

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x Series.
- AVM FRITZ!Box with support for IP door phone, e.g., FRITZ!Box 7340.
- AVM FRITZ!Fon with Colour display e.g., FRITZ!Fon C5, C6 .

ADDITIONAL INFORMATION

The following guide will take you through the steps of setting up a DoorBird App on your mobile device and FRITZ!Box in the local browser (Chrome, Firefox).

We recommend carrying out these instructions only after successful commissioning of the DoorBird IP Video Door Station or the DoorBird IP Upgrade in conjunction with the DoorBird App according to the supplied "QUICKSTART GUIDE".

These instructions require that a FRITZ!Fon is set up first in order to ensure basic functionality. Then it will be shown how to integrate further devices using a call group if this is necessary. The FRITZ!Box allows the use of several FRITZ!Fon products.

Note: Please also make sure that your DoorBird is online, using this service: <https://www.doorbird.com/checkonline>

1. ADDING THE DOORBIRD AS A TELEPHONY DEVICE IN THE FRITZ!Box

1.1 Open the configuration interface of your FRITZ!Box and select Telephony --> Telephony devices. Make a note of the internal call number of your FRITZ!Fon products for later (e.g., **610, **611, **612).

1.2 Select Configure New device (below represents the before & after configuring the door intercom).

The screenshot shows the FRITZ!Box 7430 configuration interface. The left sidebar contains a menu with 'Telephony Devices' selected. The main content area has a heading 'Telephony > Telephony Devices' and a sub-heading 'Here you can configure and edit all of the connected and integrated telephony devices like telephones, answering machines, fax machines and door intercom systems.' Below this is a table with columns: Name, Connect via, Telephone Number Outgoing, Incoming, and Internal. The table is currently empty, with a message: 'No telephony device has been configured. The connected telephones cannot accept any telephone calls. Configure all telephony devices connected to the FRITZ!Box. Click on "Configure New Device".' At the bottom right, there are buttons for 'Print List' and 'Configure New Device'.

The screenshot shows the FRITZ!Box 7430 configuration interface after configuration. The left sidebar is the same. The main content area shows the same heading and sub-heading. The table now contains two rows of data:

Name	Connect via	Telephone Number Outgoing	Incoming	Internal	
Door intercom system	LAN/WLAN	-	-	**620	
Handset 1	DECT	-	all	**610	

At the bottom right, there are buttons for 'Print List' and 'Configure New Device'.

1.3 Select Door intercom system. Click Next.

1.4 Select IP door intercom system with LAN/WIFI. Give a name for the door intercom system. Click Next.

FRITZ!Box 7430

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:

Answering machine

Fax function

FRITZ!Box 7430

Connecting a door intercom system

- Connect the door intercom system with and a/b interface to a free FON port on the FRITZ!Box.
- 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)
- Enter a name for the door intercom system.

1.5. Give a username and password for the door intercom system. Click Next. Please remember username and password for the DoorBird Settings.

FRITZ!Box 7430

FRITZ!NAS MyFRITZ!

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: (too short, 4 characters more)

Password: (good)

1.6. You can select route to doorbells (all telephones/call group). Click Next.

FRITZ!Box 7430

FRITZ!NAS MyFRITZ!

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
<input type="text" value="Ring key 1"/>	<input type="text" value="11"/>	<input type="text" value="All telephones"/>

[Add Doorbell](#)

[Back](#) [Next](#) [Cancel](#)

FRITZ!Box 7430

FRITZ!NAS MyFRITZ!

