

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x/D1812 Series.
- Gira G1.

ADDITIONAL INFORMATION

The following guide will help you set up a DoorBird IP Video Door Station in connection with the Gira device. Please ensure the Gira device receives an IP address and is connected to the same local network as your DoorBird IP Video Door Station.

Please also make sure that your DoorBird is online using this service: <https://www.doorbird.com/checkonline>
The local IP address of your DoorBird is available from the same page.

Note on video functionality: The Gira device does not handle video but instead sets up a direct video connection between the devices used. Please make sure the Gira device you plan to use with your DoorBird IP Video Door Station is set up for video.

- You can perform a SIP call from DoorBird intercom to Gira unit and Vice-versa.
- During the SIP call you can trigger the DoorBird relay to open the door.

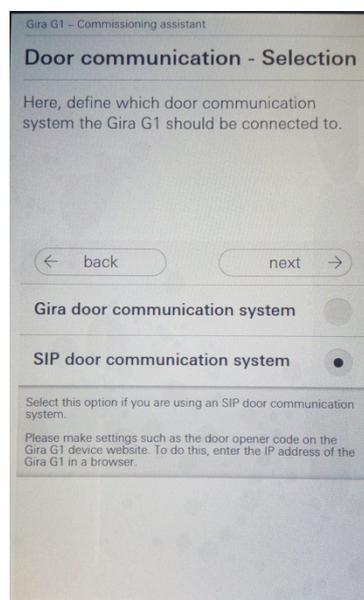
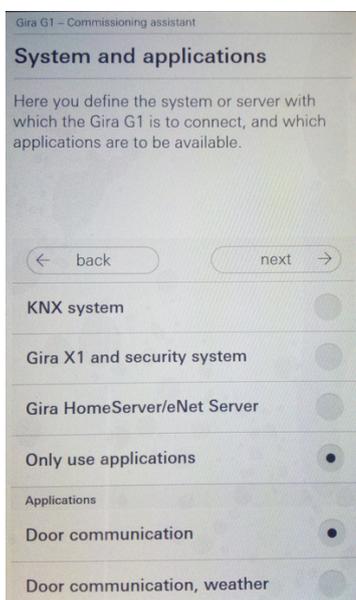
1. SETTING UP THE GIRA DEVICE

1.1 Connect Gira device with the power supply.

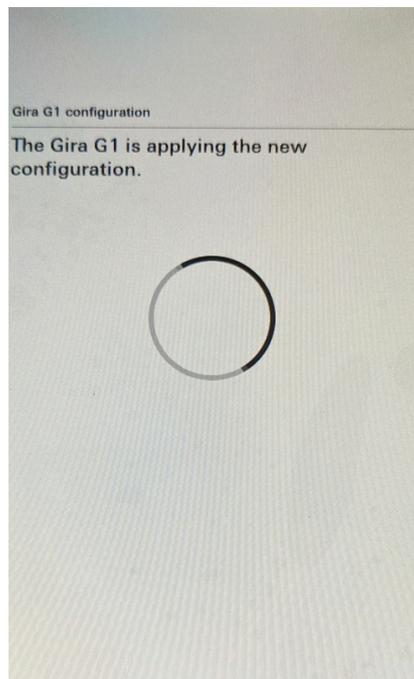
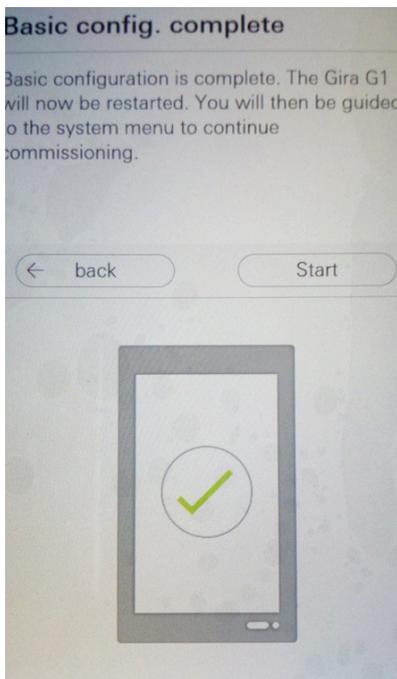
1.2 Enter your details (Language, Accept the license agreement, Time zone). Click on Next.

1.3 Select "Only use applications" --> Door communication. Click on Next.

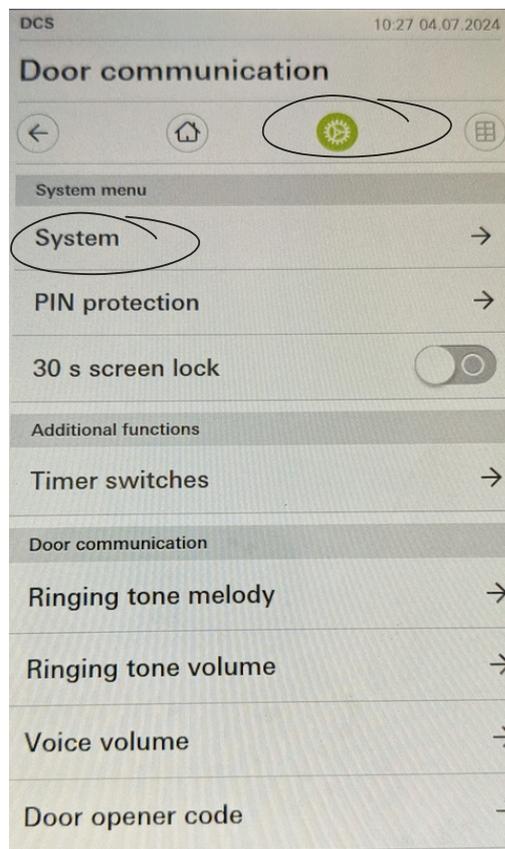
1.4 Select SIP door communication system. Click on Next.



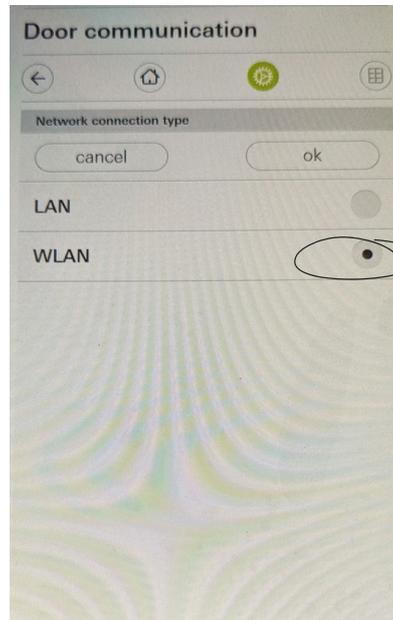
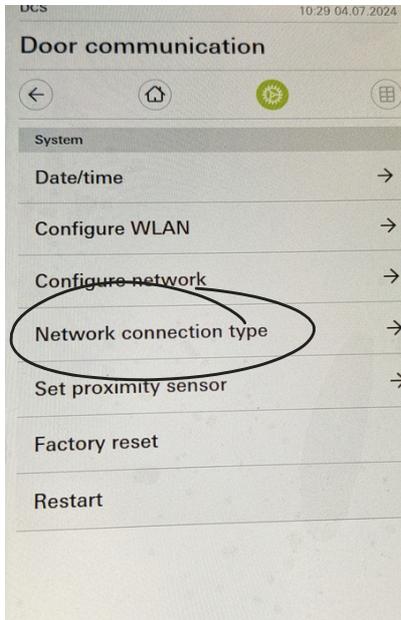
1.5 The basic configuration will be complete. Click on Start to apply the configuration.



