



Application Note APN032017

Direct connection to more entrances

1. Features

- Direct connection iBell software to the more Entrance Communicators
- No SIP server is needed
- It works on local network only
- Call only without switching rules
- Requires a free SIP port 5060 on the PC
- Requires static IP address on the PC
- Pop-up function

2. Applications

- Family houses with more entrances
- Small offices with more entrances
- Warehouses, parking

3. Description

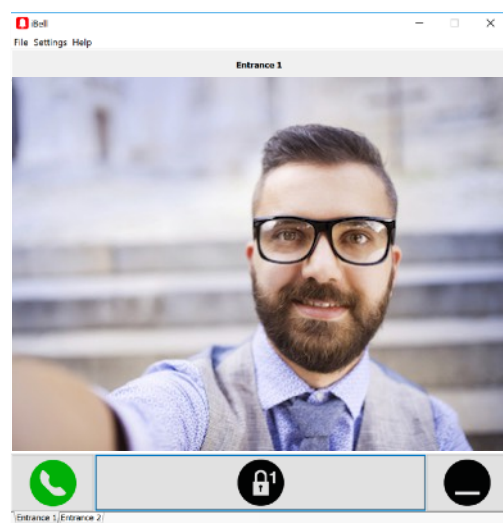
The Entrance Communicator works in Peer-To-Peer mode and calls to iBell software directly on his PC network IP address. No SIP server is needed. (This is the default setting after Entrance Communicator production.)

Using group dial settings in the Entrance Communicator, it is possible to call several iBell programs at the same time.

The program iBell is forced to occupy the PC network port 5060 in this mode, which may cause problems with other IP telephony programs running on this computer at the same time.

The iBell IP address must be static and must not be changed over time (no DHCP service).

The program 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 mode” section must be set to “Peer-To-Peer” mode.
- The “SIP Transport” may be set to “UDP” (mainly for Windows 10).

The screenshot shows the 'SIP parameters' configuration page. On the left is a navigation menu with options: Current status, Network setting (Network, SIP parameters, Web server), Basic settings, Extended settings, Service, and Video camera. The main content area is titled 'SIP parameters' and contains the following fields:

- SIP mode:** Peer-to-peer (dropdown)
- Display name:** IP DoorPhone
- SIP User Agent:** IP BOLD
- Account:** 250
- Auth. Id:** (empty)
- Password:** (empty)
- Send register:** (checkbox, unchecked)
- Registration server:** (empty)
- Port:** 5060
- Expiration [sec]:** 600
- Registrate after restart:** (checkbox, unchecked)
- SIP server:** (empty)
- Port:** 5060
- Outbound proxy:** (empty)
- Port:** 5060
- SIP Transport:** UDP (dropdown)
- Provisional code:** 180 Ringing (dropdown)
- Enable Symmetric RTP:** (checkbox, unchecked)

- The section “Phonebook” contains the iBell (computer) IP address.

The screenshot shows the 'Phonebook' configuration page. At the top, it says 'Number: 1 2'. The left navigation menu includes: Current status, Network setting, 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:** iBell
- Email:** (empty)
- Enabled:** (checkbox, checked)
- 1. call number:** 192.168.1.100
- Timetable:** None (dropdown)
- Calling:** Sequential (dropdown)
- 2. call number:** (empty)
- Timetable:** None (dropdown)
- Calling:** Sequential (dropdown)
- 3. call number:** (empty)
- Timetable:** None (dropdown)
- Calling:** Sequential (dropdown)



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5. iBell settings

- The “SIP Server Connection” must be blank.
- The “Entrance Communicator Settings” is completed by individual entrance communicators (see Entrance 1, Entrance 2).
- Each Entrance Communicator has its IP address filled in.

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