

MirAI User Manual

Installation Guide	1
Prerequisites	1
Clone the Repository	1
Set up Python Environment	1
Set up MongoDB and Ollama	2
Start the Frontend	2
Access the Admin Panel	2
User Guide	2
1. Getting started	2
2. Create Agent	2
3. Start conversation	3
4. Setup Picovoice (Speech Recognition & Wakeword)	3

Installation Guide

Prerequisites

- OS: Linux / Windows (with Docker support)
- Python = 3.11.3
- Git
- Optional: GPU (for local LLM processing)

Clone the Repository

```
git clone https://gitlab.com/computing.dcu.ie/choac2/2025-csc1097-mer-ai.git
cd mirai
```

Set up Python Environment

```
cd backend
make install
```

Set up MongoDB and Ollama

With docker running

```
make db-up  
make ollama-up
```

Launch the Server

```
make start
```

Start the Frontend

```
cd frontend/mirai-ui  
npm install  
npm start
```

Access the Admin Panel

http://localhost:5000 for the backend

http://localhost:3000 for the frontend

User Guide

1. Getting started

- Navigate to Settings
- Head to Model Tab and pull a model.
- After model is downloaded, head to LLM Configuration, and create a LLM Configuration

2. Create Agent

- Navigate to Agent Configuration
- Create a new agent
 - You can upload custom voice, profile picture and personality.

3. Start conversation

- Navigate to Conversation
- Start a new conversation, selected any existing agent.
- Congratulation, you can start chatting with your personal assistants.

4. Setup Picovoice (Speech Recognition & Wakeword)

- Register a picovoice account on <https://console.picovoice.ai/>
- Insert access key in Settings tab