








Doorbell HD WiFi Ferguson

Operations & Installation Guide

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1.Important Safety Instructions

Please read through all the instructions before using this wireless doorbell.

This is an electronic device and care should be taken when using this low voltage electronic device. The following basic safety precautions should be taken into consideration when operating and installing this doorbell,

- 1.DO NOT install the wireless doorbell in wet conditions.
- 2.DO NOT cover or block any openings on the wireless doorbell.
- 3.DO NOT submerge the wireless doorbell under water.
- 4.DO NOT operate the wireless doorbell if it is damaged.
- 5.DO NOT attempt to open the wireless doorbell by yourself.
- 6.DO NOT give hit or strike on the wireless doorbell with force.
- 7.Keep the wireless doorbell away from heat sources.
- 8.The wireless doorbell can only be connected to low voltage transformer (12~24V AC) or an AC/DC adaptor (12V DC / 1.0A). DO NOT connect it to high voltage power sources.

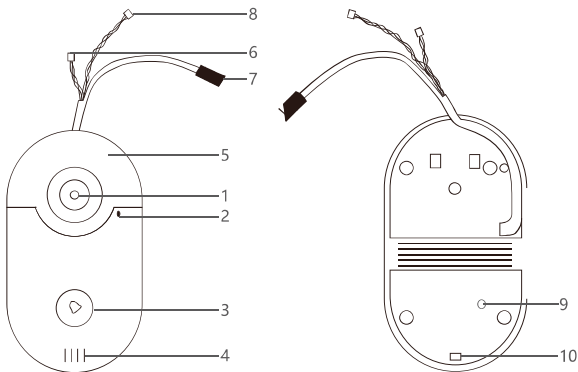
Please keep this manual for future use, if you need to print

Instruction is available to download on the website

www.ferguson-digital.eu

2. Product Introduction

Wireless Doorbell



1.Camera

2.Built-in microphone

3.Call button with indicator light

4.Built-in speaker

5.IR LEDs (for night vision)

6.Relay connector (for electrical door lock)

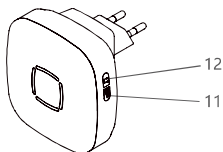
7.Power connector

8.LAN connector

9.Reset (use pin to press and hold for approx. 10 seconds)

10.Screw hole for screw (A)

Indoor RF Bell

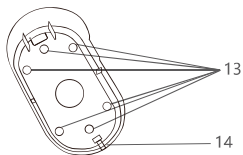


The drawing based on EU type.

11.Volume button (press repeatedly to adjust the sound volume)

12.Music button (press repeatedly for totally 36 melody options)

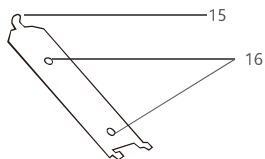
Mounting Bracket



13.Screw holes for screw (B)

14.Screw hole for screw (A)

Simple Mounting Bracket



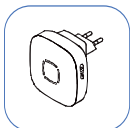
15.Screw holes for screw (A)

16.Screw hole for screw (C)

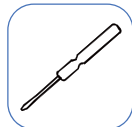
3.Items Included



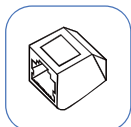
Wireless doorbell x 1 pc



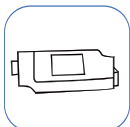
Indoor RF bell x 1 pc



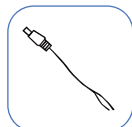
Screw driver x 1 pc



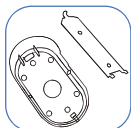
LAN interface connector
(RJ45) x 1 pc



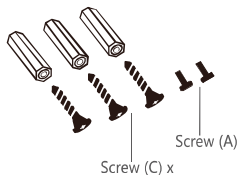
Relay interface connector x 1 pc
(for electrical door lock)



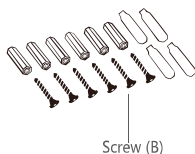
AC power input join cable x 1 pc



Mounting bracket x 1 pc
Simple mounting bracket x 1 pc



- Screws set for screws (A) & (C)
- Screw (A) x 2 pcs (1 pc is as spare)
 - Screw (C) x 3 pcs (1 pc is as spare)
 - Plug for screw (C) x 3 pcs (1 pc is as spare)



- Screws set for screws (B)
- Screw (B) x 6 pcs
 - Plug for screw (B) x 6 pcs
 - Wire crimp x 4 pcs (2 pcs are as spare)

4. Before Installation

IT IS STRONGLY SUGGESTED TO PERFORM A TEST BEFORE THE WIRELESS DOORBELL IS INSTALLED.

