



# FEATURED SOLUTION

Integration guide Doorbird-Iddero

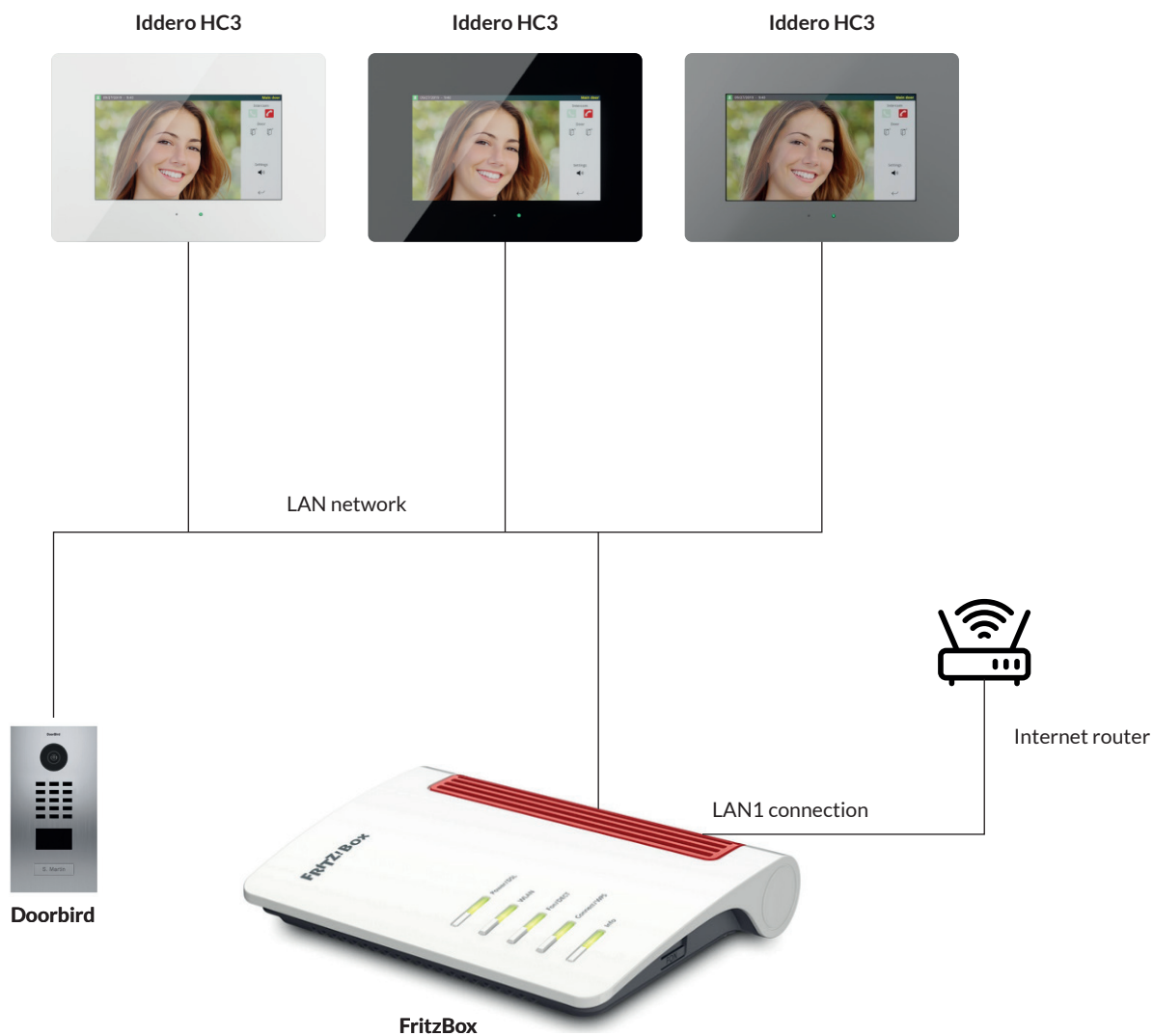
Make simultaneous calls to several HC3 touch-displays



