FEATURED SOLUTION

Integration guide Doorbird-Iddero
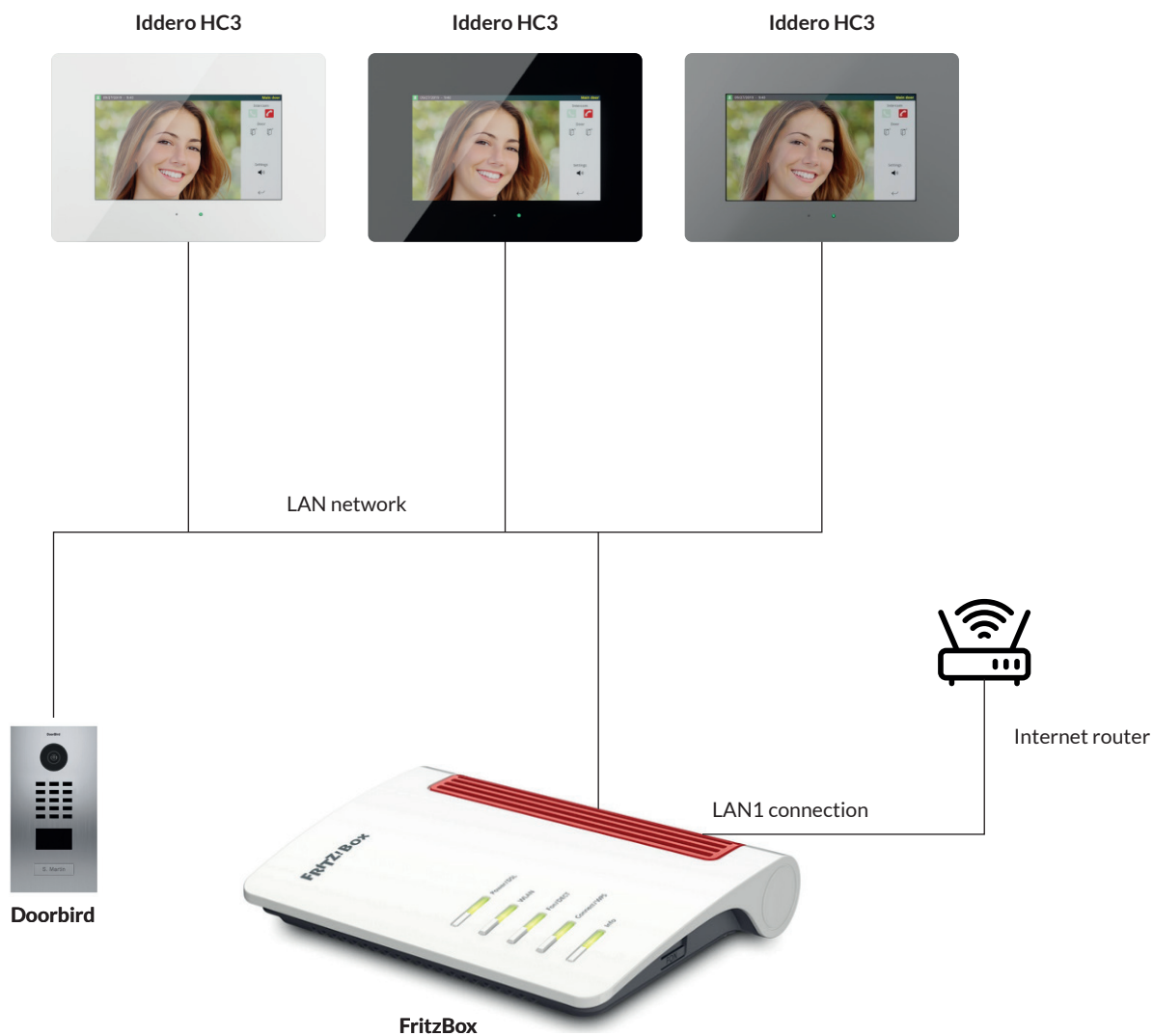Make simultaneous calls to several HC3 touch-displays

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Make simultaneous calls to several HC3 touch-displays

