

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D20x/D21x-Series or DoorBird IP Upgrade D301A
- 3CX Phone System

ADDITIONAL INFORMATION

The following guide will take you through the steps of setting up a DoorBird IP Video Door Station in connection with a 3CX Phone System.

Please make sure that the 3CX Phone System receives an IP address and is connected to the same local network your DoorBird IP Video Door Station is connected to. 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: 3CX does not itself handle video, but instead sets up a direct video connection between the devices used. Please make sure the IP Telephone you plan to use with your DoorBird IP Video Door Station is set up for video and uses the H264 video codec, in order for video to be transmitted from the DoorBird IP Video Door Station to your IP Telephone.

FIRMWARE INFORMATION

This manual was tested using the following firmware versions:

DoorBird IP Video Door Station: 000122.

3CX Phone System: 16.0.4.493

1. SETTING UP THE 3CX PHONE SYSTEM

1. Log into the Management Console of your 3CX Phone System using your administrator credentials.
2. From the menu on the left, select “**Extensions**”.
3. Click on “+ **Add**” to add a SIP extension.
4. Enter a numeric ID for the DoorBird IP Video Door Station into the “**Extension**” field.
5. For “**First Name**” and “**Last Name**”, as well as “**Outbound Caller ID**”, enter descriptive names of your choice for the DoorBird IP Video Door Station, e.g. “**Door Bird**” or “**Front Door**”.

6. In the **“Authentication”** section, either take note of the automatically generated authentication details, or devise your own. These will be required in the following steps to authenticate your DoorBird IP Video Door Station with the 3CX Phone System.

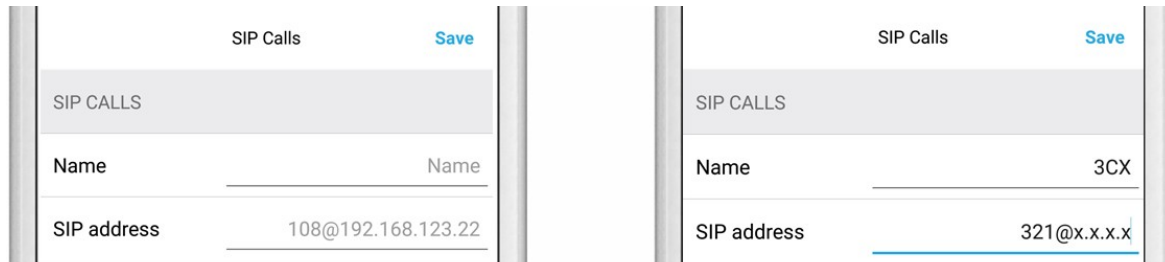
2. SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

For the DoorBird IP Video Door Station to be properly able to communicate with the 3CX Phone System, the DoorBird device’s SIP-settings must be adjusted accordingly.

1. Open the DoorBird App and log into the administration area under **“Settings → Administration”** using the administrator user and password credentials from the **“DIGITAL PASSPORT”** document that was shipped with your DoorBird IP Video Door Station.
2. Choose **“SIP Settings”** from the menu and activate the **“SIP active”** switch.

3. For **“SIP Proxy”**, enter the IP address of your 3CX Phone System.

- For “SIP User” and “SIP Password”, enter the corresponding authentication details previously devised in the setup of the 3CX Phone System.
- Go back to the main administration area and tap on “SIP Calls”, then tap “Add”.



- In the subsequent screen, enter an arbitrary name in the “Name” field, e.g. “3CX”. For the SIP address, enter the IP address of your 3CX Phone System, prefixed with the extension of the phone or ring group you want your DoorBird IP Video Door System to call upon ringing and an “@”-symbol, e.g. 321@x.x.x.x.

If you want to make use of the DTMF-functionality of the DoorBird IP Video Door Station in order to control the built-in light and door relay of the DoorBird IP Video Door Station using your 3CX Phone System, do the following:

- In the main administration area, choose “SIP Settings”.
- Toggle the “DTMF” switch on, and set the “Light PIN” and “Relay 1 PIN” to arbitrary PIN numbers of your preference.

Make sure to terminate these PIN numbers with a “#” symbol when entering them on your 3CX Phone System.

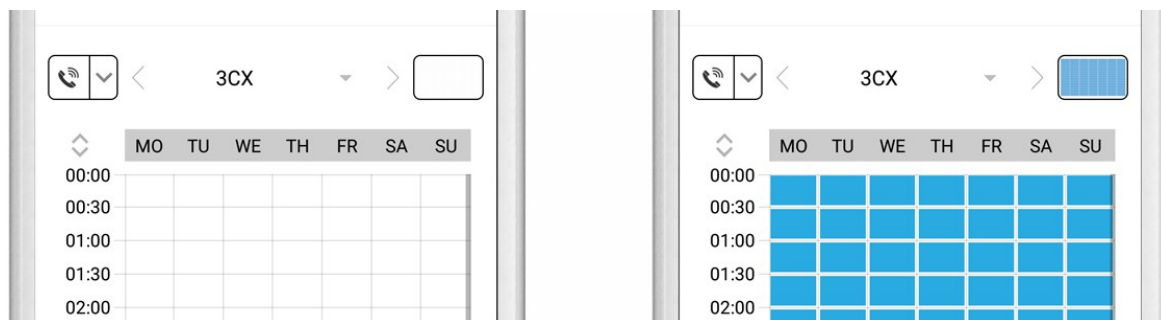
Note: The transmission of DTMF signals only happens during an active call between the DoorBird IP Video Door Station and the 3CX Phone System.