V10 / 23

## Integration guide Doorbird-Iddero

### Make simultaneous calls to several HC3 touch-displays



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

Advanced IP Scanner

File View Settings Help

Scan

192.168.0.1-254

Results Favorites

Status	Name	IP	Manufacturer	MAC address	Comments
	Puesto1	192.168.0.1	ASUSTek COMPUTER INC.	0C:9D:92:74:56:50	
	Puesto8	192.168.0.8	ASUSTek COMPUTER INC.	0C:9D:92:77:9B:E1	
>	192.168.0.11	192.168.0.11		CC:1B:E0:80:E4:B5	
>	DoordBird	192.168.0.52	Doorbird	1C:CA:E3:71:04:FD	
	evo5	192.168.0.208	PCS Systemtechnik GmbH	08:00:27:DE:8D:5A	
>	192.168.0.215	192.168.0.215	IPAS GmbH	00:05:26:81:8D:EE	
	192.168.0.227	192.168.0.227	Intesis Software SL	CC:3F:1D:04:5B:90	
	PC-JoseMiguel	192.168.0.241	Intel Corporate	E4:A4:71:11:35:82	
>	ArcusIPGW-II	192.168.0.242	Microchip Technology Inc.	80:1F:12:DA:2E:CD	
>	192.168.0.246	192.168.0.246	FritzBox	0C:72:74:9E:37:11	
>	hc3-01004547	192.168.0.250	Iddero HC3_1	A4:ED:43:10:45:47	
>	hc3-01004DDC	192.168.0.251	Iddero HC3_2	A4:ED:43:10:4D:DC	
>	router.asus.com	192.168.0.254	ASUSTek COMPUTER INC.	18:31:BF:48:F4:18	

## 3. LAN and WAN configuration of the FritzBox router

Enter a name to identify it on the local network

← → ↺ 🔒 🔑 🔍 https://192.168.0.246/#boxname

FRITZ!Box 7530 AX

MyFRITZ! FRITZ!NAS

Overview Internet Telephony Home Network Mesh Network USB/Storage Media Server FRITZ!Box Name Wi-Fi Smart Home Diagnostics System

Home Network > FRITZ!Box Name

In your home network, the FRITZ!Box will be displayed under a default name. If you would like to assign the FRITZ!Box an individual name, you can do so here. This name will then be used to identify the following functions:

- FRITZ!Box name in the home network
- FRITZ!Box name for MyFRITZ!
- Media server
- DECT base station

Enter here an individual name for the FRITZ!Box, so that it will be displayed under this name in the home network.

FRITZ!Box Name

fritz.box

Note:

