espressif/esp-bsp/docs/en/getting_started.md Latest commit ea1ba17 Merge pull request ... History

en 6 contributors

- 中文版本

The guide is applicable to ESP32-S3 BOX-Kits and ESP32-S3-BOX-Lite-Kits with the latest version of firmware flashed. They are collectively referred to as BOX series of development boards in this guide.

Getting Started

The BOX series of development boards integrated with ESP32-S3 SoCs provide a platform for users to develop the control system of smart home products. The development boards support Espressif's voice control framework and Espressif's voice control solutions. Espressif's BOX series of development boards come with the factory firmware that supports voice wake up and offline speech recognition both in Chinese and English. The ESP-BOX SDK features reconfigurable AI voice interaction, allowing you to customize commands to control home appliances. The SDK also provides a set of easy-to-use APIs for exclusive and you can do with the latest version of firmware to help you get started. After you read through the guide, you may start developing or application by yourself. Now, let's begin!

The BOX Kit contains:

ESP32-S3-BOX	ESP32-S3-BOX-Lite
A main unit that can work on its own	A main unit that can work on its own
An RGB LED module and Duplex antenna for testing	An RGB LED module and Duplex antenna for testing
Dock, an accessory that serves as a stand for the main unit	N/A

Required Hardware:

Please find yourself a USB-C cable.

Connect the RGB LED Module to Your Device

Please refer to the pin definition table, and connect the RGB LED module to the BOX using DuPont wires. The module has four male pins, 5, 3, 2, and GND. Please connect them to the female ports G38, GND, GPI, and GND on PMOD 1.

PMOD Interface Layout
Mic1
Mic2
Mic3
Mic4
Speaker
ESP32-S3-BOX-Lite
PIN
ESP32-S3-BOX
5V
5V
3V3
3V3
GND
GND
GND
GND
GND
GND
GND
GND
PMOD
Pin1
Pin2
Pin3
Pin4
Pin5
Pin6
Pin7
Pin8
Pin9
Pin10
Pin11
Pin12
Pin13
Pin14
Pin15
Pin16
Pin17
Pin18
Pin19
Pin20
Pin21
Pin22
Pin23
Pin24
Pin25
Pin26
Pin27
Pin28
Pin29
Pin30
Pin31
Pin32
Pin33
Pin34
Pin35
Pin36
Pin37
Pin38
Pin39
Pin40
GND
5V
5V
3V3
3V3
GND
GND
GND
GND
GND
GND
GND
GND