FRIDGiGUARD™

01 / 2020

FridgiGuard User Guide - Software

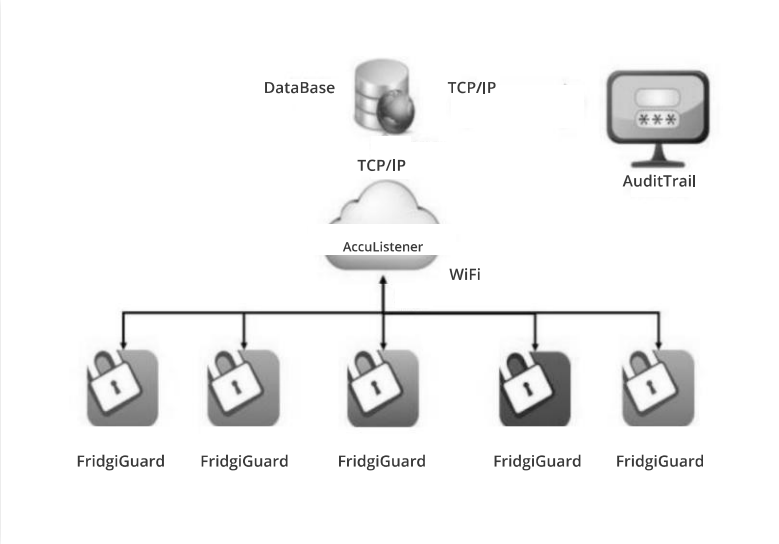
Ver. 1

Contents

I. Contents 1
II. System Architecture, Requirements and Hardware 2
III. Software Files 3
IV. Software Setup 4
V. AccuListener 10
VI. Using FridgiGuard & Audit Trail Operation 11
VII. System Settings 13
VIII. User Management 14

