



FEATURED SOLUTION

Integration guide Doorbird-Iddero

Make simultaneous calls to several HC3 touch-displays



A large, abstract graphic in the background consisting of overlapping circles in various shades of blue and green, creating a dynamic, overlapping effect.

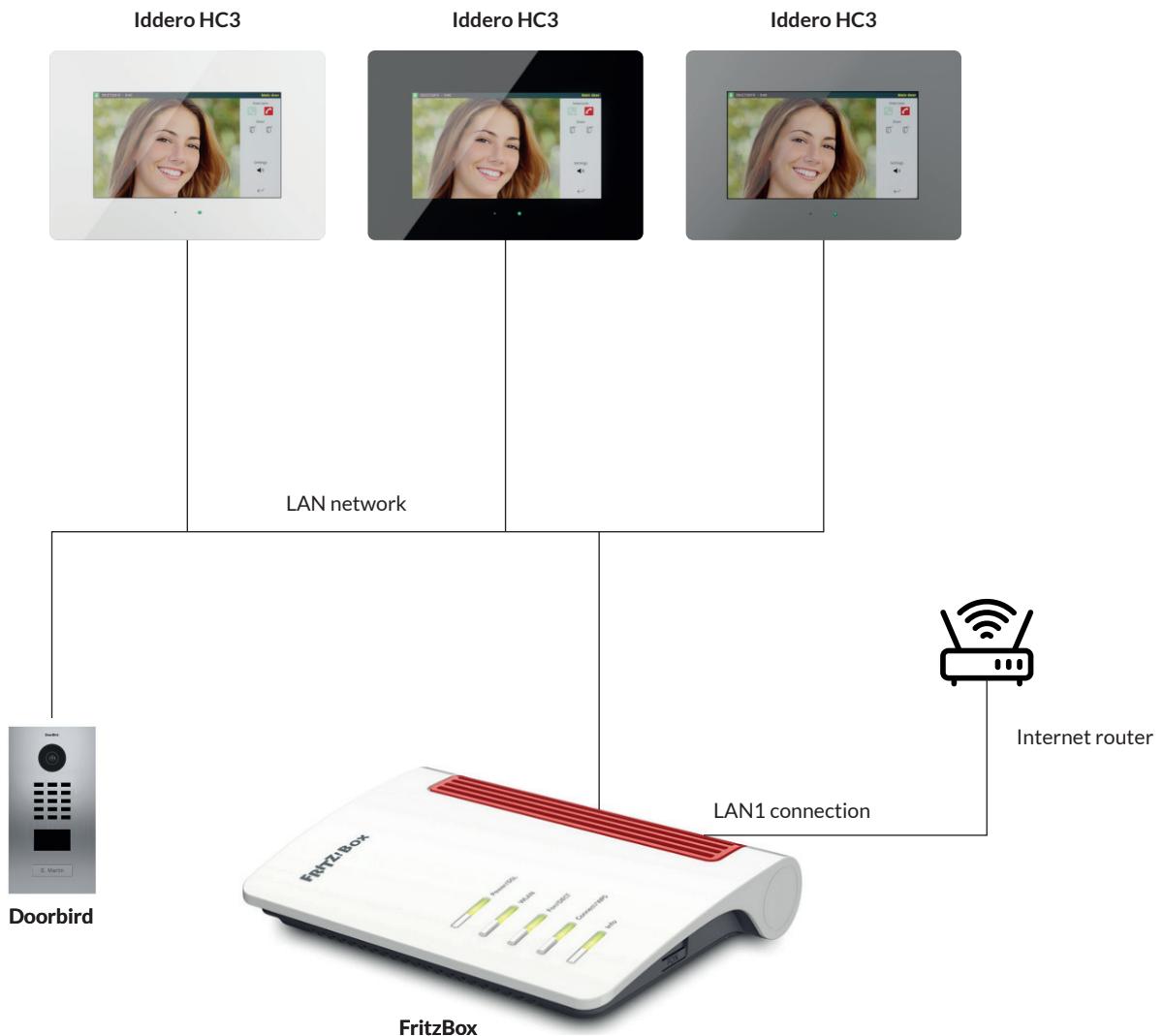
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Integration guide Doorbird-Iddero

Make simultaneous calls to several HC3 touch-displays



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

1. Required devices

- 2 or more Idbero 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
- Idbero HC3_1: 192.168.0.250
- Idbero HC3_2: 192.168.0.251

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

FRITZ!Box 7530 AX

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.