Note: Download the App “Ferguson Doorbell” from Google Play Store or App Store to your Android or iOS device. Make sure your android or iOS device connected to the local Wi-Fi successfully.

Step 1: Power-on the wireless doorbell with an external 12V DC adaptor.

Step 2: Wait about 40 seconds until hear the voice: “Welcome to smart home”.

Step 3: Then the doorbell will be under the SmartLink Config Mode: The indicator light keeps flashing.

If the doorbell is not under the SmartLink Config Mode, please **RESET** it to the config mode.

How: Hold the RESET button at least 10 seconds, the device will be restarted and reset.

Where: Reset button on the backside of the doorbell which is under the “Reset” sticker.

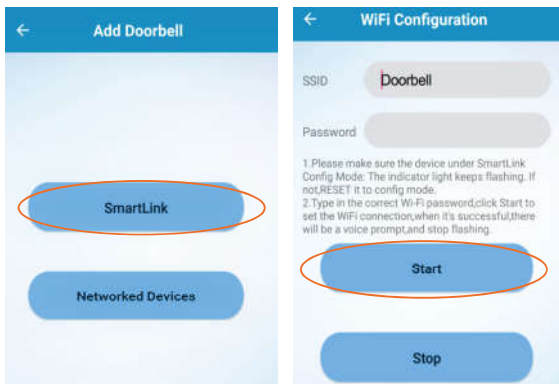
Step 4: Run the App and click “Add Device”.



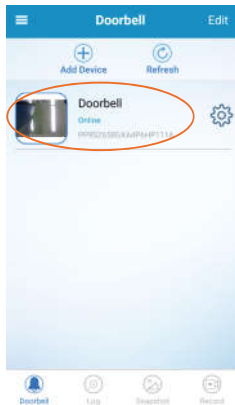
Step 5: Click **"SmartLink"**, check the SSID, input the correct password, click **"Start"**, and then the doorbell will start to connect to your local Wi-Fi.

Note:

1. Please choose SmartLink mode for setting the Wi-Fi at the first time.
2. Please make sure your android or iOS device connected to the local Wi-Fi successfully.
3. Networked Devices mode is only suitable for setting the Wi-Fi when the doorbell connected with a network cable(RJ45), or for adding a doorbell which has been connected to the Wi-Fi already.



Step 6: Once hear the voice prompt **"Successful"** means the Wi-Fi SmartLink setup successfully. **"Refresh"** and click the UDID of the doorbell to add it to the device list automatically, **"Refresh"** and it will be online.



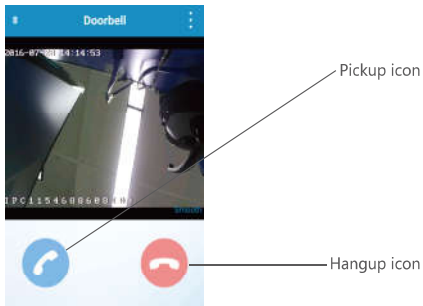
If the wireless doorbell performs as described, please proceed to do the installation. **If not, please double check and repeat the step 1 to step 6. Make sure the Wi-Fi password is correct.**



SmartLink Config mode will be ended when,

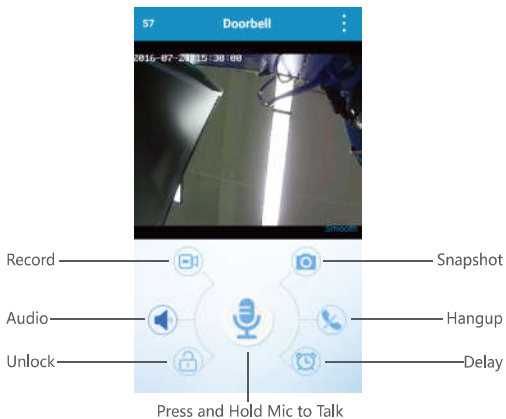
1. Wi-Fi SmartLink setup successfully,
2. Or when the doorbell is under the SmartLink mode more than 60 seconds, and then power-off, If less than 60 seconds, the doorbell power-off, it will be still under SmartLink mode once power-on.

Step 7: When the doorbell is online, press the call button of the doorbell, the App will pop-up as follow,



Reject: Click the red hang up icon to reject the call, the doorbell will keep calling until somebody else to answer it, or until a call action is completed. The call waiting time can be set in system setting.

Answer: Click the blue pickup icon to answer the call. Then will go to the live feed video interface.



Record: Click it to record video.

Snapshot: Click it to take snapshot.

Audio: Click it to mute.

Hangup: Click it to stop and exit the live feed video.