Iddero HC3   Iddero HC3   Iddero HC3

LAN network

Internet router

LAN1 connection

Doorbird

FritzBox

Note: Only compatible with screens supporting SIP registration (Iddero HC3)

1. Required devices

- 2 or more Iddero HC3 displays
- FritzBox Router: 7530 AX or compatible
- Doorbird Video Door Phone
- Internet connection

2. Referrer IP addressing

- Doorbird: 192.168.0.52
- FritzBox: 192.168.0.246
- Iddero HC3_1: 192.168.0.250
- Iddero HC3_2: 192.168.0.251

3. LAN and WAN configuration of the FritzBox router

Enter a name to identify it on the local network

Select **"IP Client"** if you are part of an existing local network (finished installations) or **"Internet Router"** if you want to create a separate LAN (recommended for new installations).

In the case of selecting **"IP Client"**:
Because Doorbird and the various HC3s need to register to the FritzBox SIP service, the IP address of your LAN1 network interface is required to be fixed. For this purpose, either an IP address is reserved in the router of the Internet provider on the DHCP server (reserved by MAC) or a static IP is assigned on the local LAN1 interface of the FritzBox router.

In this example, the "**IP client**" configuration is used.
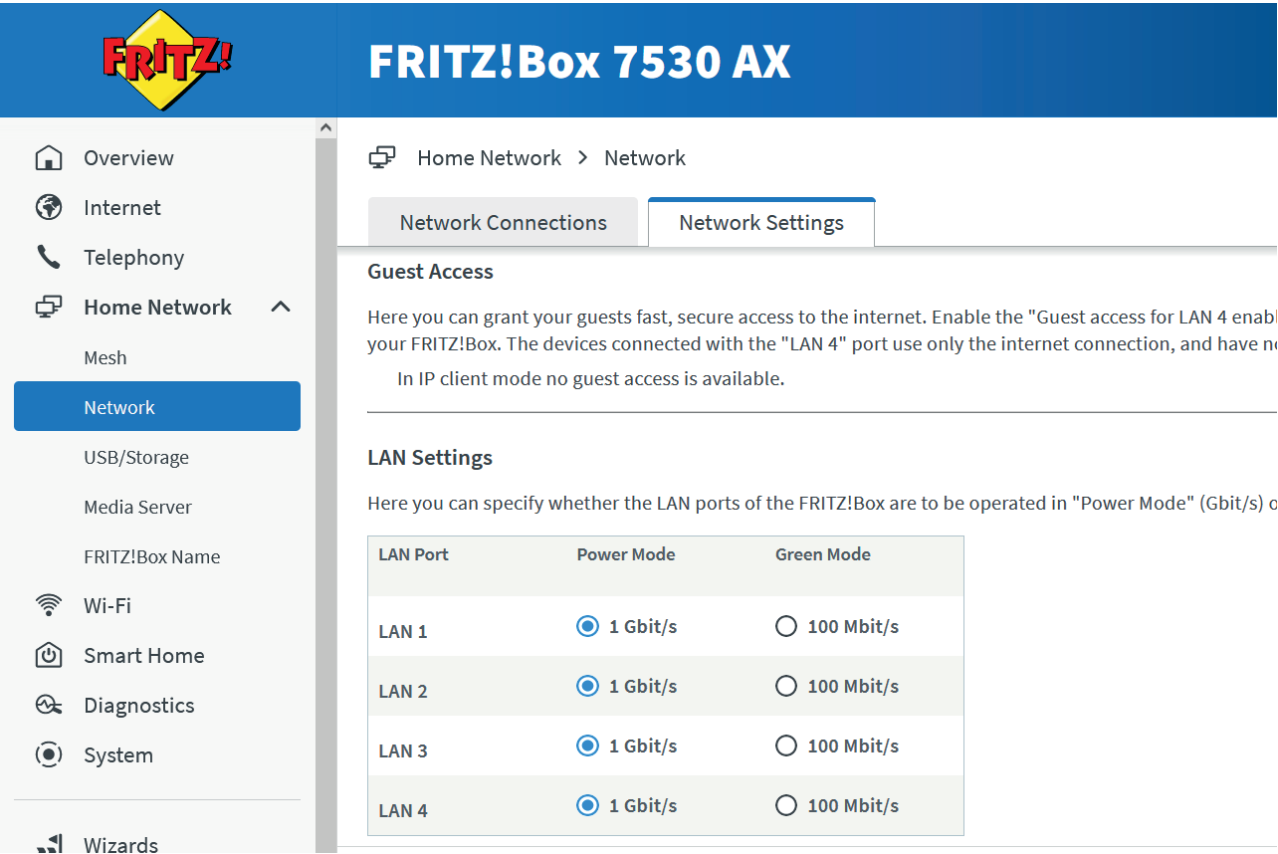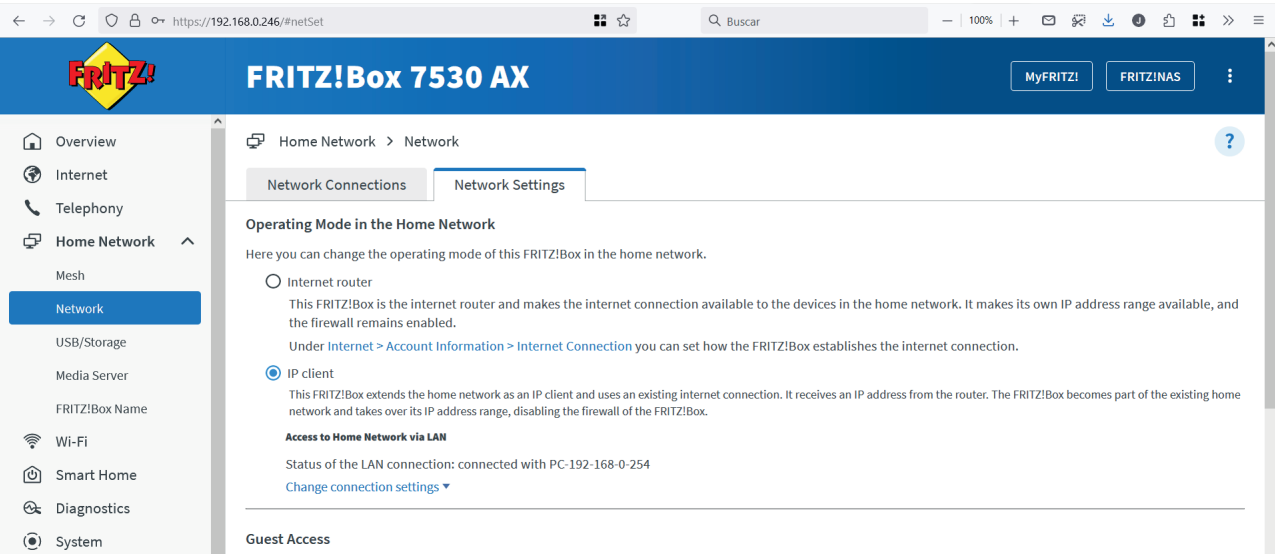
The connection with the existing router must be made using the LAN 1 network port

4. SIP IP Intercom Configuration

Create a new telephone device (type IP Intercom)

Select "**Door Intercom System**"

Select the type of communication and name

Generate a username / password that will be used later by Doorbird and HC3 displays for SIP registration in the IP Intercom you just created

Configuring a door intercom system

Your door intercom system has up to 4 doorbells. The telephone numbers of the doorbells are defined in the door intercom system. Check the assigned telephone numbers and specify to which telephones each doorbell should be routed.

Doorbell	Telephone Number of the Doorbell	Route Doorbells to	
Ring key 1	11	All telephones	

Add Doorbell

Back   Next   Cancel

Apply Settings

The door intercom system is being configured in FRITZ!Box with the following settings.

Telephony device	Door intercom system
Name of the door intercom system	Door intercom Doorbird
connected to	LAN / Wi-Fi (IP door intercom system)

To save the settings in the FRITZ!Box, please click on "Apply".

