

espressif/usb_host_hid

1.1.0 Latest

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USB Host HID driver

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Targets esp32s2 esp32s3 esp32p4 esp32h4 linux

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To add this component to your project, run:

```
idf.py add-dependency "espressif/usb_host_hid^1.1.0"
```



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CHANGELOG

All notable changes to this project will be documented in this file.

The format is based on [Keep a Changelog](#), and this project adheres to [Semantic Versioning](#).

[1.1.0] - 2026-01-09

Fixed

- Fixed a vulnerability with overwrite freed heap memory during `hid_host_get_report_descriptor()`
- Fixed race condition in `hid_host_device_close()` that could lead to double-free and list corruption under concurrent close/disconnect

Added

- Added a limitation for the HID report descriptor size to a maximum of 2048 bytes
- Added global suspend/resume support

[1.0.4] - 2025-09-24

Added

- Added support for ESP32-H4

[1.0.3] - 2024-08-20

Fixed

- Fixed a bug with interface mismatch on EP IN transfer complete while several HID devices are present
- Fixed a bug during device freeing, while detaching one of several attached HID devices

[1.0.2] - 2024-01-25

Added

- Added support for ESP32-P4
- Fixed device open procedure for HID devices with multiple non-sequential interfaces

[1.0.1] - 2023-10-04

Added

- Added `hid_host_get_device_info()` to get the basic information of a connected USB HID device

Fixed

- Fixed a bug where configuring the driver with `create_background_task = false` did not properly initialize the driver. This lead to `the hid_host_uninstall()` hang-up
- Fixed a bug where `hid_host_uninstall()` would cause a crash during the call while USB device has not been removed

[1.0.0] - 2023-06-22

Added

- Initial version