Unlock: Click to unlock the electronic door lock.

Delay: Click to prolong the monitoring time.

Mic: Press and hold Mic icon to talk, loosen to hear the visitor's voice.

Note: When the doorbell is online, you can also tap the doorbell name to view the live feed video.

5. Installation of Mounting Bracket

Free choose to install the wireless doorbell with either the mounting bracket or the simple mounting bracket.

Installation with the mounting bracket

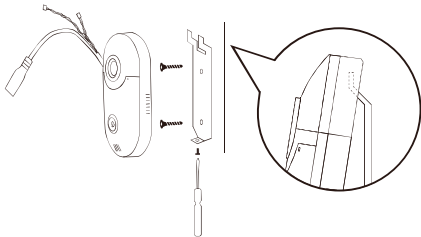
Please refer to the "Connection To Old Chime AC Power Source".

Installation with the simple mounting bracket (It is recommended to use the mounting bracket instead of the simple mounting bracket)

Step 1: Fix the simple mounting bracket with two screws (C) to the wall.

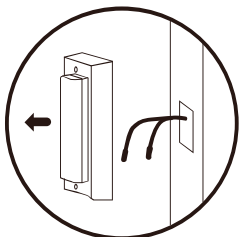
Step 2: Fix the doorbell on the simple mounting bracket.

Step 3: Complete the installation by tightening screw (A).



6.Connection To Old Chime AC Power Source

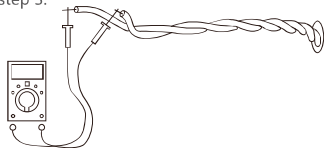
Step 1: Remove the existing doorbell.



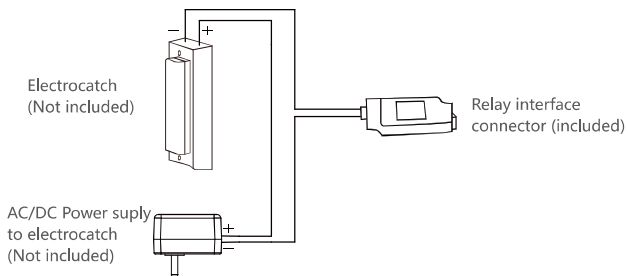
Step 2: Check the voltage of the power by using a multimeter.



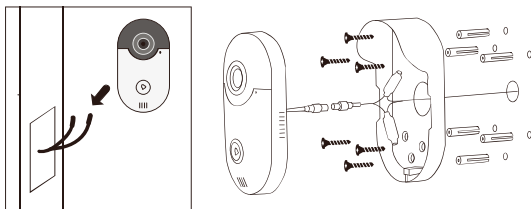
Make sure the power voltage/current is 12~24V AC / 1.0A before proceeding to step 3.



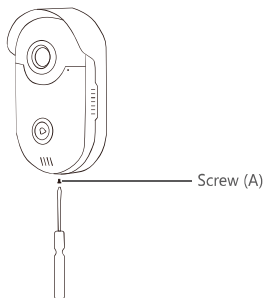
Example of connecting the electrocatch



Step 3: Connect the power cables of the old doorbell to the wireless doorbell (via the power input join cable, screws (B), plugs & wire crimps).



Step 4: Complete the installation by tightening screw (A).



Note:

When hooking up the new doorbell to an existing doorbell transformer be sure to test the connection first before installing the unit. Some older doorbell transformers may be dead or the wrong voltage.

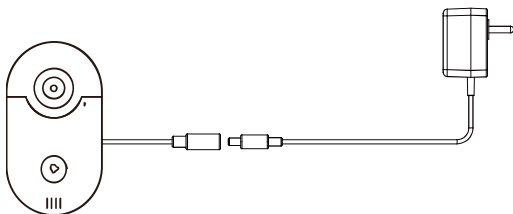
Do not exceed 24 Volts AC to the doorbell or damage may occur and void warranty. Minimum 12 Volts 1A is required to operate doorbell.

7.Connection To DC Power Source

If there is no old chime with AC Power Source, please use the 12V DC power adaptor to connect with the wireless doorbell.

To extend the power cable, use 2 conductor 18 AWG cable. Do not extend beyond 100ft.

The AC/DC adaptor: input 100 to 240VAC, output 12VDC, 1A.



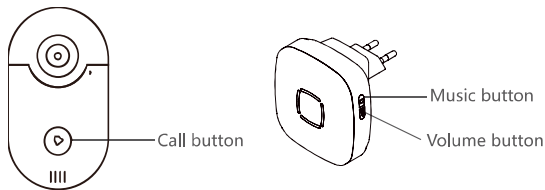
Camera operation by web browser

Doorbell Wifi IP Ferguson can be operated via a web browser.