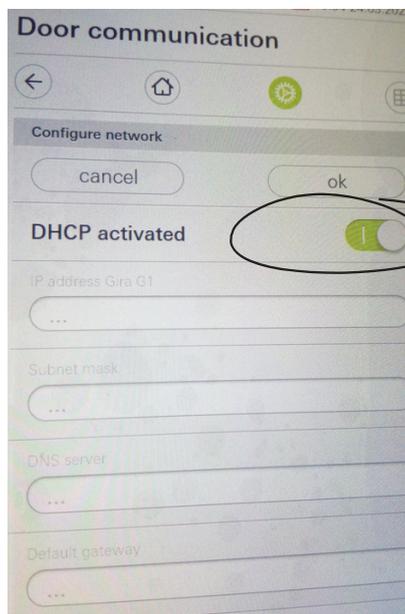
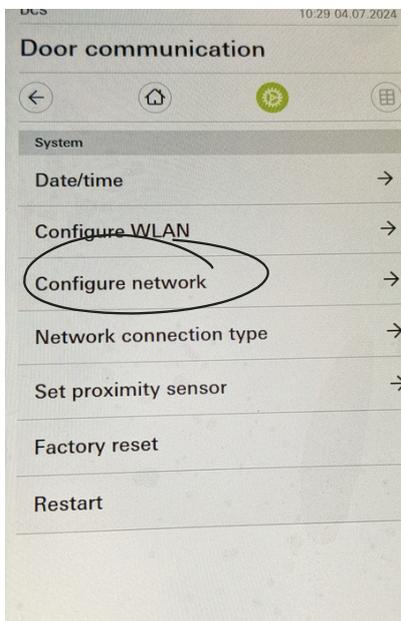
1.6 Click on Settings --> Click on System.



1.7 Click on Network connection type --> Select WLAN. Click on ok.



1.8 Click on Configure network --> Select DHCP activated. Click on ok.



1.9 Configure WLAN --> to connect with WiFi.

1.10 After connecting to the internet. Click on Configure Network, note down the IP address.

Note: Download Gira Project Assistant tool from here <https://partner.gira.de/service/download> for Updating software.

2. SETTING UP THE SIP CONFIGURATION WITH GIRA

2.1 Enter the IP address of the Gira device on the browser.

2.2 Log in to the Gira device UI using the credentials.

GIRA Gira G1

Device Information SIP Door Communication Diagnosis

Login

Please enter the Gira G1 password. If the password has not changed, it can be found on the supplied secure card or the device label on the back of the Gira G1.

[Help](#)

Gira G1 password

[Login](#)

2.3 You can see the details of the Gira device.

GIRA Gira G1

Device Information SIP Door Communication Diagnosis

Device Information

Date / Time
23/03/2023, 2:10:37 pm

Network

DHCP	enabled
IP Address	192.168.178.10
Subnet Mask	255.255.254.0
DNS	192.168.0.0
Gateway	192.168.0.0
Host Name	GIG1LXXIP-000AB320F95A
MAC Address	A08C00E0
NTP	enabled
NTP Server	0.europe.pool.ntp.org

[Restart Device](#)

Gira G1 Device Page

Device Information SIP Door Communication Diagnosis

2.4 Go to SIP Door Communication page.

GIRA Gira G1

Device Information **SIP Door Communication** Diagnosis

2.5 Select Type of SIP calls --> Direct(internal network only).
Display name --> Gira G1.
Tick on "Allow outgoing calls to door stations and cameras". Click on save.

SIP Door Communication

Here you can set up outgoing internal calls and door calls from the and individualize incoming calls by assigning a display name or your own ringer melody. These settings are optional.

Import/export settings

Here you can import previously defined settings from a Gira G1 or export the specified settings for other devices.

Import settings

Export settings

Type of SIP calls

Direct (internal network only) v

Display name

Gira G1

Outgoing calls

Allow outgoing calls to door stations and cameras

Save

Reset

2.6 Click on Add SIP contact --> To add the DoorBird details.



Tip: Incoming calls appear here automatically and can then be edited.

Type	Display Name	Ringtone	SIP Address
No Entries			

Add SIP Contact

2.7 Select Type of the SIP Contact --> Door Station.
SIP address of the station --> sip:192.168.178.5(IP address of the DoorBird).
Enter the Display name for DoorBird.
Enter the DTMF code (If you want to open the door during the call).
Tick on "This contact has a camera". Click on save.

Edit SIP Contact

Type of the SIP Contact

Door Station
 Indoor Station

SIP address of the station

Display name ⓘ

Door opener code (DTMF sequence) ⓘ

Melody for incoming calls

Melody 1 ▾ ▶

This contact has a camera

2.8 After completing Section 3 the Added SIP contact will display green indicating the SIP is configured successfully.

SIP Door Communication

Here you can set up outgoing internal calls and door calls from the and individualize incoming calls by assigning a display name or your own ringer melody. These settings are optional.

Import/export settings

Here you can import previously defined settings from a Gira G1 or export the specified settings for other devices.

Type of SIP calls

Direct (internal network only) ▾

Display name

Gira G1

Outgoing calls

Allow outgoing calls to door stations and cameras

Added SIP Contacts



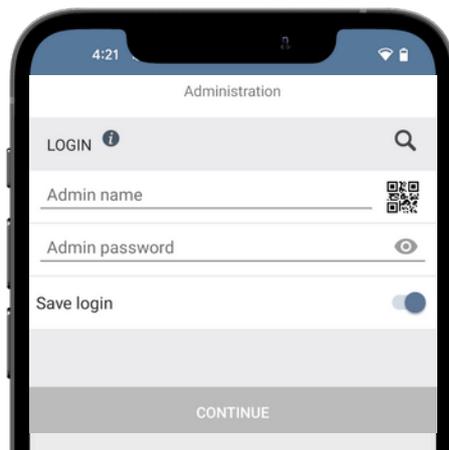
Tip: Incoming calls appear here automatically and can then be edited.