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
- Micro-USB Cable

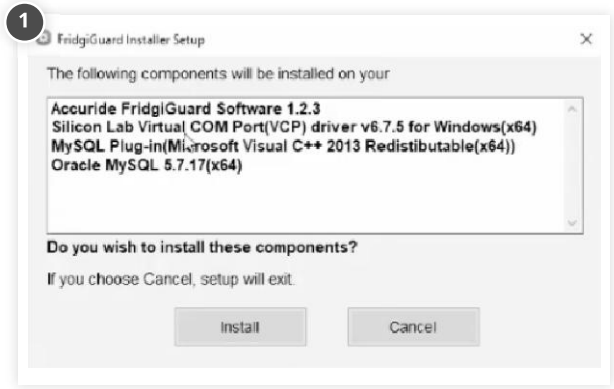
III. SOFTWARE FILES

IV. SOFTWARE SETUP

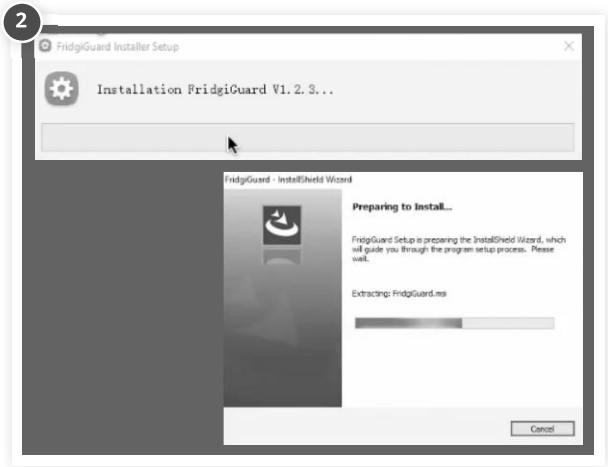
FridgiGuard Trail

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

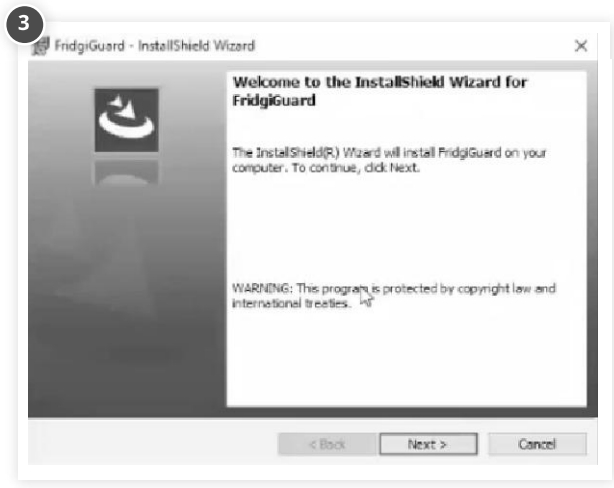
1



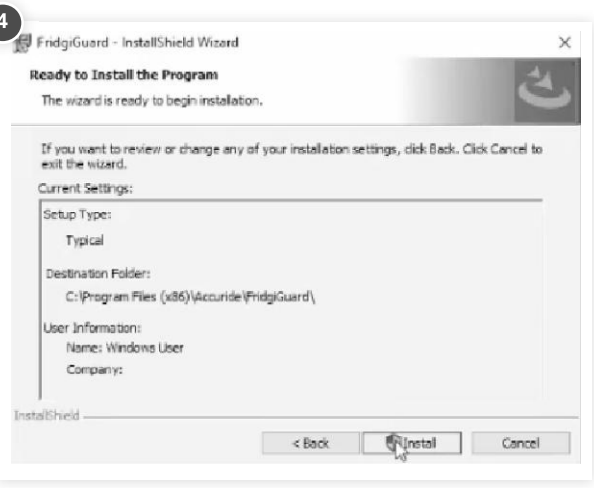
2



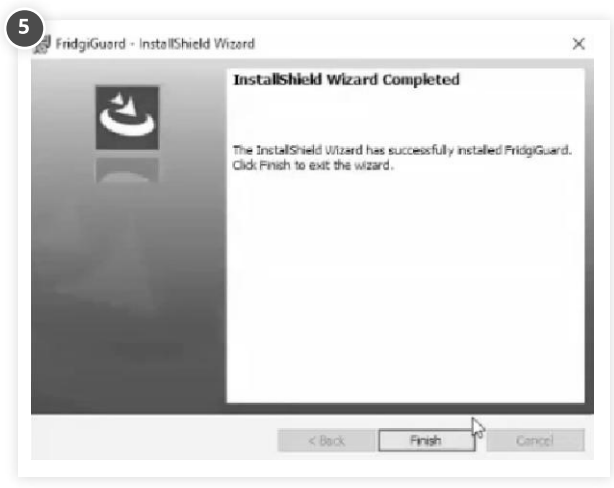
3



4

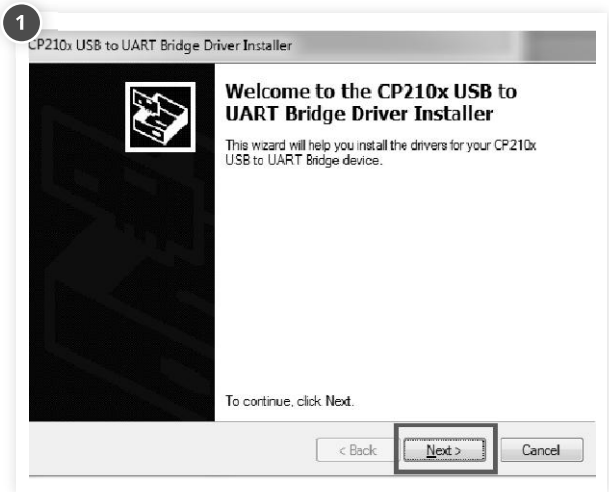


5

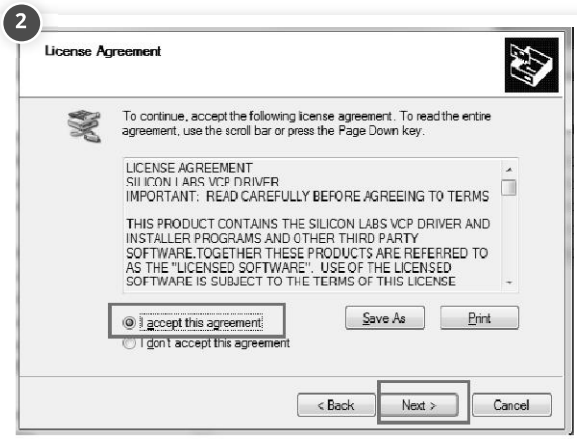


Virtual Com Port Driver

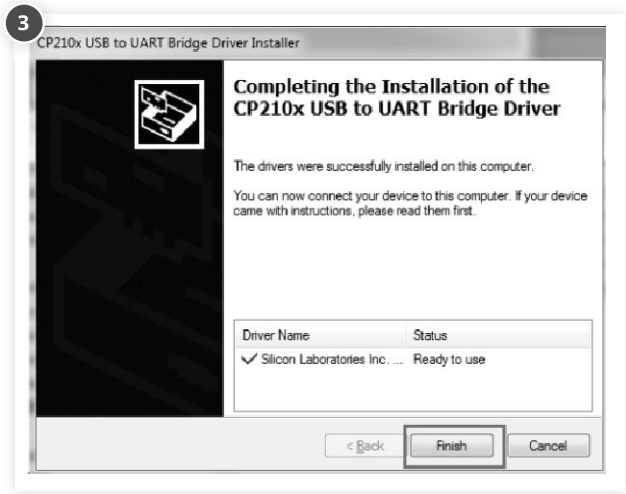
1



2

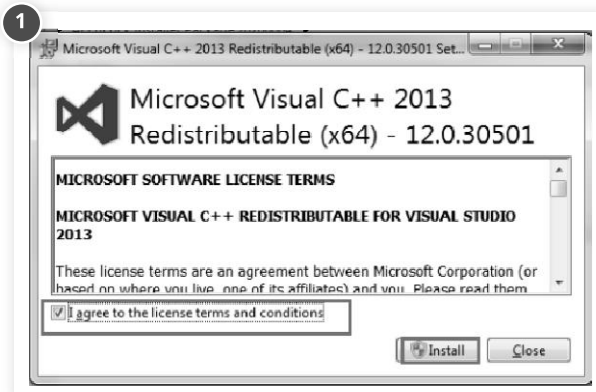


3

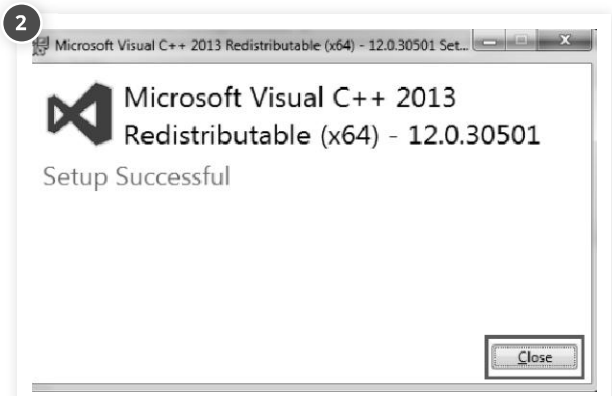


MySQL Plug-In (MS Visual C++ Redistributable)