To configure the camera with a browser, your computer must be connected to the same LAN, which are connected the cameras. In the browser, enter the IP address of the device. To login, please enter your login and password (login: admin, password: admin).

More information can you find on page www.wiki.ferguson.pl

8.Connection Between Wireless Doorbell & Indoor RF Bell



The wireless doorbell and indoor RF bell are already paired.
After power-on, press the call button, the RF bell should ring.

If they lost connection, please do the follow steps to pair the wireless doorbell with indoor RF bell:










- Step 1:** Connect the wireless doorbell and the indoor RF bell to power source.
Wait until you hear "**Welcome to smart home**" from the doorbell.
- Step 2:** Press and hold the Volume button of indoor RF bell.
- Step 3:** Press the Call button of the wireless doorbell 3~4 times.
- Step 4:** Let go of the Volume button of the indoor RF bell.
- Step 5:** Press the Call button of the wireless doorbell again. If the melody of the indoor RF bell is heard, the connection (pairing) is successful. If not, please repeat step 1 to step 4.
- Step 6:** Press the Volume button or Music button of the indoor RF bell to adjust the sound volume and select the preferred bell melody.

9.Introduction Of Android/iOS App Interface



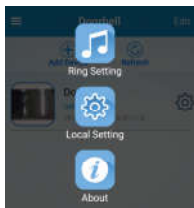
Only the "admin" user has the authority to make adjustment or change to most of the settings.



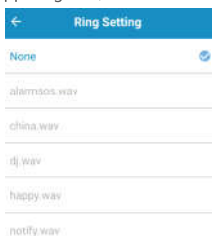
-  Additional options.
-  Delete/Edit the listed doorbell information.
-  Add new doorbells.
-  Refresh the doorbell connection status.
-  Main interface of doorbell list.
-  Call Log or Alarm Log.
-  Snapshots.
-  Recorded video.
-  Settings

9.1.Additional Options

: Show the **Ring Setting**, **Local Setting** and **About**.



Ring Setting: Set the App Ringtone, choose "None" will be in silent mode.



Local Setting: To show or not show "HD / Smooth" text on the online video.

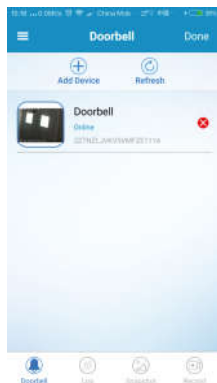


About: Show the App information.

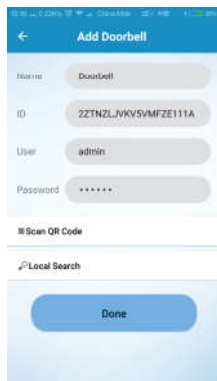


9.2.Edit

Edit: Delete/Edit the listed doorbell information.



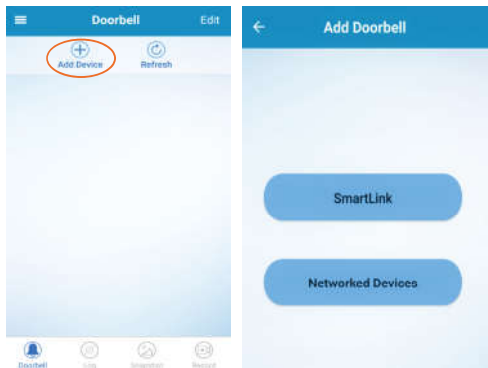
Can change the doorbell name/password here.



After setting the changes, click **Done** to enable it.

9.3.Add Device

: Two options to add device, **SmartLink / Networked Devices**.



9.3.1 SmartLink Mode

SmartLink mode is only for setting the Wi-Fi of the doorbell at the first time. The default factory settings is the doorbell will be under SmartLink Mode when power-on at the first time.

Check the details of SmartLink Mode on chapter "**Before Installation**".

SmartLink Config mode will be active when,

- 1.The doorbell is reset,
- 2.Or when the doorbell is under the SmartLink mode less than 60 seconds, and then power-off, it will be still under SmartLink mode once power-on.