Type	Display Name	Ringtone	SIP Address	
<input checked="" type="radio"/> Door Station	KEYPAD	Melody 1 ▾ ▶	sip:192.168.178.5	<input type="button" value="edit"/> <input type="button" value="delete"/>

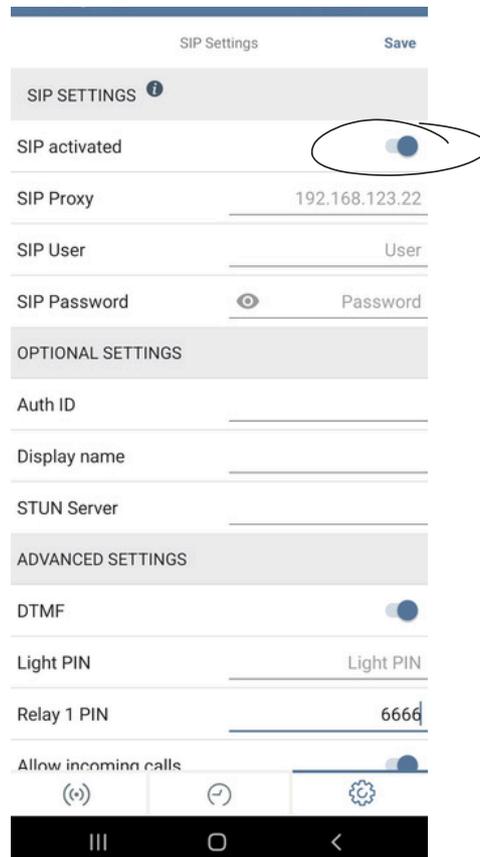
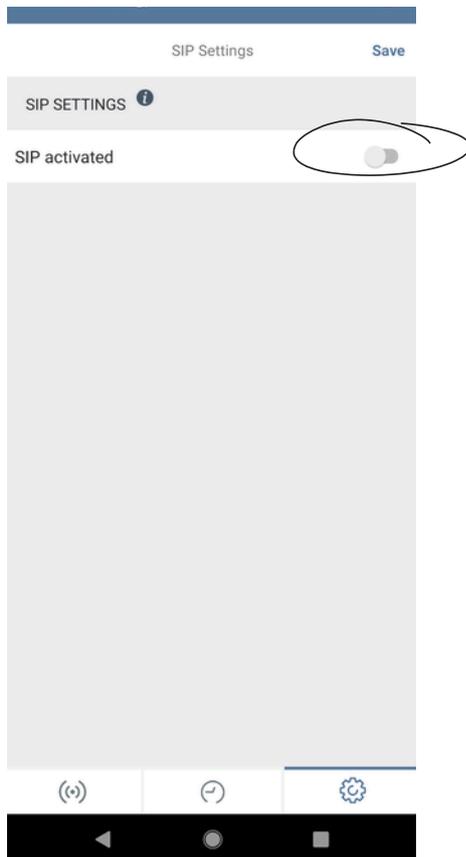
3. SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

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

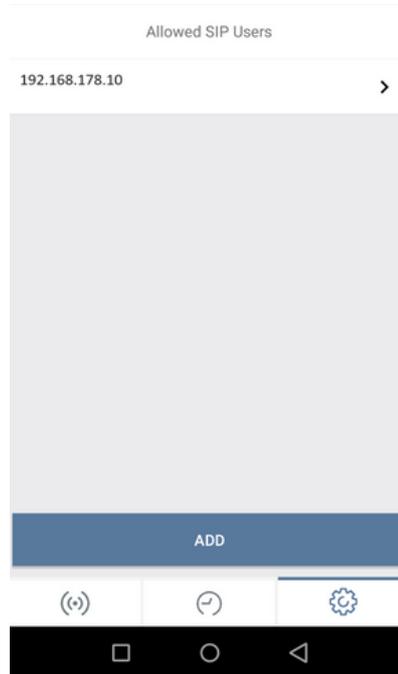
3.1 Open the DoorBird App and log into the administration area under "Settings → Administration" using the administrator username and password credentials from the "DIGITAL PASSPORT" document that was shipped with your DoorBird IP Video Door Station.



3.2 Choose "SIP Settings" from the menu and activate the "SIP active" switch. Activate DTMF and Enter DTMF code if you want to open the Door during the SIP call.

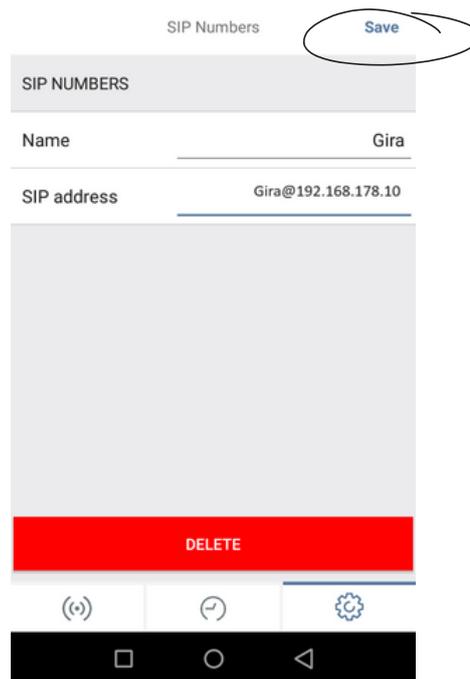
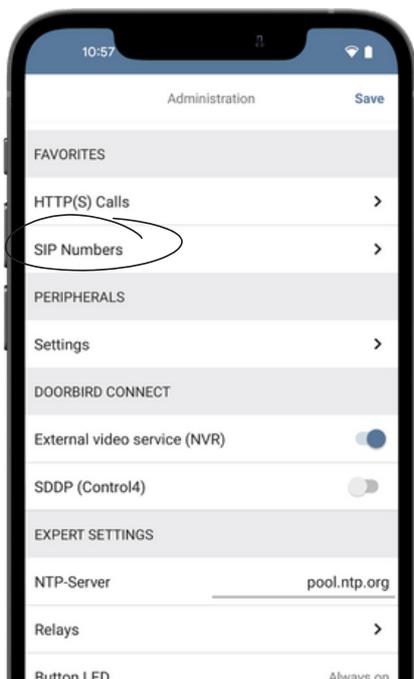


3.3. Allow Incoming calls to receive call from the Gira device. Click on Add --> 192.168.178.10
Enter the IP address of the Gira Device. Save the SIP Settings.



3.4. Since the connection between the Gira device and DoorBird IP Video Door Station will be peer-to-peer, no further settings are required on this screen, and the following fields should be left blank.

3.5 Go back to the main administration area and tap on "SIP Numbers", then tap "Add"
Name --> Gira , SIP Address --> Gira@192.168.178.10 (Enter the IP address of the Gira device).



