



FEATURED SOLUTION

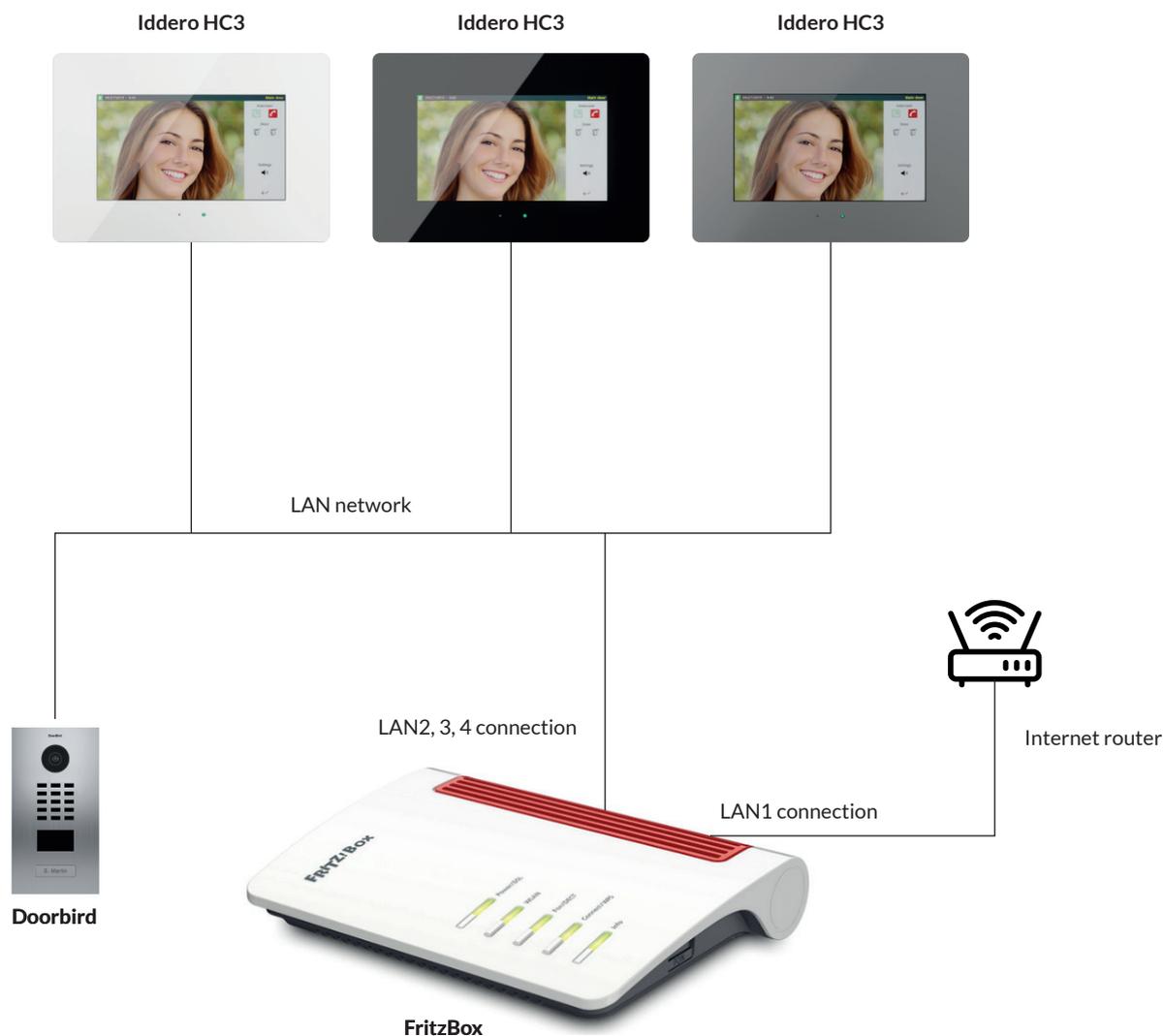
Integration guide Doorbird-Iddero

Make simultaneous calls to several Iddero HC3 touch-displays

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Notes:

SIP registration:

Only compatible with screens supporting SIP registration (Iddero HC3)

Streaming limitation on DoorBird

The DoorBird street panel only allows a single simultaneous video stream. When a call comes in on multiple screens, they all try to open the video at the same time, but the Doorbird cannot handle more than one session.

