



Controlling the IP Door Entry Phone Stations

1. Features

- Transfer of video and audio from the **IP Door Phone Entry Station** to the **iBell office** application.
- Supports **SIP server** a **Peer-To-Peer** communication modes.
- Controls up to 100 **IP Door Phone Entry Stations**.
- Controls up to 4 locks to each **IP Door Phone Entry Station** using a **DTMF code**.
- Contains **Video Preview** function.
- Up to 4 external IP Cameras to each **IP Door Phone Entry Station**.
- **Pop-up** function on incoming call.
- Clear errors diagnostics.
- Technical support available.
- Easy and fast installation.
- Support many IP PBX (Asterisk, FRITZ!Box, 3CX)
- Operating system Windows 10, Windows 8.1, Windows 7, Windows XP



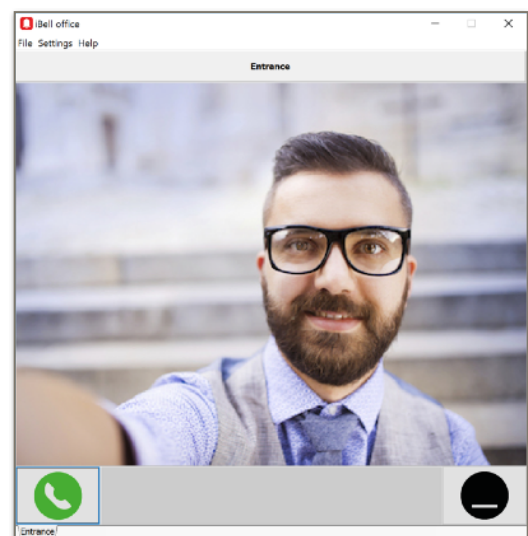
2. Used for

- Computer at the reception
- Offices without reception
- Replacement for desktop IP Phone

3. Function description

iBell office allows the user to talk and see a person wanting to enter and remote opening of an entry door. The program contains a **Pop-up function** which hides it in the background when it is idle, so that it does not disturb the user at work and does not take up space on the monitor.

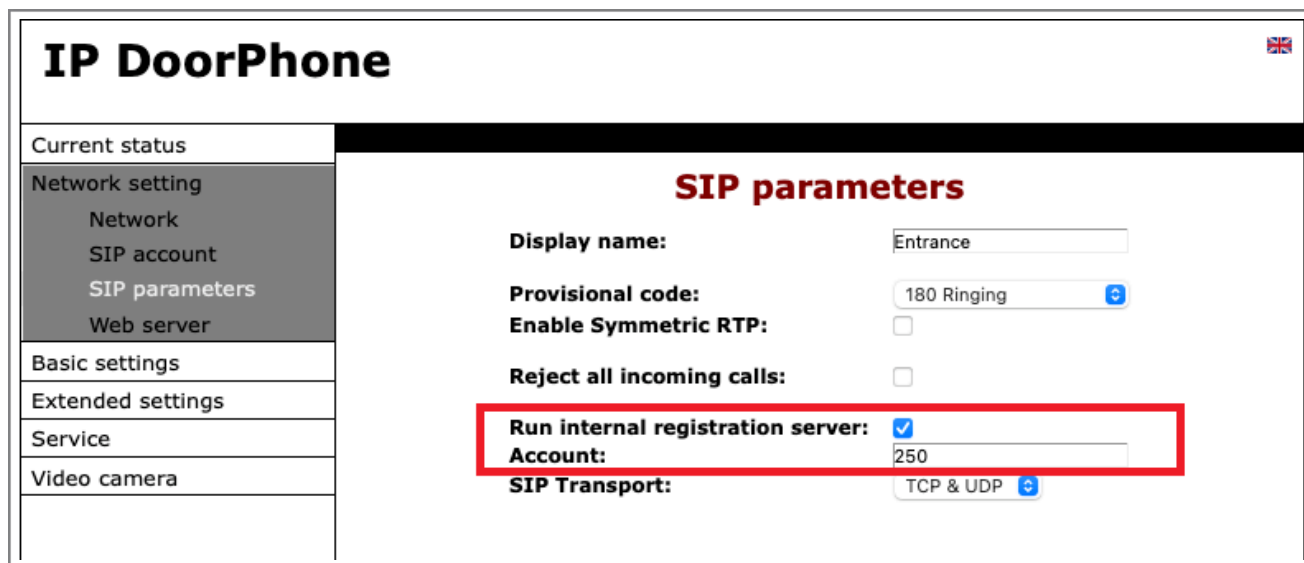
Program **iBell office** requires a computer running on operating system Windows.