3.6 Save the Settings.

To forward calls from the DoorBird IP Video Door Station to the integration, a schedule for ring events needs to be set up. Depending on the model of the DoorBird IP Video Door Station, choose one of the following option

A) For all devices without a multi-tenant module (e.g. D1101V, D2101V, D2101KV, etc.), find the corresponding settings in the DoorBird App administration menu EXPERT SETTINGS when selecting "Schedule for doorbell".

In this screen, tap the bell symbol in the upper-left corner, select "SIP call" and fill out the schedule as per your requirements for this event.

B) For all devices with multiple call buttons (e.g., D2102V, D2103V, D2112V, etc.), find the corresponding settings in the DoorBird App administration menu BUTTON CONFIGURATION when selecting "Settings."

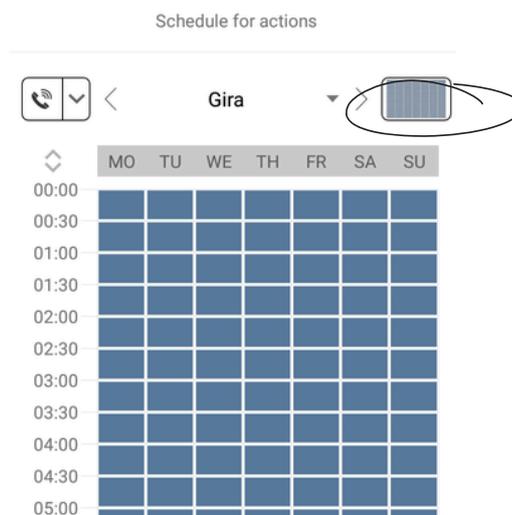
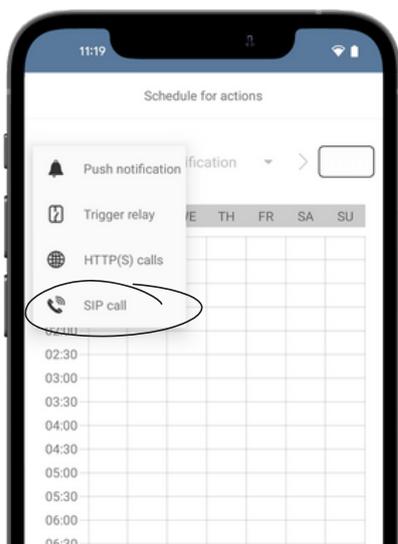
Select the call button to which the event needs to be assigned and go to "Schedule for actions."

On this screen, tap the bell symbol in the upper-left corner, select "SIP call," and fill out the schedule per your requirements for this event.

C) For all devices with a digital display (e.g. D21DKV), find the corresponding settings in the DoorBird App administration menu KEYPAD when selecting "Settings".

Select the keypad combination the event needs to get assigned and go to "Schedule for actions".

In this screen, tap the bell symbol in the upper-left corner, select "SIP call" and fill out the schedule per your requirements for this event.



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

3.7 Return to the main administration area and save the settings.

3.8 After Completing above configurations, check the SIP call.



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>.

Note: For questions and problems regarding Gira devices (for Technical issues), please contact the manufacturer directly via technical hotline support: <https://partner.gira.de/kontakt/deutschland.html#cms-anchor-4062>

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. GIRA

Hardware device series: Gira G1

Gira App version: 5.0.23

2. Door Bird IP Video Door Station:

Hardware device series: D21DKH-V2A

Software Version: 000143

Hardware device series: D1102FV

Software Version: 000143

Hardware device series: D101S

Software Version: 000143

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SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x/D1812 Series.
- Gira G1, Gira F1.

ADDITIONAL INFORMATION

The following guide will help you set up a DoorBird IP Video Door Station in connection with the Gira device.

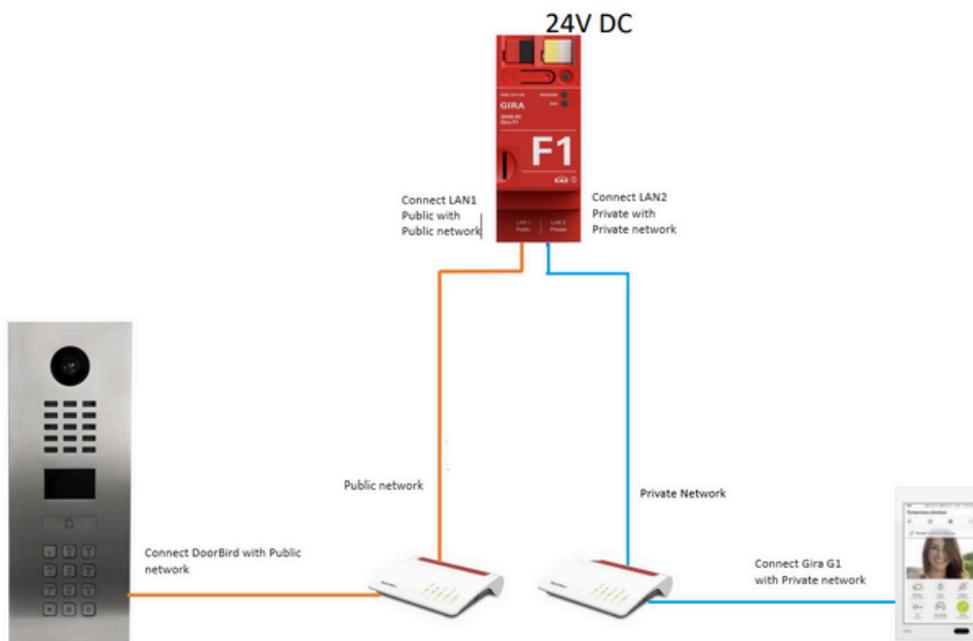
Please also make sure that your DoorBird is online using this service: <https://www.doorbird.com/checkonline>
The local IP address of your DoorBird is available from the same page.

- You can perform a SIP call from DoorBird intercom to Gira unit (via Gira F1 firewall).
- During the SIP call you can trigger the DoorBird relay to open the door.