To avoid this conflict, we recommend configuring the "show video only during calls" option in iddero-config. This way, the call will ring on all three HC3s, but only the one that answers the call will display the video, and only while the call remains active.

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! FRITZ!Box 7530 AX MyFRITZ! FRITZINAS

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

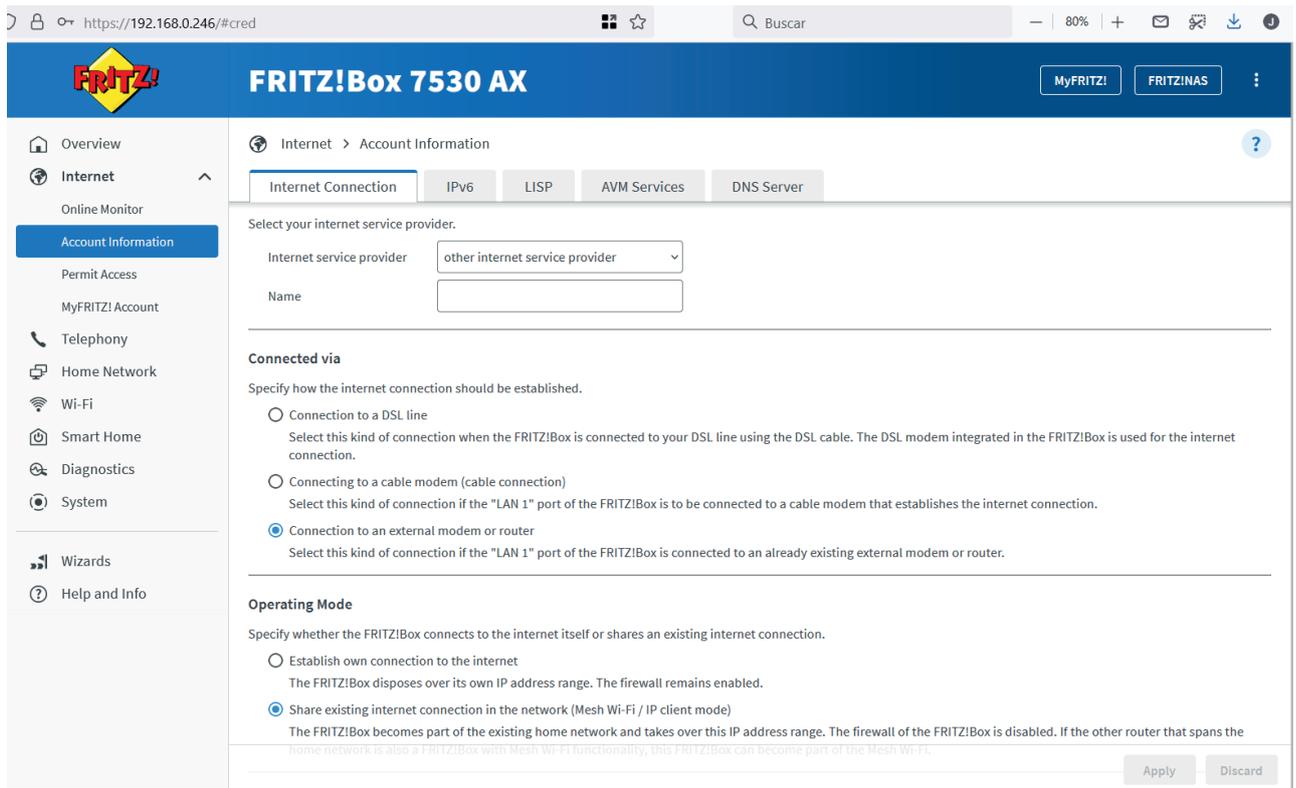
Select "IP Client" if you are part of an existing local network or "Internet router" if you want to create a separate LAN network.

