Quick Start Guide

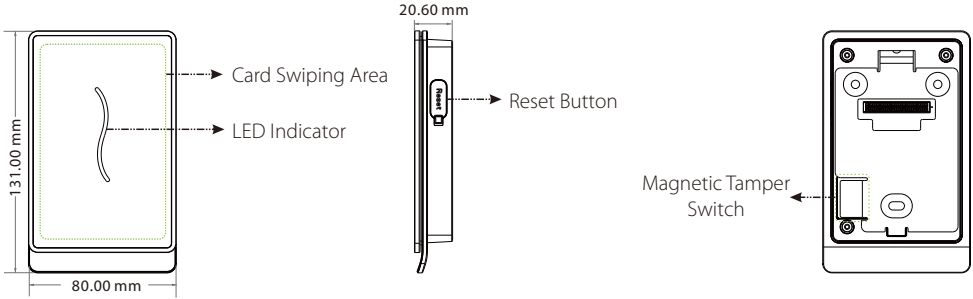
ProRF

Version: 1.1

Date: April 2024

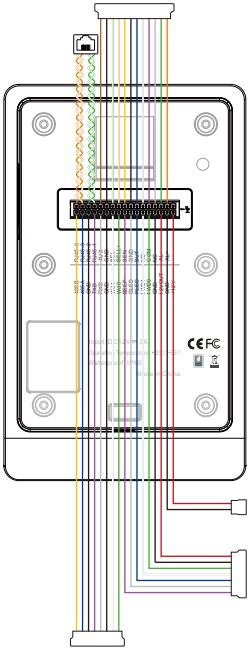
Green Label

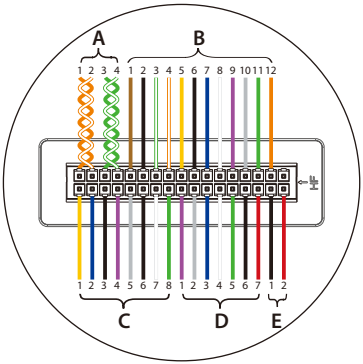
Overview



Name	Description
LED Indicator	• Green flashes once in a second: standby status. • Green glows continuously for 2 seconds: authentication success • Red glows continuously for 2 seconds: authentication failure
Reset	• Reboot the device: press the reset button and hold it for 3 seconds.
Magnetic Tamper Switch	• Restore factory settings • Tamper Switch: keep the magnetic tamper switch on the back plate, or it will trigger the tamper alarm.

Cables and Connectors



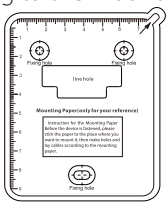


PIN	DESCRIPTION	WIRE	
D1	BEEP	Purple	
D2	GLED	Gray	
D3	RLED	Blue	
D4	IWD1	White	
D5	IWD0	Green	
D6	GND	Black	
D7	12VOUT	Red	
E1	GND	Black	
E2	+12V	Red	

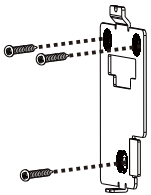
PIN	DESCRIPTION	WIRE	
A1	RJ45-6	Orange	
A2	RJ45-3	Orange+White	
A3	RJ45-2	Green	
A4	RJ45-1	Green+White	
B1	AUX	Brown	
B2	GND	Black	
B3	BELL-	Green+White	
B4	BELL+	Orange+White	
B5	SEN	Yellow	
B6	GND	Black	
B7	BUT	Blue	
B8	NO	White	
B9	COM	Purple	
B10	NC	Gray	
B11	AL-	Green	
B12	AL+	Orange	
C1	485B	Yellow	
C2	485A	Blue	
C3	GND	Black	
C4	TXD	Purple	
C5	RXD	Gray	
C6	GND	Black	
C7	WD1	White	
C8	WD0	Green	

Installation

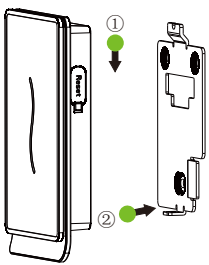
1) Paste the mounting template sticker on the wall, and drill holes according to the mounting paper.



2) Fix the back plate on the wall using wall mounting screws.

