

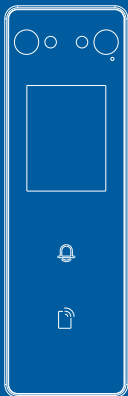


## BRM-PFQ-HL



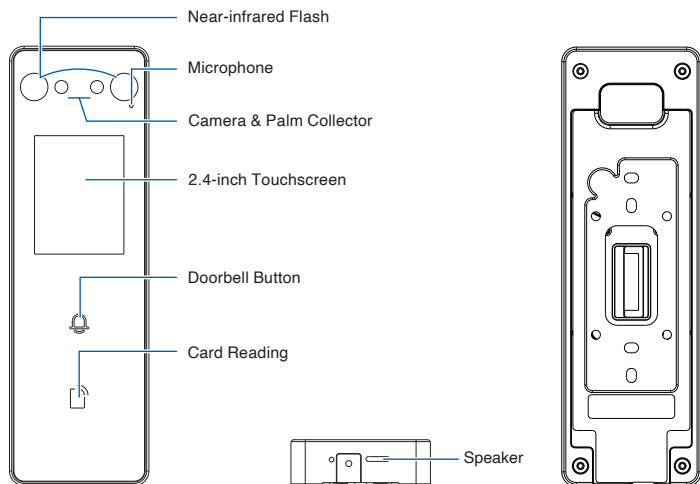
WWW.REACHDCS.COM  
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1-800-333-6654

### QUICK START GUIDE

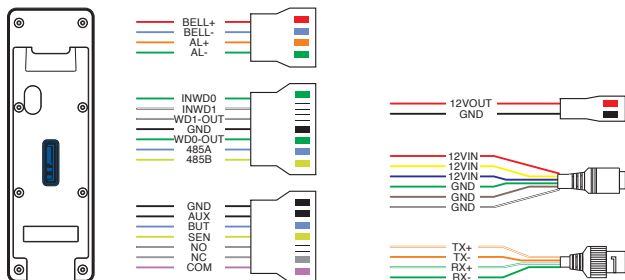


VERSION 1

# Overview



## Terminal Block



## Installation Environment

Please refer to the following recommendations for installation.



KEEP DISTANCE



AVOID GLASS  
REFRACTION

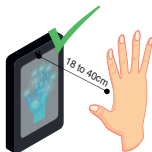


AVOID DIRECT  
SUNLIGHT  
AND EXPOSURE



KEEP EFFECTIVE  
DISTANCE  
0.3-2.5m

## Recommended Palm Gestures



KEEP EFFECTIVE  
DISTANCE OF  
18 to 40 cm



KEEP SPACES  
BETWEEN  
YOUR FINGERS



DO NOT KEEP  
YOUR FINGERS  
CLOSE



DO NOT KEEP  
PALM OUTSIDE  
COLLECTION AREA



DO NOT KEEP  
YOUR FINGERS  
FOLD/CURLED

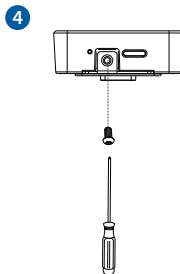
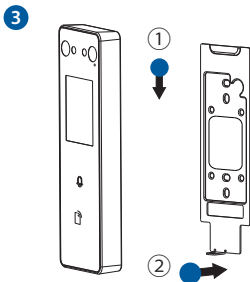
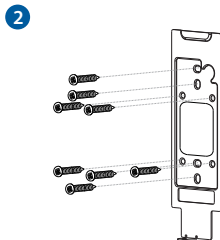
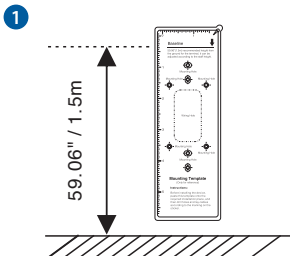
### Note:

1. Place your palm within 18 to 40 cm of the device.
2. Place your palm in the palm collection area, such that the palm is placed parallel to the device.
3. Make sure to keep space between your fingers.