1

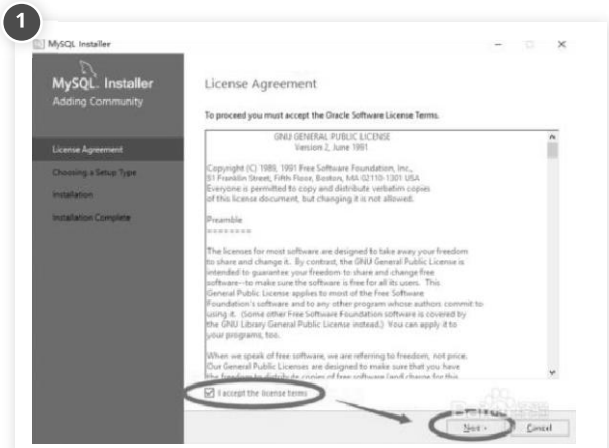


2

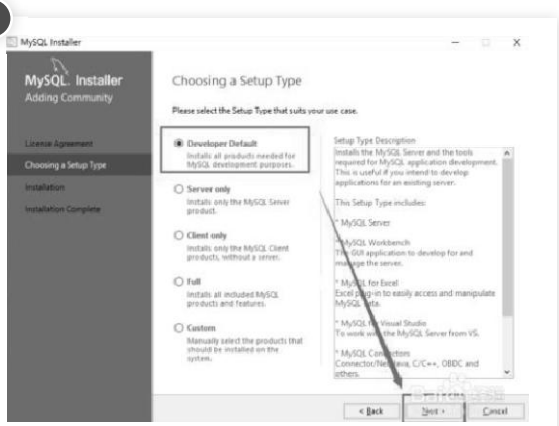


MySQL 5.7.1

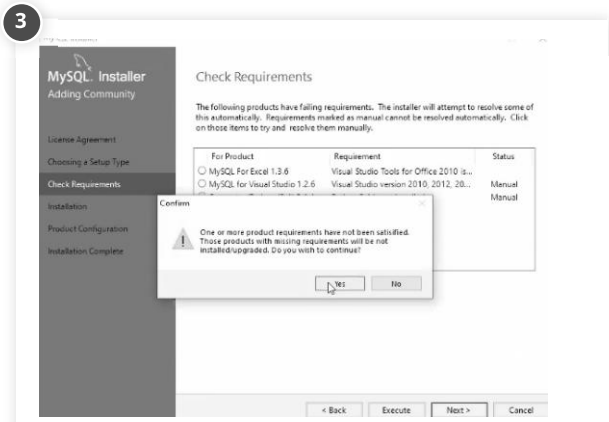
1



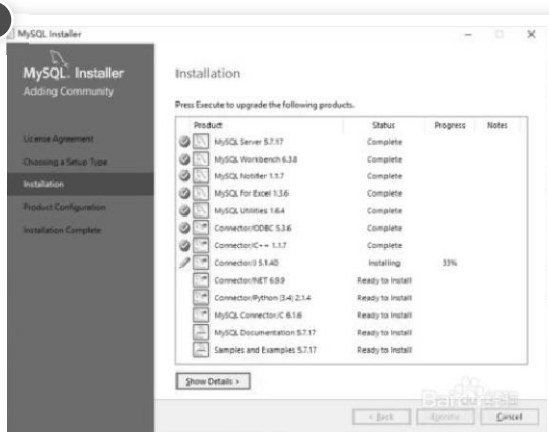
2



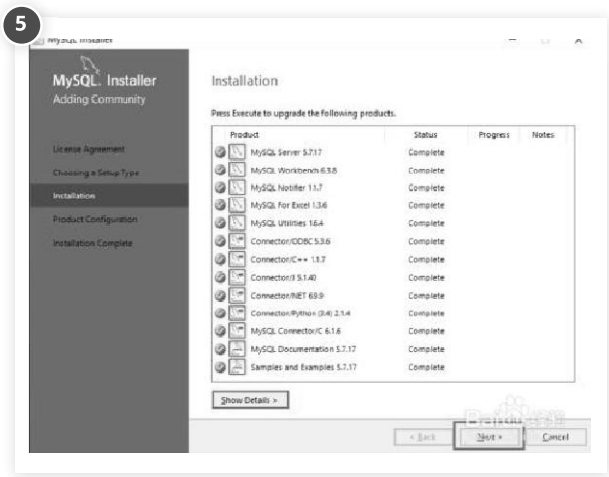
3



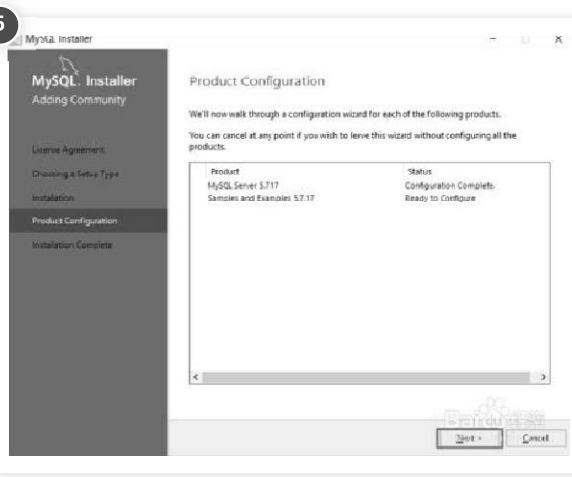
4



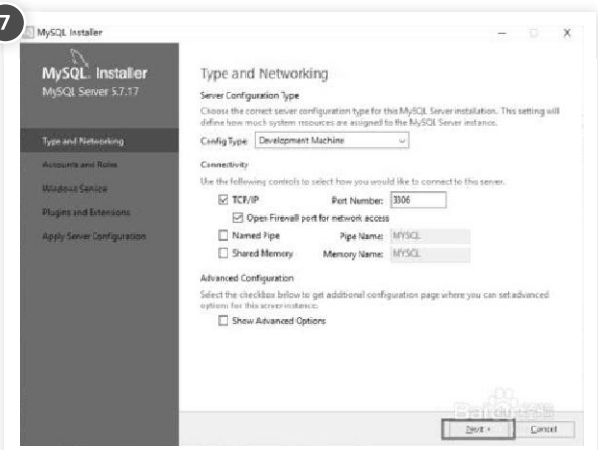
5



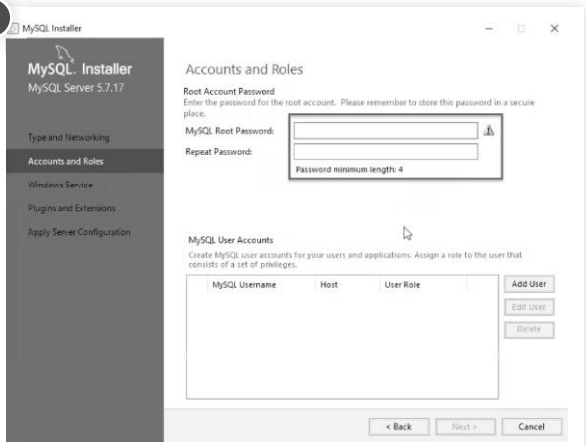
6



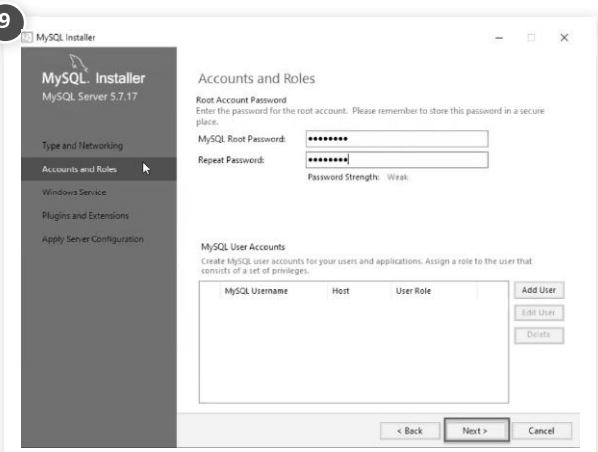
7


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Type and Networking
Server Configuration Type
Config Type: Development Machine
Connectivity
TCP/IP
Port Number: 3306
Open Firewall port for network access
Named Pipe
Pipe Name: MYSQL
Shared Memory
Memory Name: MYSQL
Advanced Configuration
Show Advanced Options
Next >
Cancel

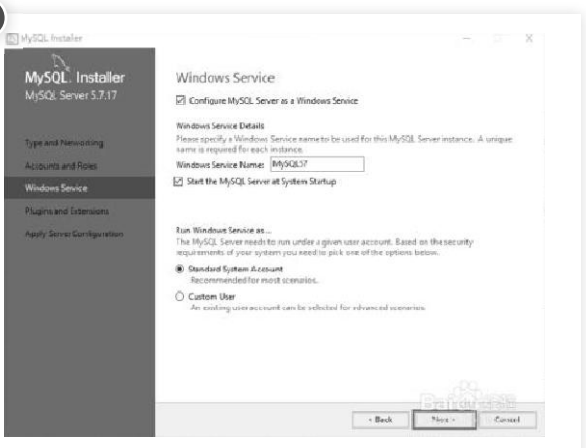
8


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Accounts and Roles
Root Account Password
MySQL Root Password:
Repeat Password:
Password minimum length: 4
MySQL User Accounts
MySQL Username
Host
User Role
Add User
