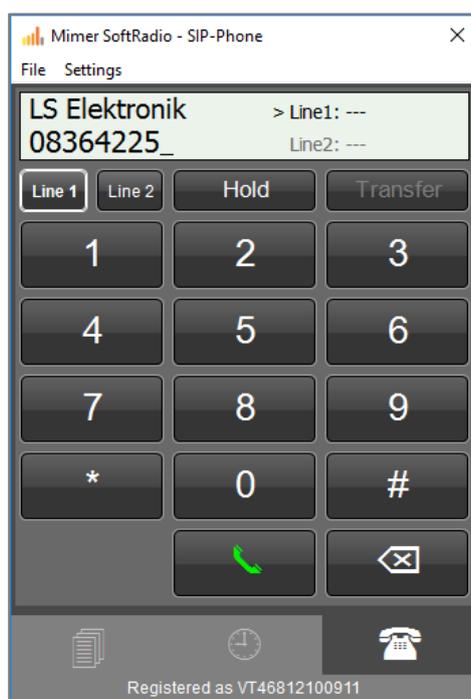




Connecting radios all over the world

## How to set-up and use Mimer SIP Option Option 3154



Release date March 1, 2017



This guide will help with the setup and use of your **Mimer SIP Option**.

Please also refer to the web page [www.softradio.se](http://www.softradio.se).

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## 2 General

**Mimer SoftRadio** is a dispatch system that handles radios, intercoms and phones from a common PC GUI.

The **SIP Option** makes it possible to connect the dispatcher to a SIP exchange. The dispatcher then gets a SIP client in his SoftRadio GUI so he can handle phone calls from the same GUI and use the same headset for phone calls as when working with radio calls.

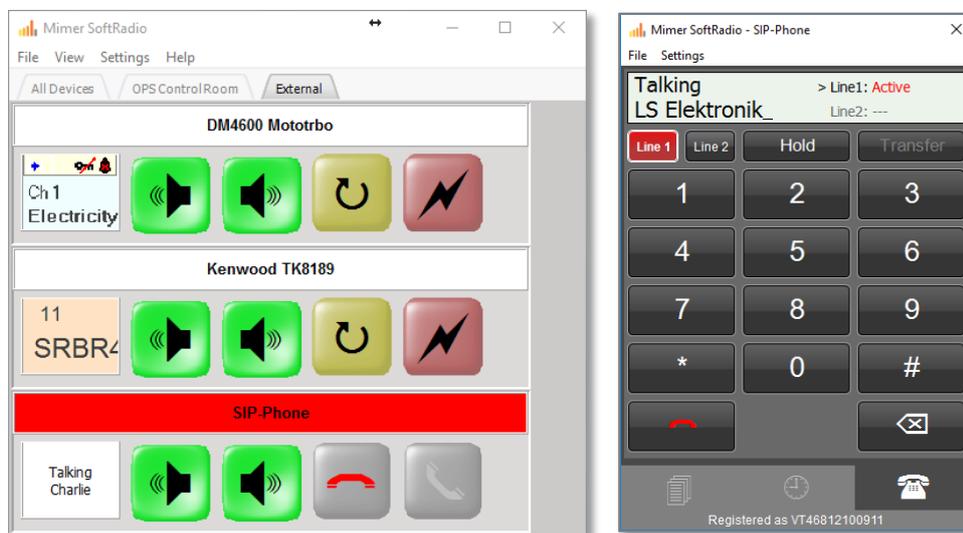
The SIP Option requires no extra hardware, it connects over IP to your SIP exchange.

With the SIP option each operator PC gets its own telephone number.

### 2.1 Other phone systems

For analogue phone systems there is a network interface that connects to phone lines (POTS) and for cellular systems there is network interface that connects to a GSM/3G modem.

Using the interfaces for POTS and GSM/3G the phone line is a common resource shared by all operators.



