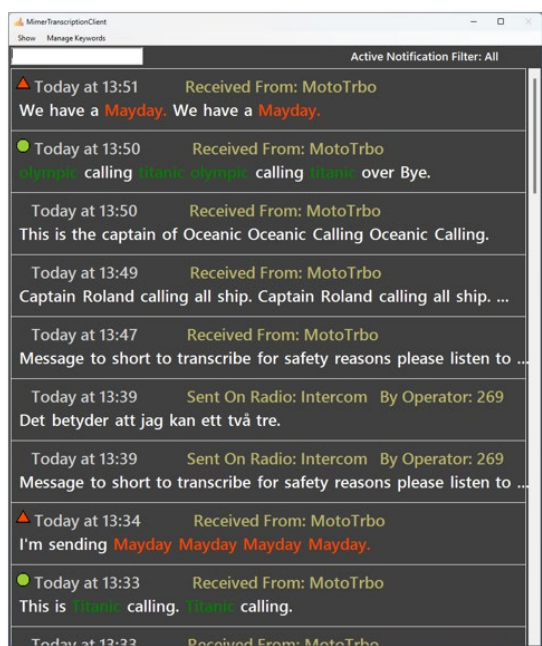**Connecting radios all over the world**

How to set up and use

Mimer Transcription

3479

Release date July 02, 2025

This guide will help with the installation and setup of your **Mimer Transcription** system.

Please also refer to the web pages www.lse.se, www.lse.se/voicelog, and the FAQ: Mimer FAQ - Mimer SoftRadio Knowledge Base

There is also a separate guide for the VoiceLog functions.

All manuals are found on: Technical Manuals Download

1   Index
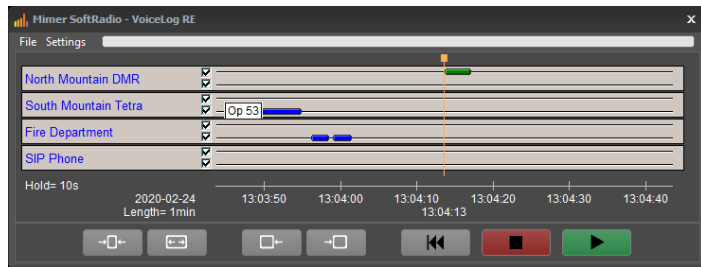
2 General

Mimer VoiceLog Server is a component in the Mimer family of products for network operated 2-way radios.

Basically, the VoiceLog Server is used to record audio data to and from the IP-network connected radios and the dispatchers.

Example of VoiceLog panel with three radios and a phone connected and recordings made both from radio and from operator.

The VoiceLog is further described in a separate manual.

Mimer Transcription is an add-on product to the VoiceLog. It will give the dispatcher an immediate transcription of all radio conversations. It will also allow for high lighting of words and search for words in the conversations.

Important information:
Since all transcription is based on the AI´s best effort, a bad radio link or heavy accent might give false transcription information. Therefor you should always rely more on the recorded audio information.

3 Installation

3.1 Needed software

To run the Transcription, you need to already have the Mimer VoiceLog or Mimer VoiceLog LE running. Version 4.1 or later. (see separate manual)

The dispatcher SoftRadio software needs to be version 4.5 or later.

The transcription add-on to the VoiceLog server and to the dispatcher client should be delivered on a USB stick or as a download.

3.2 Recommended hardware

The transcription AI is a "heavy process" that requires a good GPU processor.

We recommend the following, or better:

Component	Specification
CPU	AMD Ryzen 7 5700X *or* **equivalent** (Intel Core i7 or higher / AMD Ryzen 7 or higher)
RAM	Minimum 16 GB
GPU	NVIDIA RTX 4070 *or* **equivalent** (NVIDIA RTX 30-series or higher recommended)
Operating System	Windows 11 (64-bit)

Please also check our web page for updated details.

4   Installation of server

Stop the VoiceLog service using Task Manager.

Install the software package "TranscriptionService" from the supplied USB stick (or download) on the VoiceLog server.

Restart the VoiceLog service. The TranscriptionService should now start automatically at the same time.

After installation of the server software, and restart of the VoiceLog, it will run automatic in the background.

All radios and operators that are recorded by the VoiceLog will also be transcribed and the text messages saved in the same database as the voice messages.

No further settings are needed.

4.1   Installation of client

Install the software package "TranscriptionClient" from the supplied USB stick (or download) on each dispatcher client that shall have the function.

Restart the SoftRadio client. The TransciptionClient should now start automatically at the same time.

5 Client configuration

After installation of the client software and restart, the TranscriptionClient window will be presented as a separate window alongside SoftRadio.
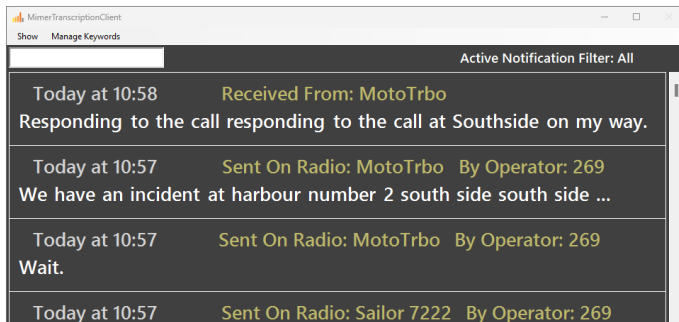
Here all messages will be presented in plain text. There is basic information on date and time, and what radio that received the message.