Edit User
Delete
< Back
Next >
Cancel

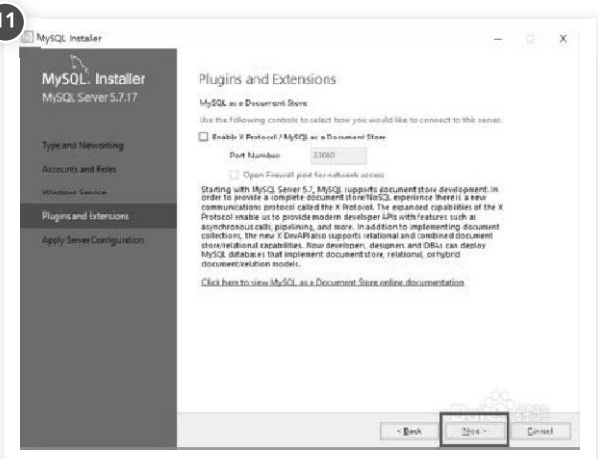
9


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Accounts and Roles
Root Account Password
MySQL Root Password:
Repeat Password:
Password Strength: Weak
MySQL User Accounts
MySQL Username
Host
User Role
Add User
Edit User
Delete
< Back
Next >
Cancel

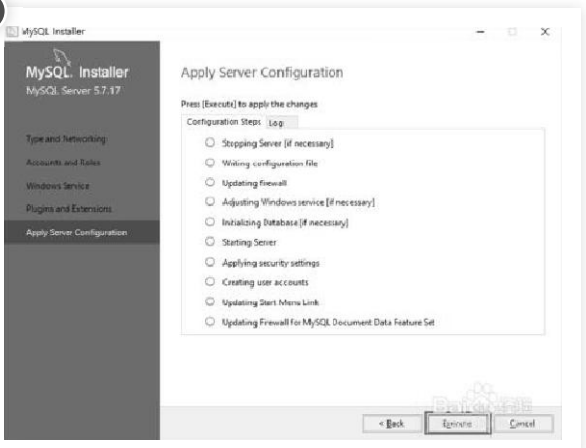
10


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Windows Service
Configure MySQL Server as a Windows Service
Windows Service Details
Windows Service Name: MySQL57
Start the MySQL Server at System Startup
Run Windows Service as...
Standard System Account
Custom User
< Back
Next >
Cancel

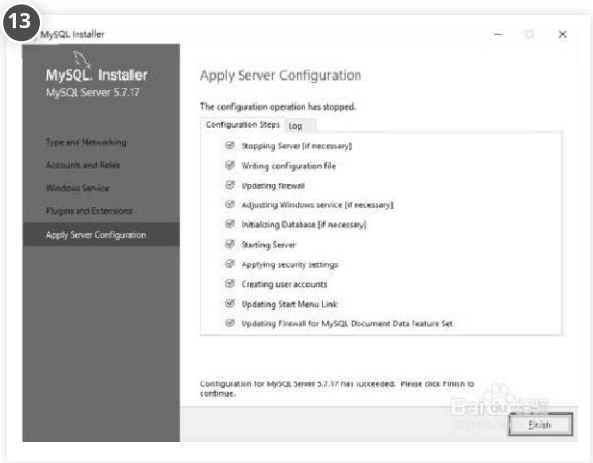
11


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Plugins and Extensions
MySQL as a Document Store
Enable X Protocol / MySQL as a Document Store
Port Number: 33060
Open Firewall port for network access
Click here to view MySQL as a Document Store online documentation
< Back
Next >
Cancel