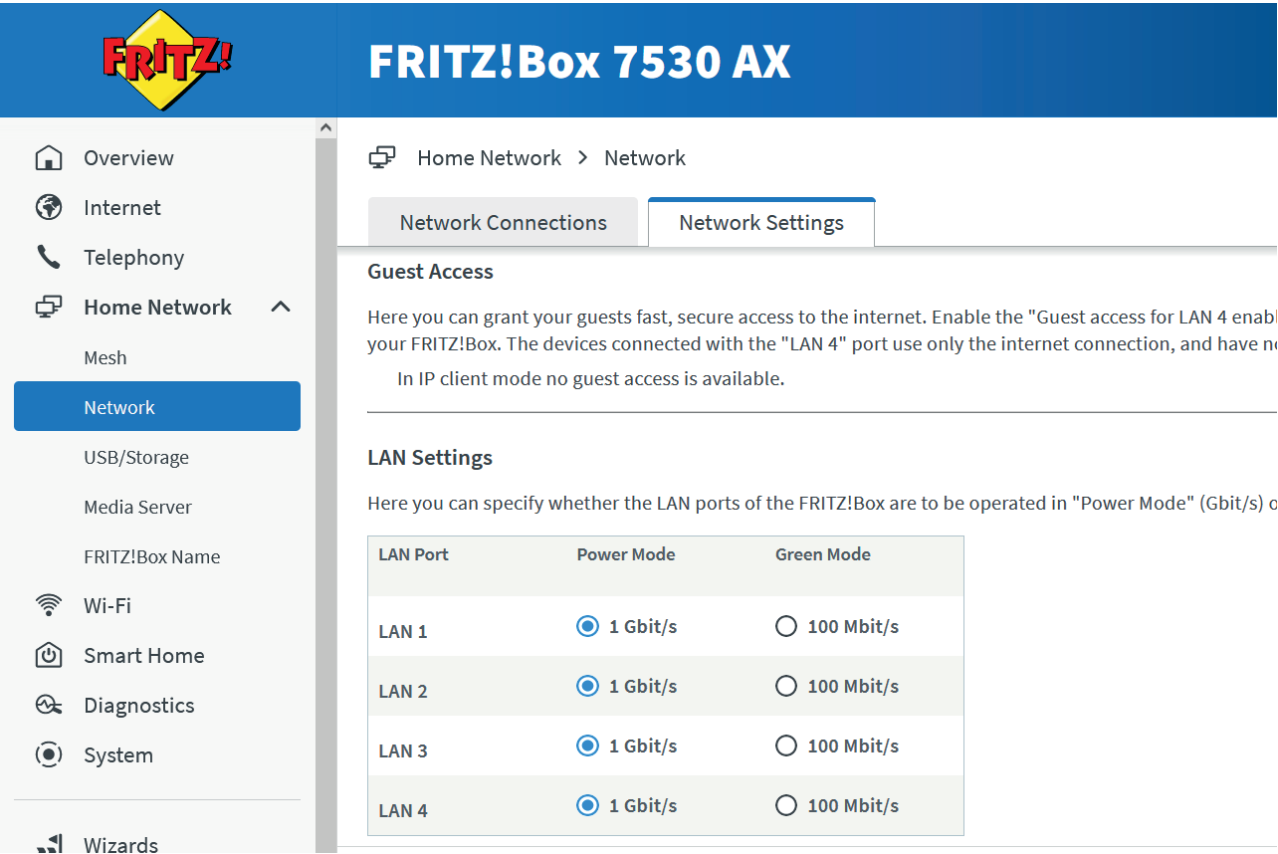
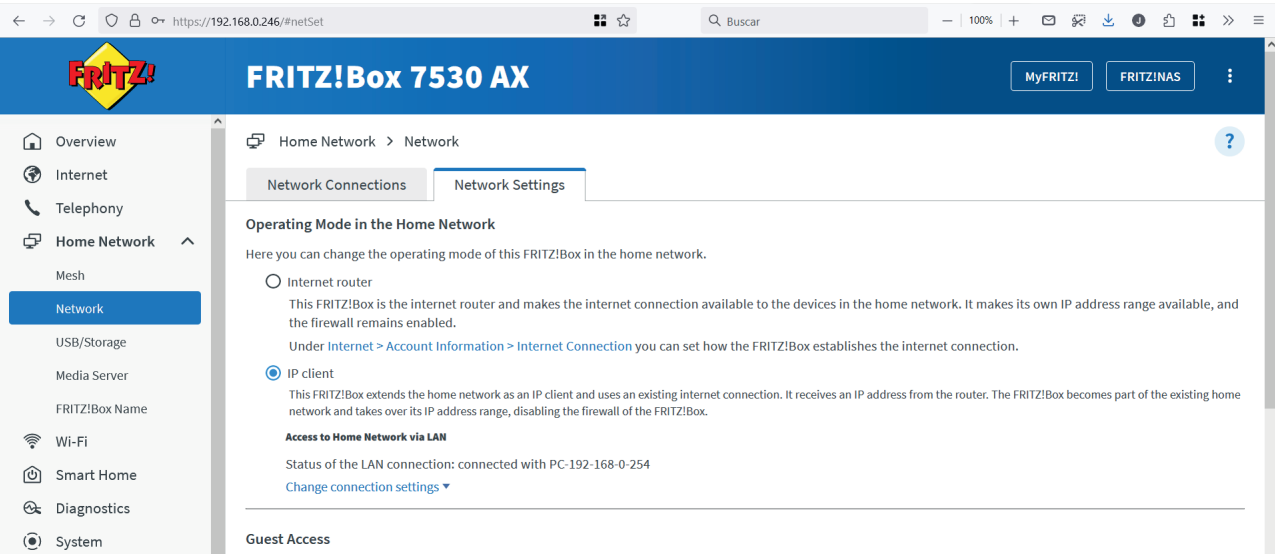
Please note that changing the FRITZ!Box name may make it necessary to reconfigure network links in the devices in your home network.

Apply Discard

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

FRITZ!