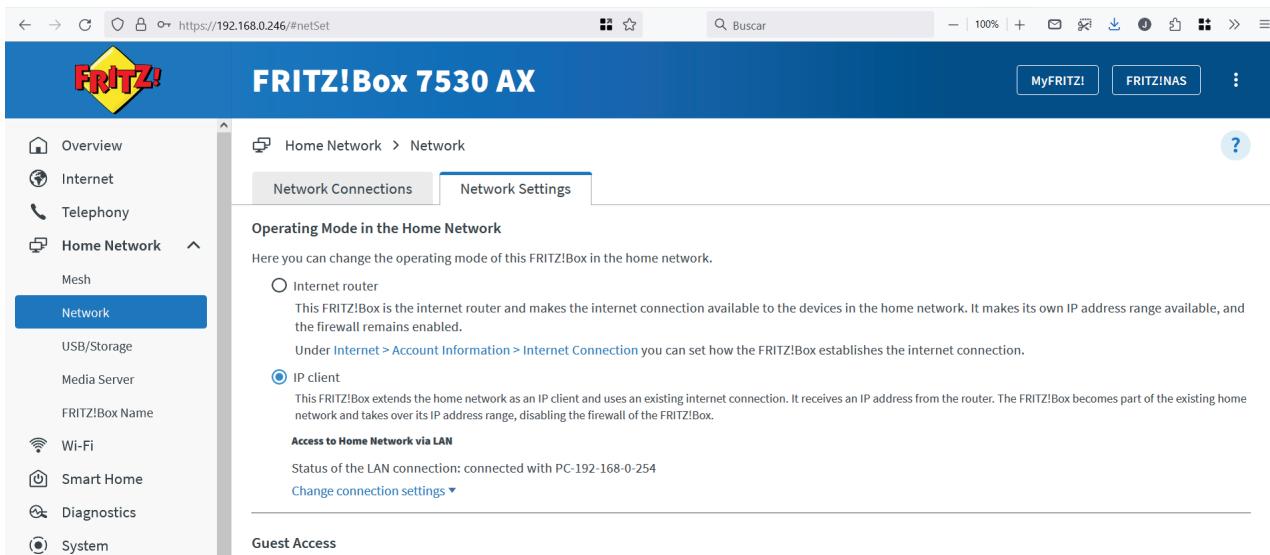
Apply Discard

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).

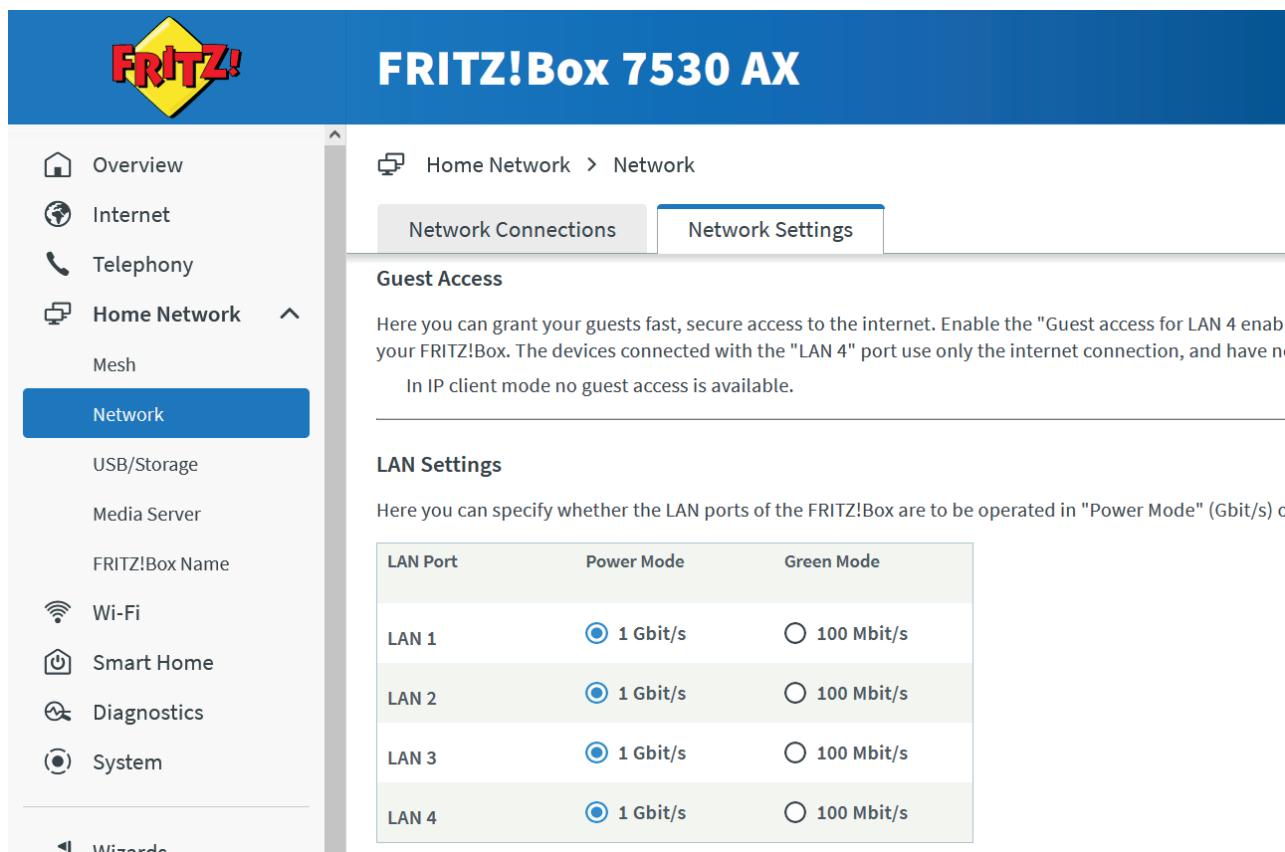
In the case of selecting "**IP Client**":