You have the possibility to search for words, highlight words and to listen to the messages.

5.1 Keywords

The keywords are divided in "User keywords" and "Preconfigured keywords". Each user can configure the User keywords freely at any time.

Words that are placed in a group (green, yellow, red) will be shown in the corresponding colour when a message with that word comes in.

Typical for Green Info words would be to enter the names of the ships that you are working with, to get a highlight when they are mentioned.

Typical for Yellow Alert words would be small problems like reports of obstacles.

Typical for Red Danger words would be "Emergency" and "Mayday" if they are not already entered in the pre configuration. Incoming red words gives

an alarm signal and forces the operators to act.
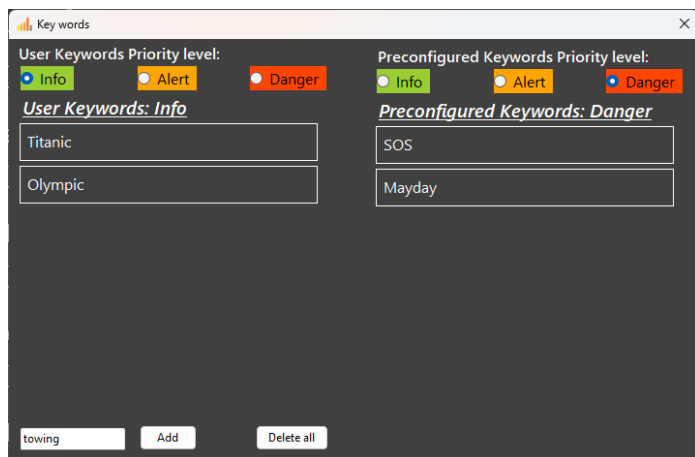
Key words menu

5.2   Manage user keywords

Open the Manage Keywords window, select colour and enter the keyword that you would like at the bottom, push add.

You can add as many as you like.

The words are saved in a J-son file and can be copied between clients. The file is found here:
C:\Users\Public\Documents\Mimer\TranscriptionSettings.json

5.3   Manage preconfigured keywords

These words are placed in the same J-son configuration file as above and are only meant to be changed by the system administrator. The file can also be manually copied between dispatcher PC´s.

The file is found here:
C:\Users\Public\Documents\Mimer\TranscriptionSettings.json

Example:

"KeyWords": {

  "Info": [],

  "Alert": ["Help"],

  "Danger": ["SOS", "Mayday"]

}

You may edit the words within each of the brackets. Make sure to use ""
around each word.

6   Running the application

6.1   Transcription

A few seconds after a radio call was made the transcription will appear on the screen. If there are key words in the message thay will be highlighted. If there are two words with different colour, the higher priority level will be shown for both.
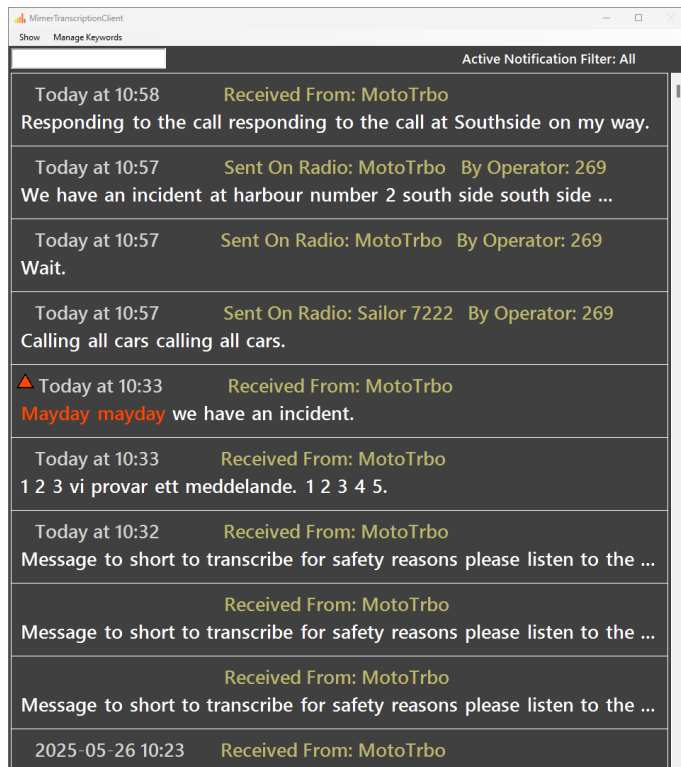
6.2   Search for words

You can always search for a word in the box to the top left of the transciption window. Entering a word here means that only messages including that word will be shown.