# Device Installation

## ● With Backplate:

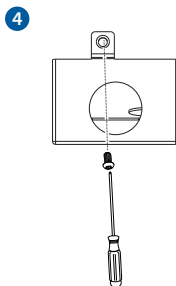
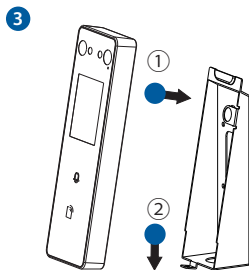
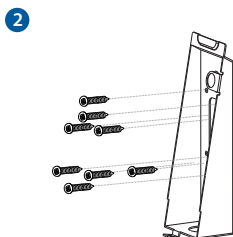
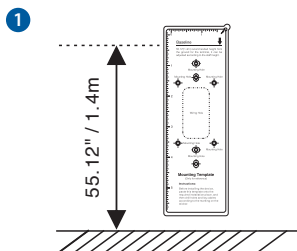
1. Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.
2. Fix the Backplate on the wall using wall mounting screws.
3. Attach the device to the Backplate.
4. Fasten the device to the Backplate with a security screw.





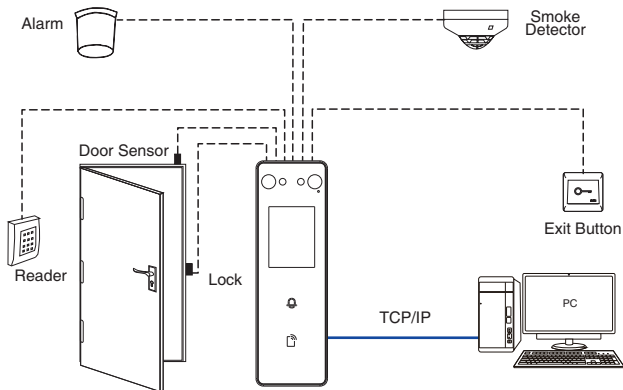
## ● With Back Cover ★:

1. Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.
2. Fix the Back Cover on the wall using wall mounting screws.
3. Attach the device to the Back Cover.
4. Fasten the device to the Back Cover with a security screw.

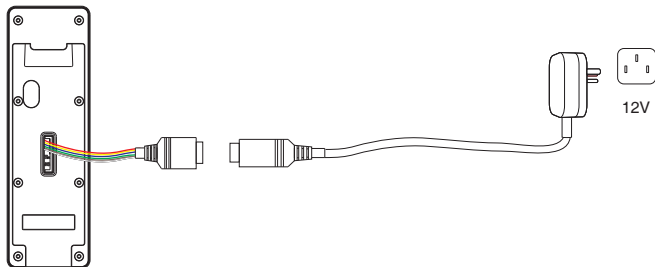


Note: Features & parameters with ★ are not available in all devices.

## Standalone Installation



## Power Connection

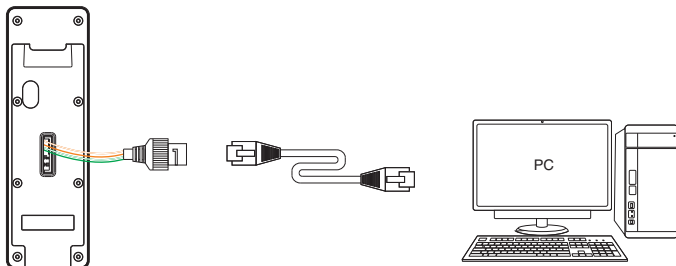


### Recommended AC Adapter

1.  $12V \pm 10\%$ , at least 1500mA.
2. To share the power with other devices, use an AC Adapter with higher current ratings.

## Ethernet Connection

Connect the device and computer software over an Ethernet cable. As shown in the example below:



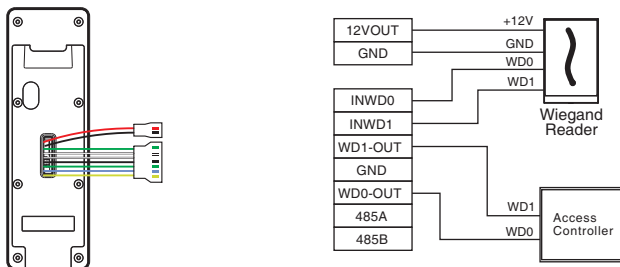
Default IP address: 192.168.1.201  
Subnet mask: 255.255.255.0

IP address: 192.168.1.130  
Subnet mask: 255.255.255.0

Click on [COMM.] > [Ethernet] > [IP Address], input the IP address and click on [OK].