1. SETTING UP THE GIRA DEVICE

1.1 Connect Gira G1 and Gira F1 device with the power supply.

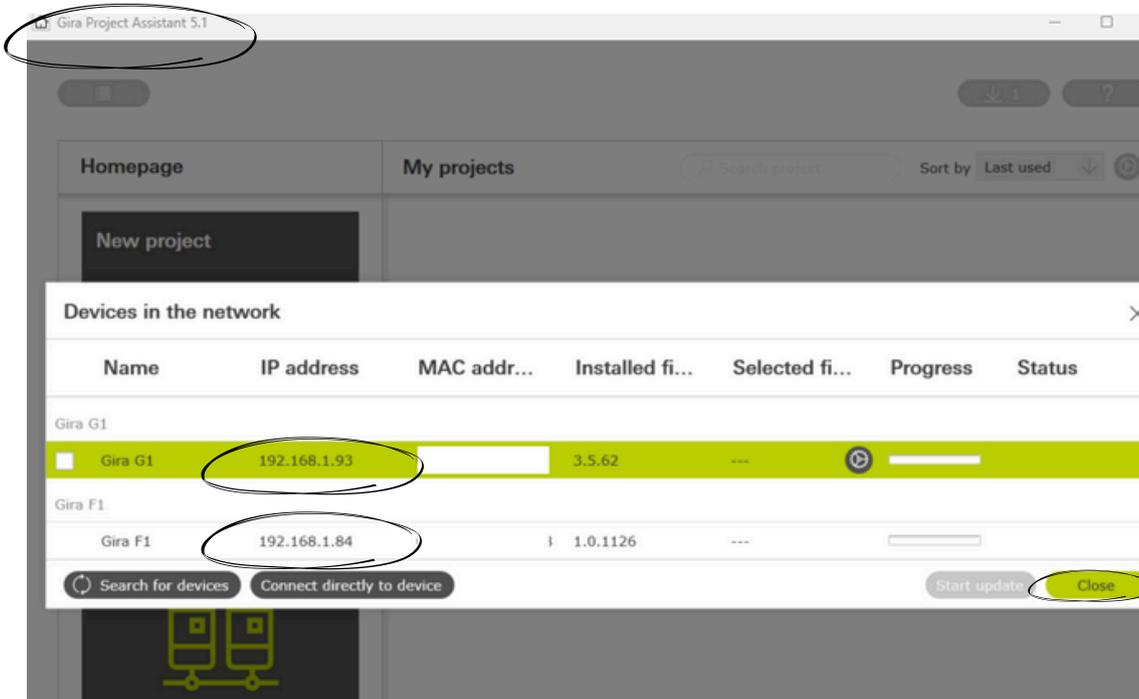
1.2 Please make a setup for Gira G1, Gira F1, and DoorBird device as shown below.



Note: The term "Private and Public network" refers to the use of two distinct networks: one for private connections (Gira G1, Gira F1 LAN2 Private) and another for public access (DoorBird, Gira F1 LAN1 Public).

Note: Download Gira Project Assistant tool from here <https://partner.gira.de/service/download> for Updating software.

1.3 Open Gira Project assistant tool --> To find the IP address of Gira F1 and Gira G1 device.



Note: Download the Gira F1 datasheet Technical Documentation from here <https://katalog.gira.de/en/datenblatt.html?id=801323/>

2. SETTING UP THE SIP CONFIGURATION WITH GIRA F1

2.1 Access the Gira F1 Interface by entering the Gira F1's IP address into your web browser.



2.2 Go to Network Settings --> Check the IP Address for both Private and Public Network.

GIRA Gira F1

Device Information **Network settings** SIP door communication Diagnostics



Network settings

The Gira F1 optimally protects an installation against unauthorized access from outdoors. Already ex works, the Gira F1 separates two network segments from each other – usually a public network area from a private network area.

LAN 1 Public ↔ LAN 2 Private

Settings for the public network

DHCP <input checked="" type="checkbox"/> enabled	IP address 192.168.68.53
Network mask 255.255.252.0	Gateway 192.168.68.1
<input checked="" type="checkbox"/> Prioritize the gateway address and DNS address of this interface.	

LAN 1 Public ↔ LAN 2 Private

Settings for the private network

DHCP <input checked="" type="checkbox"/> enabled	IP address 192.168.1.84
Network mask 255.255.255.0	Gateway 192.168.1.1
<input type="checkbox"/> Prioritize the gateway address and DNS address of this interface.	

Domain Name Service (DNS)

Hostname FIREKX03-000ab3413038	Primary server 139.7.30.125	Secondary server 139.7.30.126
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2.3 Go to SIP door communication --> in the Public network Add credentials for DoorBird.

Credentials for clients from the public network

SIP requests from the public network area are only accepted by the Gira F1 if the subscriber can authorize themselves. You can define the credentials for authorization here and then store them in the door intercom.

Username	Display name	IP address: port
.		

Add credentials

- 2.4 Click on Add credentials, e.g., Enter Username --> DoorBird, Enter Password -->DoorBird@58 Repeat Password -->DoorBird@58, Enter Display name --> D11 ,Enter IP address: port --> DoorBirdIPAddress:5060 Select communication is -->unencrypted(UDP+SIP) Save the Settings.

Credentials [X]

The credentials defined here must be stored in the corresponding client.

Username
DoorBird

Password
●●●●●●●●●●

Repeat password
●●●●●●●●●●

Display name
D11

IP address: port
192.168.158.50:5060

Communication is:
 unencrypted (UDP + SIP)
 encrypted (TLS + SIPS)

Save Cancel

- 2.5 Go to SIP door communication --> in the Private network Add credentials for Gira G1.

LAN 1 Public ↔ LAN 2 Private

Settings for the private network (LAN 2)

Port settings

For communication between the Gira F1 and the clients in the flats, two ports are available by default. By default, the port for unencrypted communication (SIP) is provided for this purpose, since no access to the communication is possible from outside and thus there is no security risk.

Type of communication	Port	Status
unencrypted (UDP + SIP)	5060	✓ open
encrypted (TLS + SIPS)	5061	✗ closed

Edit

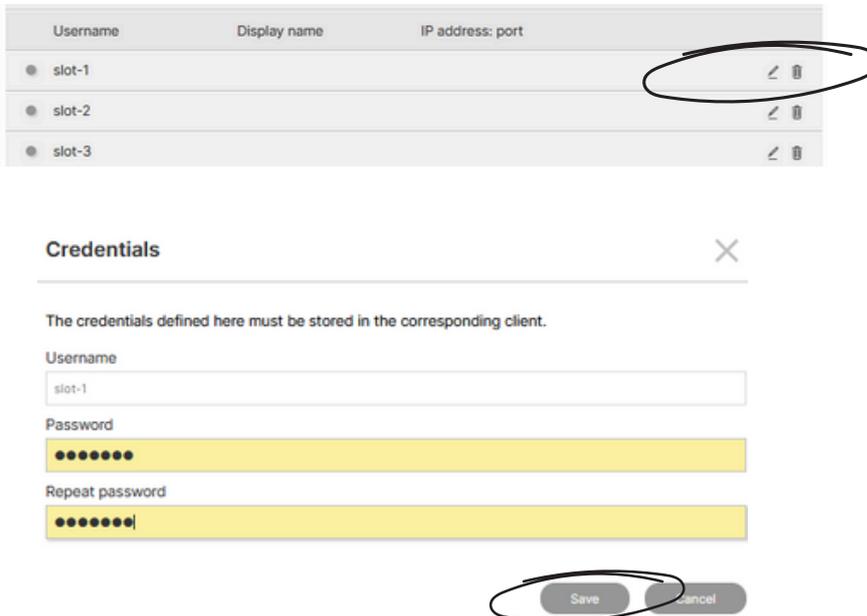
Clients in the private network

SIP requests from the private network area are only accepted by the Gira F1 if the subscriber can authorise themselves. You can define the credentials for authorisation here and then store them in the client.