FRITZ!Box 7530 AX

MyFRITZ!FRITZ!NAS

OverviewInternetOnline MonitorAccount InformationPermit AccessMyFRITZ! AccountTelephonyHome NetworkWi-FiSmart HomeDiagnosticsSystemWizardsHelp and Info

Internet > Account Information

Internet ConnectionIPv6LISPAVM ServicesDNS Server

Select your internet service provider.

Internet service providerother internet service provider

Name

Connected via

Specify how the internet connection should be established.

Connection to a DSL line

Select this kind of connection when the FRITZ!Box is connected to your DSL line using the DSL cable. The DSL modem integrated in the FRITZ!Box is used for the internet connection.

Connecting to a cable modem (cable connection)

Select this kind of connection if the "LAN 1" port of the FRITZ!Box is to be connected to a cable modem that establishes the internet connection.

Connection to an external modem or router

Select this kind of connection if the "LAN 1" port of the FRITZ!Box is connected to an already existing external modem or router.

Operating Mode

Specify whether the FRITZ!Box connects to the internet itself or shares an existing internet connection.

Establish own connection to the internet

The FRITZ!Box disposes over its own IP address range. The firewall remains enabled.

Share existing internet connection in the network (Mesh Wi-Fi / IP client mode)

The FRITZ!Box becomes part of the existing home network and takes over this IP address range. The firewall of the FRITZ!Box is disabled. If the other router that spans the home network is also a FRITZ!Box with Mesh Wi-Fi functionality, this FRITZ!Box can become part of the Mesh Wi-Fi.

ApplyDiscard

4. SIP IP Intercom Configuration

Create a new telephone device (type IP Intercom)

FRITZ!

FRITZ!Box 7530 AX

MyFRITZ!FRITZ!NAS

OverviewInternetTelephonyCallsAnswering MachineTelephone BookAlarmFaxCall HandlingTelephone DevicesTelephone NumbersDECTHome Network

Telephony > Telephony Devices

Here you can configure and edit all of the connected and integrated telephony devices like telephones, answering machines, fax machines and door intercom systems.

Name	Connect via	Number for Outgoing Calls	Incoming Number	Internal	
Telephone	FON 1	-	all	**1	
Interfono-doorbird	LAN/WLAN	-	-	**620	
Answering Machine	integrated	-	all	**600	

Print ListConfigure New Device

## Select "Door Intercom System"

Configuring a Telephony Device

What kind of telephony device would you like to configure?

**Connected to the FRITZ!Box**

You can connect various telephony devices to your FRITZ!Box:

- ☐ Telephone (with or without answering machine)
- ☒ Door intercom system

**Integrated in the FRITZ!Box**

Without having to connect a separate device, here you may configure up to five different answering machines and the fax function.

- ☐ Answering machine
- ☐ Fax function

Next Cancel

## Select the type of communication and name

Connecting a door intercom system

1. Connect the door intercom system with and a/b interface to a free FON port on the FRITZ!Box.
2. Select the port to which you connected the door intercom system.
  - ☐ FON 1 (Door intercom system with a/b interface) - busy
  - ☒ LAN / Wi-Fi (IP door intercom system)
3. Enter a name for the door intercom system.

Door intercom Doorbird

Back Next Cancel

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

IP door intercom system

Make a note of the registrar, the username and the password you define. With this account information you can then register your IP door intercom system with the FRITZ!Box.

