



## Smartlock Product For Voice & BLE Activated Door Opener



### Client Business Description

Mircom Group of Companies is a manufacturer and distributor of life safety and communications systems including fire detection & alarm, voice evacuation, controlled access and security solutions.

### Challenge

- ◇ The client required a solution for communicating over the Internet with Voice and Video between the Mobile devices and their Voice Entry Systems. The objective was to create a Mobile Application having Voice Over IP capabilities to communicate with their devices.

### Idea

- ◇ The existing communication between the two devices utilized wired connection in the same vicinity. The new system should break the barrier of having a wired connection and allowing the users to connect and control the Voice Entry Systems wirelessly.

### Our Solution

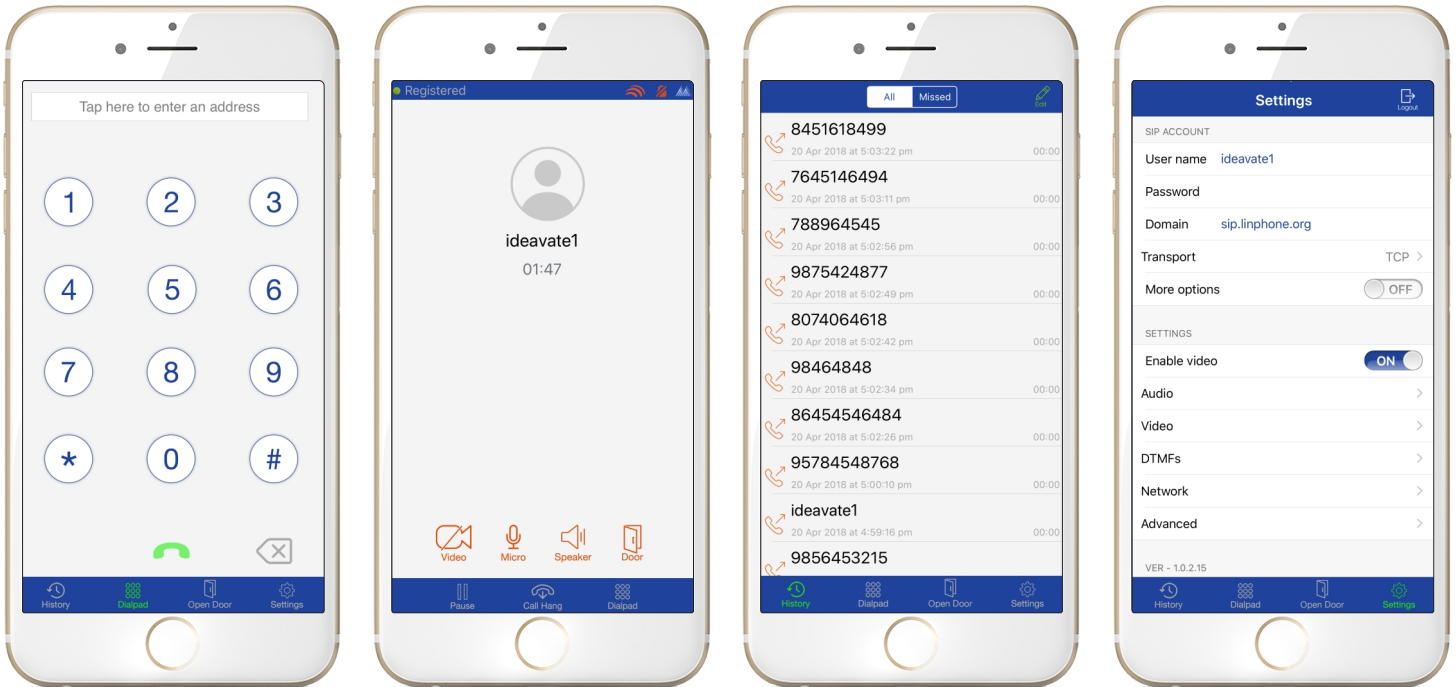
Mobile Pundits developed Mircom Softphone VoIP Product that was designed to communicate with Mircom's voice entry systems using Mobile Apps. The mobile apps used 3rd Party Linphone Library based on SIP (Session Initiated Protocol) for VoIP communication.

- ◇ Developed native mobile solution using iOS & Android frameworks.
- ◇ Linphone, an open source Voice Over IP phone library was used for communication over the Internet with voice and video. Linphone makes use of SIP protocol (an open standard for internet telephone) and can be used with any SIP VOIP operator.
- ◇ Mobile App users could communicate with Voice or Video with the users that are using the Mircom's Voice Entry Systems to gain an entry into the premises.

- ◇ Users can define their own keys for opening the door connected with the Mircom's system while on the call
- ◇ Users can also open the door connected with Mircom's Voice Entry Systems from their mobile phones using the BLE, if they are in the Bluetooth range of the devices. The App uses a secret key to get authenticated and open the door by the push of a button.
- ◇ User can open the doors of the Vicinity where the Mircom's Voice Entry Systems were installed, with a button press on the Apps during the call.

## Technologies Used

- Objective C
- Xcode
- Java
- Android Studio
- Linphone Library For iOS and Android



## About Mobile Pundits

Mobile Pundits is an ISO 9001:2008 Certified, leading provider of end-to-end Mobile Development & Testing solutions.

Since over 15+ Years now, Mobile Pundits' expert team has been helping our Clients with:

- ◇ Enterprise Mobility Strategy & Consulting
- ◇ Mobile Application Development
- ◇ Mobile Product Development
- ◇ Mobile Application Porting
- ◇ IoT (Internet of Things)
- ◇ Cross Platform Development
- ◇ Responsive Web Design & Development
- ◇ Mobile Testing

Our areas of expertise include:



15+ Years

of Mobile Development

CONTACT MOBILE PUNDITS TODAY

Email: [marketing@mobilepundits.com](mailto:marketing@mobilepundits.com)

Telephone:

USA: +1-732-654-9056

Australia: +61-2-8015-5723

France: +33-7-68-79-77-46

India: +91-731-402-5351

[www.MobilePundits.com](http://www.MobilePundits.com)

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