4. Connection iBell office directly to the IP Door Entry Phone Station

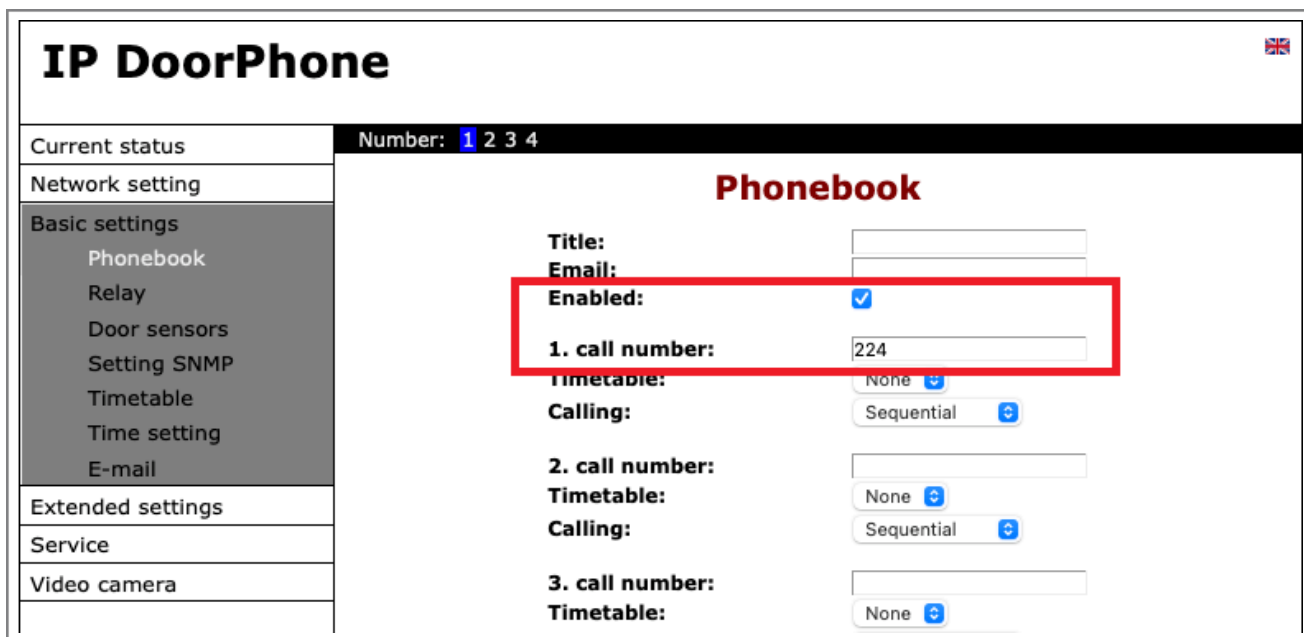
The **iBell office** program can be connected directly to the **IP Door Entry Phone Station**. In this case, it is not necessary to use an external SIP Server. A SIP server is used which is built into each **IP Door Entry Phone Station**. This solution is suitable if only one **IP Door Entry Phone Station** is installed.