6.3   Sorting of messages

Under "Show" you can select to sort out all messages or only messages with a certain priority.

6.4   Replay

Clicking a message will bring forward a more detailed information about the message. It will also give a Play key, for instant replay of the message.

Since all transcription is based on the AI´s best effort, a bad radio link or heavy accent might give false transcription information. Therefor you should always rely more on the audio information.
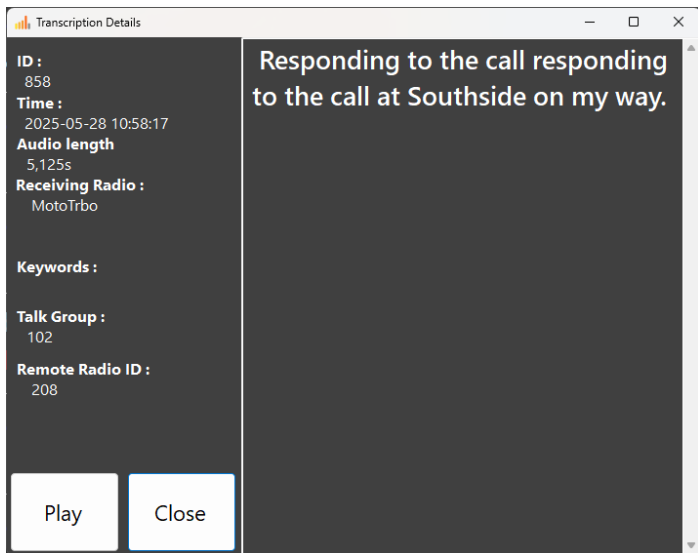
6.5 Incoming Red-Danger messages

When a Danger message is received the replay window will popup automatic and a warning signal will be heard. The warning signal will only stop when one dispatcher acknowleges it. It is also mandatory to listen to the recording before closing the window.
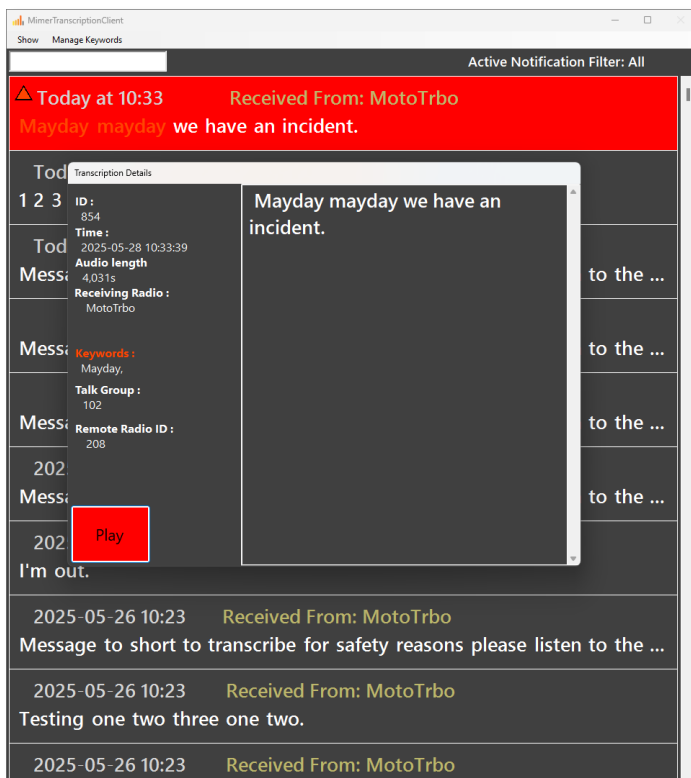
6.6 Short messages

Messages under 500ms will not be presented in text. The AI can not do a proper transcription of those. The recording will still be there with the text

"Message to short to transcribe…" and you can listen to the message if needed.
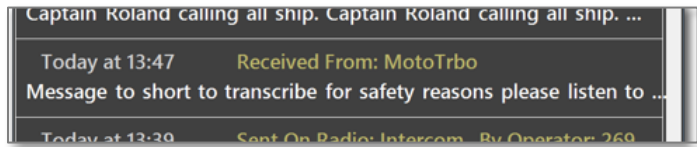
7 Advanced functions

7.1 Edit of the shown name

Normally the name that shows up as "Received From" will be the name given in the Network Interface, the same name that is also shown for the device panel in SoftRadio.

When another operator is transmitting the operator number will show up, without a name. (Operator name is not known to the VoiceLog, only the ID number)

The Radio name can be changed and the operator name can be entered by setting an Alias in the configuration file.

The file is found here:
C:\Users\Public\Documents\Mimer\TranscriptionSettings.json

Example:

"Devices": [

  {

    "MimerID": 186,

    "Name": "Racing/Equine",

    "Visible": true

  },

  {

    "MimerID": 187,

    "Name": "Security/Ops",

    "Visible": true

  }

]

You can add any number of entries in the file. Each device entry should include:

- **MimerID**: The ID of radio or operator as configured in ConnectionSetup.

- **Name**: An Alias display name of your choice.

- **Visible**: Must always be set to true.

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