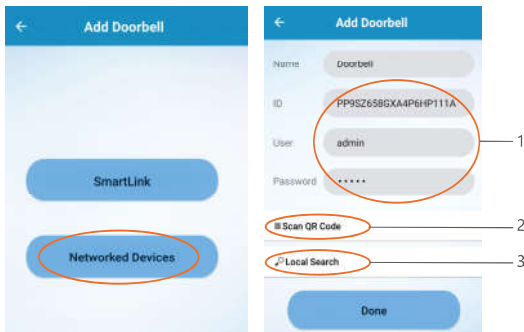
SmartLink Config mode will be ended when,

- 1.Wi-Fi SmartLink setup successfully,
- 2.Or when the doorbell is under the SmartLink mode more than 60 seconds, and then power-off, it won't be under SmartLink mode once power-on again.

9.3.2 Networked Devices Mode

Note: if the doorbell already connected with a network cable(RJ45), or you want to add a doorbell which has been connected to the Wi-Fi already. You can select the Networked Devices.

Click **“Networked Devices”** to add a doorbell, the following interface will be shown.



To add a new doorbell, 3 options as below:

9.3.2.1 Input the doorbell information manually

Name: The default name is “Doorbell”, change a new name here if needed.

ID: The P2P ID can be found on the rating label of the doorbell, scan the QR code will get the ID too.

User: The default user name is “admin” (it cannot be changed).

Password: The default password is “admin” (if you would like to change the password, please see **“Settings → User setting → Edit”**).

Click **“Done”** to complete the settings.

9.3.2.2 Scan QR Code

Click "Scan QR Code" to activate the QR code scanner.

Each doorbell has a rating label, scan the QR Code to add the doorbell to App, input the default user and password "admin", click "Done" to add it.



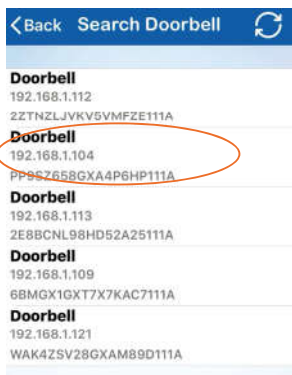
9.3.2.3 Local Search

Click "Local Search" and the list of available doorbell(s) will be shown.

Note: It works only when the Android/iOS device and the Doorbell connected with the same network.



Android



iOS

Click the UDID of the doorbell, input the correct user name and password, click "Done" to complete the settings, the doorbell will be connected to the Android or iOS Device and show online.




Android



iOS

9.4.Refresh


: Click to refresh the doorbell connection status, online/offline /connection failed etc.

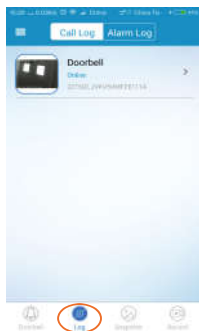


9.5.Doorbell

: Click it to go to the main interface of doorbell list.

9.6.Log

: Click it to check the **Call Log** or **Alarm Log**.




9.7.Snapshot

: Click it to check the snapshots.




9.8.Record

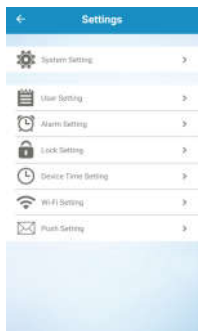
: Click it to check the recorded video.



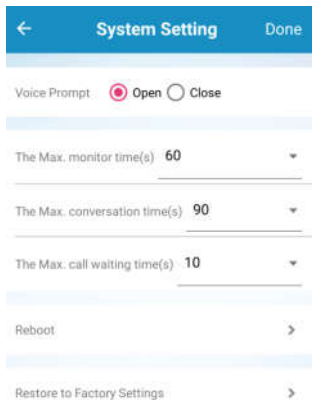
The video file is in AVI format, please check the video with the software/app which supports AVI format.

9.9.Settings

: Click it to check or change the settings of doorbell.



9.9.1. System Setting



Voice Prompt: Turn On/Off the doorbell voice prompt feature.

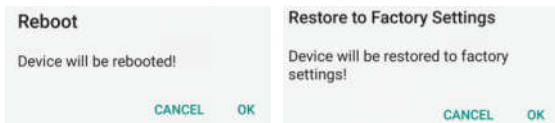
The Max. monitor time(s): 10~300 seconds, This is to set up the monitor time when you visit the doorbell online video initiative.

The Max. conversation times(s): 10~300 seconds, This is to set up the conversation time when you answered the call.

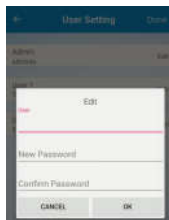
The Max. call waiting time(s): 10~60 seconds, This is to set up the call waiting time when the doorbell is ringing, and nobody answer the call.

Reboot: To reboot the doorbell.

Restore to Factory Settings: Reset the doorbell to factory settings.