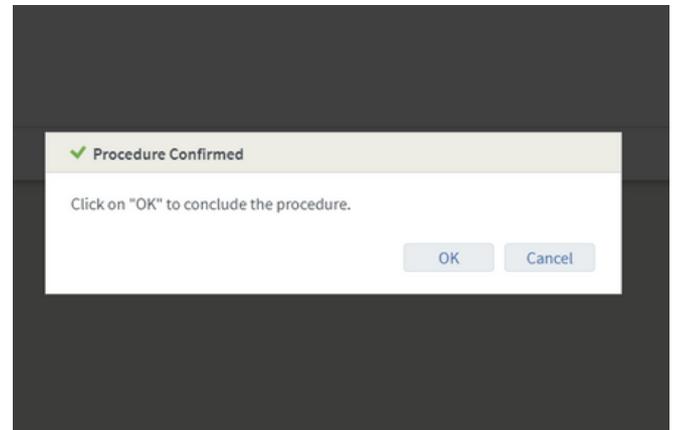
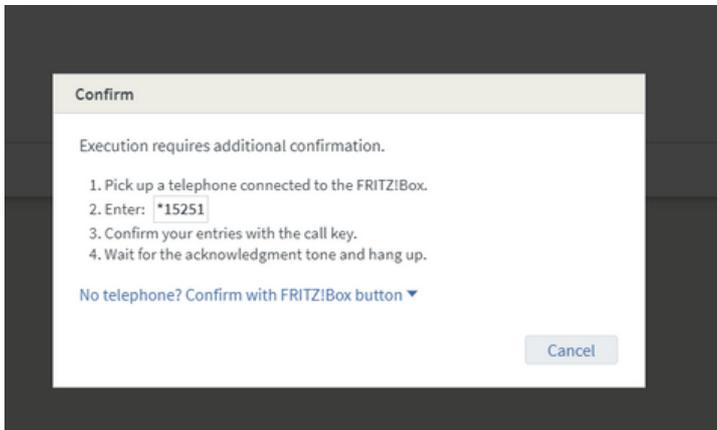
Apply Settings

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 system
connected to	LAN / Wi-Fi (IP door intercom system)

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

1.7. Click apply. You will get notification additional Confirmation code. Dial the code on the FRITZ!Fon and click ok on the Fritz!Box interface OR confirm by clicking the FRITZ!Box button.

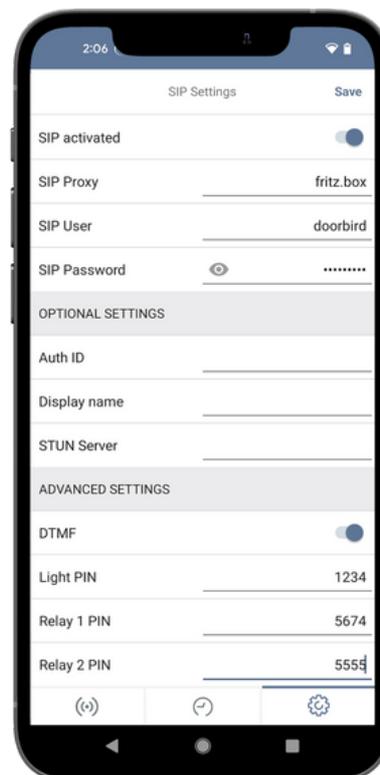


2. CONFIGURING SIP SETTINGS IN THE DOORBIRD APP

For the DoorBird IP Video Door Station to be properly able to communicate with the Fritz!Fon, the DoorBird device's SIP settings must be adjusted accordingly.

2.1 Open the DoorBird App and log into the administration area under "Settings → Administration" using the administrator username and password credentials from the "DIGITAL PASSPORT" document that was shipped with your DoorBird IP Video Door Station.

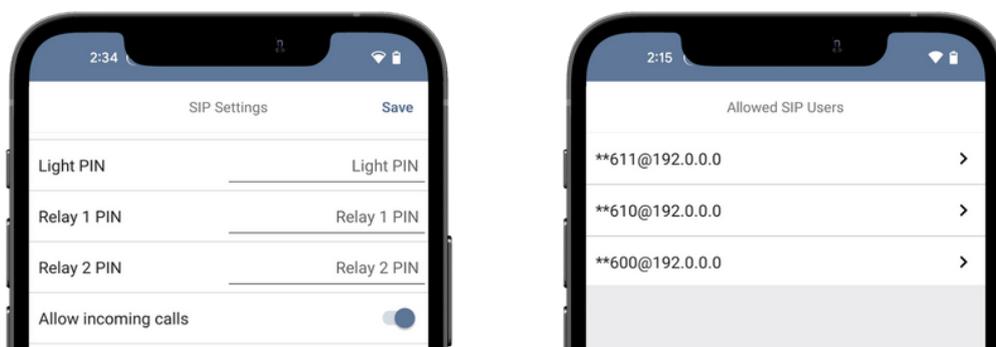
2.2 Choose "SIP Settings" from the menu and activate the "SIP active" switch. For SIP user password enter the credentials used in step 1.5.



