



Application Note APN012017

November 2020

Windows

Direct connection to one entrance

1. Features

- Direct connection **iBell office** software to the Entrance Communicator
- No SIP server is needed
- It works on local network only
- Call only without switching rules
- Pop-up function

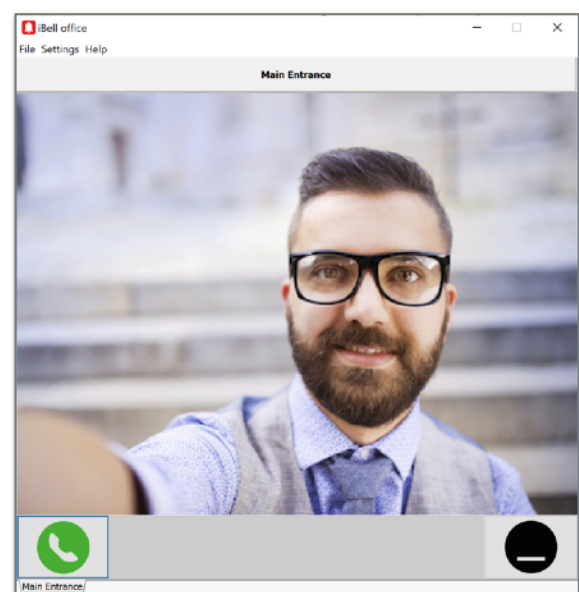
2. Applications

- Family houses with one entrance
- Small offices
- Small shops

3. Description

The Entrance Communicator contains the Internal Registration Server. This server can be used to directly connection of **iBell office** software to the Entrance Communicator. No external SIP server is needed. The Internal Registration Server must be enabled and his Account number must be set to number 250. (This is the default setting after production.) The iBell office software will use this communicator as both a SIP registration server and a terminal device.

The program **iBell office** runs in the background of Windows and will be displayed on the desktop if there is an incoming call.





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4. Entrance Communicator settings

- The “SIP parameters - Run Internal registration server” must be enabled.
- The “Account” must be set to number 250. It is the Entrance Communicator phone number.

Alphatech
VoIP doorphone

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

- The section “Phonebook” contains the **iBell office** phone number, here it is number 224 (for an example).
- Under this phone number 224 is **iBell office** registered to the Entrance Communicator. See next chapter.

Alphatech
VoIP doorphone

Number: 1 2 3 4

Phonebook

Title: iBell

Email:

Enabled: ☒

1. call number: 224

Timetable: None

Calling: Sequential

2. call number:

Timetable: None



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5. iBell office settings

- The “SIP server User Name” must be set to **iBell office** phone number, here it is number 224 (for this example).
- The “SIP Server User Password” must be set to communicator admin password. You can also use the number 224 by default.
- The “SIP Server IP Address”, here is Entrance Communicator local IP address. It is the same as “Communicator IP Address” for our case.
- The “Communicator IP Address” is the same as the “SIP Server IP Address”.
- The “Communicator Phone Number” must be set to phone number 250. It is an internal phone number of the Entrance Communicator in Registrar mode.

The screenshot shows a 'Settings' window with two main sections: 'SIP Server Connection' and 'Entrance Communicators Settings'.

SIP Server Connection:

- SIP Server User Name: 224
- SIP Server User Password: #####
- Authentication ID: (empty)
- SIP Server IP Address: 192.168.1.250
- SIP Server Network Port: 5060
- Registration Server IP Address: (empty)
- Registration Server Port: 5060
- SIP Proxy Server IP Address: (empty)
- SIP Proxy Server Network Port: 5060
- Outbound Proxy Server: (empty)
- NAT and Firewall settings: (empty)

Entrance Communicators Settings:

- Communicator Name: Main Entrance
- Communicator IP Address: 192.168.1.250
- Communicator Video Port: 80
- Communicator Phone Number: 250
- Incoming Substitute Phone Number: (empty)
- Communicator Admin Password: (empty)
- DTMF code to switch: (empty) Close Call ☒
- Auxiliary Camera IP Address or Domain: @ (empty)
- User Name: (empty) Password: (empty)
- DTMF code to switch: (empty) Close Call ☒
- Auxiliary Camera IP Address or Domain: (empty)

That is all. Now we can try to call :-)