Back   Apply   Cancel
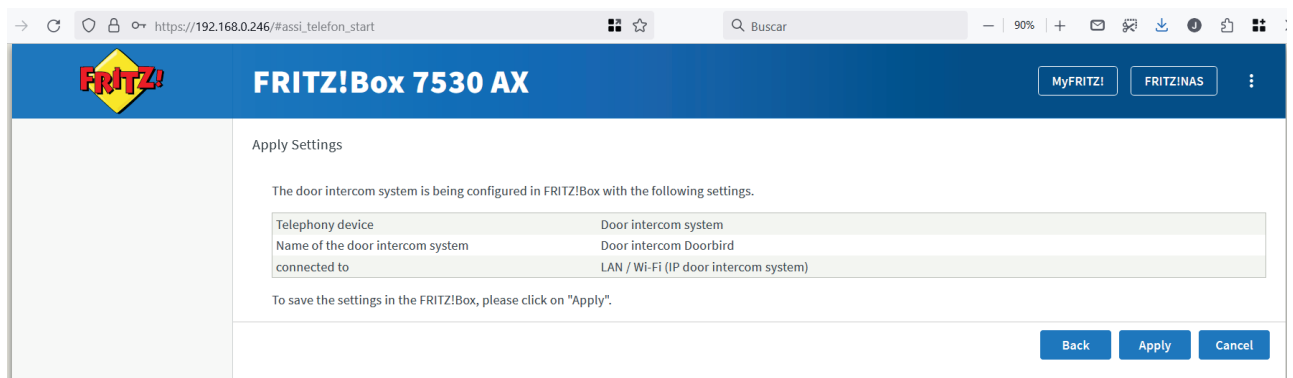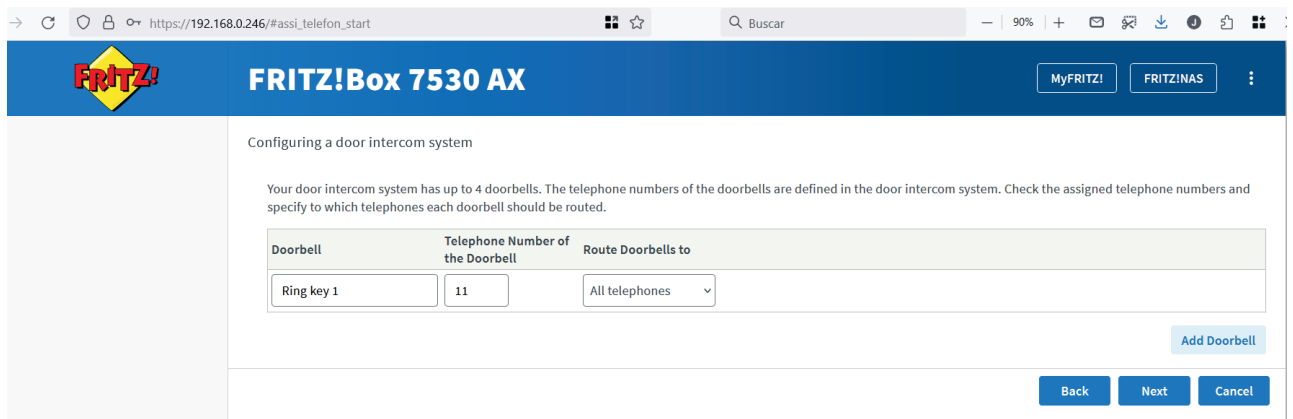
Confirm the process by pressing a push button on the FritzBox router

Confirm

Execution requires additional confirmation.
1. Pick up a telephone connected to the FRITZ!Box.
2. Enter: *17260
3. Confirm your entries with the call key.
4. Wait for the acknowledgment tone and hang up.

No telephone? Confirm with FRITZ!Box button or app ▼

Cancel

✔ Procedure Confirmed

Click on "OK" to conclude the procedure.

OK   Cancel

Once the telephone device is generated, both Doorbird and the HC3 displays can be registered to receive the calls generated by the Doorbird outdoor unit.

The IP telephone device (Doorbird Door Intercom) will be responsible for redirecting the incoming call to all devices registered in it.