Username	Display name	IP address: port	
slot-1			✎ 🗑
slot-2			✎ 🗑

2.6 Click on Edit for slot-1.

Enter the Password: e.g., Gira123. Click on Save.



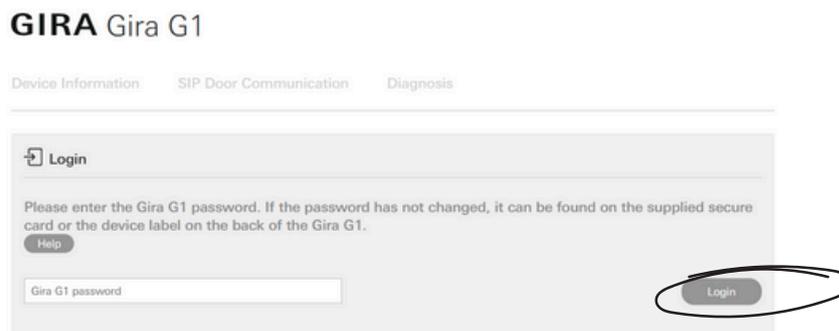
2.7 After Configuring Gira G1(Section 3). The slot-1 will display Green indicating that the Gira G1 is registered.



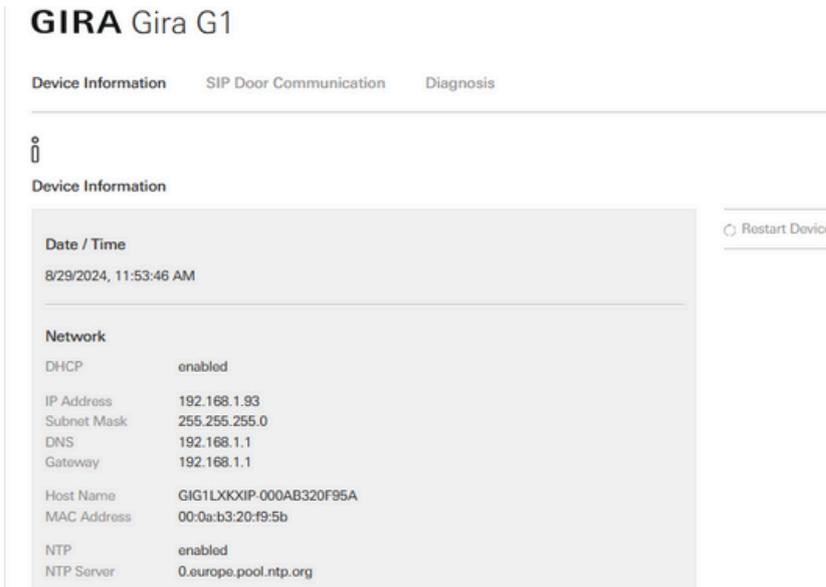
3. SETTING UP THE SIP CONFIGURATION WITH GIRA G1

3.1 Access the Gira G1 Interface by entering the Gira G1's IP address into your web browser.

3.2 Log in to the Gira G1 device UI using the credentials.



3.3 You can see the details of the Gira device.

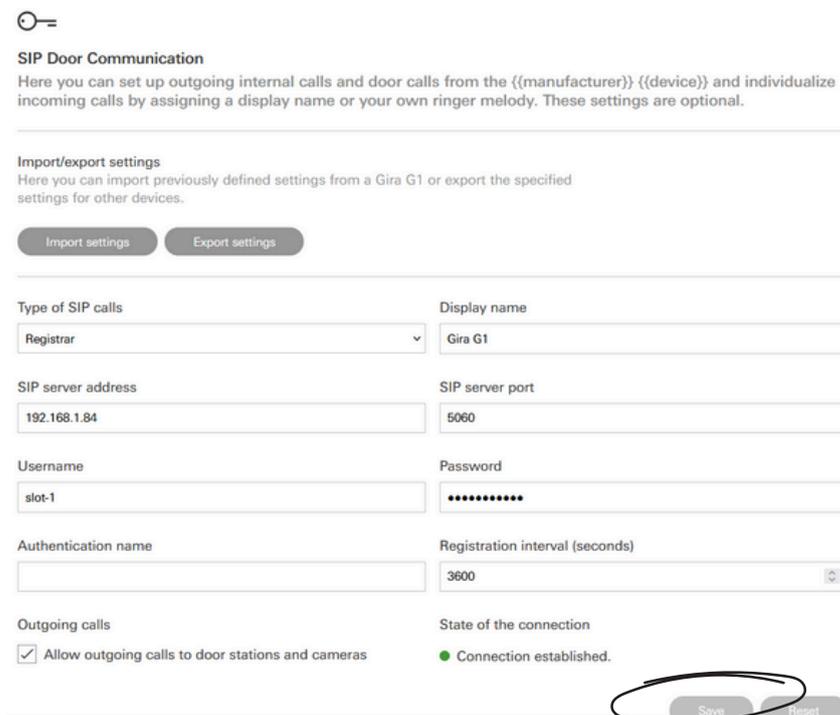


3.4 Select Type of SIP calls --> Registrar.

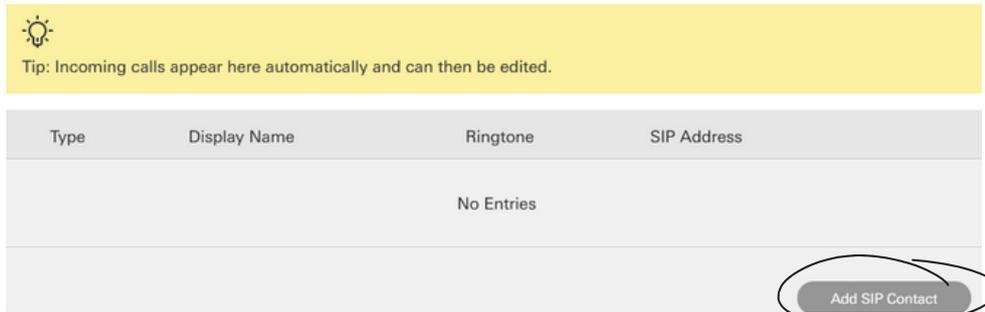
Enter Display name --> Gira G1, Enter SIP server Address -->Gira F1 LAN2 Public IP address.
Enter SIP server port --> 5060, Username -->slot-1, Password --> Gira123 (Password from step 2.6)
Authentication name --> Leave blank, Registration interval (seconds) --> 3600.
Tick on "Allow outgoing calls to door stations and cameras."