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 screenshot shows the FritzBox 7530 AX web interface. The left sidebar is titled "Home Network" and includes "Network" (selected), "USB/Storage", "Media Server", "FRITZ!Box Name", "Wi-Fi", "Smart Home", "Diagnostics", and "System". The main content area is titled "FRITZ!Box 7530 AX" and shows "Home Network > Network". It has tabs for "Network Connections" (selected) and "Network Settings". Under "Operating Mode in the Home Network", the "IP Client" mode is selected. It describes how the FRITZ!Box extends the home network as an IP client and uses an existing internet connection. It also mentions "Access to Home Network via LAN" and the status of the LAN connection (connected with PC-192-168-0-254). A "Change connection settings" link is present. The "Guest Access" section is also visible.



The screenshot shows the FritzBox 7530 AX web interface. The left sidebar is titled "Home Network" and includes "Network" (selected), "USB/Storage", "Media Server", "FRITZ!Box Name", "Wi-Fi", "Smart Home", "Diagnostics", and "System". The main content area is titled "FRITZ!Box 7530 AX" and shows "Home Network > Network". It has tabs for "Network Connections" and "Network Settings" (selected). Under "Guest Access", it says "In IP client mode no guest access is available". Under "LAN Settings", it says "Here you can specify whether the LAN ports of the FRITZ!Box are to be operated in "Power Mode" (Gbit/s) or "Green Mode" (100 Mbit/s)". A table shows the configuration for four LAN ports:

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

FRITZ!Box 7530 AX

Internet > Account Information

Connected via

- Connection to a DSL line
- Connecting to a cable modem (cable connection)
- Connection to an external modem or router

Operating Mode

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

Apply Discard

4. SIP IP Intercom Configuration

Create a new telephone device (type IP Intercom)