The screenshot shows the FRITZ!Box 7530 AX web interface. The browser address bar displays `https://192.168.0.246/#netSet`. The page title is "FRITZ!Box 7530 AX". The left sidebar contains navigation options: Overview, Internet, Telephony, Home Network (expanded), Mesh, Network (selected), USB/Storage, Media Server, FRITZ!Box Name, Wi-Fi, Smart Home, Diagnostics, and System. The main content area is titled "Home Network > Network" and has two tabs: "Network Connections" and "Network Settings". Under "Network Settings", the "Operating Mode in the Home Network" section is visible. It contains two radio button options: "Internet router" (unselected) and "IP client" (selected). The "IP client" option is described as extending the home network as an IP client and using an existing internet connection. Below this, there is a section for "Access to Home Network via LAN" showing the status of the LAN connection as "connected with PC-192-168-0-254" and a link to "Change connection settings".

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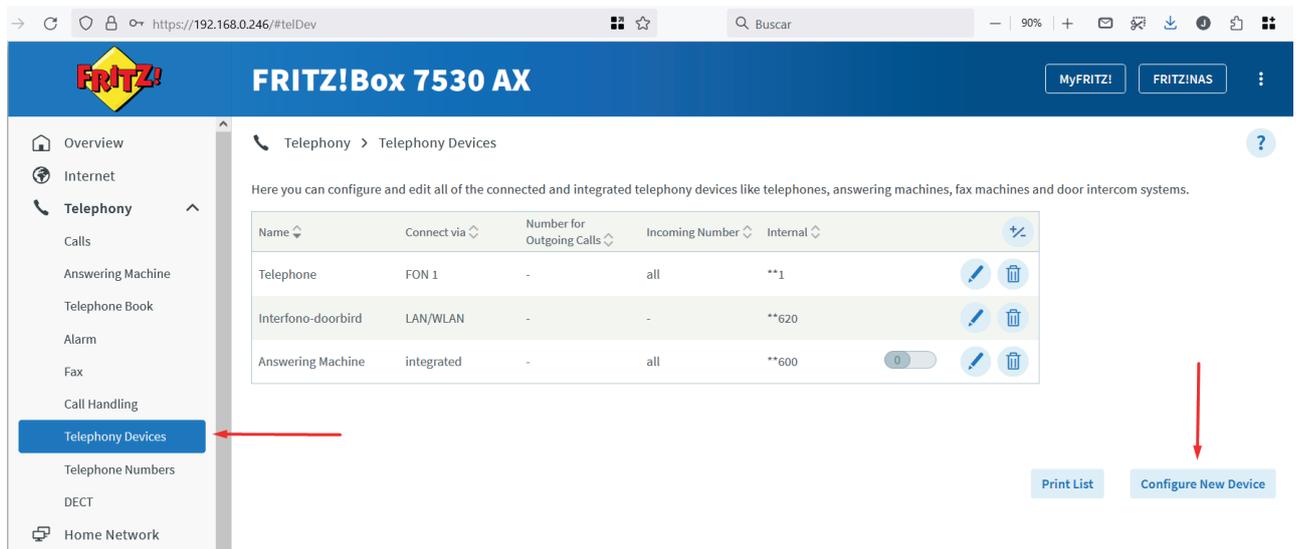
LAN Port	Power Mode	Green Mode
LAN 1	<input checked="" type="radio"/> 1 Gbit/s	<input type="radio"/> 100 Mbit/s
LAN 2	<input checked="" type="radio"/> 1 Gbit/s	<input type="radio"/> 100 Mbit/s
LAN 3	<input checked="" type="radio"/> 1 Gbit/s	<input type="radio"/> 100 Mbit/s
LAN 4	<input checked="" type="radio"/> 1 Gbit/s	<input type="radio"/> 100 Mbit/s

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"

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.