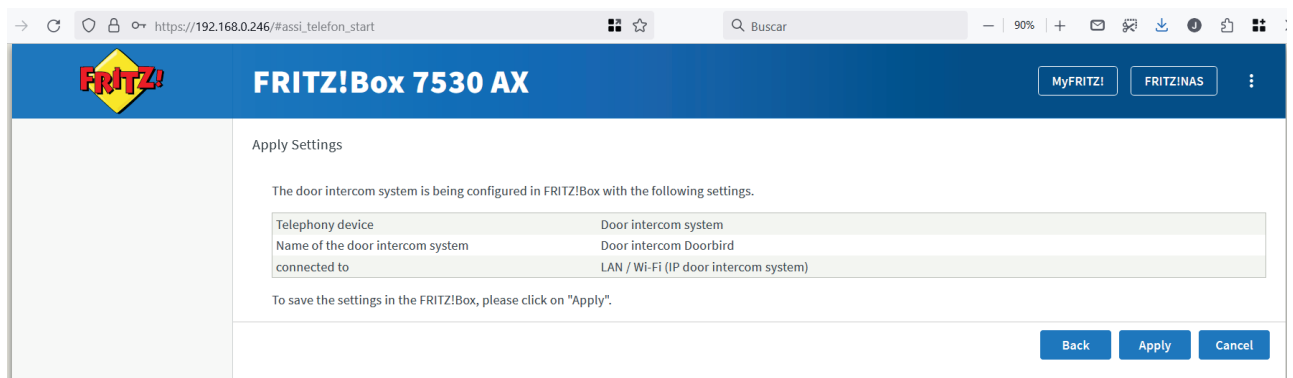
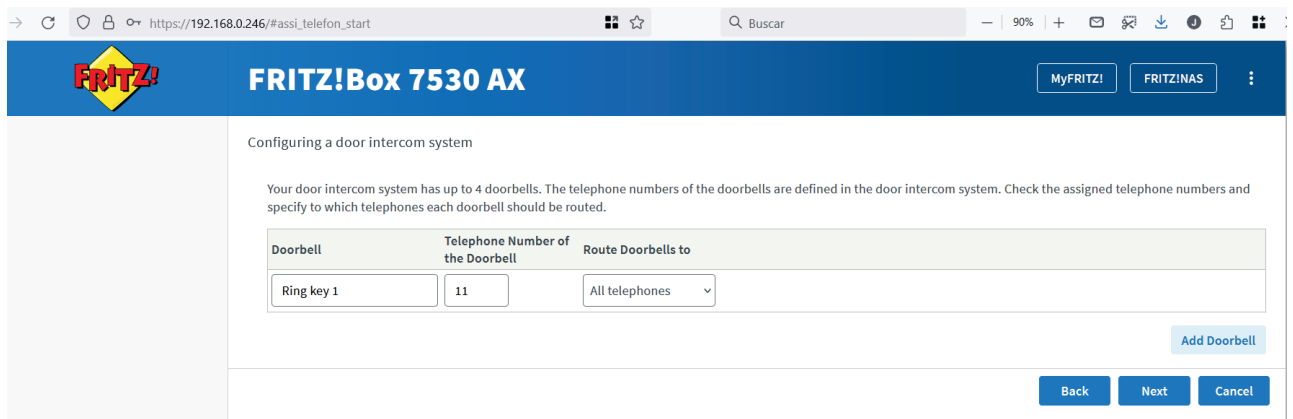
Registrar fritz.box or 192.168.188.1

Username

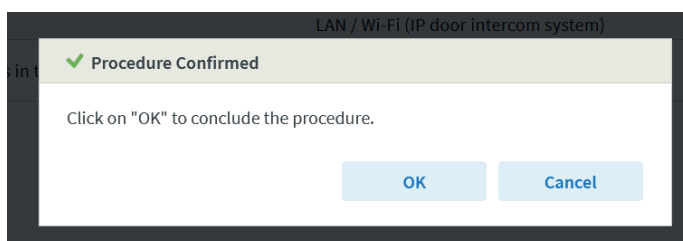
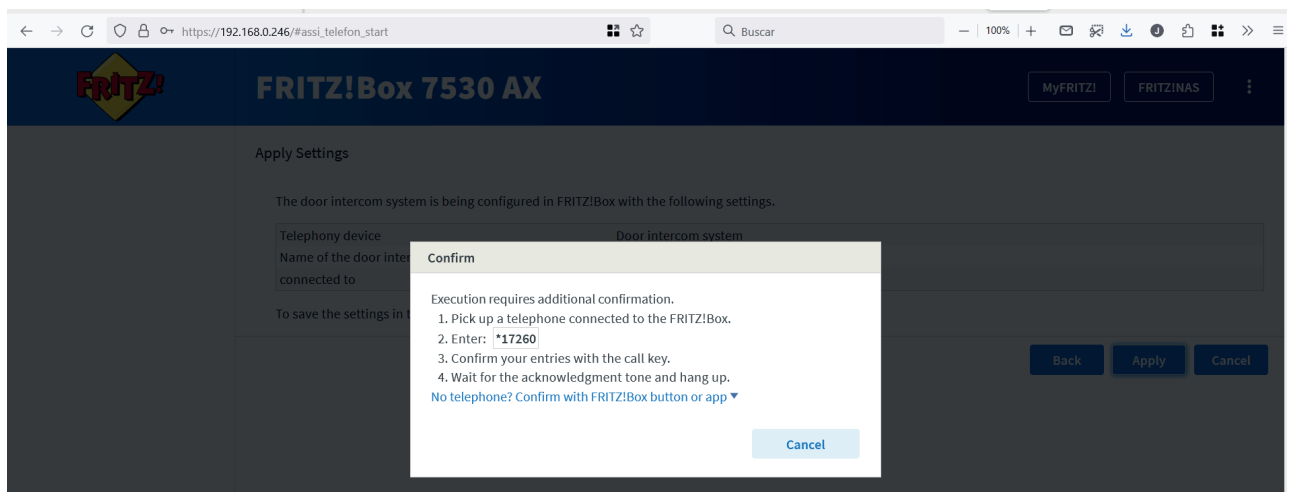
Password