FRITZ!Box 7530 AX

Telephony > Telephony Devices

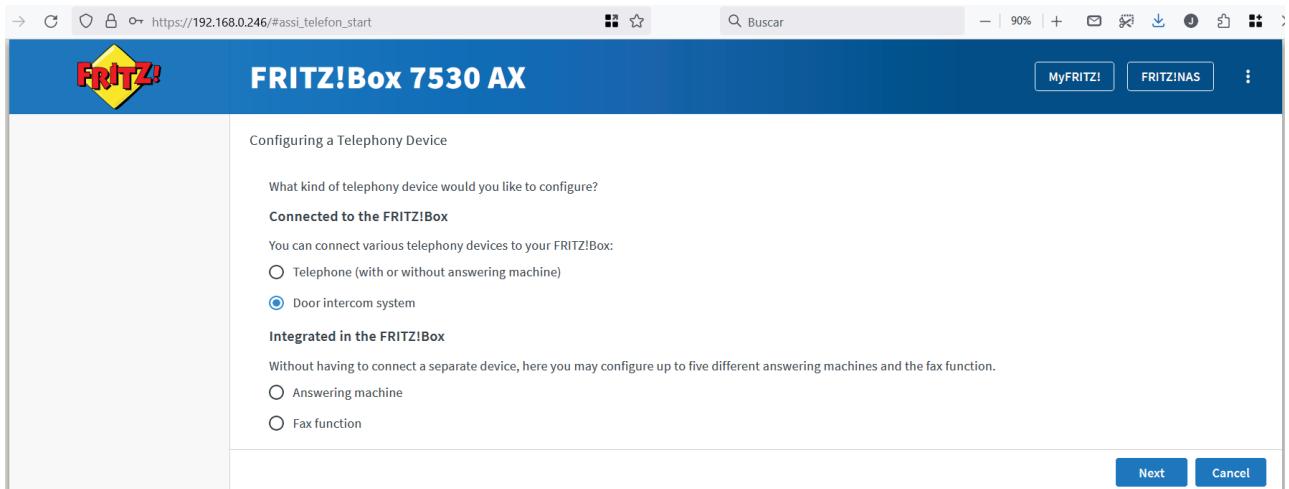
Here you can configure and edit all of the connected and integrated telephony devices like telephones, answering machines, fax machines and door intercom systems.

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

Telephony Devices

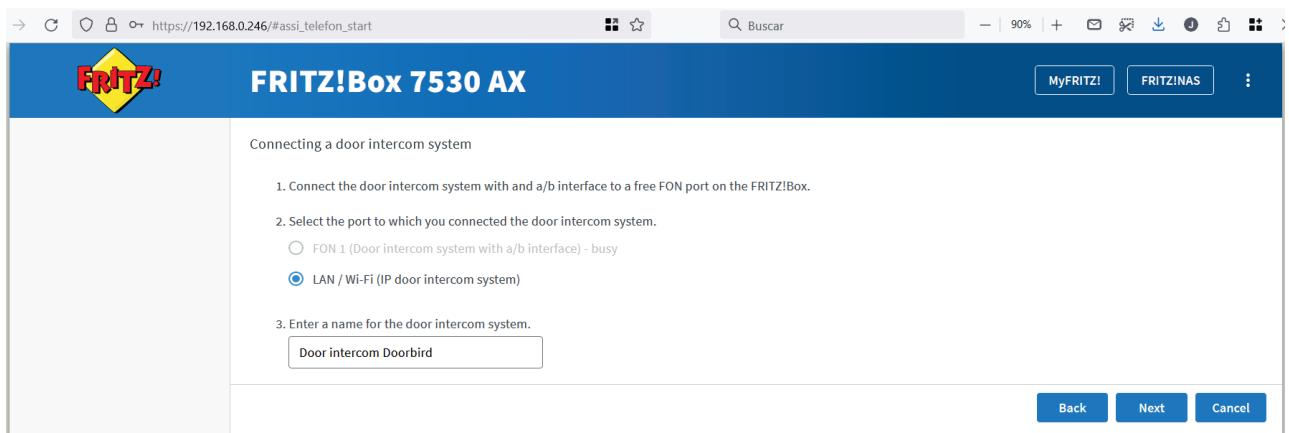
Print List Configure New Device

Select "Door Intercom System"