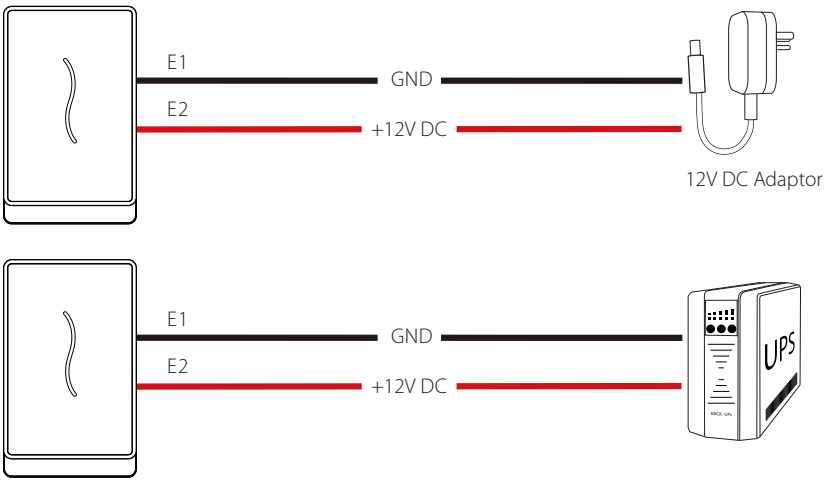


3) Attach the device to the back plate.



4) Fix the device to the back plate with a security screw.

Power Connection



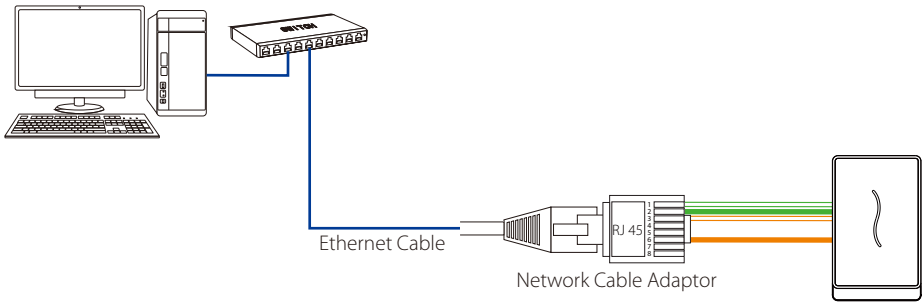
Recommended power supply

1)12V ± 10%, at least 3000mA.

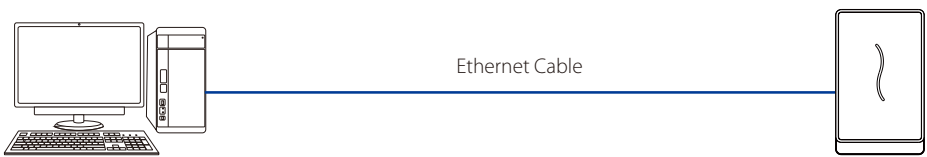
2)To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection

1) The device connects to the computer over an Ethernet through a switch.



2) The device directly connects to the computer.