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

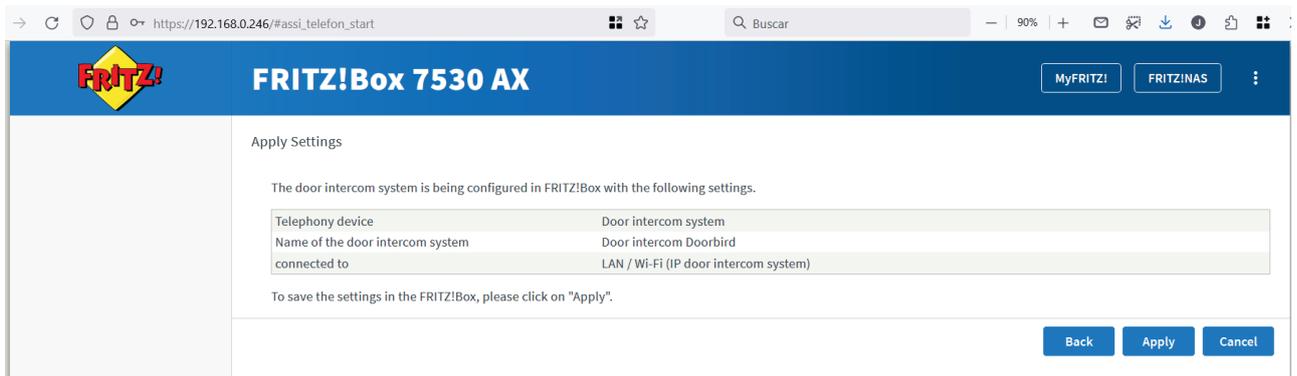
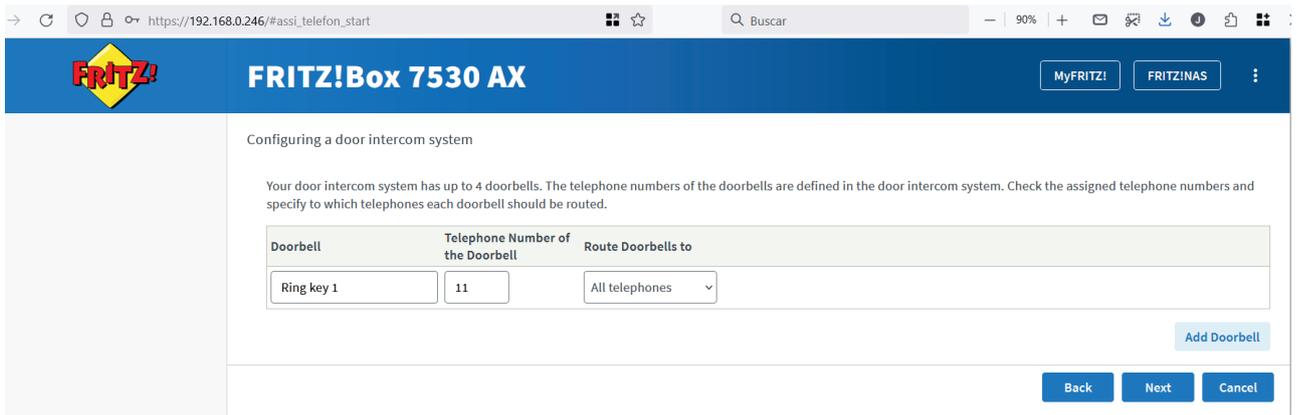
Make a note of the registrar, the username and the password you define. With this account information you can then register your IP door intercom system with the FRITZ!Box.