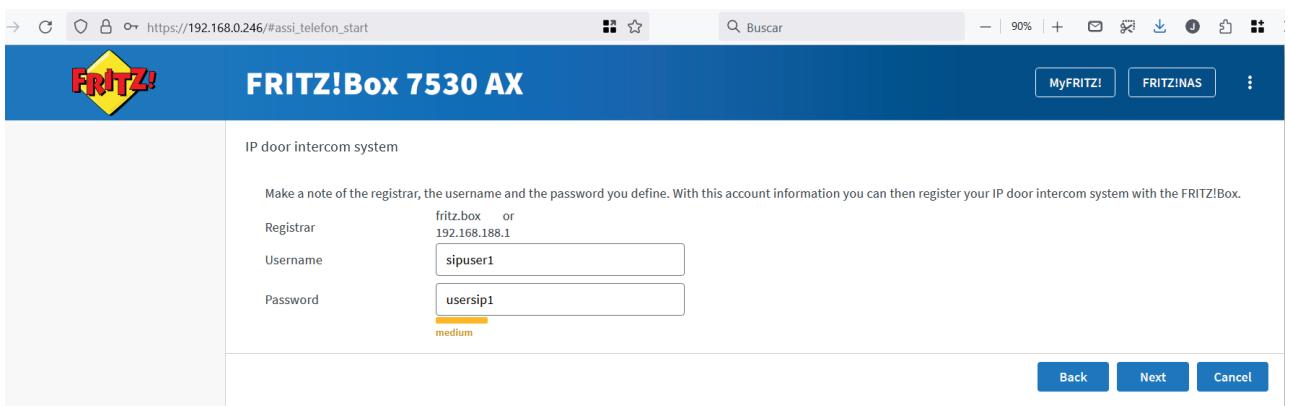
The screenshot shows the configuration interface for a FRITZ!Box 7530 AX. The title bar says "FRITZ!Box 7530 AX". The main content area is titled "Configuring a Telephony Device". It asks "What kind of telephony device would you like to configure?". The option "Connected to the FRITZ!Box" is selected. It says "You can connect various telephony devices to your FRITZ!Box:" and shows two radio buttons: "Telephone (with or without answering machine)" (unchecked) and "Door intercom system" (checked). Below this, it says "Integrated in the FRITZ!Box" and asks "Without having to connect a separate device, here you may configure up to five different answering machines and the fax function.". It shows two radio buttons: "Answering machine" (unchecked) and "Fax function" (unchecked). At the bottom right are "Next" and "Cancel" buttons.

Select the type of communication and name



The screenshot shows the configuration interface for a FRITZ!Box 7530 AX. The title bar says "FRITZ!Box 7530 AX". The main content area is titled "Connecting a door intercom system". It lists steps: 1. Connect the door intercom system with an a/b interface to a free FON port on the FRITZ!Box. 2. Select the port to which you connected the door intercom system. The option "LAN / Wi-Fi (IP door intercom system)" is selected. 3. Enter a name for the door intercom system. The input field contains "Door intercom Doorbird". At the bottom right are "Back", "Next", and "Cancel" buttons.

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



The screenshot shows the configuration interface for a FRITZ!Box 7530 AX. The title bar says "FRITZ!Box 7530 AX". The main content area is titled "IP door intercom system". It says "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." It shows fields for "Registrar" (with "fritz.box" and "192.168.188.1" as options) and "Username" (set to "sipuser1"). It also shows a "Password" field with "usersip1" and a "medium" button below it. At the bottom right are "Back", "Next", and "Cancel" buttons.

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

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".

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](#)

[Back](#) [Apply](#) [Cancel](#)

LAN / Wi-Fi (IP door intercom system)

✓ Procedure Confirmed

Click on "OK" to conclude the procedure.

[OK](#) [Cancel](#)

FRITZ!Box 7530 AX

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	
Door intercom Doorbird	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

