

CODE

Setup

i2s_audio:

- id: i2s_in
- i2s_lrclk_pin: GPIO26 #WS / LRC
- i2s_bclk_pin: GPIO25 #SCK /BCLK

microphone:

- platform: i2s_audio
- adc_type: external
- pdm: false
- id: mic_i2s
- channel: right
- bits_per_sample: 32bit
- i2s_audio_id: i2s_in
- i2s_din_pin: GPIO33 #SD

speaker:

- platform: i2s_audio
- id: my_speaker
- dac_type: external
- i2s_dout_pin: GPIO27 #DIN
- mode: mono
- i2s_audio_id: i2s_in

voice_assistant:

- microphone: mic_i2s
- id: va
- noise_suppression_level: 2
- auto_gain: 31dBFS
- volume_multiplier: 4.0
- use_wake_word: false
- speaker: my_speaker

on_error:

- if:

condition:

switch.is_on: use_wake_word

then:

- switch.turn_off: use_wake_word

- switch.turn_on: use_wake_word

on_client_connected:

- if:

condition:

switch.is_on: use_wake_word

then:

- voice_assistant.start_continuous:

on_client_disconnected:

- if:

condition:

switch.is_on: use_wake_word

then:

- voice_assistant.stop:

binary_sensor:

- platform: status

name: API Connection

id: api_connection

filters:

- delayed_on: 1s

on_press:

- if:

condition:

switch.is_on: use_wake_word

then:

- voice_assistant.start_continuous:

on_release:

- if:

condition:

switch.is_on: use_wake_word

then:

- voice_assistant.stop:

switch:

- platform: template
- name: Use wake word
- id: use_wake_word
- optimistic: true
- restore_mode: RESTORE_DEFAULT_ON
- entity_category: config
- on_turn_on:
 - lambda: id(va).set_use_wake_word(true);
 - if:
 - condition:
 - not:
 - voice_assistant.is_running
 - then:
 - voice_assistant.start_continuous

on_turn_off:

- voice_assistant.stop
- lambda: id(va).set_use_wake_word(false);