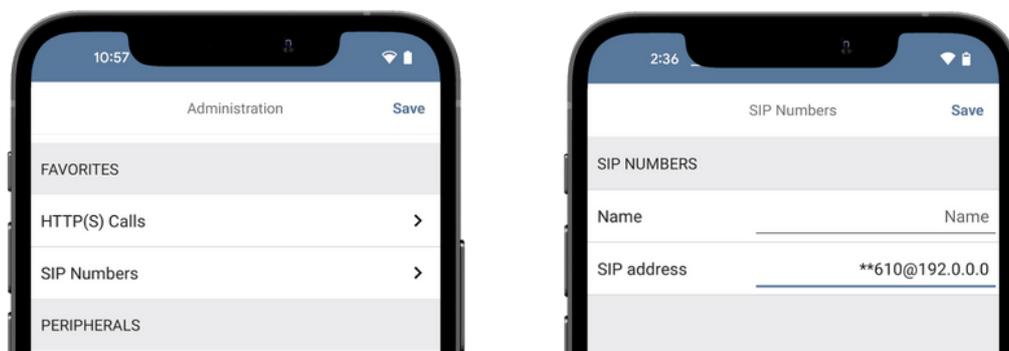
2.3 Activate the "DTMF" by key input on the FRITZ!Fon if you want to trigger the relay contacts (e.g., for door openers) or the IR illumination. Set a PIN code for the corresponding action of your choice. The action is activated during the call by PIN entry with confirmation by the "#" key.

Note: This is a representation of the D21x series app. Deviations (e.g., only relay 1 PIN for the D10x series) are possible. Please select a PIN code that differs from the exemplary representation.

2.4 Allow Incoming call. Add the Number with the FRITZ!Box internal number which can be seen in the device overview of the telephony devices from the FRITZ!Box interface/UI page. Example: **610@192.0.0.0 (use FRITZ!Box IP address). Click save.



2.5 Go back to the main administration area and tap on "SIP Numbers", then tap "Add".



2.6 Now save your settings and wait five minutes.

2.7 Now press the bell button on the device and check whether "SIP settings" show "200" as the last error code after logging into the administration again.

2.8 Proceed to step 3 if this is the case.

Note: If the error code differs from "200", compare the registrar (IP address of the FRITZ!Box), username and password with the configured login data in the FRITZ!Box again. (Step 1.5 and step 2.5). Then restart the device and the FRITZ!Box.

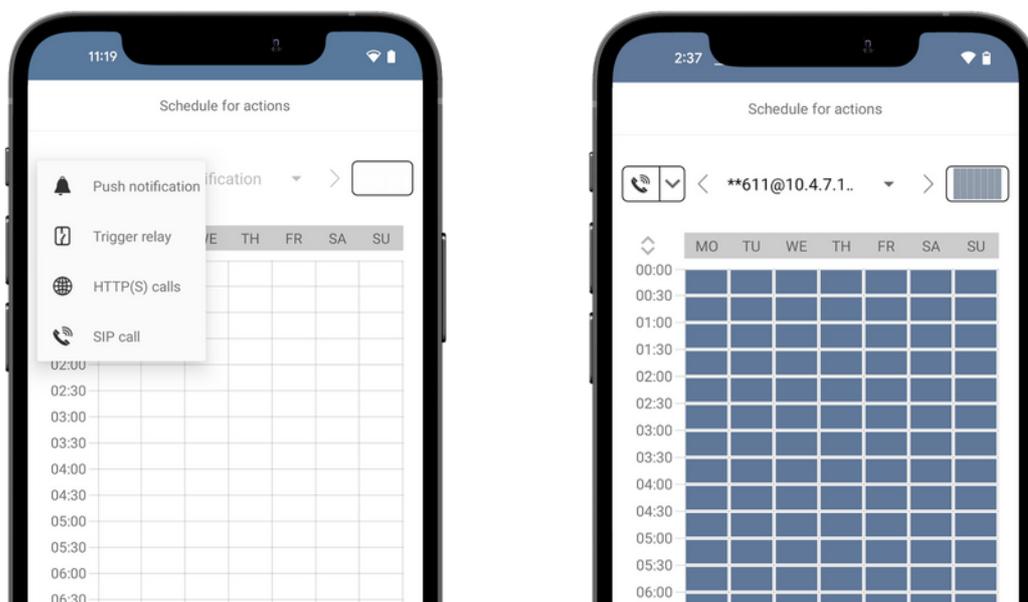
3. SCHEDULE CONFIGURATION

To Forward calls from the DoorBird IP Video Door Station to the FRITZ!Fon, schedule for doorbell needs to be properly set up. Depending on the model of the DoorBird IP Video Door Station, choose one of the following options:

A) For devices with single doorbell (e.g., D10xx) in the administration area under "schedule for doorbell" from the settings menu. Select the appropriate button and tap "Schedule for actions". From this screen, tap the bell symbol in the upper left corner, choose "SIP call" and fill out the schedule per your requirements.