5. Configuring HC3 displays

The configuration must be done in 2 places, in the **IdderoConfig configuration tool** and also physically on **the screen itself, under System -> SIP Configuration**.

Configuration in IdderoConfig

The configuration in IdderoConfig of the HC3, only requires the usual configuration, that is, in the video door phone section, to add a "Generic" video door phone (fom version 4.6 of iddero-config you can choose a "Doorbird" type video door phone).

The fields to be configured are those highlighted in red (the FritzBox router does not have to be taken into account for the moment).

- The "Caller ID" field should not be taken into account for this multi-call setup
- Username/password and IP address data referr to the Doorbird user
- This configuration must be replicated on all displays meant to receive the simultaneous call

SIP Configuration in System directly on the display

This step must be performed after configuring the FritzBox router so that the displays are properly registered:

- The credentials generated in the IP Intercom configuration on the FRitzBox router together with the IP address of the FritzBox router, must be used so that both the Doorbird video intercom and the displays register their SIP configuration in the IP Intercom.
- The "Enable Logging" option must be enabled
- If everything is correct, it should show **"Registered"** on the display itself when saving the SIP data
- This configuration must be replicated on all displays meant to receive the call simultaneously.
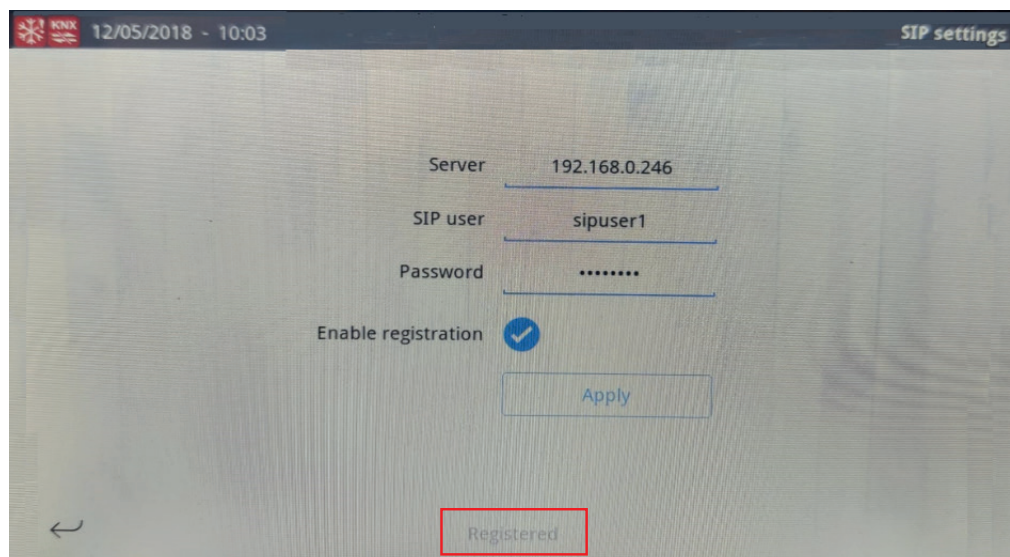
6. Doorbird app settings

This step must be performed after configuring the FritzBox router for Doorbird to properly register.

For the call to propagate to the HC3 displays, Doorbird must be registered on the IP Intercom previously created on the FritzBox router. This requires the following settings:

- SIP numbers: Add the SIP number dynamically assigned by FritzBox when the IP Intercom (in this case 620) followed by @ and the FritzBox IP address was added.
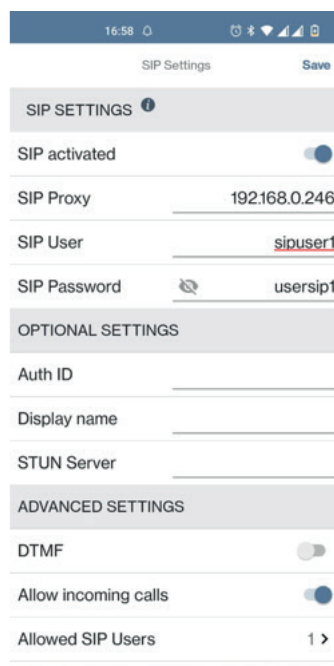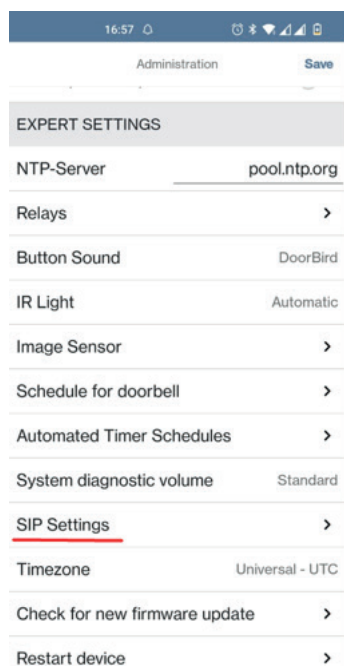- Asterisks must be included.
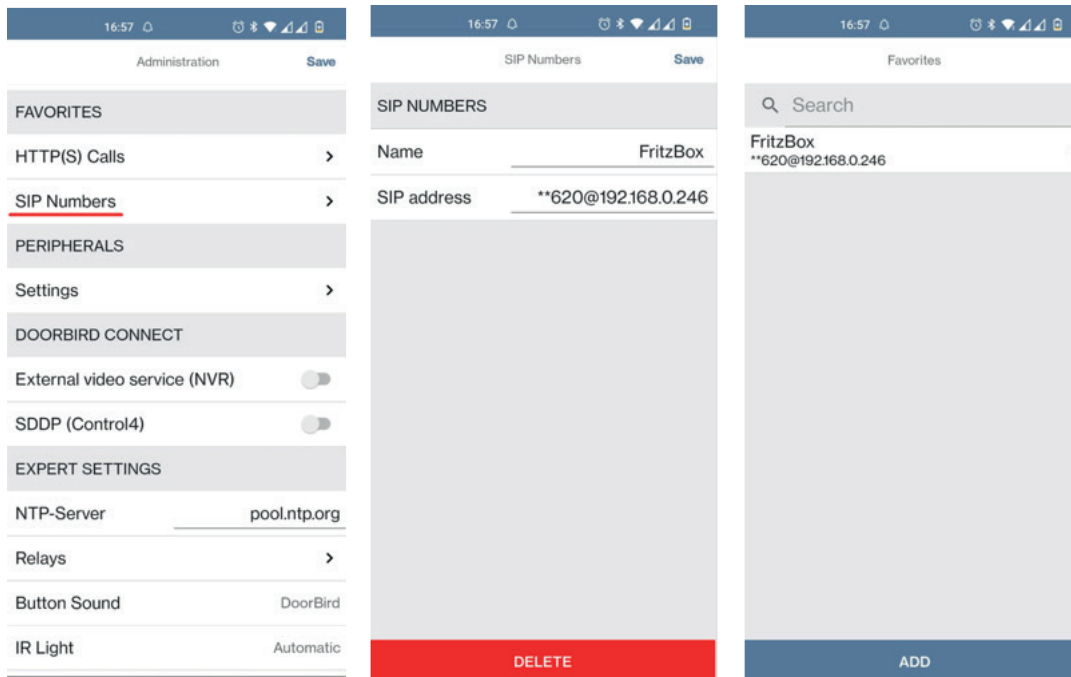
Activate every day of the week for SIP call
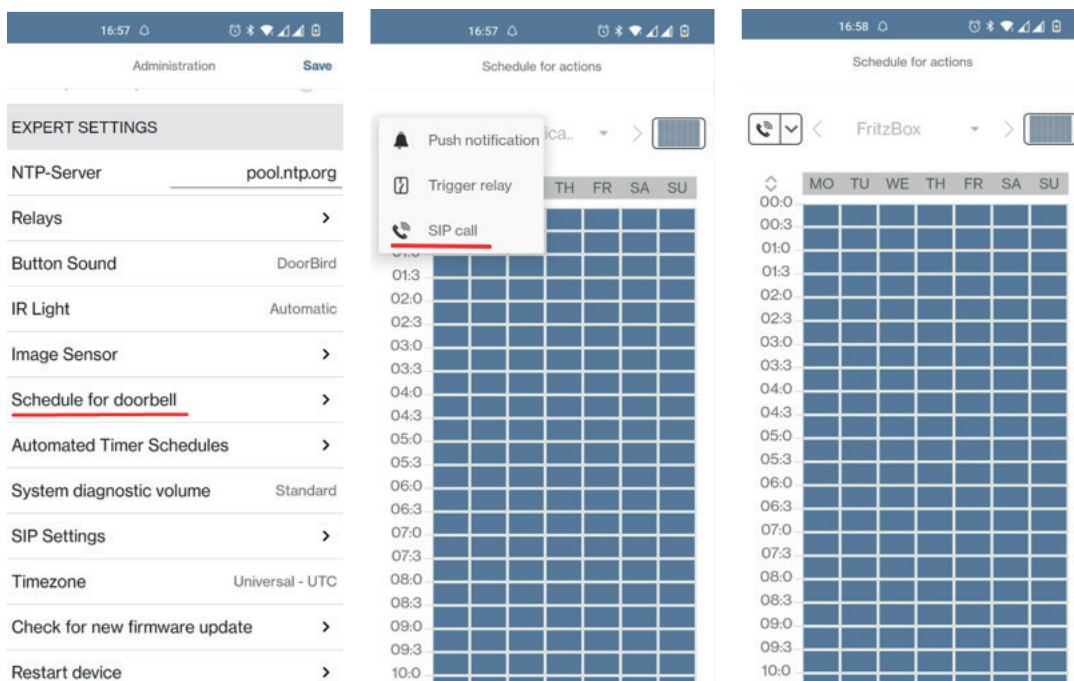
Enable SIP and fill in the following fields in "SIP Settings"

