



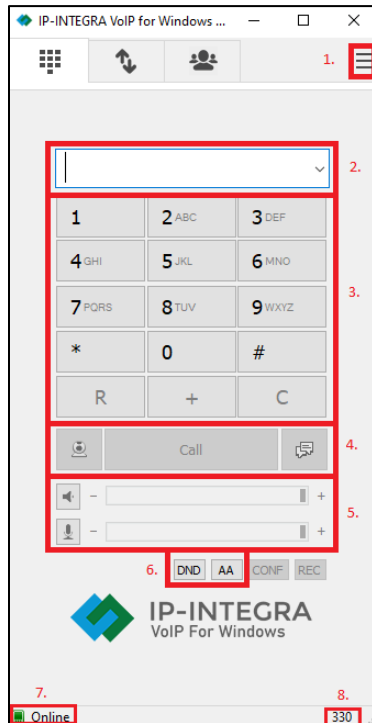
## **IP-INTEGRA VoIP for Windows USER MANUAL**

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## 1. General Information

Upon running the application, user will be welcomed by the screen shown in the picture bellow.



1. Menu
2. Dialer – Enter name/number/extension you wish to call.
3. Keypad
4. Video call/Audio call/Message
5. Speaker and Microphone Volume
6. Do-not-disturb/Auto-Answer
7. Extension status (Online/Offline/Timeout)
8. Extension number



- 1.1 Dialer
- 1.2 Call List
- 1.3 Contacts

**IP-INTEGRA VoIP for Windows** does not require installation of additional libraries, runtimes or frameworks.

## 2. Adding account

For the application to be used, **account** first needs to be configured. Click on the **menu** button in the top right corner, then **Add account**. Following screen will show:

The screenshot shows a window titled "Account" with a close button (X) in the top right corner. The window contains the following fields and options:

- Account Name: User's Account Name
- SIP Server: 192.168.200.130:6060
- SIP Proxy: (empty)
- Username \*: 6970
- Domain \*: 192.168.200.130:6060
- Login: (empty)
- Password: (masked with dots) with a "display password" link below it.
- Display Name: User's Display Name
- Voicemail Number: (empty)
- Dialing Prefix: (empty)
- Dial Plan: (empty)
- ☐ Hide Caller ID
- Media Encryption: Disabled (dropdown menu)
- Transport: UDP (dropdown menu)
- Public Address: Auto (dropdown menu)
- Register Refresh: 300 (input field)
- Keep-Alive: 15 (input field)
- ☐ Publish Presence
- ☐ Allow IP Rewrite
- ☐ ICE
- ☐ Disable Session Timers

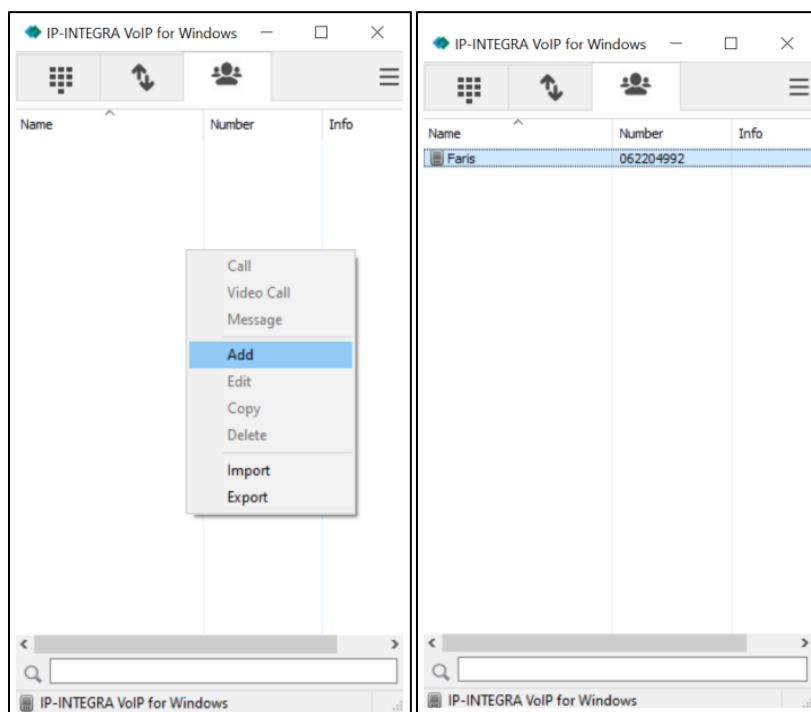
At the bottom of the window, there are three buttons: "X" (close), "Save", and "Cancel".