B) For devices equipped with a keypad (e.g., D21xx) in the administration area under "Keypad" in the settings menu. Select the appropriate key combination and go to "Schedule for actions". From this screen, tap the bell symbol in the upper left corner, choose "SIP call" and fill out the schedule per your requirements.

C) For all devices equipped with two doorbells (e.g., D11xx) in the administration area under "schedule for doorbell 1 or 2" in the settings menu. Select the appropriate key combination and go to "Schedule for actions". From this screen, tap the bell symbol in the upper left corner, choose "SIP call" and fill out the schedule per your requirements.



Hint: By tapping the button in the upper right corner it is possible to fill or empty the entire schedule.

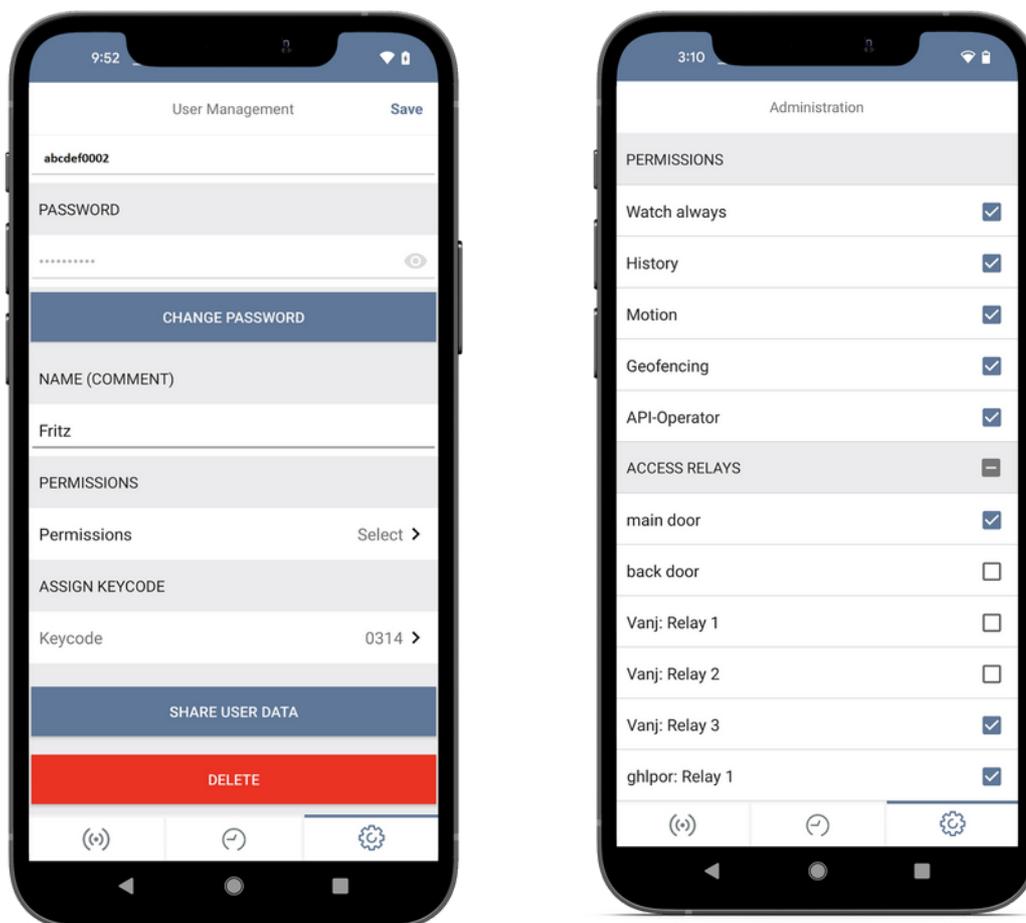
Return to the main administration area and save the settings. Wait for about five minutes for the new settings to take place.

4. CONFIGURING THE LIVE PICTURE DISPLAY ON THE FRITZ!Fon

4.1 Open the DoorBird App and log in again in the menu item "Settings", "Administration" with your access data from the document "DIGITAL PASSPORT".

4.2 Go to User-->Settings--> enable all the permissions for user0001,user0002.

Grade: In the case of a device with several Bell buttons or keypad, you can assign any bell button or keycode. The selection at this point for the transfer of the live image is not relevant.