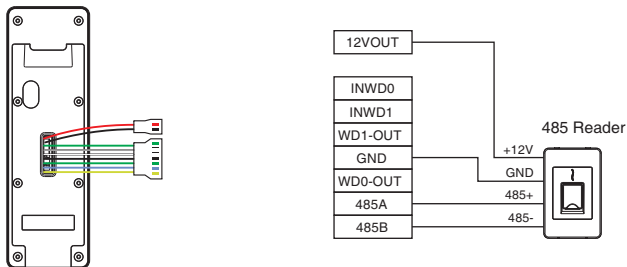
**Note:** In LAN, the IP addresses of the server (PC) and the device must be in the same network segment when connecting to the software.

## Wiegand Reader Connection

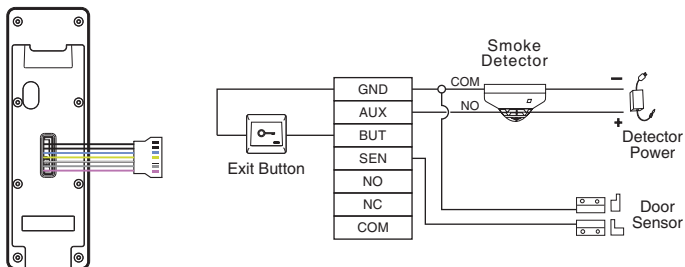


**Note:** 485A and 485B can be connected to the Barrier gate or the 485 Reader, separately, but cannot be connected to the gate and reader at the same time.

## RS485 Connection



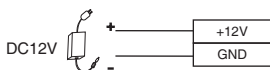
## Door Sensor, Exit Button, Auxiliary Connection



## Lock Relay Connection

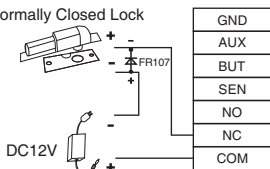
The system supports **Normally Opened Lock** and **Normally Closed Lock**. The **NO LOCK** (normally unlocked when power-on) is connected with 'NO' and 'COM' terminals, and the **NC LOCK** (normally locked when power-on) is connected with 'NC' and 'COM' terminals. Take NC Lock as an example below:

1) Device not sharing power with the lock



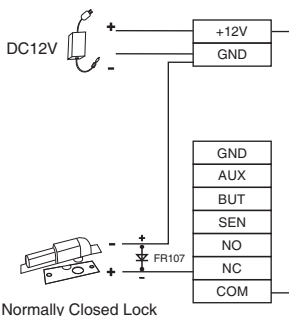
**⚠ Do not reverse the polarity.**

Normally Closed Lock

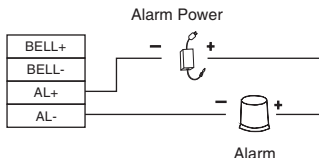
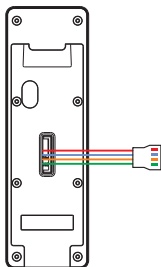


**⚠ Maximum 30V 3A input.**


2) Device sharing power with the lock




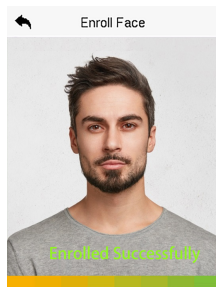
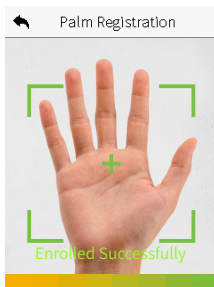
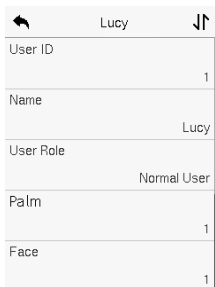
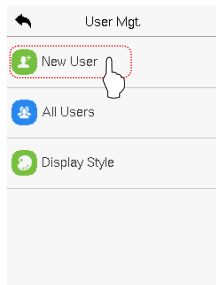
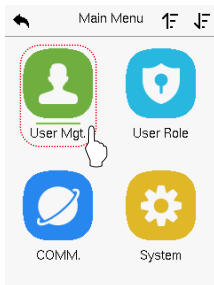
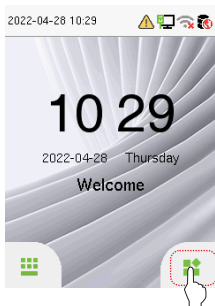
## Alarm Connection