9.9.2. 🏠 User Setting

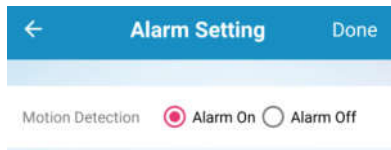


Only administrator can add or edit a user.
Click "Edit" to set the users and password, click "OK" to close the interface.
Click "Done" to enable the settings.

Note:

1. The doorbell supports 3 users totally.
2. Different devices can login the doorbell with the same user/password at the same time.
3. The doorbell supports the max. 4 devices to be connected at the same time.

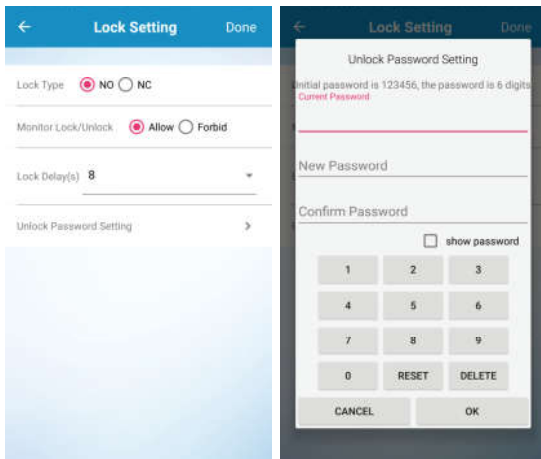
9.9.3. 🕒 Alarm Setting



Enable or disable the motion detection alarm function.

When enable the motion detection and push service(9.7 Push Setting), if there is motion detected, there should be push notification message received on your smart devices e.g. mobile phone, tablet etc.

9.9.4. Lock Setting



Lock Type(Relay Type): Please keep the relay type at NO.

Monitor Lock/Unlock: Allow(On) means you can unlock the lock actively at any time; Forbid(Off) means you can only unlock the lock when you answered the call.

Lock Delay (S): It represents the duration time of the relay type status.

Unlock Password Setting: To set the 6 digits unlock password.

9.9.5. 🕒 Device Time Setting



NTP Calibration: Sync the doorbell time with NTP Server.

Mobile Phone Sync: Sync the doorbell time with your mobile phone or tablet etc.

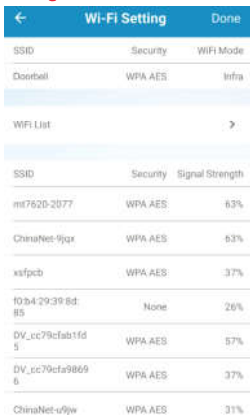
Manual Setup: Manually set up the doorbell time.

Device Time Zone: Select the corresponding time zone.

NTP Server/NTP Port: Please keep the default.

Note: It's very important that the push notification function works properly only when the device time and time zone is sync with the local time.

9.9.6. Wi-Fi Setting



SSID	Security	WiFi Mode
Doorbell	WPA AES	Infra

SSID	Security	Signal Strength
mi762D-2077	WPA AES	63%
ChinaNet-fjqz	WPA AES	63%
xafpcb	WPA AES	37%
f0b4-29-39-8d-85	None	26%
DV_cc79cfa1fd5	WPA AES	57%
DV_cc79cfa98696	WPA AES	37%
ChinaNet-u9jw	WPA AES	31%

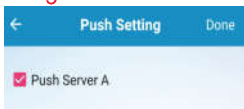
Check the Wi-Fi SSID and signal strength here.

To change the doorbell to connect with another Wi-Fi, just select the SSID and enter the correct password.

Note: Wi-Fi signal strength is weak will cause device to go offline, and the doorbell will not work properly.

In order to have good connection, recommended signal strength should be at least 70% or higher.

9.9.7. Push Setting



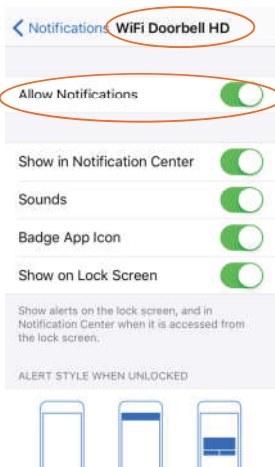
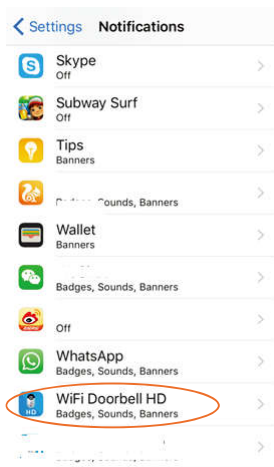
Select it to enable the push notification function.