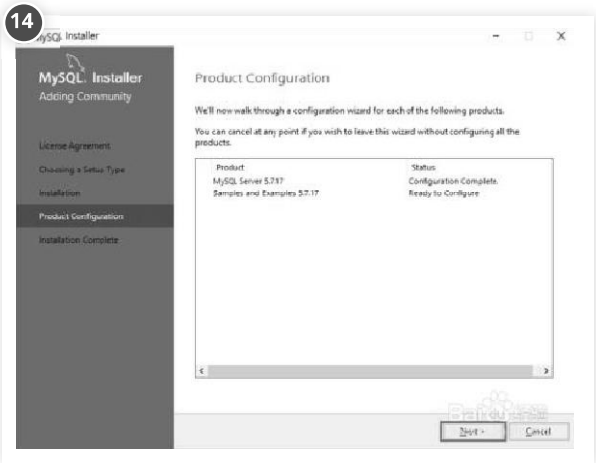
12


MySQL Installer
MySQL. Installer
MySQL Server 5.7.17
Apply Server Configuration
Press [Execute] to apply the changes
Configuration Steps
Log
Stopping Server (if necessary)
Writing configuration file
Updating Firewall
Adjusting Windows service (if necessary)
Initializing Database (if necessary)
Starting Server
Applying security settings
Creating user accounts
Updating Start Menu Link
Updating Firewall for MySQL Document Data Feature Set
< Back
Execute
Cancel