medium

Back Next Cancel



Confirm the process by pressing a push button on the FritzBox router



FRITZ!Box 7530 AX

MyFRITZ! FRITZ!NAS

Overview  
Internet  
**Telephony**  
Calls  
Answering Machine  
Telephone Book  
Alarm  
Fax  
Call Handling  
**Telephony Devices**  
Telephone Numbers  
DECT

Telephony > Telephony Devices

Here you can configure and edit all of the connected and integrated telephony devices like telephones, answering machines, fax machines and door intercom systems.

Name	Connect via	Number for Outgoing Calls	Incoming Number	Internal	
Telephone	FON 1	-	all	**1	
<u>Door intercom Doorbird</u>	LAN/WLAN	-	-	**620	
Answering Machine	integrated	-	all	**600	

Print List Configure New Device

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 (from 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 refer to the Doorbird user
- This configuration must be replicated on all displays meant to receive the simultaneous call

Iddero configuration - D:\Share Point\Futurasumus SL\Técnico - Documentos\Documentación>Showroom\HC3\_VERSO\_VIDEOPORTER

File Project Programming Configuration Help

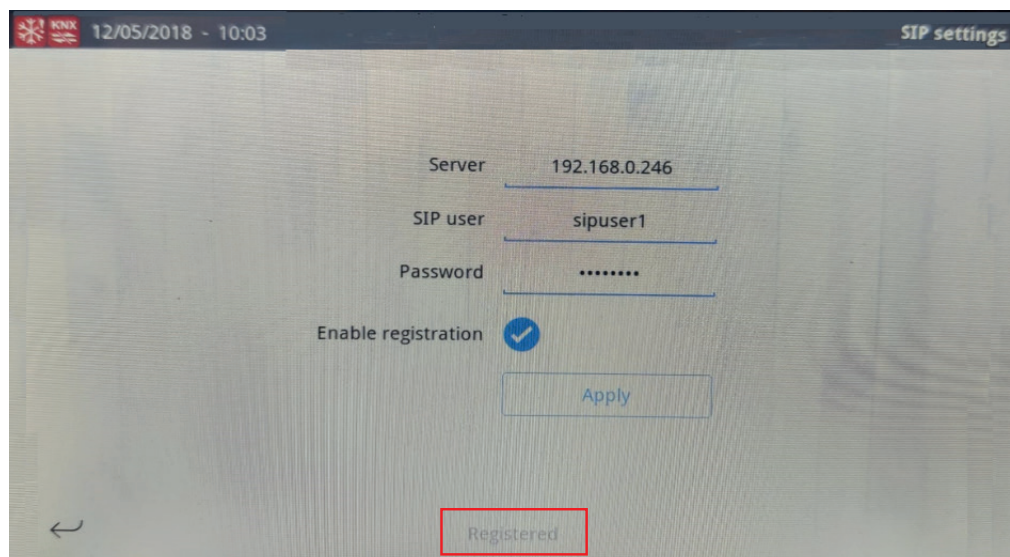
**[1] Doorbird**

Name:	Doorbird	
Caller ID:	621	
Video:	Built-in camera	←
Video stream:	HTTP / MJPEG	←
Path:	/bha-api/video.cgi	←
Open doors via:	HTTP	←
Extra button:	Second door	←
Open door HTTP path:	/bha-api/open-door.cgi	←
Extra action HTTP path:	/bha-api/open-door.cgi?r=2	
IP address:	192.168.0.52	←
HTTP port:		←
Username:		←
Password:		←
Enable events:	<input type="checkbox"/>	