It's very important that the push notification function works properly only when the device time and time zone is sync with the local time.

If the app is active and running in the background, when the call button on the doorbell is pressed, or a motion detected, there would be push notification sent to your smart device such as mobile phone.

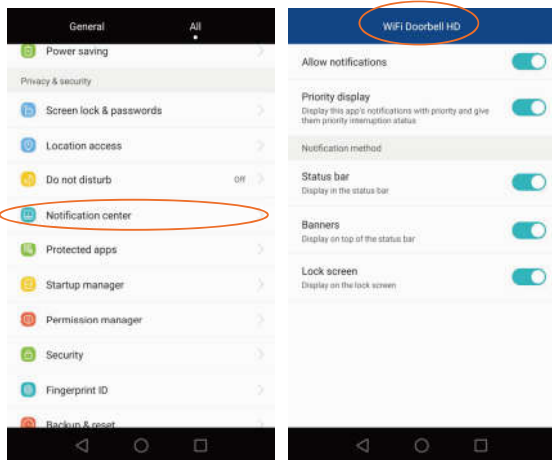
For iOS: Please make sure allow push notification for the app in iOS device settings.



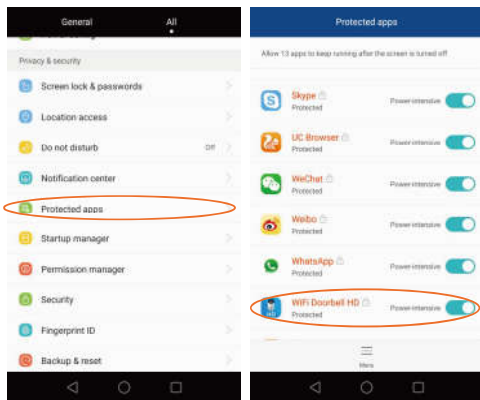
For Android: Please do the following settings before the push notification works in the Android devices.

Note: These snapshots are based on Android version 4.4.2 in Huawei mobile phone, the location of the settings maybe not the same in different android devices, please pay attention to it.

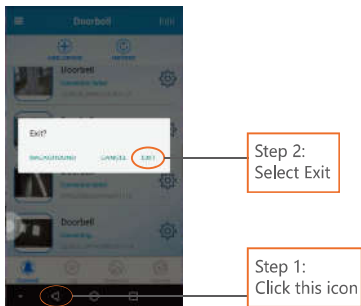
1.Enable all push notification option for in app notification settings



2. Enable the **Protected apps** to allow the app to keep running after the screen is turned off.



3. You can exit the app and keep it running in the background

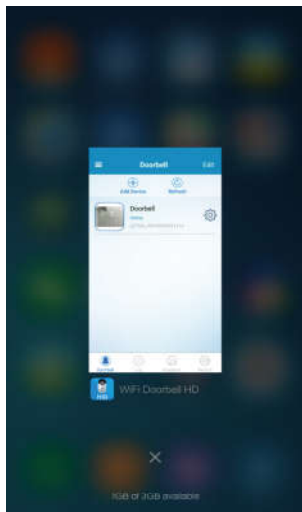


Exit: Click to exit the app, and it will be running in the background.

Cancel: Click to cancel the exit setting.

Background: Click it to minimize the app, it's not exit and keep running.

4. But please make sure that the app progress is not cleared.



If it's cleared, the Android device will not be able to receive the push notification.

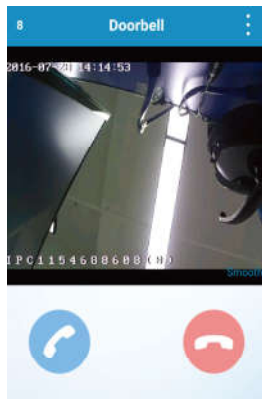
If the upon 4 steps are done, the app will be running in the background, the power consumption of this app in Android device is low.

If the power consumption of this app is still in high level, please try to check the upon 4 steps settings again.

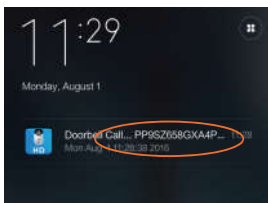
10. Answer the Call

When somebody pressed the call button of the doorbell, there are 2 options to answer the call,

Option 1: When the app is active and running (Not in the background).
You will receive a call from the doorbell, click the blue icon to answer the call, the red icon to reject the call.