For calls from the DoorBird IP Video Door Station to be forwarded to the 3CX Phone System, a schedule for the doorbell needs to be properly set up. Depending on the model of the DoorBird IP Video Door Station, choose one of the following options:

- For all devices with a single door chime (e.g. D10x, D20x, D2101V etc.) find the settings in question under “Schedule for doorbell”. From this screen, tap the bell symbol in the upper left corner, choose “SIP call” and fill out the schedule per your requirements.
- For all devices with multiple door chimes (e.g. D2102V, D2103V, etc.) find the settings in question in the administration area under “Key Configuration” 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.
- For all devices outfitted with a keypad (e.g. D21DKV) find the settings in question 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.

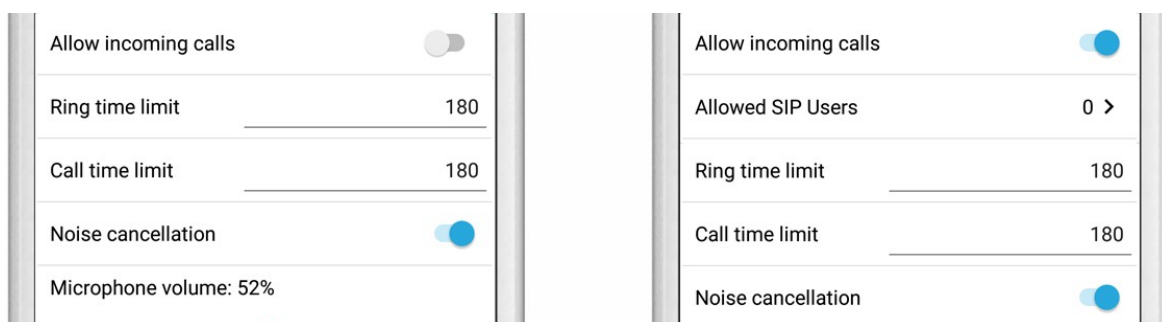
Hint: by tapping the button in the upper right corner it is possible to fill or clear the entire schedule.



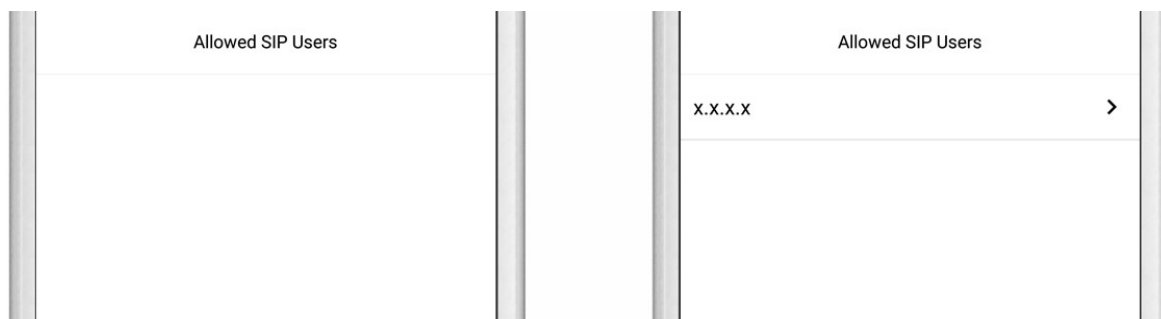
3. Return to the main administration area and save the settings. Wait for about five minutes for the new settings to take place.

It is also possible to make calls to the DoorBird IP Video Door Station from another phone connected to your 3CX Phone System. This behavior is deactivated by default and can be set up using the following steps.

1. From the “SIP Settings” page, scroll down to the “Allow incoming calls” setting and switch it on.
2. Tap on the newly appeared “Allowed SIP Users” setting and on the following page tap “ADD”.



3. Enter the IP address of your 3CX Phone System and prefix it with the SIP user id of the extension you want to allow and an “@”-symbol, e.g. 321@x.x.x.x.



4. Navigate back to the main “SIP Settings” page and tap “Save” to activate the changes.

For questions and problems regarding the product “3CX Phone System” please contact the manufacturer online:
<https://www.3CX.com/support>

For questions and problems regarding our devices (DoorBird IP Video Door Station) please use the contact for to get In touch with our technical support: <https://www.doorbird.com/contact>