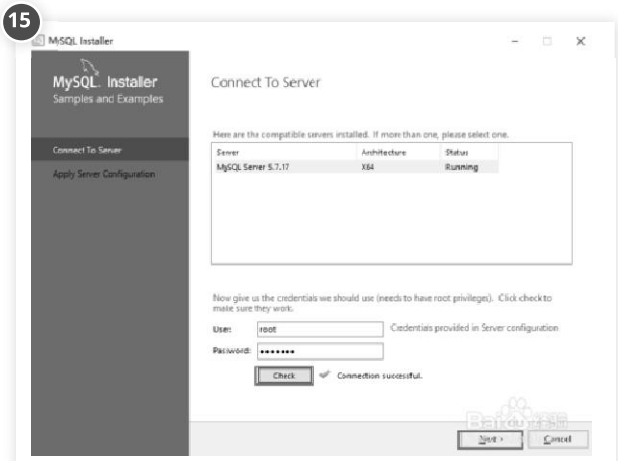
13



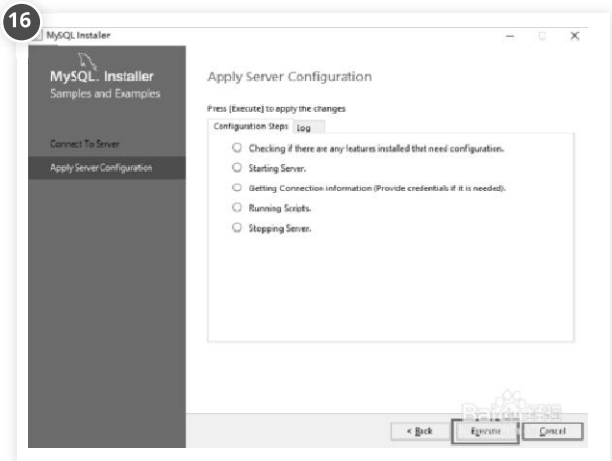
14



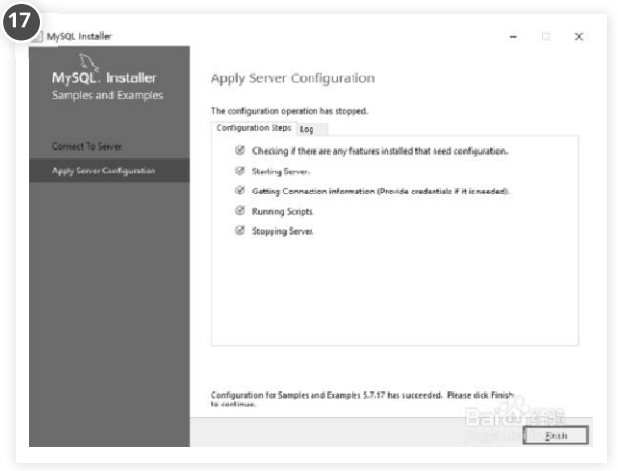
15



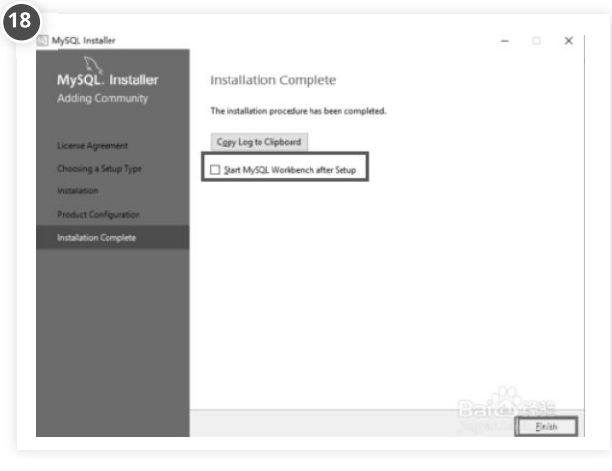
16



17

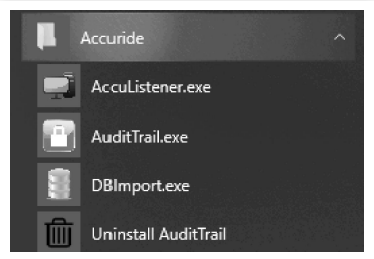


18

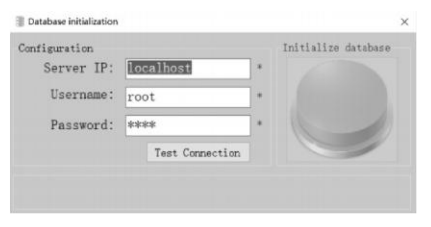


Configure Your Database

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



3. Click **Database initializer**.



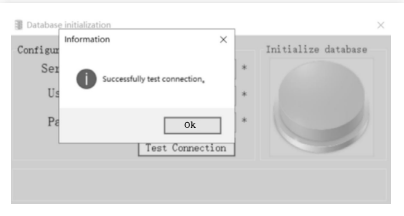
4. You will see a "Database initialization" menu with three areas of configuration and default values:

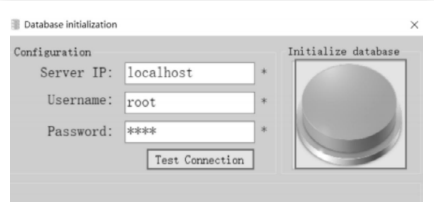
   Server IP -› "localhost"
   Username -› "root"
   Password -› same as your database's setting password when installing MySQL.

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.

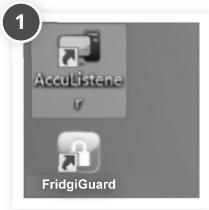




8. The "Initialize database" button on the right will turn **green**. Click it to complete your configuration.

V. AccuListener

1



Double-click the AccuListener icon on your desktop.

2

This will bring up the AccuListener window.

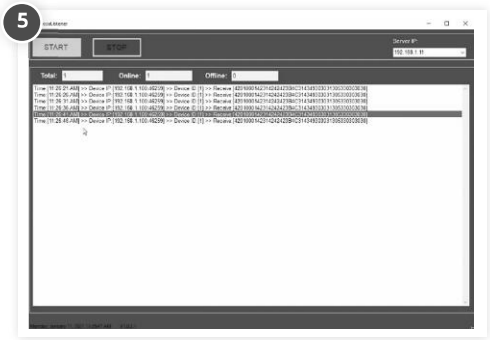
3

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

4

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

5



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

Troubleshooting

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

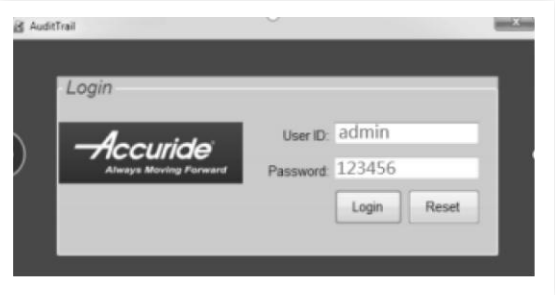
If you have set up the lock properly and AccuListener isn't receiving messages...

- 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.

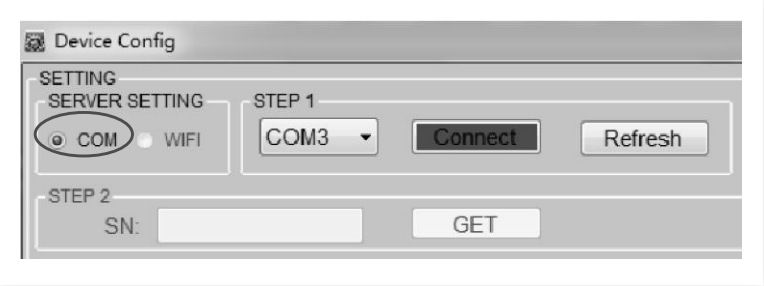
VI. USING FRIDGIGUARD & AUDIT TRAIL OPERATION



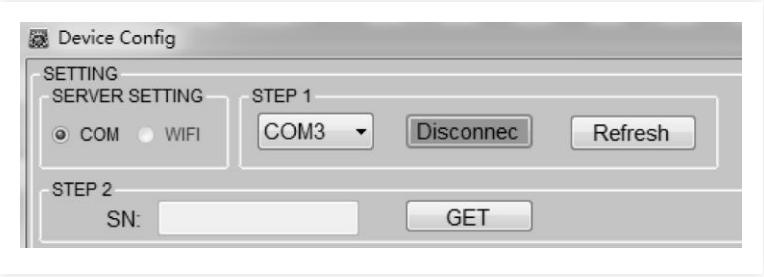
1. Login with your user ID and password. Default user is **admin** and default password is **123456.**

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.

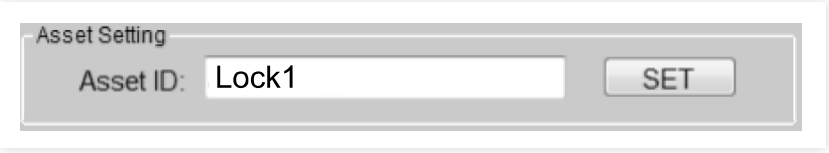


7. Select **COM** on the upper left of the "Device Config" menu.



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."

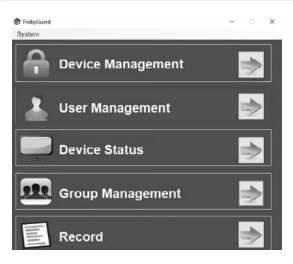
11. Next to the "DEVICE ID" field, click SET to your settings. Click **GET** to retrieve previous settings.