Option 2: When the app is active and running in the background.
You will get the Push Notification with the doorbell ID, date and time,

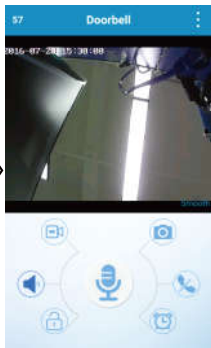


Android



iOS

Click the message to login the doorbell app, tap the ID of the doorbell to go to the live feed video interface.
If there are many doorbells in the list, please choose the same doorbell ID which showed in the push notification.



: Press and hold Mic icon to talk, loosen to hear the visitor's voice.



: Start/Stop video recording.



: Click it to mute.



: Unlock the electronic door lock.



: Take snapshot.



: Hang up, click to stop and exit the live feed video.

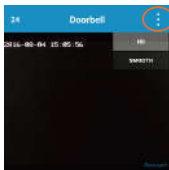


: Click to prolong the monitoring time.



: Select the **HD** or **Smooth** mode of the live feed video here (Android).

Click the live feed video screen, select the **HD** or **Smooth** mode (iOS).



11. Tech Support

Thank you for using our product.

Please feel free to contact us if you have any questions.

12. Care and Maintenance

Wi-Fi doorbell HD does not require any service fees to operate. It does not require any special care.

It requires a reliable Network Connection to operate. It also requires a reliable Smartphone.

Make sure not to let snow pile up on your HD Wi-Fi video doorbell.

13. Safety and measures

We request that you read the instruction manual and recommendations set forward therein.

- In order to avoid an electric shock, never open the housing. Damage to the warranty seal shall void the warranty.
- Do not attempt to disassemble and drop from high place.
- Keep away from water and other liquids.
- After prolonged use, it is normal that the unit temperature will rise.
- The best working temperature range is: -20 – 60 °C..
- Please use the accessories provided by the manufacturer.

14. Downloadable software

Ferguson has taken every effort to provide users with software updates in order to ensure that the parameters of the device are up to date. Ferguson reserves itself the right to amend, change or modify the software used in the device as it shall choose and without prior notification. The latest version of the software is available on the website <http://www.ferguson-digital.eu>

16. About the instruction manual

Ferguson Sp. z o.o. has made every effort to provide the most current information about its products. Ferguson Sp. z o.o. does not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the receiver. Ferguson Sp. z o.o. reserves itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

16.Specifications

****Specifications are subject to change without prior notice.**

Model		Wi-Fi Doorbell HD
Chipset	Chipset Solution	HiSilicon 3518E
Image Sensor	Image Sensor Display Resolution	Color CMOS sensor 1280*720/704*576/320*240
Lens	Lens Type Focal Length Aperture Angle of view	Glass Lens 2.5mm F2.5 135°
Audio	Input/Output Audio Compression	Built-in two-way audio G.711U
Video	Video Compression Image Frame Rate Resolution Stream Night Visibility Light Frequency	H.264 1-25fps 1280*720/704*576/320*240 Double stream 4pcs IR-LEDS, Night vision up to 10 meters 50Hz, 60Hz
Network	Ethernet	10/100Mbps RJ-45 port (Optional)
	Protocol	TCP/IP, UDP, DHCP, P2P RTSP, FTP, ONVIF
	Wireless Standard	IEEE 802.11b/g/n
	Data Rate	IEEE802.11b: 11Mbps(Max.) IEEE802.11g: 54Mbps(Max.) IEEE802.11n: 150Mbps(Max.)
	Wireless Security	WEP, WPA, WPA2
App	By Phone	Android, iOS
Physical	Dimension Weight Weight	117(L)*64(W)*23.6(H) mm Approx 380g ABS Plastic
Power	Power Supply	12~24VAC/1.0A(12VDC optional)

Environmental	Operate Temper	-20° ~ 50°C (-4°F ~ 122°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper	-20°C ~ 60° (-4°F ~ 140°F)
	Storage Humidity	0% ~ 95% non-condensing
Other Feature	Waterproof	IP66
	User Accounts	Two levels user role
Certification	CE, RoHS	

Indoor RF BELL		
Physical	Dimension	80(L)*76(W)*52(H)mm (US Type) 80(L)*76(W)*75(H)mm (EU Type)
	Weight	Approx 90g
	Shell	ABS Plastic
Power	Power Supply	AC 110-240V, 50/60HZ

Hereby Ferguson Sp. z o.o., declares that the device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EC.

You can find the Declaration of Conformity on www.deklaracje.ferguson.pl.

This product has been designed, tested and manufactured according the European R&TTE directive 2014/53/UE



RoHS
compliant
2011



CE



Smart Home

intelligent home solutions don't have to be expensive

Doorbell HD WiFi

FS1DB



UM EN V1.0