For detailed explanation on how to install and set up the IP-INTEGRA VoIP for Windows, please refer to our Application Note available [here](#).

- **Account Name** - Your name, remote party will see it in incoming calls and messages.
- **SIP server** – your account SIP server
- **SIP proxy** – Your account SIP proxy or a chain of proxies. Examples: 192.168.1.1, 192.168.1.1;hide , “;hide” parameter can solve impossibility of registration or calls due to server configuration
- **Username** - your account username
- **Domain** - your account domain
- **Login** - username for authentication. If empty, will be used Username.
- **Password** - Your account password

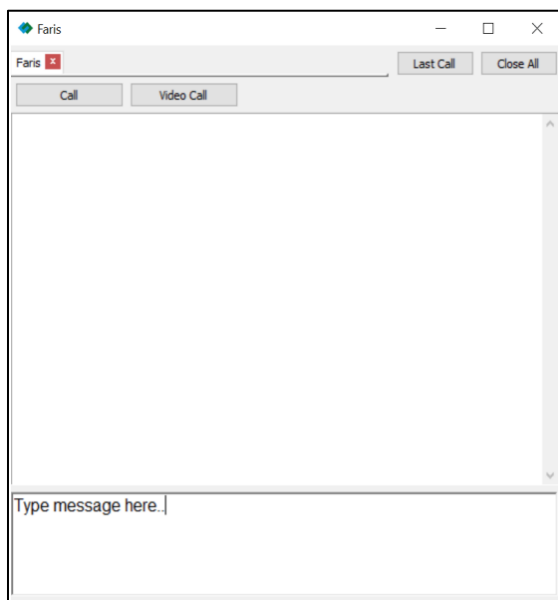
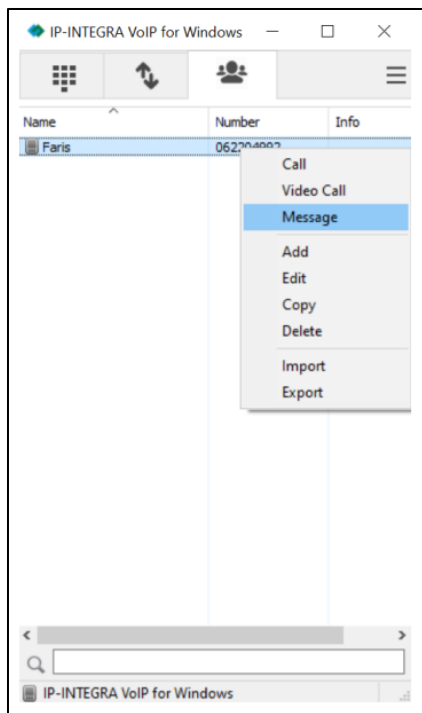
### 3. Contacts

To **add** a contact, **right-click** in an empty area of the **Contacts** page. Only the Number field is **required**. One number can be added to the Contacts list only once. Number can be specified in various input formats.



## 4. Messages

Allows you to send and receive messages to devices that support messaging.



## 5. Settings

The screenshot shows a settings window with the following sections:

- Single Call Mode:** A checkbox that is currently checked.
- Ringtone:** A text field with a browse button and a delete button.
- Ring Device:** A dropdown menu set to 'Default'.
- Speaker:** A dropdown menu set to 'Default'.
- Microphone:** A dropdown menu set to 'Default'.
- Microphone Amplification:** An unchecked checkbox.
- Software Level Adjustment:** An unchecked checkbox.
- Available Codes:** A list of audio codecs including Opus 24 kHz, G.722 16 kHz, G.722.1 16 kHz, G.722.1 32 kHz, G.723 8 kHz, G.729 8 kHz, and GSM 8 kHz.
- Enabled Codes:** A list of audio codecs including G.711 A-law and G.711 u-law.
- VAD:** An unchecked checkbox.
- EC:** A checked checkbox.
- Force Codec for Incoming:** An unchecked checkbox.
- Disable Video:** An unchecked checkbox.
- Camera:** A dropdown menu set to 'Default' with a 'P' button next to it.
- Video Codec:** A dropdown menu set to 'Default'.
- H.264:** A checked checkbox.
- H.263:** A checked checkbox.
- VP8:** A checked checkbox.
- Video Bitrate:** A text field set to '256'.
- Source Port:** A text field set to '0'.
- rport:** A checked checkbox.
- RTP Ports:** A text field set to '0'.
- Nameserver:** A text field.
- DNS SRV:** An unchecked checkbox.
- STUN Server:** A text field.
- Call Recording:** An unchecked checkbox.
- Recordings:** A text field with a browse button and a delete button.
- MP3:** A selected radio button.
- WAV:** An unselected radio button.
- REC:** A checked checkbox.
- DTMF Method:** A dropdown menu set to 'Auto'.
- Auto Answer:** A dropdown menu set to 'Control Button' with a '0' sec timer.
- Call Forwarding:** A dropdown menu set to 'No' with a '0' sec timer.
- Deny Incoming:** A dropdown menu set to 'Control Button'.
- Directory of Users:** A text field.
- Default List Action:** A dropdown menu set to 'Default'.
- Handle Media Buttons:** An unchecked checkbox.
- Headset Support:** An unchecked checkbox.
- Sound Events:** A checked checkbox.
- Enable Log File:** An unchecked checkbox.
- Bring to Front on Incoming Call:** A checked checkbox.
- Enable Local Account:** An unchecked checkbox.
- Random Popup Position:** An unchecked checkbox.
- Call Waiting:** A checked checkbox.
- Disable Messaging:** An unchecked checkbox.
- Check for Updates:** A dropdown menu set to 'Weekly'.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom right.