Click on save. After successful registration, the state of the connection will be displayed.

State of the Connection --> Established



3.5 Click on Add SIP contact --> To add the DoorBird details.



3.6 Select Type of the SIP Contact --> Door Station.

SIP address of the station --> sip:192.168.178.5(IP address of the DoorBird).

Enter the Display name for DoorBird.

Enter the DTMF code (If you want to open the door during the call).

Tick on "This contact has a camera". Click on save.

Edit SIP Contact

Type of the SIP Contact

Door Station
 Indoor Station

SIP address of the station

sip:192.168.178.5

Display name ⓘ

KEYPAD

Door opener code (DTMF sequence) ⓘ

6666#

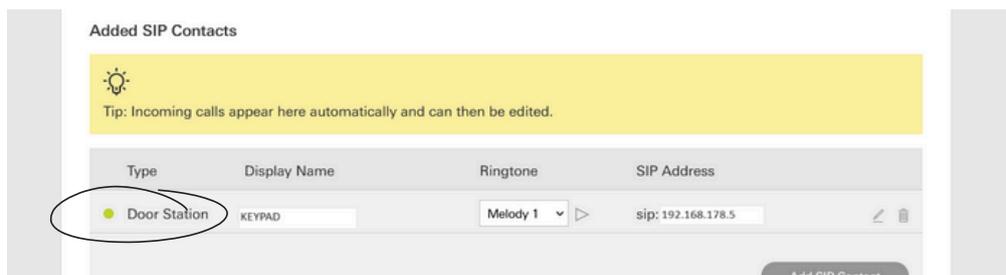
Melody for incoming calls

Melody 1 ▾ ▶

This contact has a camera

Save Cancel

3.7 After completing Section 3 the Added SIP contact will display green indicating the SIP is configured successfully.

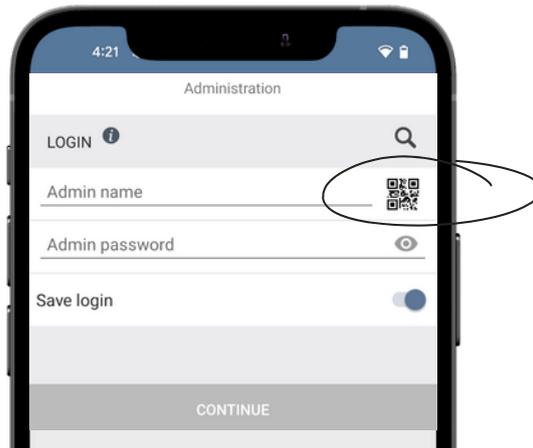


Hint: You can skip steps 3.5 and 3.6 After the initial call from DoorBird to Gira G1, the SIP contact will be added automatically, and you can edit it later if needed.

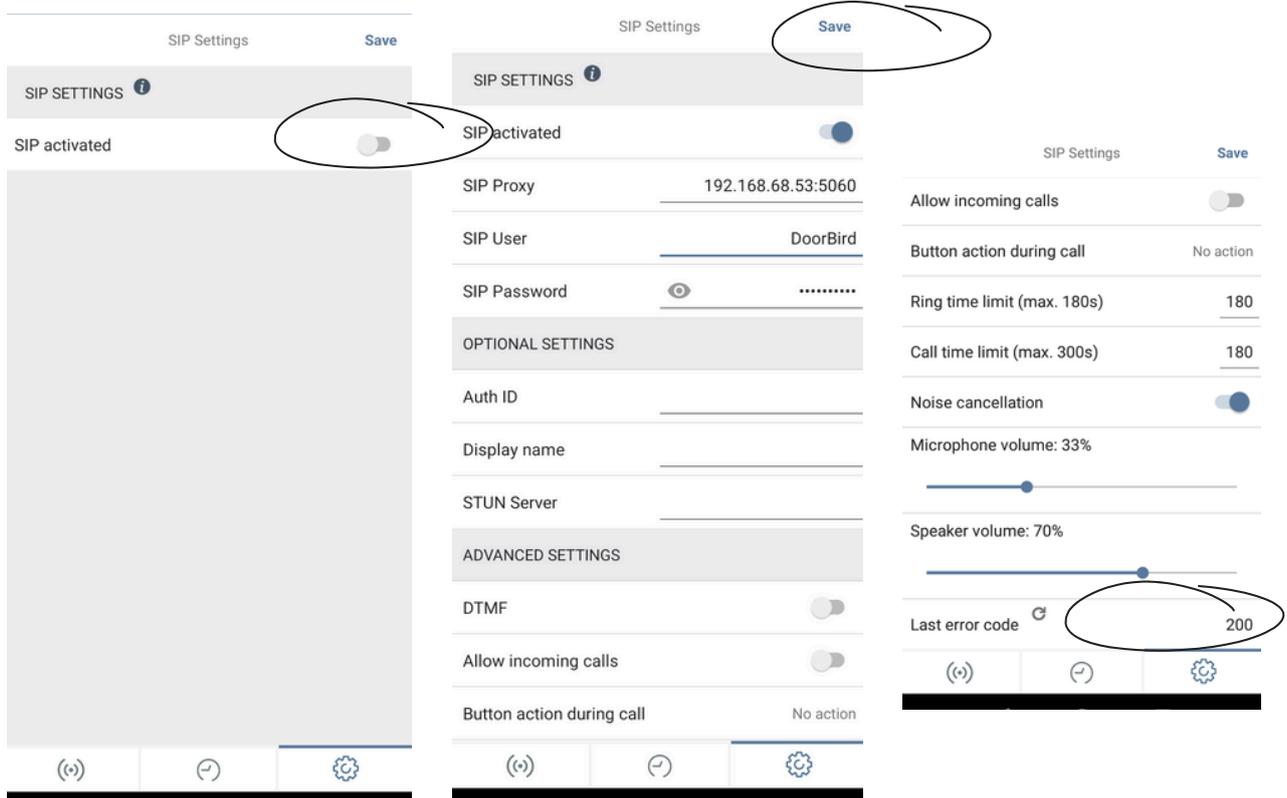
4. SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