*Example of SoftRadio and number entry window with ongoing call*

## 3 SIP Option installation

### 3.1 Recommended hardware and software

The PC running the SIP Option also needs to have Mimer SoftRadio installed.

Mimer SoftRadio needs to be version 3.5.2.0 or higher for the SIP Option to work.

### 3.2 Installation

Run the installation from the supplied USB stick or online download.

The installation will setup the SIP Option.

Restart Mimer SoftRadio.

## 4 Configuration

Before use, you need to do some settings.

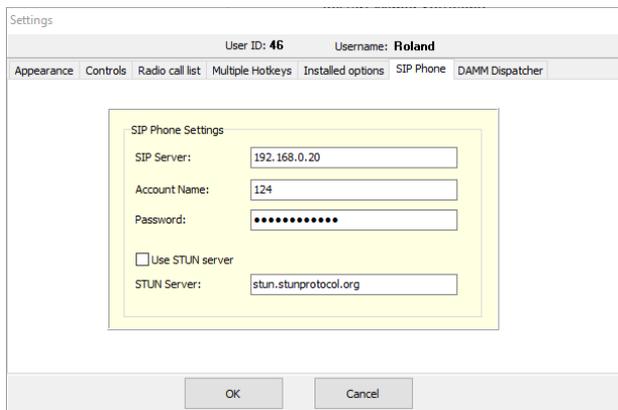
### 4.1 SIP exchange settings

First of all you need to have a SIP account. You shall either have your own private SIP Exchange or an account at one of the many on-line SIP providers that exists.

How this is done and what functions you can use will be different depending on the type of SIP exchange that you are using. Please refer to the manuals of the exchange or information you have got from the SIP provider you are using. If uncertain talk to your IT manager.

## 4.2 SIP Option settings

You will find the basic configurations for the SIP account under “Settings” in Mimer SoftRadio. Select the “SIP Phone” tab.



The screenshot shows a 'Settings' window with a tabbed interface. The 'SIP Phone' tab is selected. The 'SIP Phone Settings' section contains the following fields:

- SIP Server: 192.168.0.20
- Account Name: 124
- Password: [masked]
- Use STUN server
- STUN Server: stun.stunprotocol.org

Buttons for 'OK' and 'Cancel' are located at the bottom of the dialog.

### *Setup window*

Enter the information that is appropriate for your account. Typically you need the Sip Server name or IP (may also be called something like host name, SIP proxy, etc) an account name, and the password for the account. Sometimes you may also need to enter an outbound proxy or specify the use of a STUN server. If so, this shall be specified by the SIP provider. If uncertain about the entries talk to your IT manager.

## 5 Basic functionality

The functions in your SIP client will depend highly on what functions your SIP exchange allows you.

Normally your client is set up with a direct phone number in the SIP exchange. It can also be set up with a group number or similar depending on the functions available and the functions needed.

Basically you have access to two “phone lines”. You can have separate calls ongoing on each of the two lines and switch between them. This is for example used if you have an ongoing call and needs to call someone else and check something. You can then put the first call on hold and use the other line.

When using SIP with Mimer SoftRadio each operator gets his own telephone number. (When using other phones like POTS or GSM/3G in SoftRadio, the phone resource is a common function and shared by all operators like one of the radios)

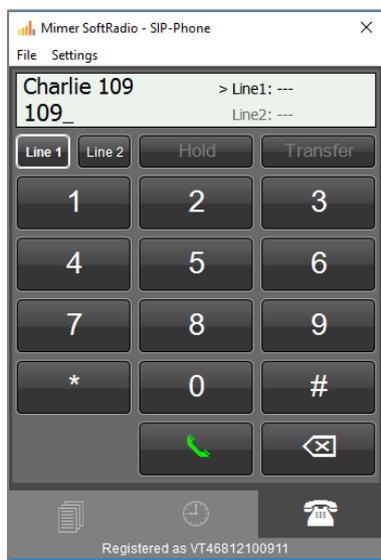
The SIP client also gives you a list of previous calls and a contacts list.

