

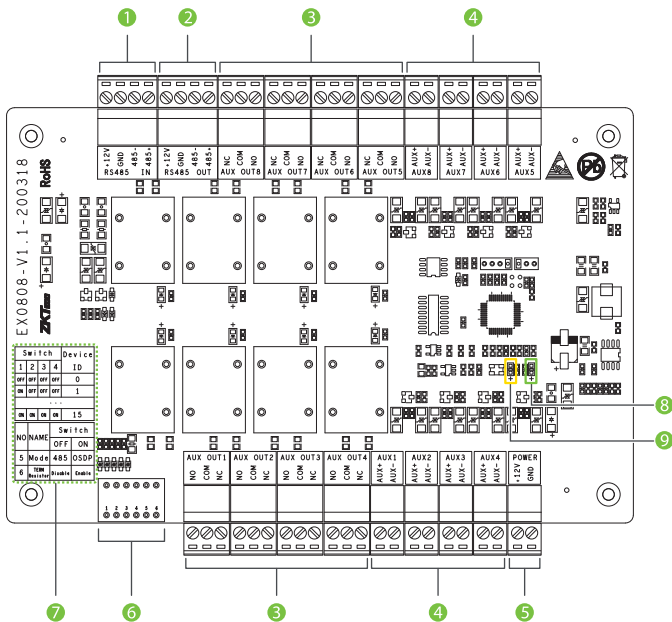
Quick Start Guide

EX0808

Version: 1.0





Product PIN Diagram

EX0808 is an extended module for controllers which is used for connecting more number of auxiliary devices.



















No.	Name	Functions
1	RS485 In	Used for RS485 communication.
2	RS485 Out	Used to connect another EX0808 expansion board.
3	Aux Output	Used to connect upto 8 auxiliary output devices.
4	Aux Input	Used to connect upto 8 auxiliary input devices.
5	Power Input	DC12V-3A.
6	DIP Switch	Sets the RS485/OSDP address of the EX0808 and set the RS485/OSDP communication etc.
7	DIP Switch Instructions	Introduces the use of DIP switches.
8	RUN Indicator(Green)	Indicates the running states.
9	COMM Indicator(Yellow)	Indicates the communication states of the RS485.

LED Status Indicator

RUN Indicator (Green)		Flashing Green LED Continuously indicates that the device is running normally.
COMM Indicator (Yellow)		Flashing Yellow LED Continuously indicates that the device is online and communicating.
		Solid Yellow LED indicates that the device is offline (after 10 seconds of communication failure) and communication failed.
		Solid Yellow LED when the device is powered on.

DIP Switch Setting for RS485/OSDP Communication

Description	RS485 Address	DIP Switch	RS485 Address	DIP Switch	RS485 Address	DIP Switch
 <p>↓ ↓ ↓ ↓ ↓ ↓</p> <p>1 2 4 8</p> <p>MODE (RS485/OSDP)</p> <p>↓</p> <p>Rs485 Terminal Resistance</p>	1		6		11	
	2		7		12	
	3		8		13	
	4		9		14	
	5		10		15	

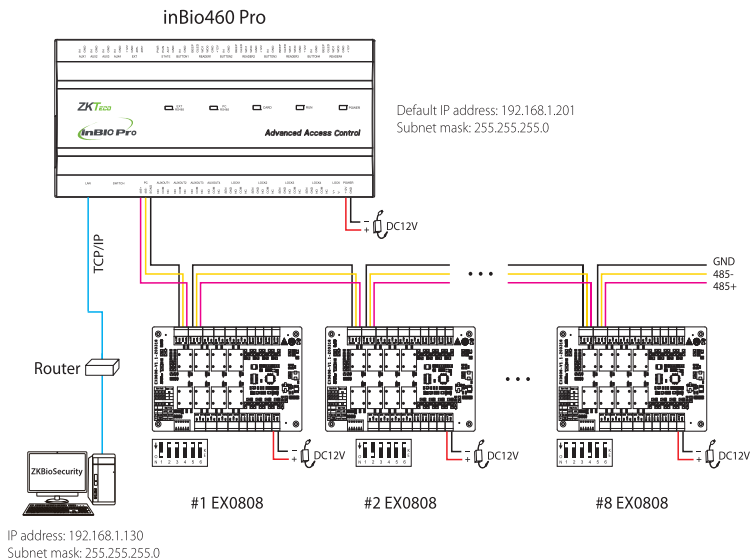
Notes:

There are six DIP switches on the EX0808 expansion board and their functions are:

- Switches 1 to 4 are used to set the RS485/OSDP addresses.
- Switch 5 is for RS485/OSDP mode switching. When set to OFF, RS485 mode is used, and when set to ON, OSDP mode is used.
- If the cable length is more than 200 meters, the switch 6 should be ON for noise reduction on long RS485 cables.

Connecting to the Controller

Use the software after connecting the EX0808 module to the controller. The EX0808 module can be connected to the **inBioX60 Pro Series**. The connection with inBio460 Pro is shown as an example below:



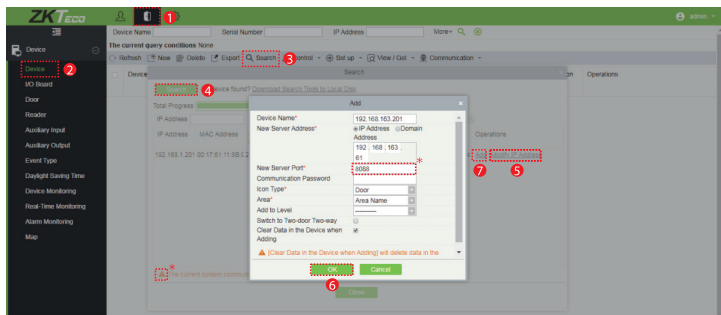
Notes:

1. A maximum of eight EX0808 extended boards can be connected to an inBio460 Pro controller.
2. Each EX0808 can connect a maximum of eight auxiliary input devices and eight auxiliary output devices.
3. A separate power supply is required for each EX0808.
4. Set the RS485/OSDP addresses of each EX0808 by the DIP switch before power is supplied.