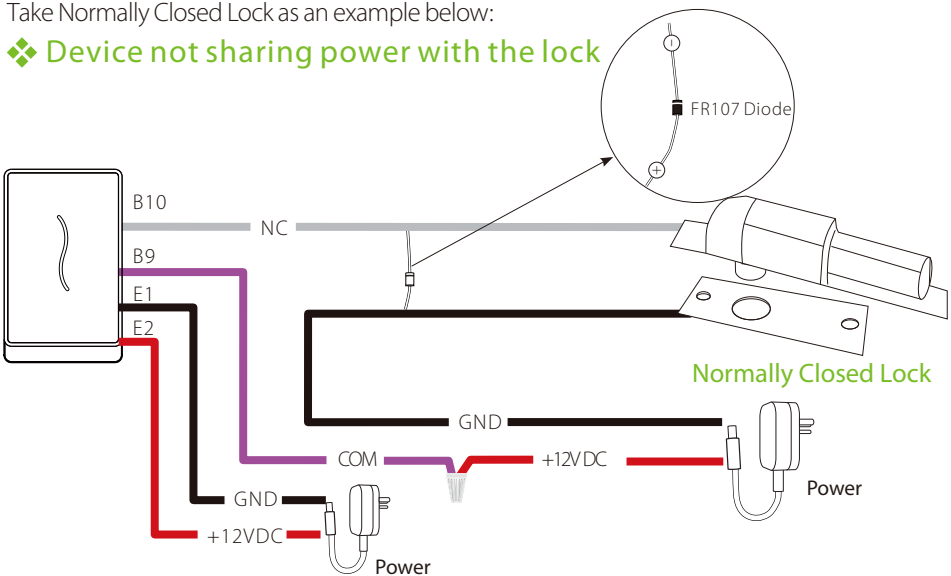


Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

Lock Relay Connection

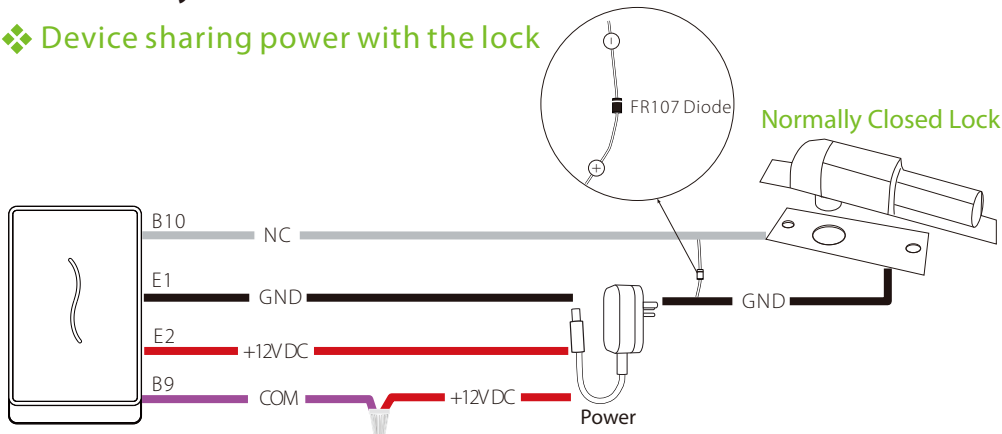
The system supports Normally Opened Lock and Normally Closed Lock.
Take Normally Closed Lock as an example below:

❖ Device not sharing power with the lock



Lock Relay Connection

❖ Device sharing power with the lock



Notes:

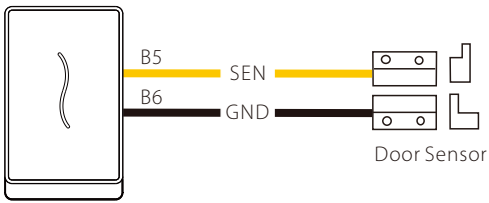
1.TThe NO LOCK (normally opened at power on) is connected with 'NO' and 'COM' terminals, and the NC LOCK (normally closed at power on) is connected with 'NC' and 'COM' terminals.

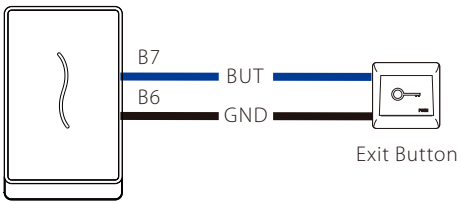
2. When electrical lock is connected to the Access Control System, you must add one FR107 diode in parallel (equipped in the package) to prevent the self-inductance EMF from affecting the system.

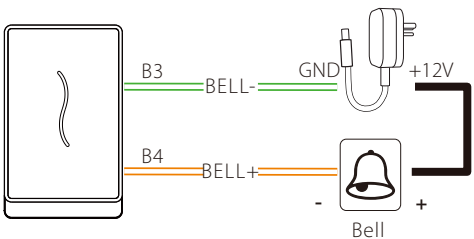
3. If you want the device and the lock to share a common power, split the power into two sets of wires out, one connecting to the device and one connecting to the lock.

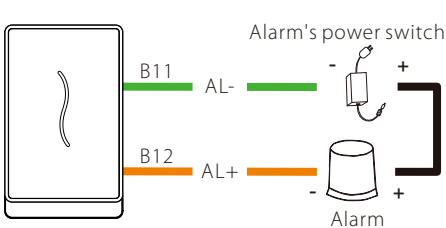
4.The 12VOUT terminal of the device is only used to power the reader or SRB, not the lock.