Registrar fritz.box or 192.168.188.1

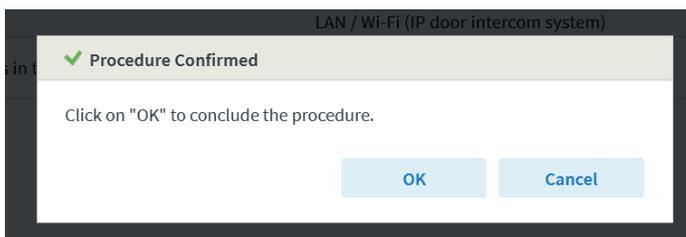
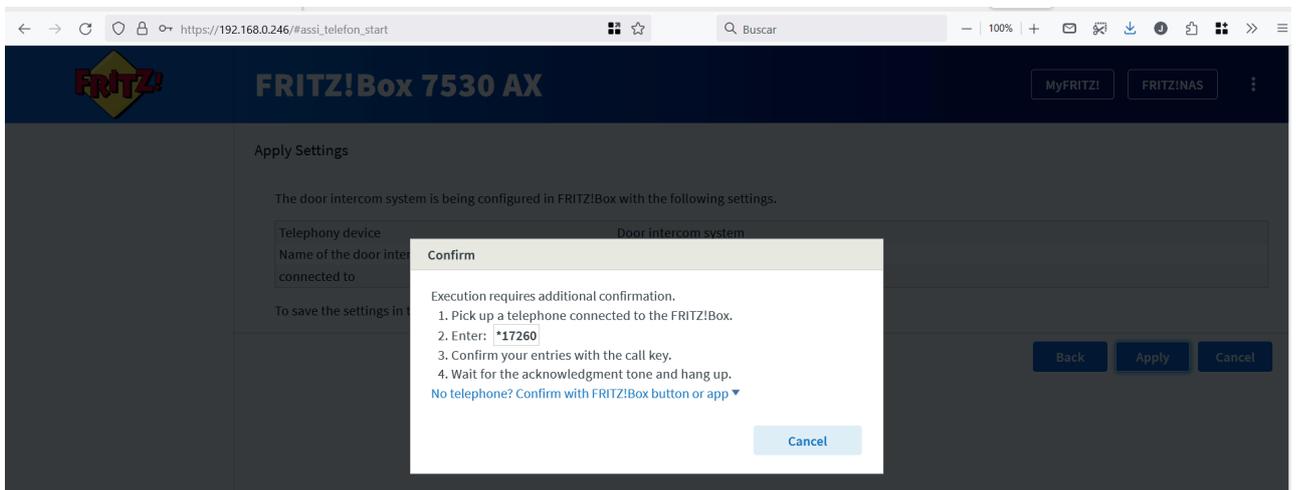
Username

Password
medium

Back Next Cancel



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



The screenshot shows the Fritz!Box 7530 AX web interface. The breadcrumb navigation is 'Telephony > Telephony Devices'. Below the header, there is a descriptive text: 'Here you can configure and edit all of the connected and integrated telephony devices like telephones, answering machines, fax machines and door intercom systems.' A table lists the devices with columns for Name, Connect via, Number for Outgoing Calls, Incoming Number, and Internal. The 'Door Intercom Doorbird' row is highlighted with a red underline. At the bottom right, there are buttons for 'Print List' and 'Configure New Device'.

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	<input type="checkbox"/>

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 IdderoConfig and in the SIP Configuration section within System.

Configuration in IdderoConfig

The configuration in IdderoConfig of the HC3, only requires the typical configuration (without taking into account the FritzBox router, that is, the fields to consider are those highlighted in red).

- 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\Futurasmus SL\Técnico - Documentos\Documentación>Showroom\HC3_VERSO_VIDEOPORTER

File Project Programming Configuration Help

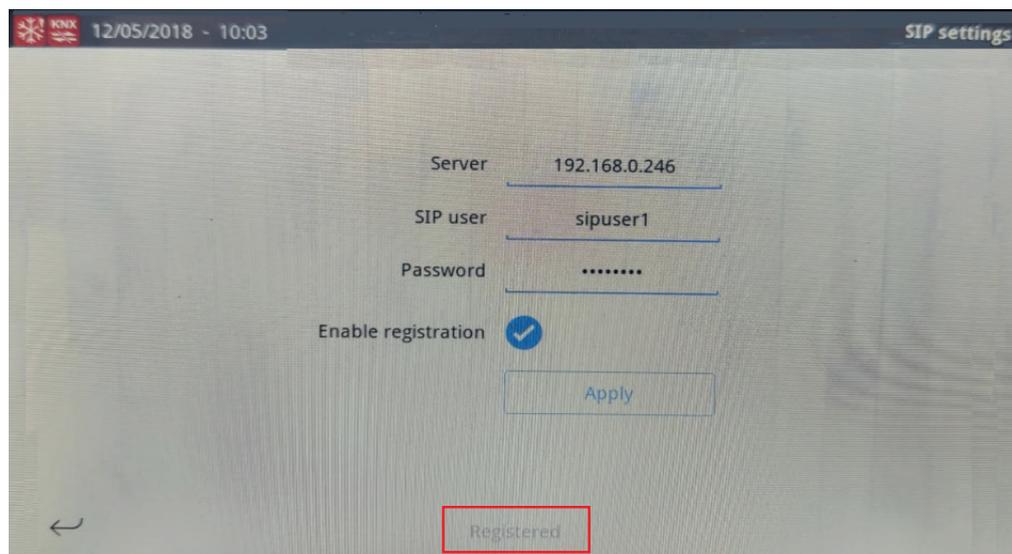
[1] Doorbird

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.