## 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.

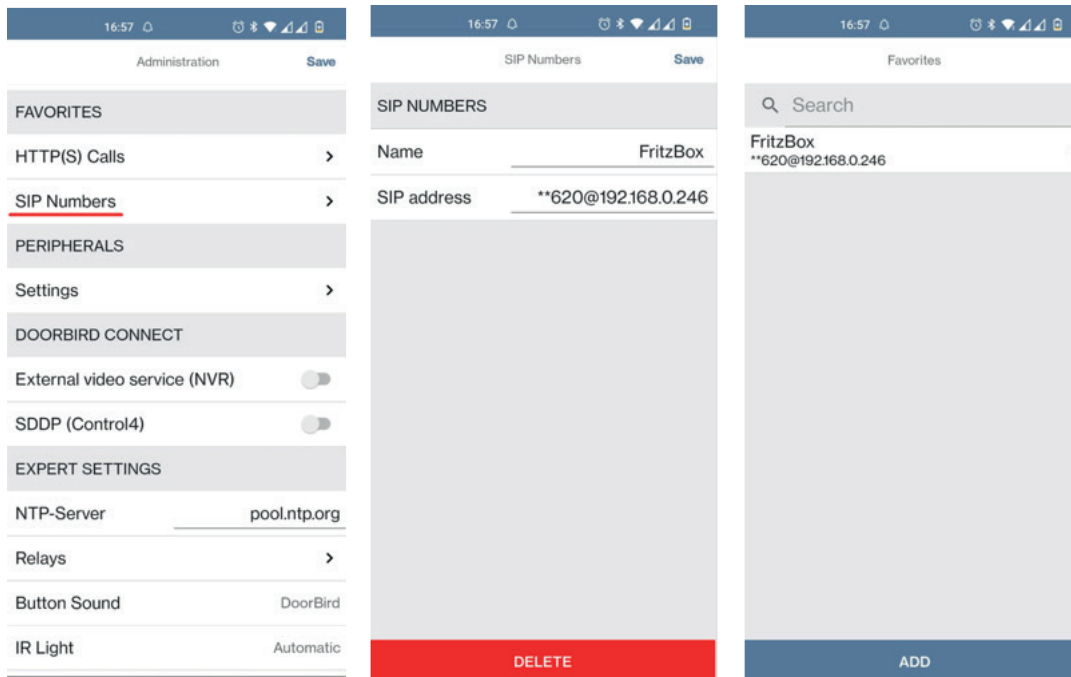


## 6. Doorbird app settings

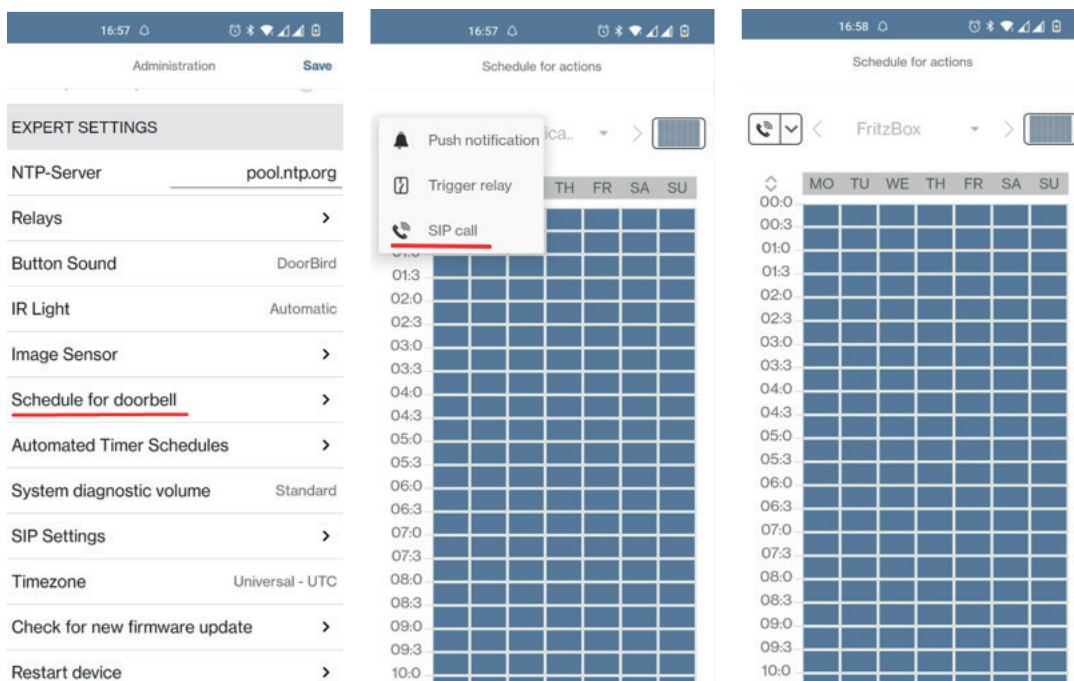
This step must be performed after configuring the FritzBox router for Doorbird to properly register.