## 6 Using the SIP client

After installation and making the settings are done the client is ready for use. You should now see an extra device panel named “SIP-Phone” in your main SoftRadio GUI with handset symbols instead of the Resend button and the PTT button.

Pushing the name list “SIP-Phone” will open the SIP panel in the same way as you open a radios virtual control head.

The green handset key will light up to show that the panel is active. The green and red handset keys on the panel are parallel to the keys on the device panel in the SoftRadio GUI.



### *Number entry menu*

#### 6.1 Receiving a phone call

An incoming call generates a ring tone and blinking green on the name bar in SoftRadio. Answer the call by pushing the key with the green handset symbol.

If you do not want to take the call, you can reject it by pushing the key with the red handset button.

After the conversation is finished, end the call by pushing the key with the red handset.

You do not need to open the SIP panel to answer or reject a call.

## 6.2 Making a phone call

Open the SIP panel if it is not already open.

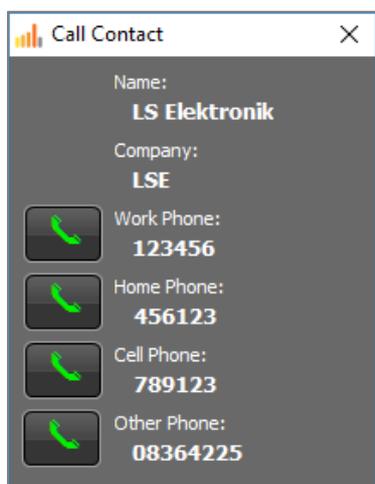
There are different ways you can make a call.

1) Go to the Phone tab.

- Manually enter a number by pressing the number buttons on the panel or entering the numbers from your PC keyboard. When the correct number is entered/selected, press the button with the green handset, or press the enter key on your keyboard.
- You can also use the green handset on the SoftRadio device panel.

2) Go to the Contacts Tab.

- Double-click an entry in your contacts list to call the contact using the defined default number. The default number is set for each contact in the contacts list.
- Press the ⓘ symbol at an entry in your contacts list. Then press the green handset button next to the preferred number.



3) Go to the History Tab.

- Double-click an entry in the call log (history) list.

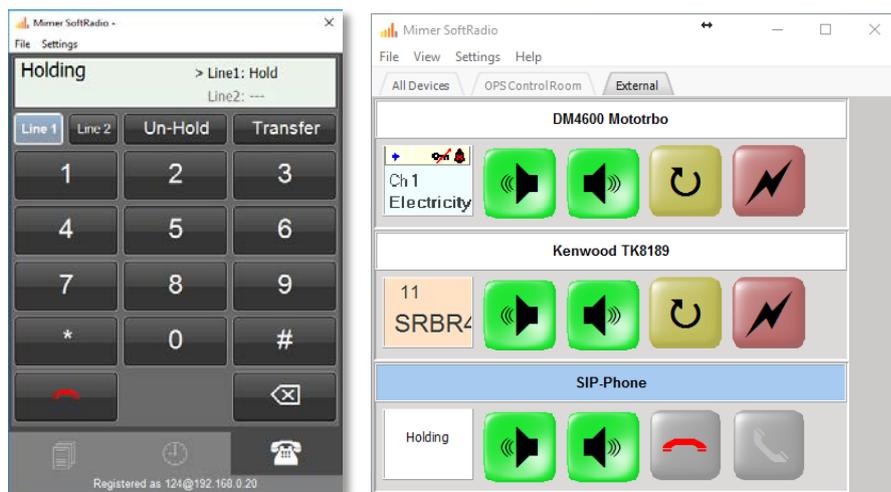
### 6.3 Placing a call on hold

While in a call you might need to pause the call or need to hand it over to another person. By pressing the “Hold” button your call is put on hold.

You can then make a transfer of the call as described below.

Or you can then select the other line and answer another incoming call or make a new outgoing call.