Connecting to ZKBioSecurityV5000 Software

After wiring, please follow the below steps:

- 1) Add inBio460 Pro controller on the software.
 - a. Login to **ZKBioSecurityV5000** software and click on **Access > Device > Device > Search**, to search the device on the software. The searched devices are displayed automatically.



- b. First, change the IP address of the device by clicking **Modify IP Address**. Then a new window will pop-up, enter the relevant information and click **OK**.

Device Name: Enter new IP address.

New Server Address: Enter the IP address of the server (PC).

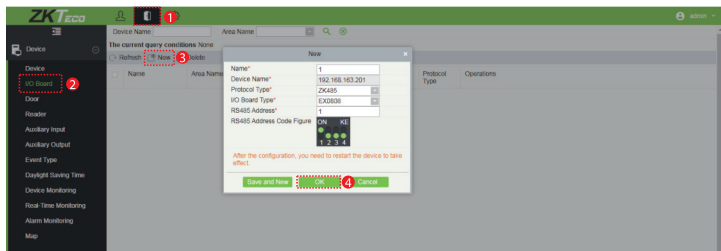
New Server Port: The current system communication port (prompt under the search page).

- c. Click **Add** to add the device to the software.

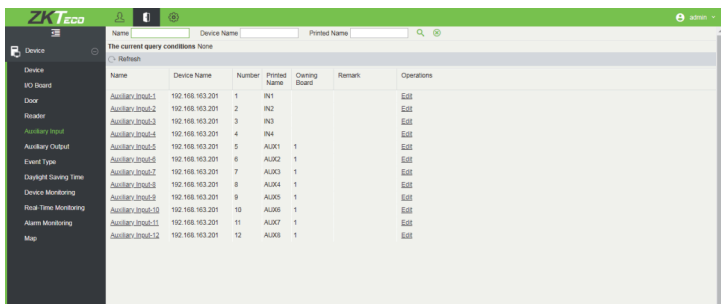
Note: The IP addresses of the server (PC) and the device must be in the same network segment.

- 2) Add the EX0808 on the software:

Click **Access > Device > I/O Board > New** to add the EX0808 on the software. Enter the name and RS485/OSDP address of the EX0808. Set the RS485/OSDP address of the EX0808 from 1-15. Then click **OK** to save and exit.



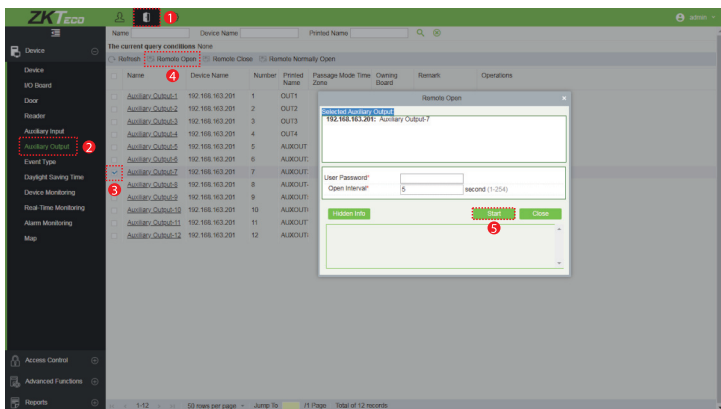
- 3) On the software, click **Access > Device > Auxiliary Input / Auxiliary Output** to view all the auxiliary inputs/outputs.



Operating via the Software

1) Remote operation

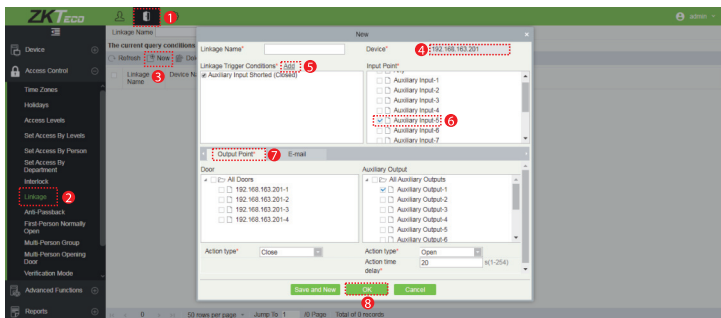
- On the software, click **Access > Device > Auxiliary Output** to view all the auxiliary outputs.
- Select the auxiliary output and click **Remote Open**, a new window will pop-up.
- Enter the relevant information and click **Start**. You will be able to remotely open the device connected to the auxiliary output via software.



2) Linkage function

On the software, click **Access > Access Control > Linkage > New** and fill in all the relevant information to set a new linkage operation. The operation is as follows:

- a. First, select an auxiliary device on the list and click **Device** to choose.
- b. Click **Add** to add the linkage trigger condition from drop-down and select the input point on the list.
- c. Set the output point of the Door and the Auxiliary Output.
- d. Select action type and set the action time delay then click **OK** to save and exit.



For more details, please refer to the ZKBioSecurityV5000 User Manual.

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