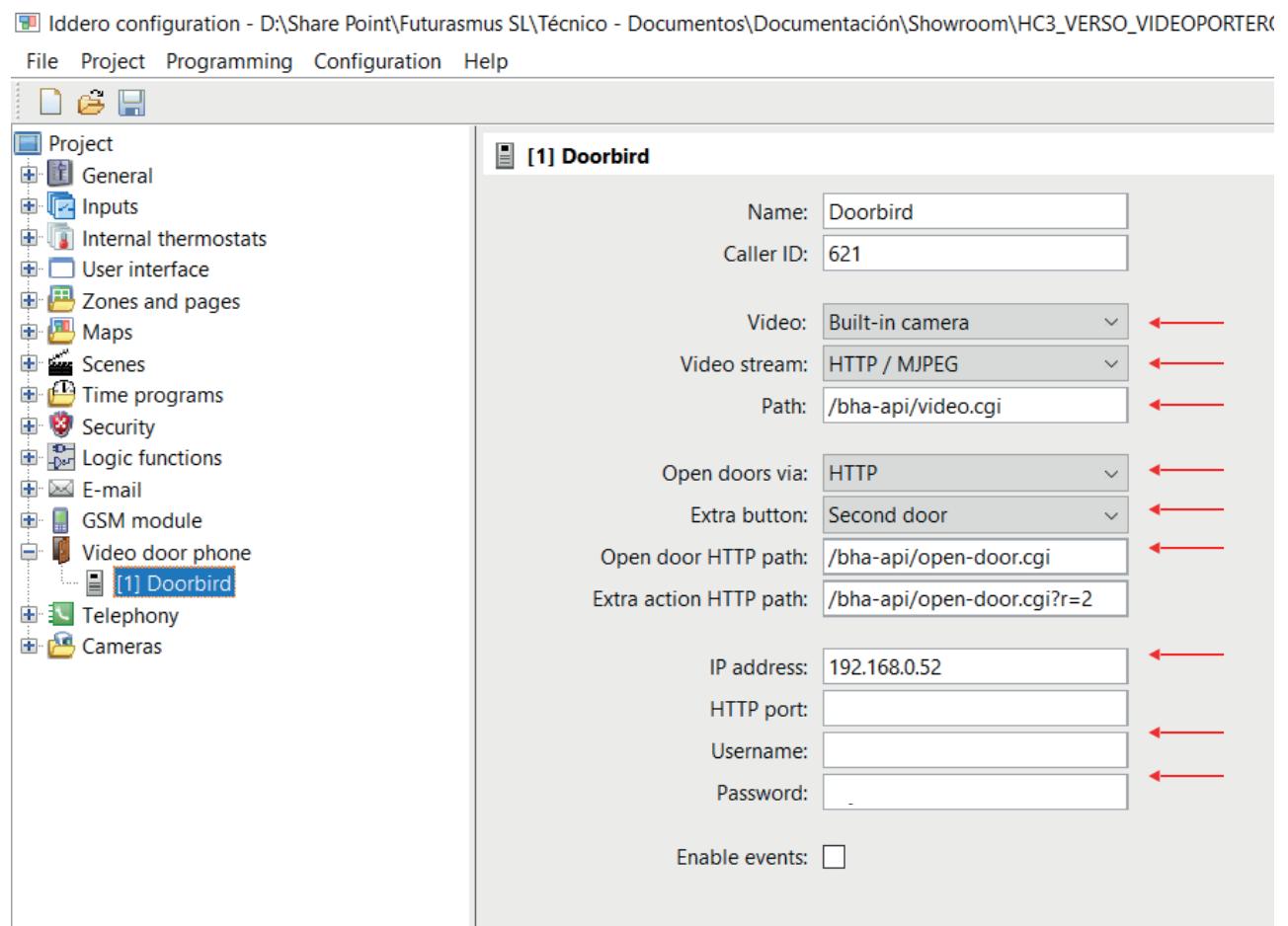
The configuration must be done in 2 places, in the **IdderoConfig configuration tool** and also physically on the screen itself, under **System -> SIP Configuration**.

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).

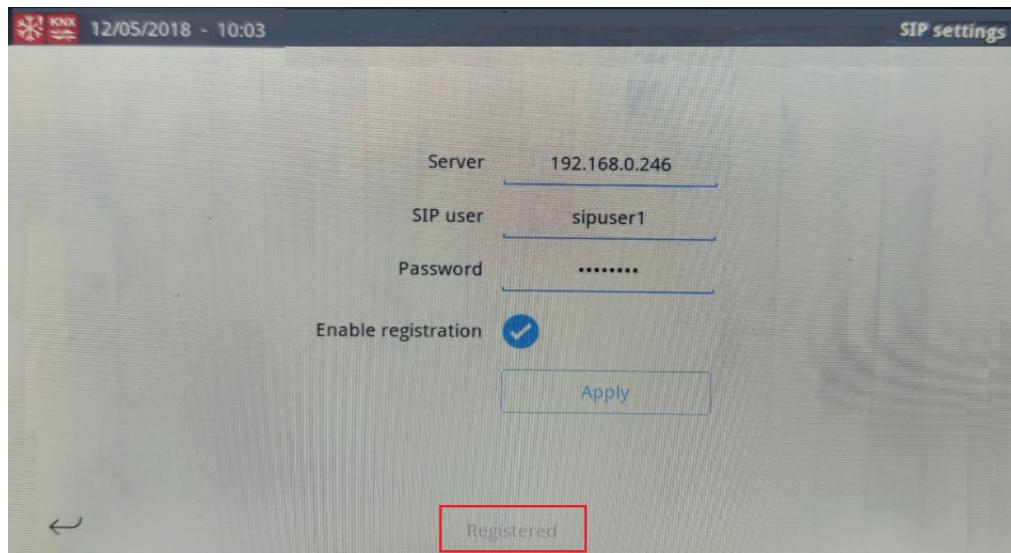
- The "Caller ID" field should not be taken into account for this multi-call setup
- Username/password and IP address data refer to the Doorbird user
- This configuration must be replicated on all displays meant to receive the simultaneous call



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.