# User Registration

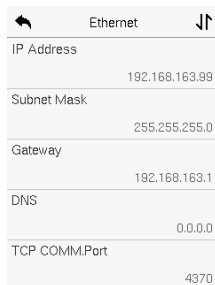
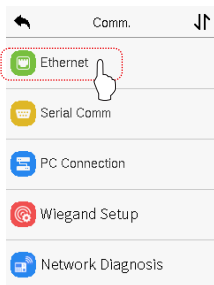
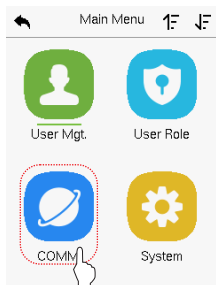
When there is no super administrator set in the device, click on  to enter the menu. Add a new user and set User Role to Super Admin, then the system requests for the administrator's verification before entering the menu. It is recommended to register a super administrator initially for security purposes.

Click on  > [User Mgt.] > [New User] to register a new user. The options include entering the user ID and Name, setting User Role, registering Palm, Face, Card and Password, adding User Photo and Access Control Role.




## Ethernet Settings

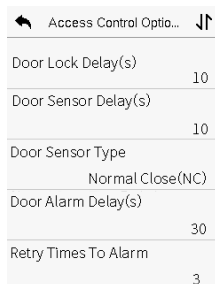
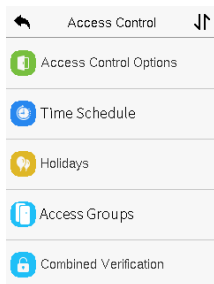
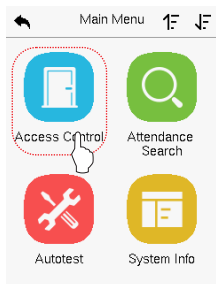
Click on  > [COMM.] > [Ethernet] to set the network parameters. If the TCP/IP communication of the device is successful, the icon  will be displayed in the upper right corner of the standby interface.



Ethernet	
IP Address	192.168.163.99
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	0.0.0.0
TCP COMM.Port	4370

## Access Control Setting

Click on  > [Access Control] to enter the access control management interface and set relevant parameters of access control.

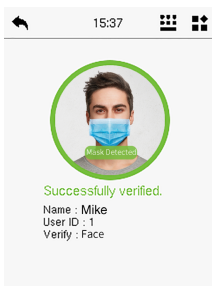
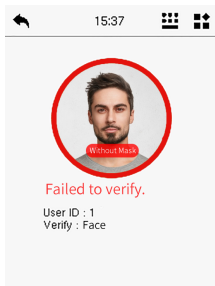
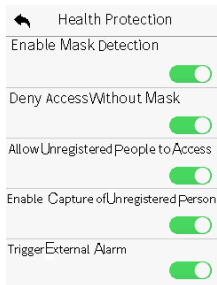
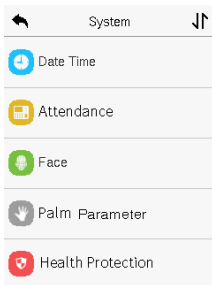
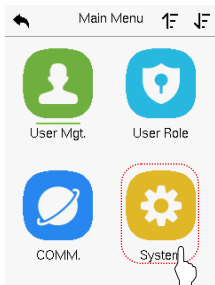


Access Control Options	
Door Lock Delay(s)	10
Door Sensor Delay(s)	10
Door Sensor Type	Normal Close(NC)
Door Alarm Delay(s)	30
Retry Times To Alarm	3

# Health Protection

Click on  > [System] > [Health Protection] to enable mask detection.

When the Allow Unregistered People to Access is enabled, optionally, set Enable Capture of Unregistered Person to save the temperature data.



2.22.24



**BRM-PFQ-HL – Quick Start Guide**

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