VII. SYSTEM SETTINGS

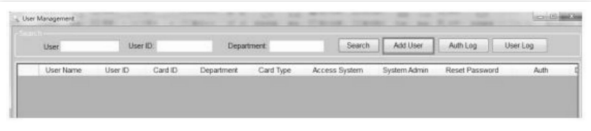
In the "SYSTEM" menu, you will find various adjustable settings:

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 in on.
SD	This setting saves backup data onto an SD card. A √ in the box means SD backup is on.
Mode	This setting lets you choose from three modes. **Basic Mode** Swipe any card to unlock. **Dual Mode** Swipe any two cards simultaneously to unlock. **Authorization Mode** An Admin Card can unlock by itself, or swipe the Auth Card first followed by a User Card to unlock.
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	This finalizes your FridgiGuard system's server and router setting. There are four fields: **SERVER IP:** Current PC IP **PORT:** 9527 **SSID:** Your WiFi network's name **PASSWORD:** Your WiFi network's password
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

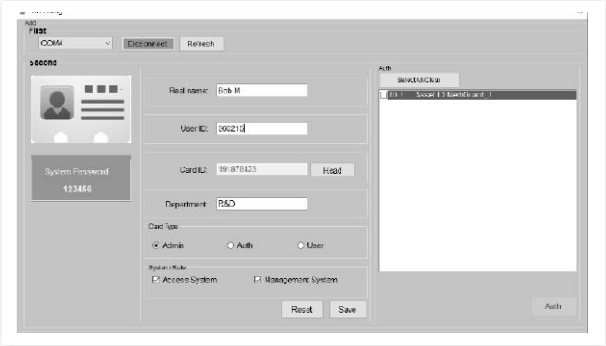


1. Select **User Management** on the main menu.



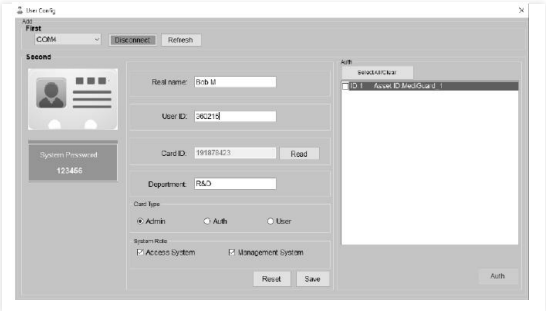
2. On the "User Management" menu, click Add User. **NOTE:** Adding a user requires a lock to be connected to a computer beforehand.

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.



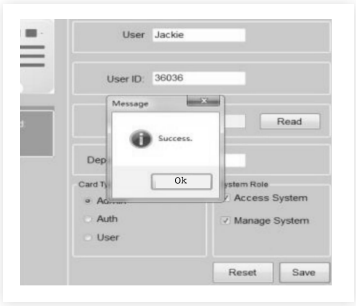
4. Fill in user information. Apply the name and User ID manually.

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.

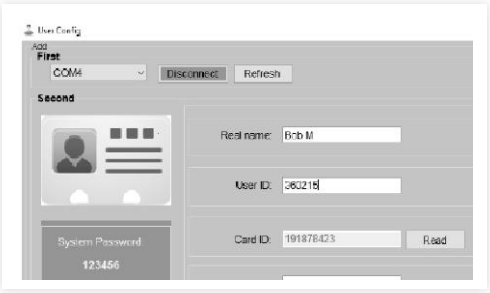


6. Select the appropriate card type: Admin, Auth, or User.

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.”

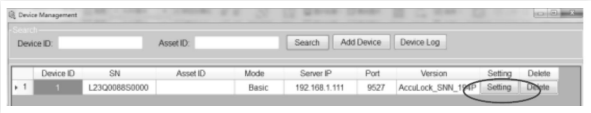
Synchronize Permissions

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.

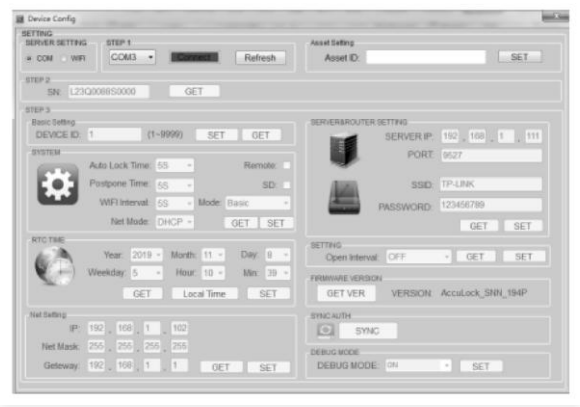
3. Next, connect the FridgiGuard to your computer via USB.

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

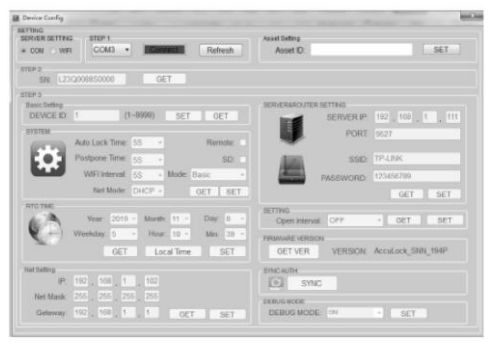


5. Select your device in the “Device Management” screen.

6. Click **Setting.**



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

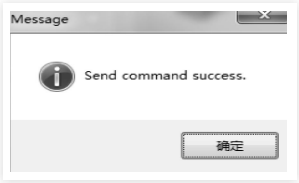


8. Click **Connect.**

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 AccuListnener is open and can receive messages from the FridgiGuard.

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

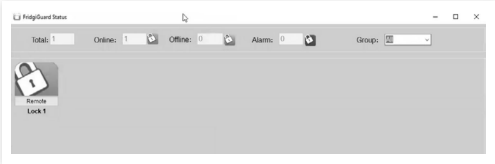
14. Click **SYNC.**

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

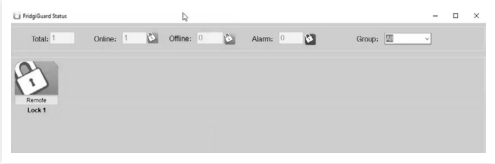
Device Status

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.

