

RIVO MULTITRADE OPTICAL SYSTEMS

How to use XiaoZhi AI on a local server



Overview

This document provides instructions for deploying the xiaozhi-server platform. com/xinnan-tech/xiaozhi-esp32-server to deploy a local server and establish a connection with the ESP32 S3 WROOM. If you encounter any bugs in the code during use, please submit an issue at. XiaoZhi AI is an open-source intelligent voice robot based on ESP32-S3 development, integrating wake word detection, AI conversation, device control, and multi-protocol communication capabilities. If the network configuration page does not automatically redirect, you need to manually open the browser and visit Through this project, we aim to help more people get started with AI hardware development and understand how to integrate rapidly evolving large language models into actual.

Article Content

Installation and Deployment | xiaozhi-labs/xiaozhi-server | DeepWiki

This document provides instructions for deploying the xiaozhi-server platform. It covers Docker-based deployment, environment setup, and initial system verification.

Local Server — fnk0102-docs v1.0.0 documentation

In this section, we will use the open-source project at github /xinnan-tech/xiaozhi-esp32-server to deploy a local server and establish a connection with the ESP32 S3 WROOM.

XiaoZhi AI Chatbot Documentation Center | XiaoZhi v

XiaoZhi AI is an open-source intelligent voice robot based on ESP32-S3 development, integrating wake word detection, AI conversation, device control, and multi-protocol communication

Xiaozhi AI Application Tutorial

Almost all ESP32 products can be connected to the AI model, but it depends on how to use it. If the product has a microphone and speaker, it supports voice conversations. If not, you can only have

[Xiaozhi Intelligent Agent] Local Backend Setup (Single Server Version)

According to the official documentation for xiaozhi-esp32-server, the project mainly provides two deployment methods: Docker quick deployment (recommended) and local source code

[ai-chat-local-xiaozhi/README_en.md](#) at master

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Xiaozhi AI Tutorial — AIChatBot documentation

Connect your phone to the hotspot named Xiaozhi-XXXX. The configuration page should open automatically. If not, you can manually enter in

Building the Brain Behind Your ESP32: A Deep Dive

By connecting xiaozhi-esp32-server with Home Assistant, developers can bridge the gap between custom devices and mainstream smart

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[xiaozhi-esp32-server](#): Xiaozhi AI chatbot open source backend service ...

It is written in Python and based on the WebSocket protocol to help users quickly build a server to control ESP32 devices. This project is suitable for people who have already purchased

78/xiaozhi-esp32: An MCP-based chatbot

Large Model Configuration If you already have a XiaoZhi AI chatbot device and have connected to the official server, you can log in to the [xiaozhi.me](#) console

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Xiaozhi AI Application Tutorial

Click the link to download the project: XiaoZhi AI Chatbot2 Click the link to refer to the ESP-IDF environment setup tutorial: ESP-IDF Environment Setup Compile and flash after selecting the device

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We're on a journey to advance and democratize artificial intelligence through open source and open science.

GitHub

Resource Integration: Unified configuration and management of dozens of AI resources by company administrators, ready for use by team members.

xiaozhi-AI/docs/mqtt-udp.md at main · Flandre6/xiaozhi-AI

MQTT + UDP Hybrid Communication Protocol This document describes the MQTT + UDP hybrid protocol used between the device and the server, based on the current implementation: MQTT

Building the Brain Behind Your ESP32: A Deep Dive

Building Smarter IoT Systems with xiaozhi-esp32-server The world of IoT has always been... Tagged with ai, iot, esp32, programming.

Xiaozhi AI Tutorial — AIChatBot documentation

Xiaozhi AI Tutorial This project is based on xiaozhi-esp32. If you want to add your own features, you can follow the documentation for secondary development.

ai-chat-local-xiaozhi/README_en.md at master

AI Character Configuration If you already have a XiaoZhi AI chatbot, please refer to [AI Character Configuration](#) Backend Operation Video Tutorial For detailed usage instructions and test server notes, please refer

xiaozhi-ai/main/Kconfig.projbuild at master · jlego/xiaozhi-ai

Contribute to jlego/xiaozhi-ai development by creating an account on GitHub.

XiaoZhi AI Frequently Asked Questions

Server load: High demand on AI services can cause processing queues
Device processing: Limited processing power, especially on budget versions
Complex queries: Some questions require more

AI Voice Assistant Based on XiaoZhi AI — fnk0102-docs v1.0.0

Local Server Project: Originally created by “xinnan-tech”, this project was similarly forked and adapted by Freenove for Media Kit integration, licensed under MIT License. Supported Countries and Regions:

[xinnan-tech/xiaozhi-esp32-server](#) | DeepWiki

The xiaozhi-esp32-server project provides a complete backend service infrastructure for ESP32-based voice-enabled IoT devices. It implements real-time audio processing, AI model

CoreS3 / CoreS3-SE XiaoZhi Voice Assistant

4.Register for XiaoZhi AI 1.Visit the XiaoZhi AI Control Panel, register, and log in to your account. 2.Power on the CoreS3 and click the screen. For the first-time setup, the device must be awakened

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[unsupervised_topic_modeling/topics/en/13/100/100/topics](#)

Contribute to [annontopicmodel/unsupervised_topic_modeling](#) development by creating an account on GitHub.

[Getting Started | xiaozhi-labs/xiaozhi-server | DeepWiki](#)

Getting Started Relevant source files This page guides you through the initial deployment of xiaozhi-server, from prerequisites to a running system. It covers the quickest paths to get both the

[Installation and Deployment | xiaozhi-labs/xiaozhi-server | DeepWiki](#)

Installation and Deployment Relevant source files This document provides instructions for deploying the xiaozhi-server platform. It covers Docker-based deployment, environment setup, and

Tutorial on Deploying Xiaozhi Chatbot with Raspberry Pi

1. Create a py-xiaozhi virtual environment (Python version restriction: It is recommended to use Python 3.9.13+ version, with a maximum recommended version of 3.12) `conda create -n py`

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