- **SIP Proxy:** IP address router FritzBox
- **SIP User/Password:** Credentials assigned during IP intercom setup on the FritzBoz router

- Enable Allow incoming calls
- Allowed SIP numbers, add the number assigned to the IP intercom (620) followed by the FritzBox IP address
- Asterisks must also be included
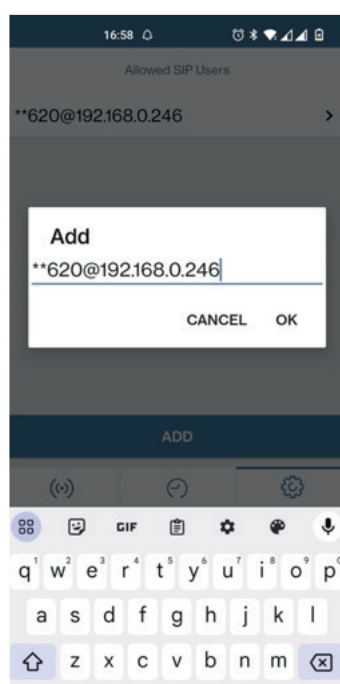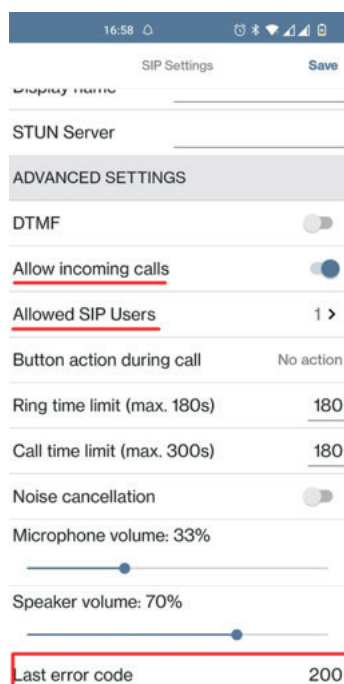
- The error code should be 200 (Indicates that the request was successful).
- Indicates that the Doorbird video door station has successfully performed the SIP registration on the IP Intercom created on the FritzBox router
- **NOTE:** The IP address of Doorbird must be configured in the internet router or in FritzBox to be a fixed IP address according to its MAC, otherwise it will always be by DHCP and the image of the video door entry system will no longer be shown on the screens, as this IP address can change at any time.