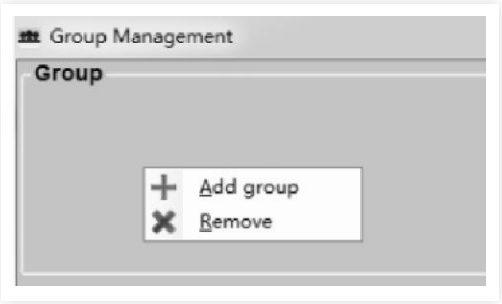
3. Right-click a device icon to view that last record of it being unlocked.

4. The “LastRecord” window will load relevant, including the User ID, User Name, and Open Time that device was last opened.

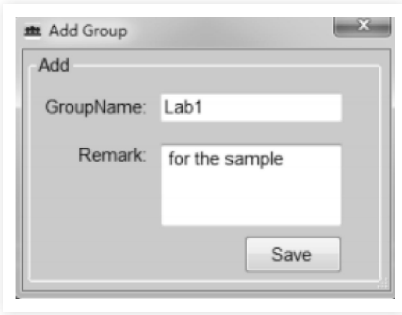
Group Management

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

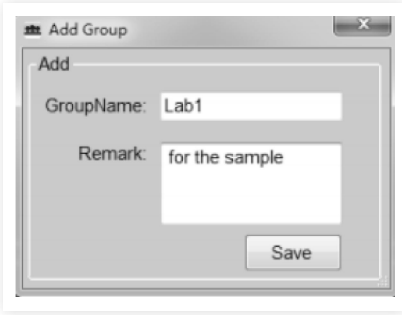
2. In “Group Management” screen, right-click the “Group” area.



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



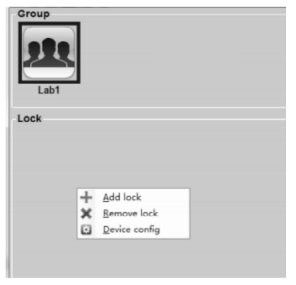
4. When adding a group, type in a group name and a remark/description.



5. Click **Save.**

Adding a Device to a Group

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

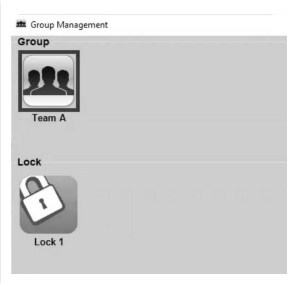


2. Right-click the “Lock” area below.

3. Left-click “Add Lock.”

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

5. Click **Save.**



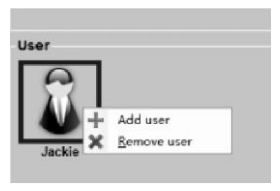
6. You should now see the device in the “Lock” area.

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.

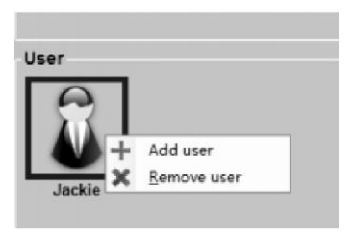


3. Left-click “Add User”.

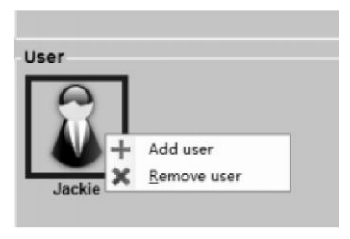
4. Check the user you wish to add from the “User List.”

5. Click **Save**.

Remove User



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



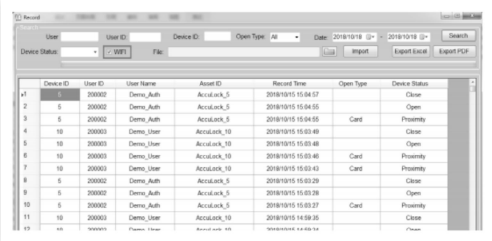
2. Left-click “Remove User.”

3. Click **Save.**

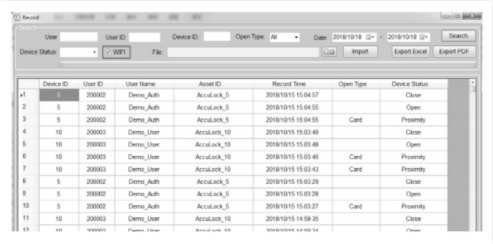
4. **NOTE:** Each lock must Sync to finalize any addition.

Record

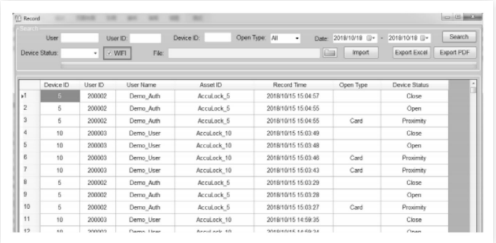
1. Click **Record** on the main menu.



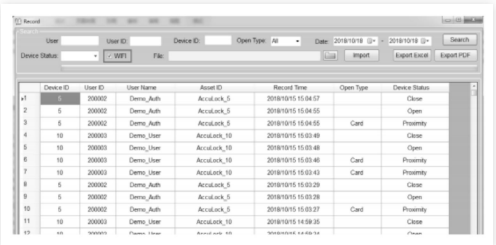
2. The “Record” menu lists online/offline records, data transfers to SD cards, and an export option to Excel or PDF.



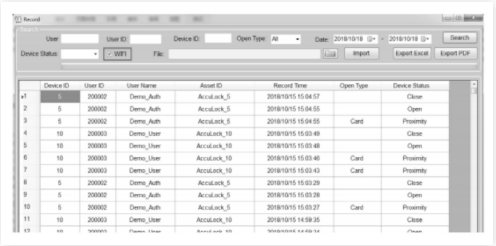
3. You can query by date. The same start and end dates signal all data queried.



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



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



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	2	3
Swipe your FridgiGuard RFID card to unlock.	The lock will begin to alarm after the set opening time is exceeded.	The alarm will stop after the door is closed and locked.

FRIDGiGUARD™