Door Sensor, Exit Button, Bell & Alarm Connection

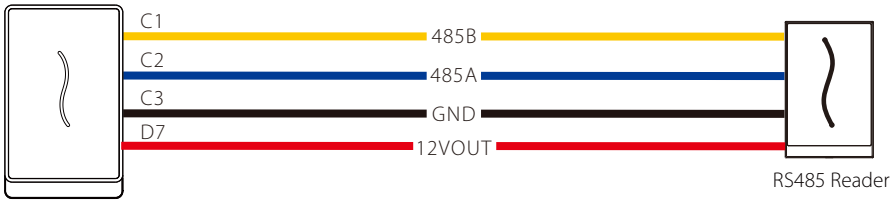




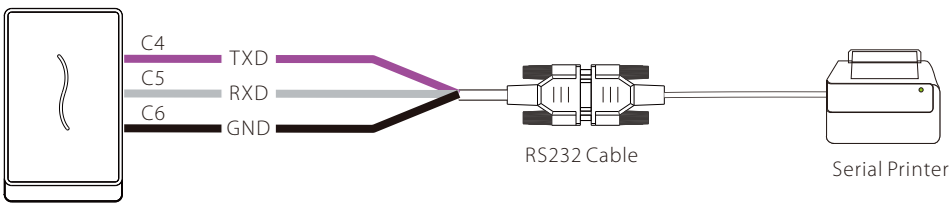




RS485 Connection

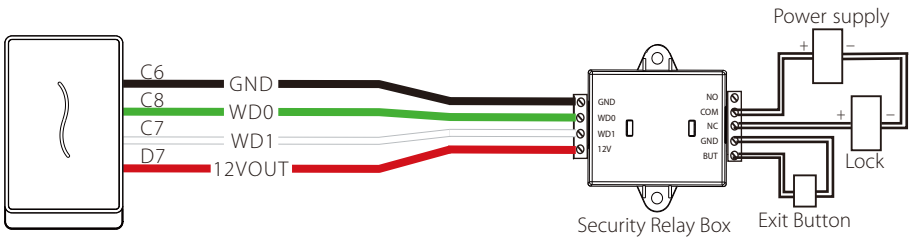


RS232 Connection (Optional)

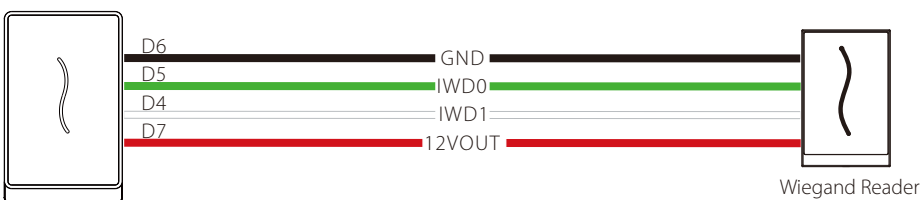


Wiegand Output Connection

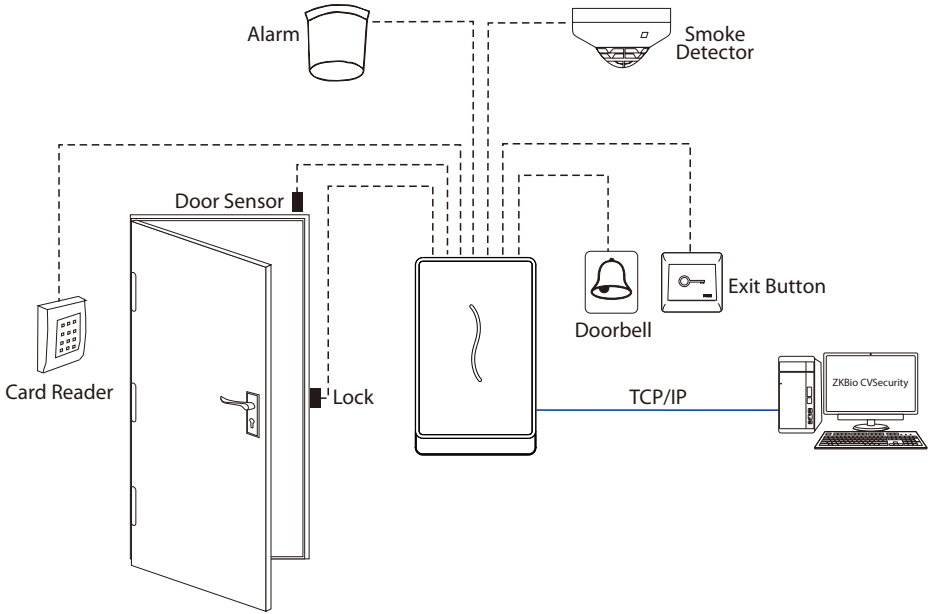
After a successful verification, the device will send Wiegand signals to the SRB access controller, then the SRB will output relay signals to trigger the relay to unlock the door.