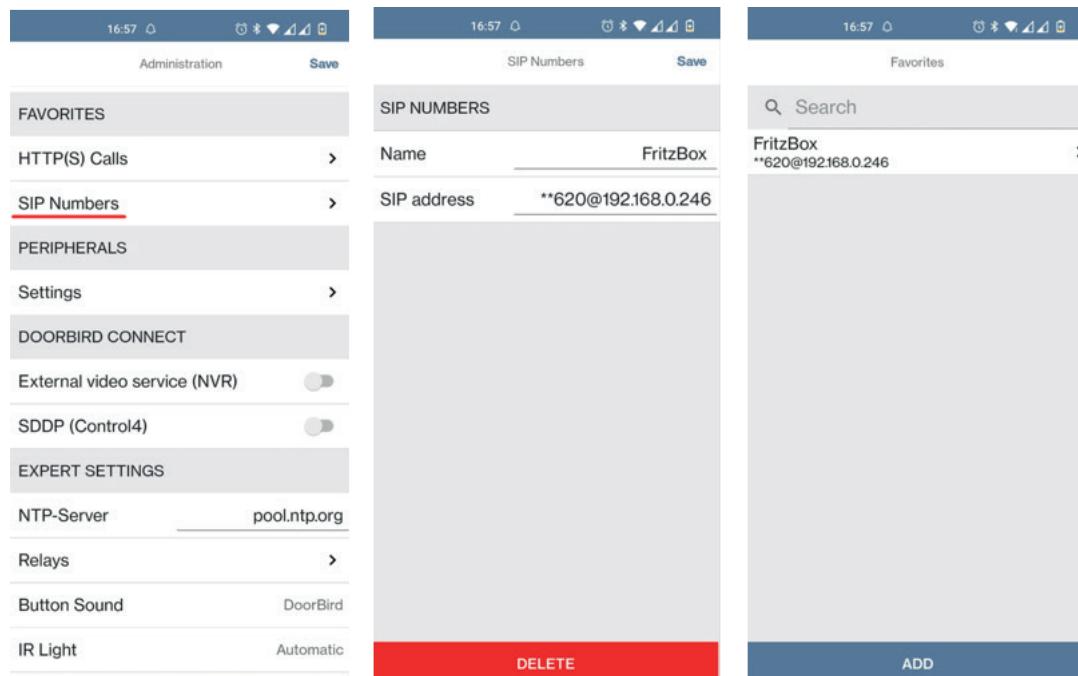


6. Doorbird app settings

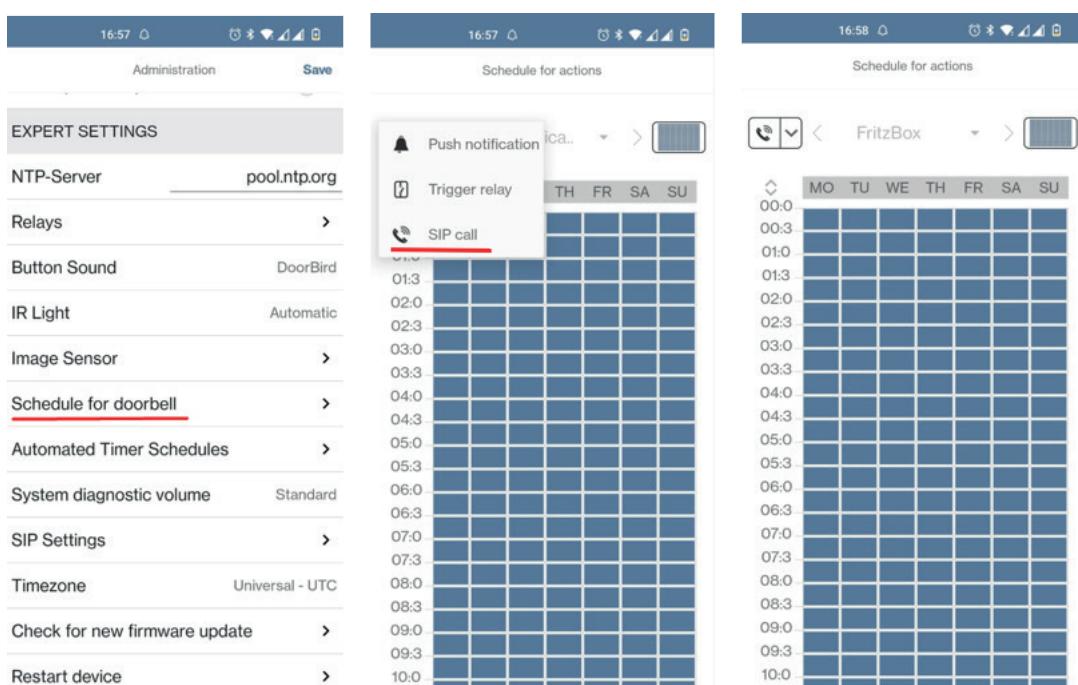
This step must be performed after configuring the FritzBox router for Doorbird to properly register.