To cancel the hold state press the button marked “Un-Hold”



*Call on hold, marked with light blue colour*

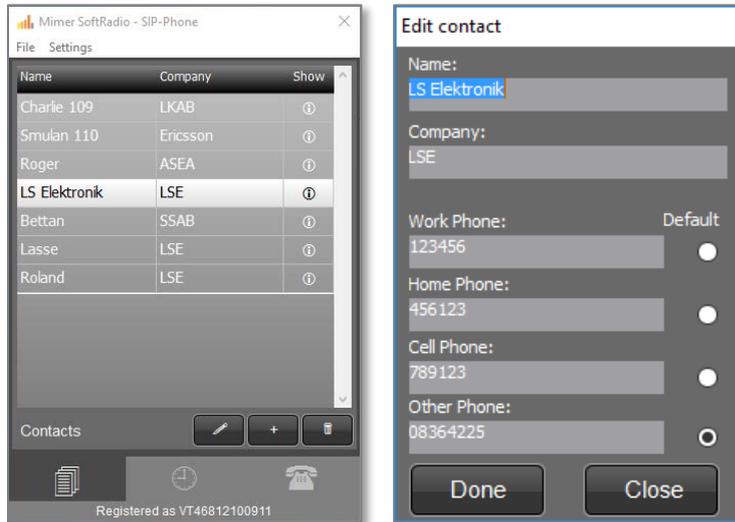
### 6.4 Transferring a call

You can transfer a call like this:

1. First put the current call on hold by pressing “Hold”.
2. Then manually enter the number of the other person who shall receive the call.
3. Finally press the “Transfer” button.
4. You are now immediately disconnected from the call and the exchange takes care of calling the other person instead.

## 6.5 Making changes in the contacts list

Each entry in the contacts list holds information about name and company for the contact and it can hold several phone numbers. One of the numbers is marked as a default (favourite) number. That number will be used when making a call by double-clicking on the entry in the contacts list.



### *Contact menu and edit contact menu*

To add a contact, simply press the plus sign button.

To update a contact, select the contact and then press the pen button.

To delete a contact, select the contact and then press the trash can button.

### 6.5.1 Default number

The number marked as default will be the number called when double clicking on a contact in the list.

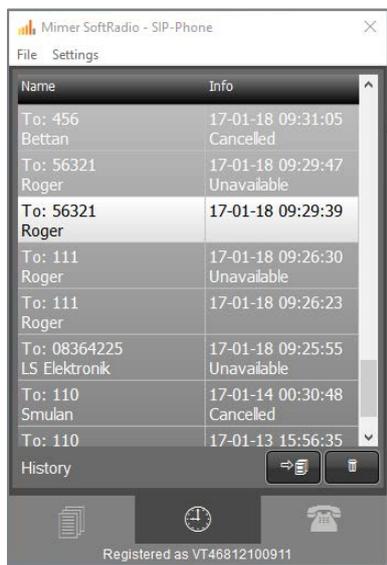
### 6.5.2 Copy of the list

The whole contact list can be copied from one PC to another by copy/paste of the file: MimerContacts.json

It is normally found in this folder: C:\Users\Public\Documents\Mimer

## 6.6 Using the call log (history list)

The call log will list both incoming and outgoing phone calls from your dispatcher. It will hold up to 100 entries.



### *SIP Call log window*

You can redial by double-clicking on an entry in the call log.

To make a new contact in the contacts list based on an entry in the call log, select the entry and then press the button with an arrow pointing on a list. Then add the name and company info in the contacts dialogue.

To delete an entry in the call log, select the entry and then press the trash can button.

## 7 Optional functions

### 7.1 Cross-Patching of calls

With the option **Mimer CrossPatch** installed, phone calls can be manually patched together with radio calls.

### 7.2 Recording of calls

With the server **Mimer VoiceLog** installed in your Mimer SoftRadio system all audio is recorded for both radio calls and phone calls. All recordings are marked with a date and time stamp.



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