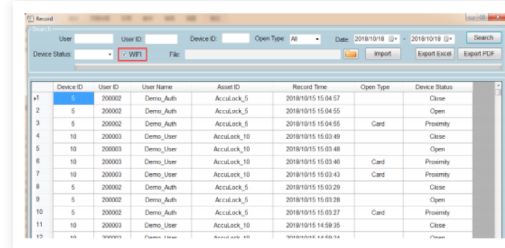
3. Click **Save**.

4. **NOTE:** Each lock must Sync to finalize any addition.

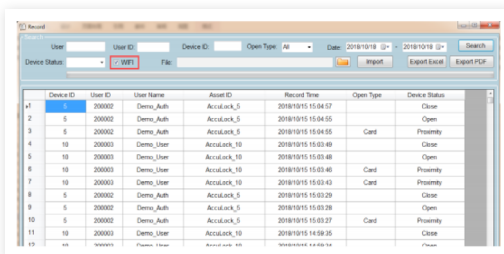
Record



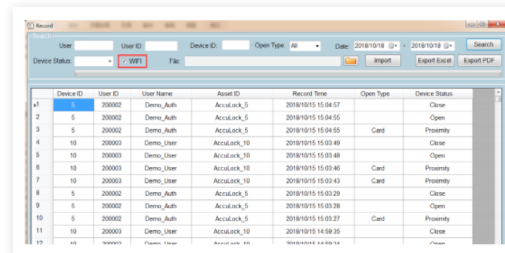
1. Click **Record** on the main menu.



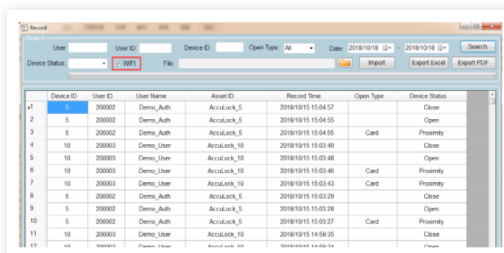
4. Unchecking the WiFi box means data comes by SD card solely. (SD card data must be imported manually.) Click Search to yield results.



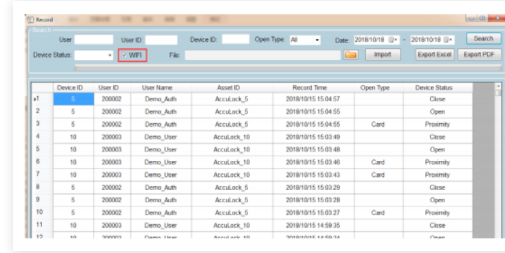
2. The "Record" menu lists online/offline records, data transfers to SD cards, and an export option to Excel or PDF.



5. Checking the WiFi box will show data received from WiFi and SD. Click Search to yield results.



3. You can query by date. The same start and end dates signal all data queried.



6. You can import offline records by clicking the Folder icon and selecting the folder you wish to import.

7. Click **Import** to proceed.

Last Steps

1

Swipe your FridgiGuard RFID card to unlock.

2

The lock will begin to alarm after the set opening time is exceeded.

3

The alarm will stop after the door is closed and locked.

FRIDGiGUARD™