1. Enable the built-in SIP Server in the **IP Door Entry Phone Station** settings



The screenshot shows the 'IP DoorPhone' web interface. On the left is a sidebar menu with options: 'Current status', 'Network setting' (selected), 'Basic settings', 'Extended settings', 'Service', and 'Video camera'. Under 'Network setting', there are sub-options: 'Network', 'SIP account', 'SIP parameters' (highlighted), and 'Web server'. The main content area is titled 'SIP parameters' in red. It contains several settings: 'Display name:' with a text field containing 'Entrance'; 'Provisional code:' with a dropdown menu showing '180 Ringing'; 'Enable Symmetric RTP:' with an unchecked checkbox; 'Reject all incoming calls:' with an unchecked checkbox; 'Run internal registration server:' with a checked checkbox (this row is highlighted with a red rectangle); 'Account:' with a text field containing '250'; and 'SIP Transport:' with a dropdown menu showing 'TCP & UDP'.

2. Enter the **iBell office** program Phone number in the **IP Door Entry Phone Station** Phone book settings.



The screenshot shows the 'IP DoorPhone' web interface with the 'Phonebook' settings page. The sidebar menu is the same as in the previous screenshot, but 'Basic settings' is now selected, and 'Phonebook' is highlighted under it. The main content area is titled 'Phonebook' in red. At the top, there is a 'Number:' label followed by a row of four buttons: '1' (highlighted), '2', '3', and '4'. Below this, there are settings for three phone numbers. For the first number (1), the 'Enabled:' checkbox is checked (this row is highlighted with a red rectangle), and the '1. call number:' text field contains '224'. The 'Timetable:' dropdown is set to 'None' and the 'Calling:' dropdown is set to 'Sequential'. The second and third numbers have empty text fields for their call numbers and 'None' selected for their timetables.

3. In the **iBell office** program settings, enter the **IP Door Entry Phone Station** parameters as the SIP Server and also set the **IP Door Entry Phone Station IP** address and Phone number.

The item “SIP Server User password” is the same as the item “SIP Server User name”, here “224”.

Settings

SIP Server Connection

SIP Server User Name:

SIP Server User Password:

Authentication ID:

SIP Server IP Address:

SIP Server Network Port:

Registration Server IP Address:

Registration Server Port:

SIP Proxy Server IP Address:

SIP Proxy Server Network Port:

Outbound Proxy Server:

NAT and Firewall settings

☒ Local Network

☐ Public IP Address:

☐ STUN Server IP Address:

User Settings

☒ Run this program automatically when Windows starts

☒ The program automatically minimize after its launch

Ringing tone:

Language selection: en

@ For example: <http://192.168.1.250/video.mjpg>

Entrance Communicators Settings

Communicator Name:

Communicator IP Address:

Communicator Video Port:

Communicator Phone Number:

Incoming Substitute Phone Number:

Communicator Admin Password:

Communicator 1

DTMF code to switch: Close Call ☒

Auxiliary Camera IP Address or Domain:

User Name: Password:

Communicator 2

DTMF code to switch: Close Call ☒

Auxiliary Camera IP Address or Domain:

User Name: Password:

Communicator 3

DTMF code to switch: Close Call ☒

Auxiliary Camera IP Address or Domain:

User Name: Password:

Communicator 4

DTMF code to switch: Close Call ☒

Auxiliary Camera IP Address or Domain:

User Name: Password:

Hlavní vchod

Add Communicator Remove Communicator

Default settings Documentation Save and Restart Back

5. Connection of iBell office and IP Door Entry Phone Station using static IP addresses

This solution is suitable if more than one **IP Door Entry Phone Station** is installed or if an older version of the **IP Door Entry Phone Station** is used which does not yet have a built-in SIP Server (**IPDP** model).

You need to make sure that the IP addresses of the **IP Door Entry Phone Stations** and the **iBell office** computer do not change over time. For example, by using blocking in a DHCP server.

1. Enter the **iBell office** computer IP address in the **IP Door Entry Phone Station** Phone book.

The screenshot shows the 'IP DoorPhone' web interface. On the left is a sidebar menu with options: Current status, Network setting, Basic settings (selected), Extended settings, Service, and Video camera. Under 'Basic settings', 'Phonebook' is selected. The main area is titled 'Phonebook' and contains a table of settings. A red box highlights the 'Enabled' checkbox, which is checked, and the '1. call number' field, which contains '192.168.1.134'. Other fields include Title, Email, Timetable (set to None), and Calling (set to Sequential).