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

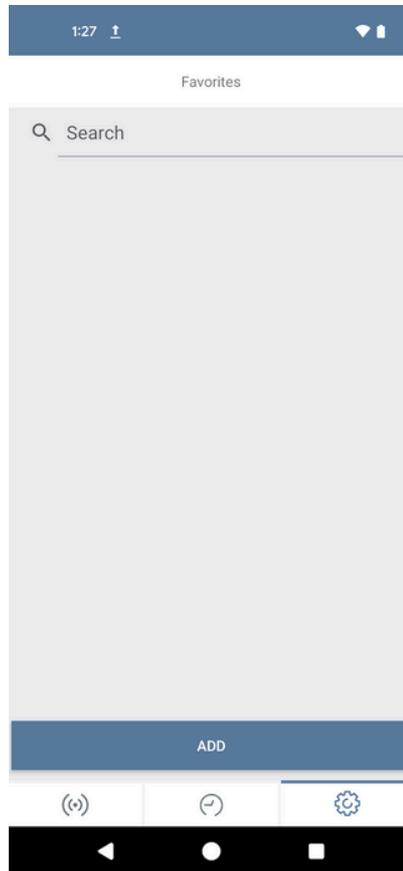
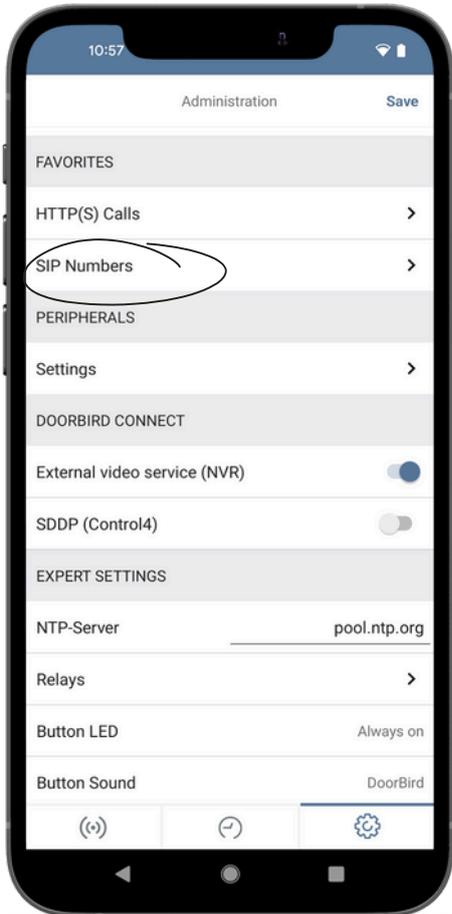
4.1 Open the DoorBird App and log into the administration area under "Settings → Administration" using the administrator username and password credentials from the "DIGITAL PASSPORT" document that was shipped with your DoorBird IP Video Door Station.



4.2 Choose "SIP Settings" from the menu and activate the "SIP active" switch.
Enter SIP Proxy -->GiraFI_PublicIPAddress:5060
SIP User and Password (Enter same as from Step 2.4)
Activate DTMF and Enter the code if you want to open the Door during the SIP call.
Save the SIP Settings;
The Last error code should display 200(If not, please refresh or check the IP address and credentials).



4.3 Go back to the main administration area and tap on "SIP Numbers", then tap "Add"
Name --> giraf1 , SIP Address --> slot-1@192.168.68.53 (Enter the Public IP address of the Gira f1 Firewall device).
Click on Save.



To forward calls from the DoorBird IP Video Door Station to the integration, a schedule for ring events needs to be set up. Depending on the model of the DoorBird IP Video Door Station, choose one of the following options:

A) For all devices with a single call button (e.g. D1101V, D2101V, D2101KV, etc.), find the corresponding settings in the DoorBird App administration menu EXPERT SETTINGS when selecting "Schedule for doorbell".

In this screen, tap the bell symbol in the upper-left corner, select "SIP call" and fill out the schedule as per your requirements for this event.

B) For all devices with multiple call buttons (e.g., D2102V, D2103V, D2112V, etc.), find the corresponding settings in the DoorBird App administration menu BUTTON CONFIGURATION when selecting "Settings."

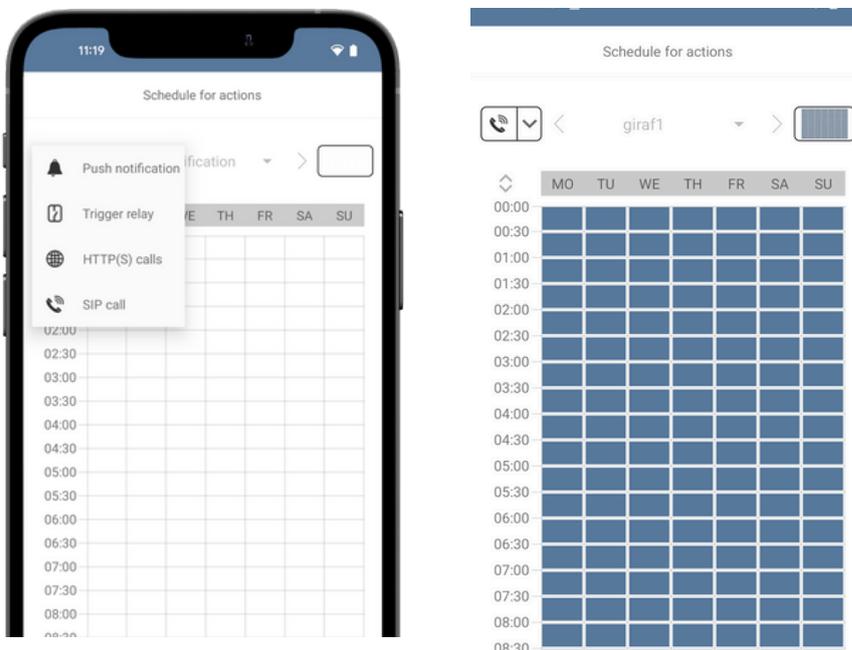
Select the call button to which the event needs to be assigned and go to "Schedule for actions."

On this screen, tap the bell symbol in the upper-left corner, select "SIP call," and fill out the schedule per your requirements for this event.

C) For all devices with a digital display (e.g. D21DKV), find the corresponding settings in the DoorBird App administration menu KEYPAD when selecting "Settings".

Select the keypad combination the event needs to get assigned and go to "Schedule for actions".

In this screen, tap the bell symbol in the upper-left corner, select "SIP call" and fill out the schedule per your requirements for this event.



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

4.4 Return to the main administration area and save the settings.

4.5 After Completing above configurations, check the SIP call.



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>.

Note: For questions and problems regarding Gira devices (for Technical issues), please contact the manufacturer directly via technical hotline support: <https://partner.gira.de/kontakt/deutschland.html#cms-anchor-4062>

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. GIRA G1

Gira App version: 5.0.23

Firmware version: 3.5.62

2. GIRA F1

Firmware version: 1.0.1126

2. Door Bird IP Video Door Station:

Hardware device series: D21DKH-V2A

Software Version: 000145

Hardware device series: D1102FV

Software Version: 000144

Hardware device series: D101S

Software Version: 000145