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.

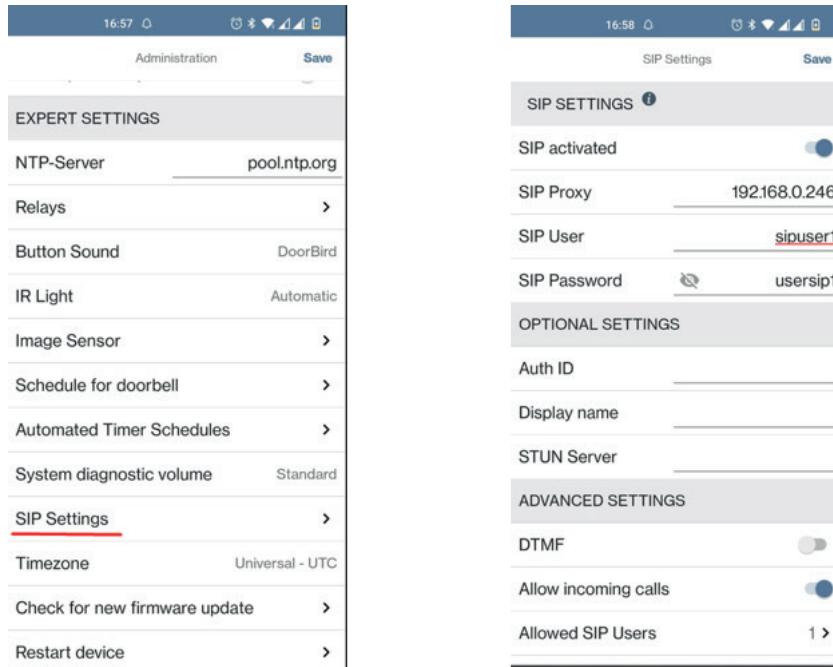


Activate every day of the week for SIP call

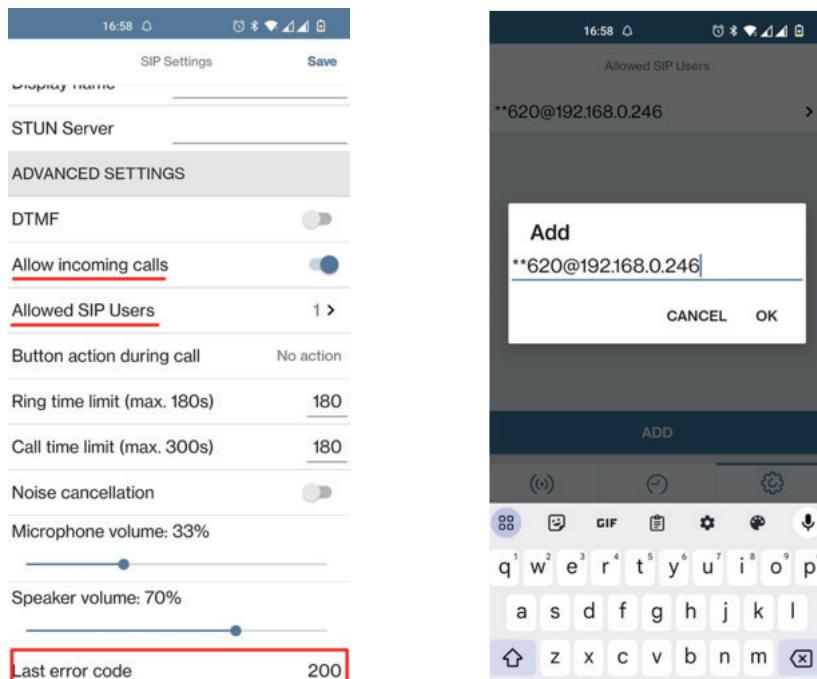


Enable SIP and fill in the following fields in "SIP Settings"

- **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.