2. Enter the **IP Door Entry Phone Station** IP address in the **iBell office** Settings.

The screenshot shows the 'Settings' window of the iBell office software. The 'Entrances Communicators Settings' section is highlighted with a red box. It contains fields for 'Communicator Name' (Main Entrance) and 'Communicator IP Address' (192.168.1.250). Other settings include 'Communicator Video Port' (80), 'Communicator Phone Number', 'Incoming Substitute Phone Number', and 'Communicator Admin Password'. There are also sections for 'DTMF code to switch' and 'Auxiliary Camera IP Address or Domain' for multiple entrances. At the bottom, there are buttons for 'Add Communicator', 'Remove Communicator', 'Save and Restart', and 'Back'.

6. Connection of the iBell office and the IP Door Entry Phone Station using the FRITZ!Box

1. Register the **IP Door Entry Phone Station** on the **FRITZ!Box** IP PBX.

The screenshot shows the 'IP DoorPhone' web interface. On the left is a sidebar menu with options: Current status, Network setting (selected), SIP account, SIP parameters, Web server, Basic settings, Extended settings, Service, and Video camera. The main content area is titled 'SIP account' and contains the following fields:

- Enabled: ☒
- Account: 620
- Auth. Id: 620
- Password: *****
- SIP server: 192.168.1.1
- Port: 5060
- Send register: ☒
- Expiration [sec]: 600
- Unregister before restart: ☒
- Use Outbound proxy: ☐
- SIP Transport: TCP & UDP
- Use DNS SRV: ☐

A red box highlights the 'Enabled' checkbox and the account details. Another red box at the bottom highlights the text 'Registration successful'.

2. Enter the **iBell office** program Phone number, including the **FRITZ!Box** predial "***", in the **IP Door Entry Phone Station** Phone book.

The screenshot shows the 'IP DoorPhone' web interface with the 'Phonebook' section selected in the sidebar. The main content area is titled 'Phonebook' and contains the following fields:

- Title: [empty]
- Email: [empty]
- Enabled: ☒
- 1. call number: **621
- Timetable: None
- Calling: Sequential
- 2. call number: [empty]
- Timetable: None
- Calling: Sequential
- 3. call number: [empty]
- Timetable: None

A red box highlights the 'Enabled' checkbox and the first call number field.

3. Enter the **FRITZ!Box** as the SIP Server and add the **IP Door Entry Phone Station** parameters in the **iBell office** program Settings.

The screenshot shows the 'Settings' window of the iBell office program. A red box highlights the 'SIP Server Connection' and 'Entrance Communicators Settings' sections. The 'SIP Server Connection' section contains the following fields: SIP Server User Name (621), SIP Server User Password (*****), Authentication ID, SIP Server IP Address (192.168.1.1), and SIP Server Network Port (5060). The 'Entrance Communicators Settings' section contains the following fields: Communicator Name (Main entrance), Communicator IP Address (192.168.1.250), Communicator Video Port (80), Communicator Phone Number (**620), and Incoming Substitute Phone Number (6201). Other sections include Registration Server IP Address, Registration Server Port, SIP Proxy Server IP Address, SIP Proxy Server Network Port, Outbound Proxy Server, NAT and Firewall settings, User Settings, and a list of four communicators with their respective settings.

- The “SIP Server User name” and “SIP Server User password” items must be set according to the account created in the **FRITZ!Box**.
- “SIP Server IP Address” is the **FRITZ!Box** IP address.
- “Communicator IP Address” is the **IP Door Entry Phone Station** IP address.
- “Communicator Phone Number” is the **IP Door Entry Phone Station** Phone number including **FRITZ!Box** predial “**”.
- “Incoming Substitute Phone Number” is the same as the item “Communicator Phone Number” only without **FRITZ!Box** predial and supplemented by the last digit, which indicates the button number of the **IP Door Entry Phone Station**.

If you have any problems, please contact as at:

support@ibell.eu