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.

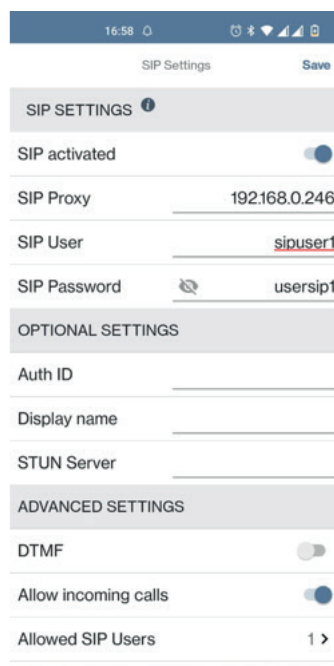
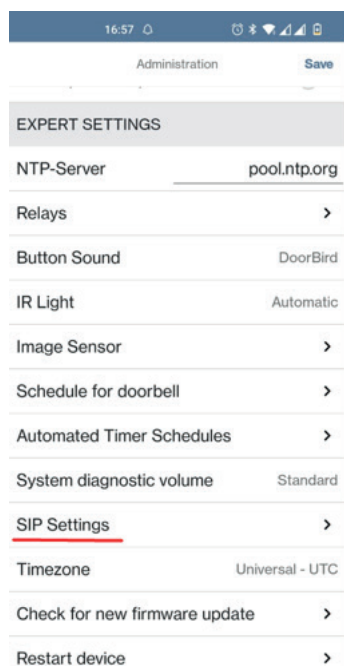


Activate every day of the week for SIP call

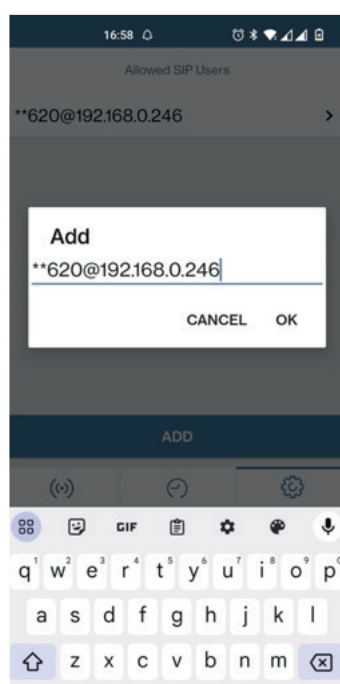
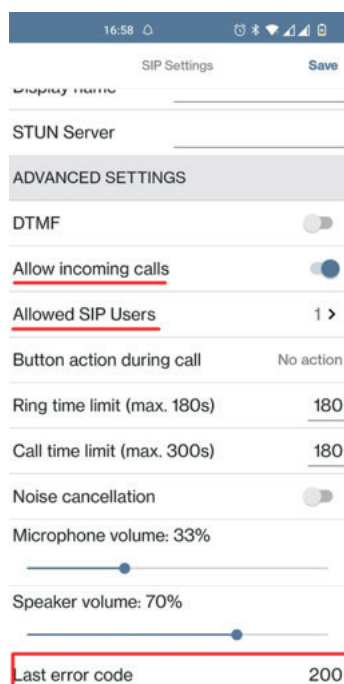


Enable SIP and fill in the following fields in "SIP Settings"

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