4.3 Open a new page in the browser (e.g., Mozilla Firefox) and make an entry according to the following syntax: `http://<username>:<password>@<ip-address>/bha-api/image.cgi` (enter app username and password).

Note: You can find the IP address of the DoorBird in this link: <https://www.doorbird.com/checkonline>

Note: If you do not receive a live image but an error message, e.g., "401 - Unauthorized", the procedure in step may not be carried out correctly. A spelling mistake (e.g., upper/lower case) while entering is a common error.

4.4 Open the configuration interface of your FRITZ!Box and select the menu item "Telephony", "Telephony devices" and find the entry of the device. Select the icon to edit the entry for the device.

FRITZ!Box 7430 FRITZ!NAS MyFRITZ!

IP door intercom system on "LAN/WLAN" ?

IP Door Intercom System Authentication Data

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	FRITZ!Fon Ring Tone
Ring key 1	11	All telephones	Standard

[Add Doorbell](#)

Name of the door intercom system:

Outgoing calls via:

Character sequence for door opener:
Enter here the character sequence for the door opener as found in the documentation of the door intercom system. To open the door it is then no longer necessary to enter this sequence; just use the "Open" function key.

Live image:
If the door intercom system is equipped with a camera, enter the web address of the camera here. The camera's web address can be found in the documentation of your camera or of the door intercom system.

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

4.5 Confirm your entry with "OK" and wait five minutes. Now test whether the call is displayed with a picture on your FRITZ!Fon.

Note: If no picture is displayed, check the entry again for spelling errors (e.g. upper/lower case sensitivity). You can use the method from step 4.3 as an additional check. Then restart the DoorBird device and the FRITZ!Box.

5. ESTABLISHMENT OF A CALL GROUP (OPTIONAL WHEN USING MORE THAN ONE FRITZ!Fon)

The prerequisite for this step is the successful connection of the device with a FRITZ!Fon according to this instructions. If this has not yet been done, refer to steps 1 to 4.

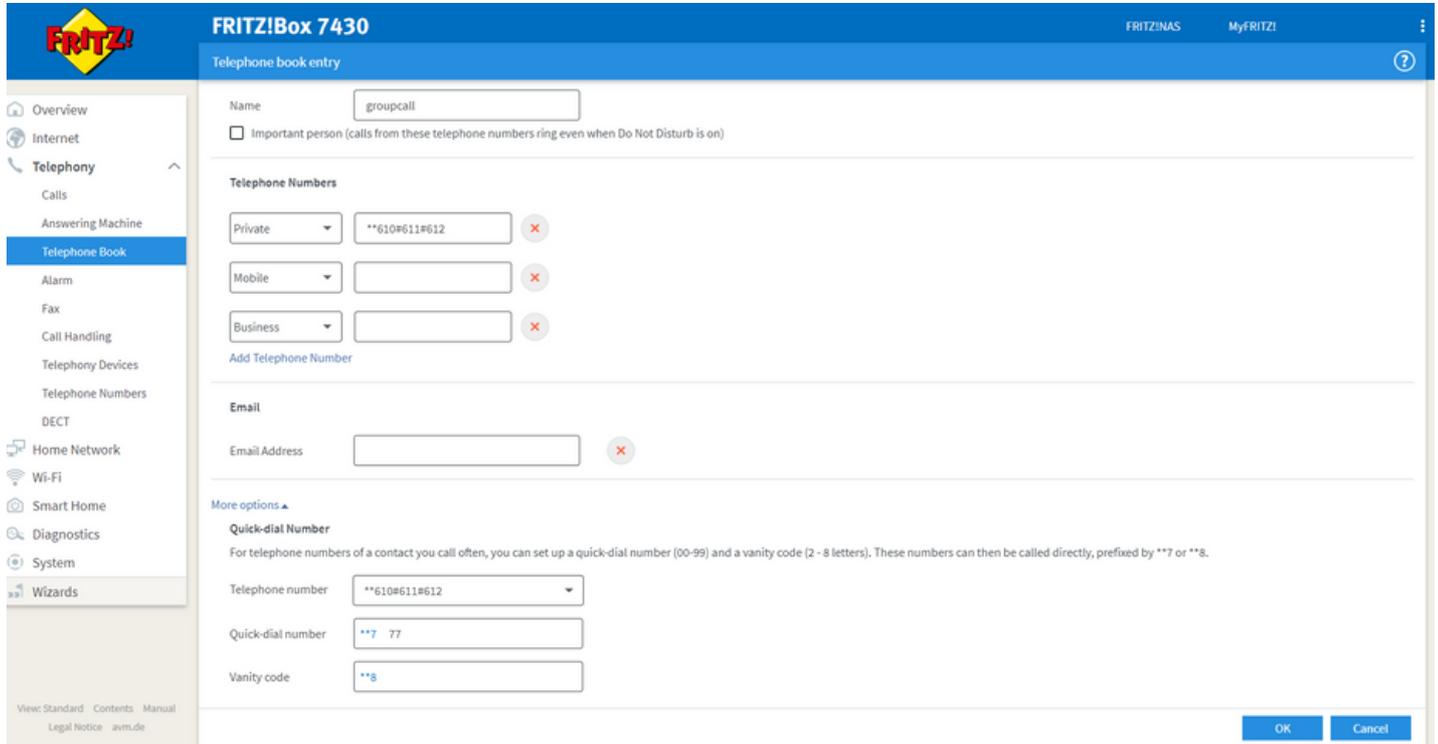
5.1 Open the configuration interface of your FRITZ!Box and select the menu item "Telephony", "Phone book" and select "New entry".

