



## 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



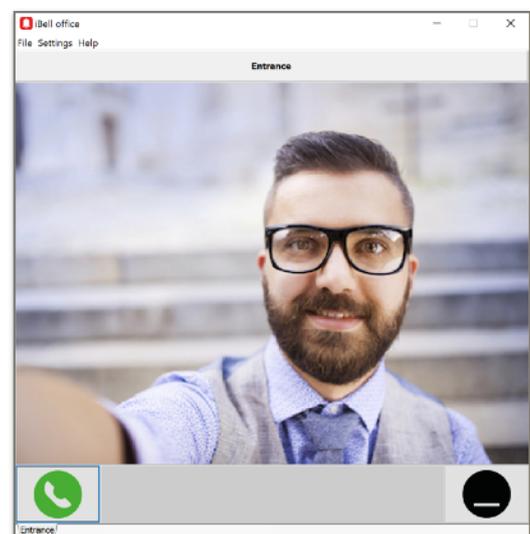
### 2. Used for

- 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.

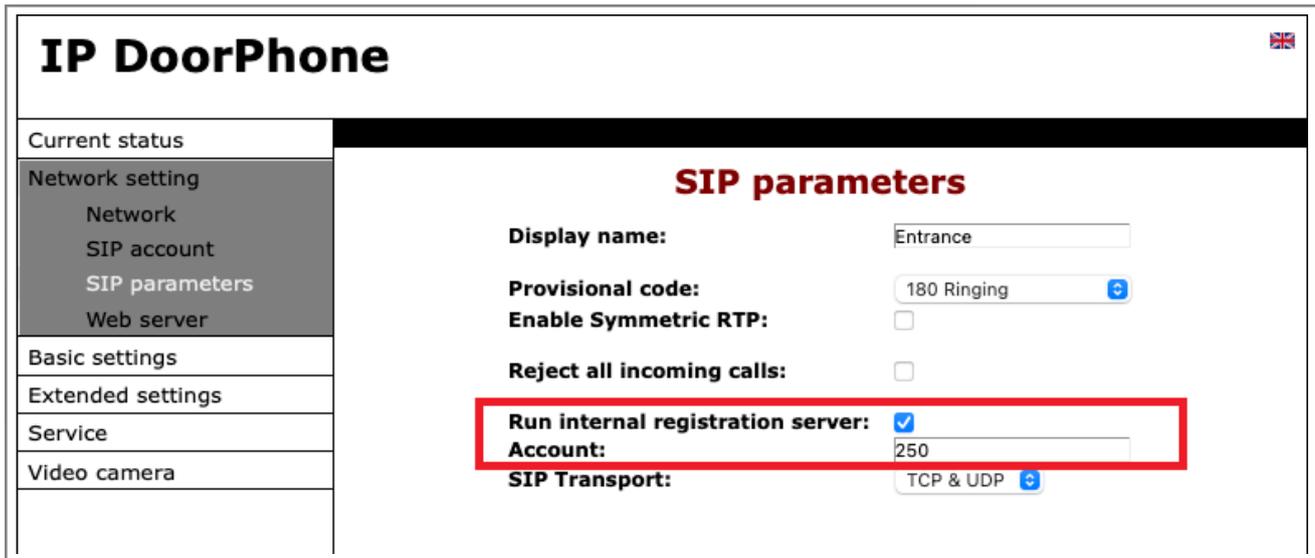
Program **iBell office** requires a computer running on operating system Windows.



## 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



**IP DoorPhone**

Current status

Network setting

Network

SIP account

SIP parameters

Web server

Basic settings

Extended settings

Service

Video camera

### SIP parameters

Display name: Entrance

Provisional code: 180 Ringing

Enable Symmetric RTP:

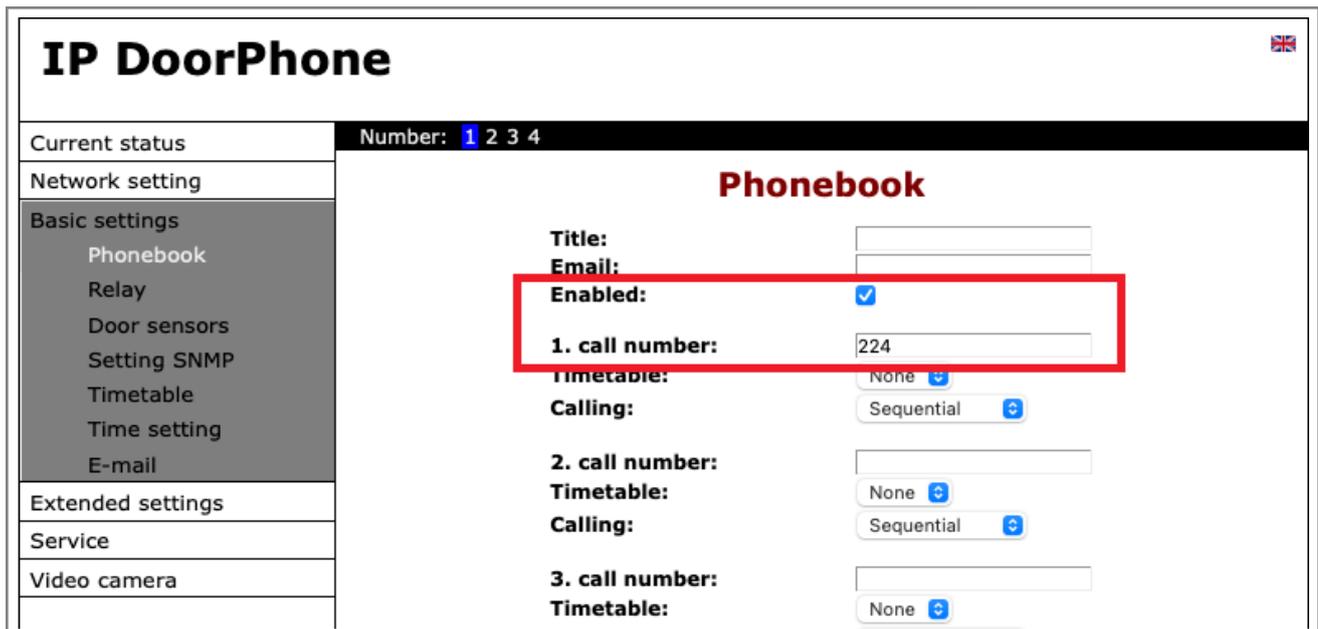
Reject all incoming calls:

**Run internal registration server:**

Account: 250

SIP Transport: TCP & UDP

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



**IP DoorPhone**

Current status

Number: 1 2 3 4

Network setting

Basic settings

Phonebook

Relay

Door sensors

Setting SNMP

Timetable

Time setting

E-mail

Extended settings

Service

Video camera

### Phonebook

Title:

Email:

**Enabled:**

**1. call number: 224**

Timetable: None

Calling: Sequential

2. call number:

Timetable: None

Calling: Sequential

3. call number:

Timetable: None

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:

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

**Entrance Communicators Settings**

Communicator Name:

Communicator IP Address:

Communicator Video Port:

Communicator Phone Number:

Incomming 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:

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## 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' interface with a 'Phonebook' section. The 'Enabled' checkbox is checked and highlighted with a red box. The '1. call number' field contains the IP address '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 with the 'Entrance Communicators Settings' section highlighted by a red box. The 'Communicator Name' is 'Main Entrance' and the 'Communicator IP Address' is '192.168.1.250'. Other settings include SIP Server Connection, 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, User Settings, and four lock settings (1, 2, 3, 4) for DTMF code to switch and Auxiliary Camera IP Address or Domain.

## 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. The left sidebar contains a menu with 'Network setting' (Network, 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', 'Auth. Id', and 'Password' fields. Another red box highlights the 'Registration successful' message at the bottom of the form.

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. The left sidebar contains a menu with 'Basic settings' (Phonebook, Relay, Door sensors, Setting SNMP, Timetable, Time setting, E-mail), 'Extended settings', 'Service', and 'Video camera'. 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 '1. 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 for the iBell office program. The 'SIP Server Connection' and 'Entrance Communicators Settings' sections are highlighted with a red box. The 'SIP Server Connection' section includes fields for 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 includes fields for 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 (5060), SIP Proxy Server IP Address, SIP Proxy Server Network Port (5060), Outbound Proxy Server, NAT and Firewall settings (Local Network selected), User Settings (Run this program automatically when Windows starts, The program automatically minimize after its launch), Ringing tone (sound1.wav), and Language selection (en). At the bottom, there are buttons for Default settings, Documentation, Save and Restart, and Back.

- 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** pre-dial “\*\*”.
- “Incoming Substitute Phone Number” is the same as the item “Communicator Phone Number” only without **FRITZ!Box** pre-dial 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 us at:

**support@ibell.eu**