- **Single call mode** - Provides a simple user interface with limited functionality. You must disable this if you wish to manage multiple calls, make attended transfers, or conference calls.
- **Ringtone** - You can choose any WAV file on incoming call.
- **Microphone Amplification** - Extends range of input signal level regulation by adding software amplification on top half of regulator. Default value – no
- **Software Level Adjustment** - Enables internal input level regulation instead of changing global level of input device. Note that hardware regulation has lower noise rating. Default value – no
- **Audio Codecs** - You can enable and disable codecs by moving them between lists. Also, you can set codec priority (for outgoing calls) by moving codecs in the right list.
- **VAD** - Enables voice activity detection. Default value – no
- **EC** - Enable echo cancellation. Default value – no 12
- **Force codec for incoming** - Normally, caller defines codecs priority. For incoming calls, this option allows you (callee) select preferred codec.

- **Disable H.264 codec** – Normally, the caller defines codec that will be used by both parties. But some callees parties force your selected codec with some others, but in same time they support your codec. In this case you can disable unwanted codec. Default value – no
- **Disable H.263 codec** - See above. Default value – no
- **Video codec bitrate** - Set the maximum bitrate. If one party set 256 kbit/s and other 512 kbit/s - will be used 256 kbit/s for both. Dynamic scenes require higher bitrates (~512 kbit/s), otherwise picture quality will degrade.
- **DTMF Method** - Auto: IP-INTEGRA for Windows will use RFC2833 for DTMF relay by default but will switch to in-band audio DTMF tones if the remote side does not indicate support of RFC2833 in SDP. Note: in-band method will not work properly with every audio codec due to compression algorithms
- **Auto answer** - IP-INTEGRA for Windows will play short tone and popup when call auto accepted. SIP header - when receiving the "Call-Info: Auto Answer" or "Call-Info: answer-after=0" or "X-AUTOANSWER: TRUE" in SIP header
- **Deny incoming** - Helps to block unwanted or spam incoming calls. Different user/domain/user-domain means that callee data do not match data in your account window. Different remote domain means that caller domain does not match domain in your account window.
- **Directory of users** - Enter URL to obtain contacts from external source via HTTP(s). JSON and XML responses are supported. Use UTF-8 encoding.
- **Handle Media Buttons** - Enables handling of media keys or buttons events on multimedia keyboards or headsets with buttons (**WM\_APPCOMMAND** message). Can be used for call answer, hold, resume, and end call.
- **Sound events** - Playback key presses and signals of outgoing call
- **Enable local account** - Local account allows you make and receive calls without SIP server and SIP account. In this case you can call by IP address (or domain name) as number. Note: local account always enabled if SIP account is not configured or disabled. **Example:** sip:192.168.1.21 or just 192.168.1.21 or [username@192.168.1.21](#)
- **Enable log file** - Activates IP-INTEGRA for Windows log file. Used for debugging. To open log file right click on tray icon
- **Random position of the answer box** - Display incoming call window at random position on the screen and random monitor.
- **Send crash report** - Automatically send crash report to the IP-INTEGRA for Windows team for analysis. Report includes OS name and version, log file (if enabled in Settings). It **never** contains your passwords.
- **DTMF** - While you are in call you can press buttons on dial pad to send DTMF signals. If you want to automatically pass DTMF commands just after call established, then add ",**dtmf\_sequence**" or ", dtmf\_sequence1, dtmf\_sequence2" in calling number. One comma means pause in one second.





Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.

As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.

In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.

As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.

Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.