Wiegand Input Connection



Standalone Installation



Quick Start Operations

❖ Login Webserver

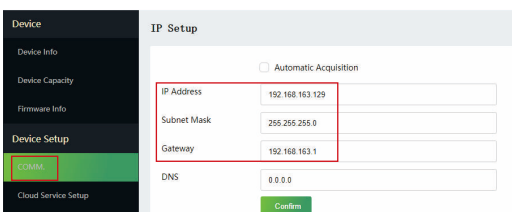
1. Open a browser to enter the address to log in the WebServer, the address is the https:// **Serial IP Address**, for example: **https://192.168.1.201**.

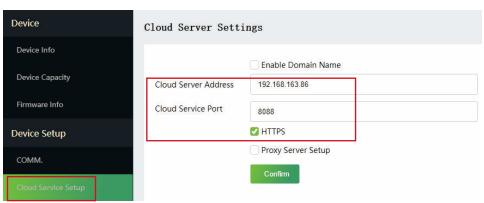
2. Enter the account ID and password, the default account ID is: **admin**, password: **admin@123**.

Note: After logging in for the first time, users need to reset their original password and log in again before they can use it.

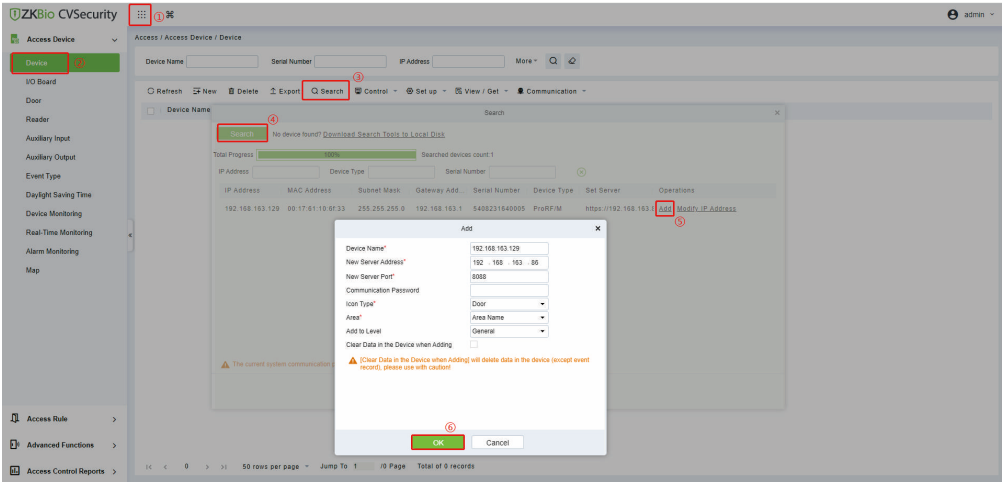
❖ Add Device

1. Set the IP address and cloud server address in the **[Device Setup]** option on the WebServer.





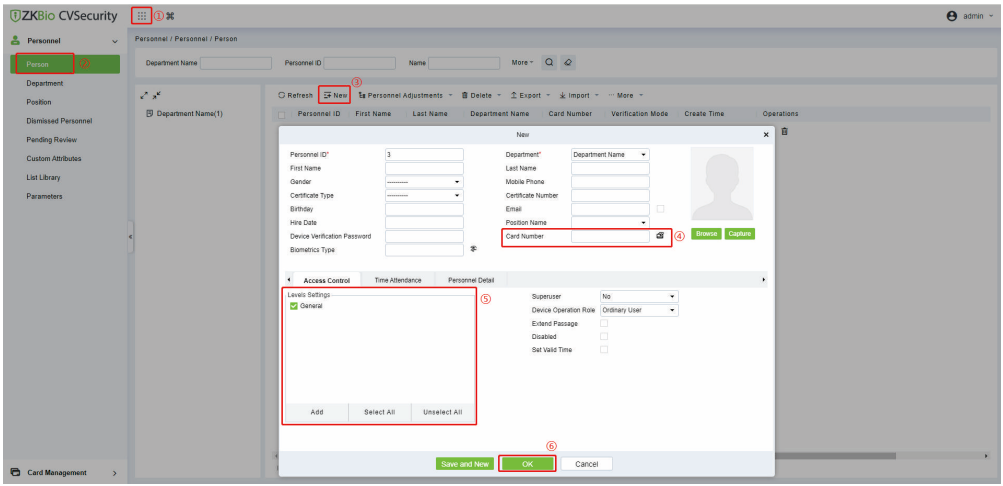
2. On ZKBio CVSecurity software, click [**Access**] > [**Device**] > [**Search**] > [**Search**], the list and total number of access controllers will be displayed.



3. Click [**Add**] in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdown and click [**OK**] to add the device.

Add Personnel

1. Click **[Personnel]** > **[Person]** > **[New]** to add personnel information, register card number and set access levels.



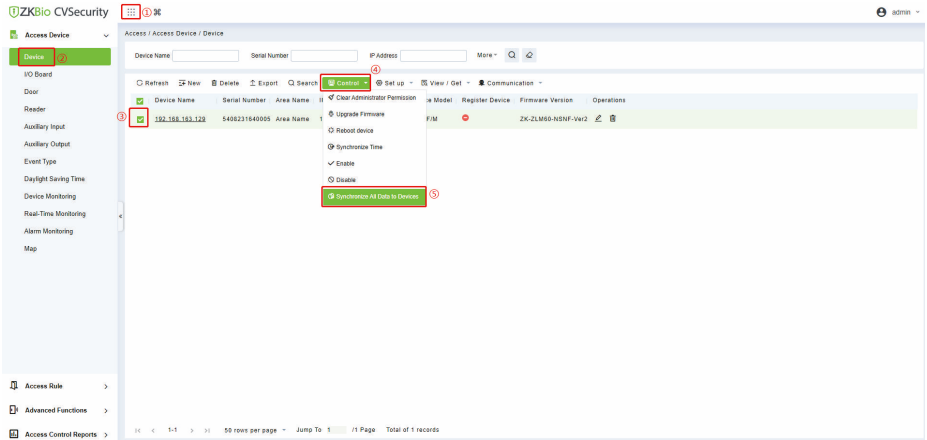
2. Click [**OK**] to save the user.