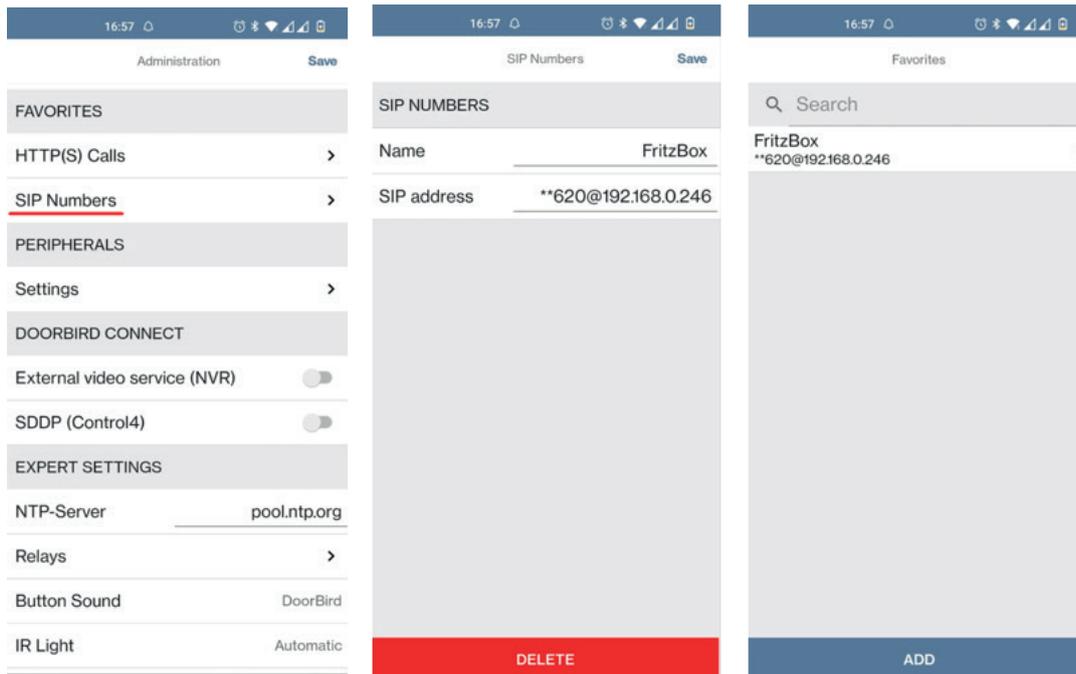


6. Doorbird app settings

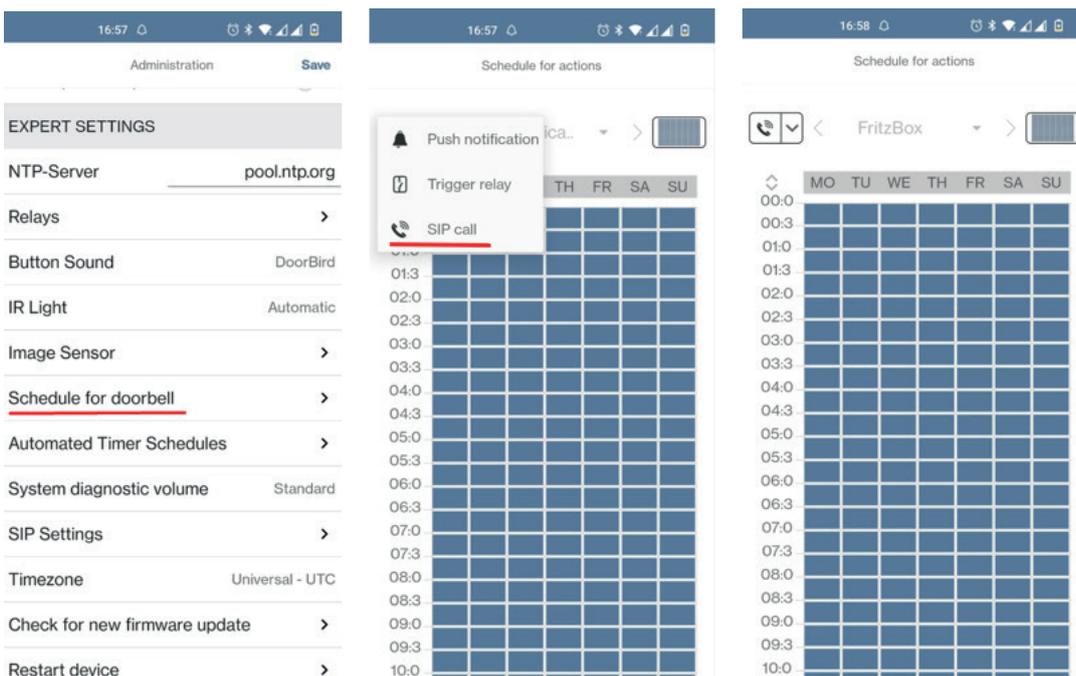
This step must be performed after configuring the FritzBox router for Doorbird to properly register.

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.

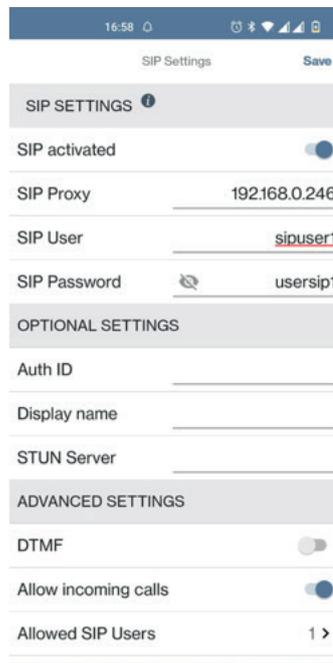
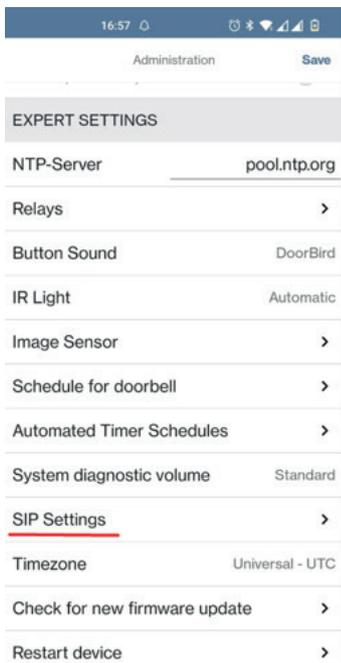


Activate every day of the week for SIP call

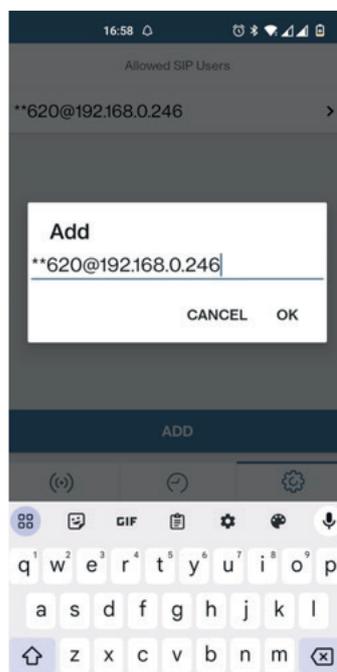


Enable SIP and fill in the following fields in "SIP Settings"

- **SIP Proxy:** IP address router FritzBox
- **SIP User/Password:** Credentials assigned during IP intercom setup on the 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 Doorbird video door station has successfully performed the SIP registration on the IP Intercom created on the FritzBox router