5.2 Select a name and under "Private" enter the telephone numbers in sequence that you noted in step 1.1.
****FRITZ! Fon1#FRITZ! Fon2#FRITZ! Fon3 (** only before the first entry).**

5.3 With the sample data from step 1.1, this looks like this: ****610#611#612 (** only before the first entry).**

5.4 Select the entry you entered for Private under Speed Dial for Call Number again and define a speed dialling number, e.g. ****777.**

5.5 Other entries (e.g., "Business number", "Vanity" or e-mail address) can be left blank and have no function for this application. Then confirm your entry with "OK".



The screenshot shows the FRITZ!Box 7430 web interface. The top navigation bar includes the FRITZ! logo, the device name 'FRITZ!Box 7430', and user information 'FRITZ!NAS' and 'MyFRITZ!'. A sidebar menu on the left lists various settings categories, with 'Telephone Book' selected. The main content area is titled 'Telephone book entry' and contains the following fields:

- Name:** A text input field containing 'groupcall'.
- Important person:** A checkbox labeled 'Important person (calls from these telephone numbers ring even when Do Not Disturb is on)'. It is currently unchecked.
- Telephone Numbers:** A section with three rows, each containing a dropdown menu and a text input field with a red 'X' delete button.
 - Row 1: 'Private' dropdown, input field containing '**610#611#612'.
 - Row 2: 'Mobile' dropdown, empty input field.
 - Row 3: 'Business' dropdown, empty input field.
- Add Telephone Number:** A link to add a new entry.
- Email:** A section with an 'Email Address' text input field and a red 'X' delete button.
- More options:** A section with a 'Quick-dial Number' heading and a descriptive paragraph. Below it are three input fields:
 - 'Telephone number' dropdown menu containing '**610#611#612'.
 - 'Quick-dial number' text input field containing '**7 77'.
 - 'Vanity code' text input field containing '**8'.

At the bottom right of the form are 'OK' and 'Cancel' buttons. The footer of the page contains links for 'View Standard', 'Contents', 'Manual', and 'Legal Notice avm.de'.

5.6 Open the DoorBird App and log in again in the menu item "Settings", "Administration" with your access data from the document "DIGITAL PASSPORT".

5.7 Go to the item "SIP Numbers", where the entry for a FRITZ!Box in the previous step **610@192.0.0.0 change this entry to the number of your speed dial of the call group (example **777@192.0.0.0). This change directly adopts the time schedules that were previously configured.

5.8 Save your settings in the Administration and wait five minutes.

5.9 Now press the bell button on the DoorBird bell. The configured FRITZ!Fon products in this example will ring and display the live picture of the device.

Note: If you have any questions or problems with the products "AVM FRITZ!Box" and "AVM FRITZ!Fon", please contact the manufacturer directly online: <https://avm.de/service>

Note: For questions and problems regarding our devices (DoorBird IP Video Door Station or DoorBird IP Upgrade), please contact our technical support via the contact form online: <https://www.doorbird.com/de/contact>

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. FRITZ! Box 7430(OS is 7.29) AND FRITZ!Fon C5, C6(4.67 version)

ON FRITZ!Fon:

Software Version: 03.04.67 (C6)

Software Version: 02.04.67 (C5)

2. DoorBird IP Video Door Station:

Hardware device series: D21DKH-V2A

Software Version: 000136

Hardware device series: D1102FV

Software Version: 000136

Hardware device series: D101S

Software Version: 000136