Access Control Setting

User can set Time Zones, Holidays, Access Levels, Personnel Access Levels and so on in Access module. For more details, please refer the user manual and the software instruction.

Sync All Data to Devices

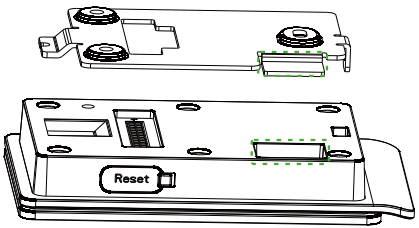
Click [**Access**] > [**Device**], check the device you want to operate and click [**Control**] > [**Synchronize All Data to Devices**] to synchronize all the data to the device including the new users.



❖ Tips

Forgot the Webserver password/IP address?

First remove the back plate of the device and power on the device. Put the magnet on the tamper switch three times after you hear the tamper alarm sound for 30 seconds but no more than 60 seconds. Then the device will short beeps for a while, indicating that it is restoring. After it is restored successfully, the device will restart automatically (the indicator glows yellow continuously and the device makes a long beep).



Notes:

- The password of Webserver is restored to default (admin@123), and the IP of the device is restored to the original 192.168.1.201.
- The registered user data will not be cleared, but the access levels of the users need to be re-synchronized through the software.

Green Label

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