ESP32 Help Instructions

Thank you very much for purchasing our products, if there are any questions, please feel free to contact us via Amazon or Email, Email: help@aokin.vip, we will do our best for you.

From this link: https://github.com/aokindiy/document can get this ESP32 help instructions electronic document.

Connect the cables:
Use the Micro USB cable to connect the PC and the ESP32 development board, and confirm the COM port of the chip from the Windows Device Manager.

For make WiFi and Bluetooth functions are working great. It's important to ensure the boards have sufficient power when using WiFi or BT, **so be sure to use a USB port on your PC or a powered hub, and not an unpowered hub.**

Note: MAKE SURE YOUR USB CABLE IS FOR DATA, NOT ONLY CHARGING!

Getting setup in Arduino IDE:
Initial setup you needed to install a driver for a SI Labs CP210X USB driver chip and install the board in the Arduino software. Once that's done, select Node32s as the board, and you're set.

That may exist some customer upload a program from the Arduino IDE, **need to keep the "Boot" button pressed until the upload begins, then release it. Otherwise the upload fails,** some people think it is caused by platform io issues.

CP2102 Driver:
http://www.silabs.com/products/development-tools/software/usb-to-uart-bridge-vcp-drivers

Related resources link:
For NodeMCU:
https://github.com/Nicholas3388/LuaNode
https://github.com/nodemcu/nodemcu-firmware/tree/dev-esp32
For Arduino:
https://github.com/espressif/arduino-esp32
Andreas Spiess did a good video about how to use the ESP32 in the Arduino IDE: https://www.youtube.com/watch?v=DgaKlh081tU
For specific module performance, please refer to the technical specification of the ESP32-WROOM-32 module:
https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32_datasheet_en.pdf
Product use reference link, hope it can help you:
https://github.com/SmartArduino/SZDOITWiKi/wiki/ESP8266---ESP32

Note:

Please refer to the product size and pin labeling pictures.

1.This ESP32 Board has 30 pins instead of 38 pins, so some GPIO pins are not brought out: GPIO 0, and 6-11.

2.This board is wider between the two rows of pins than the NodeMCU-32S, wider than standard breadboard row pitches so does not fit a single standard breadboard, but easily s olved by using two breadboards side-by-side, or use jumpers to address this issue.