

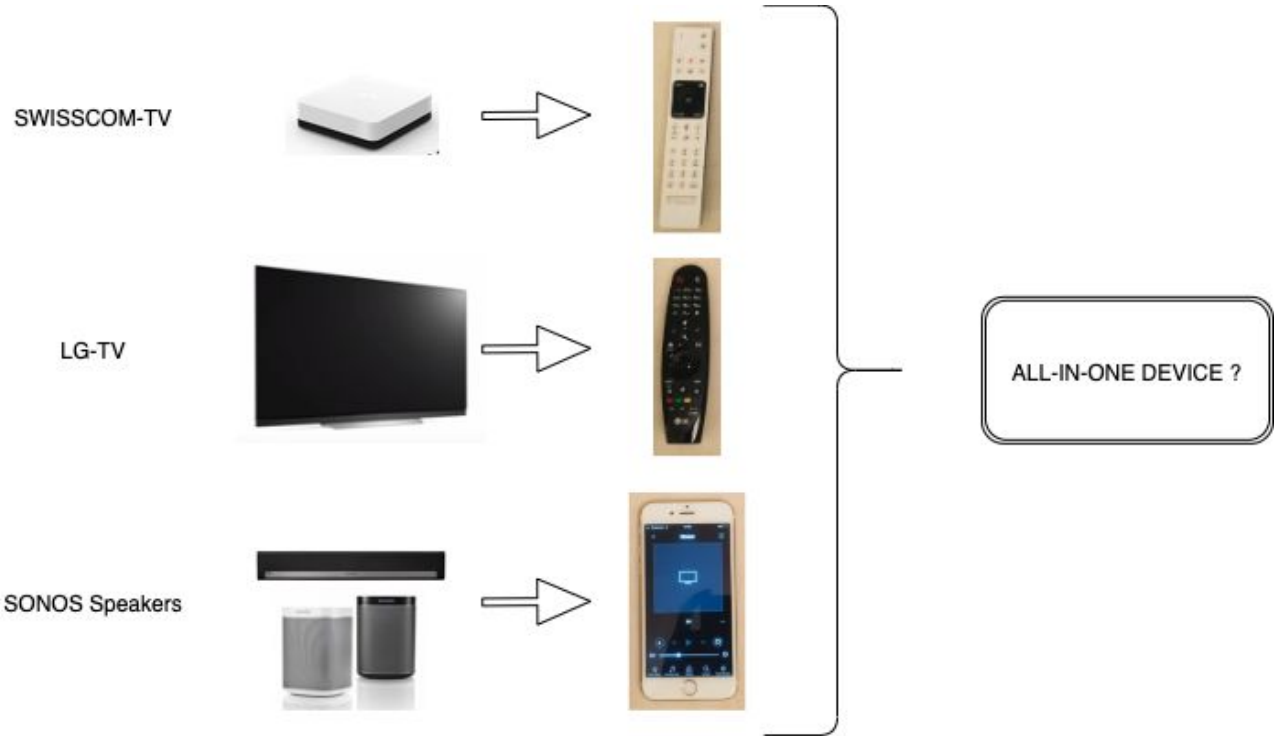
Senior Media Controller

lot-Projekt HS19

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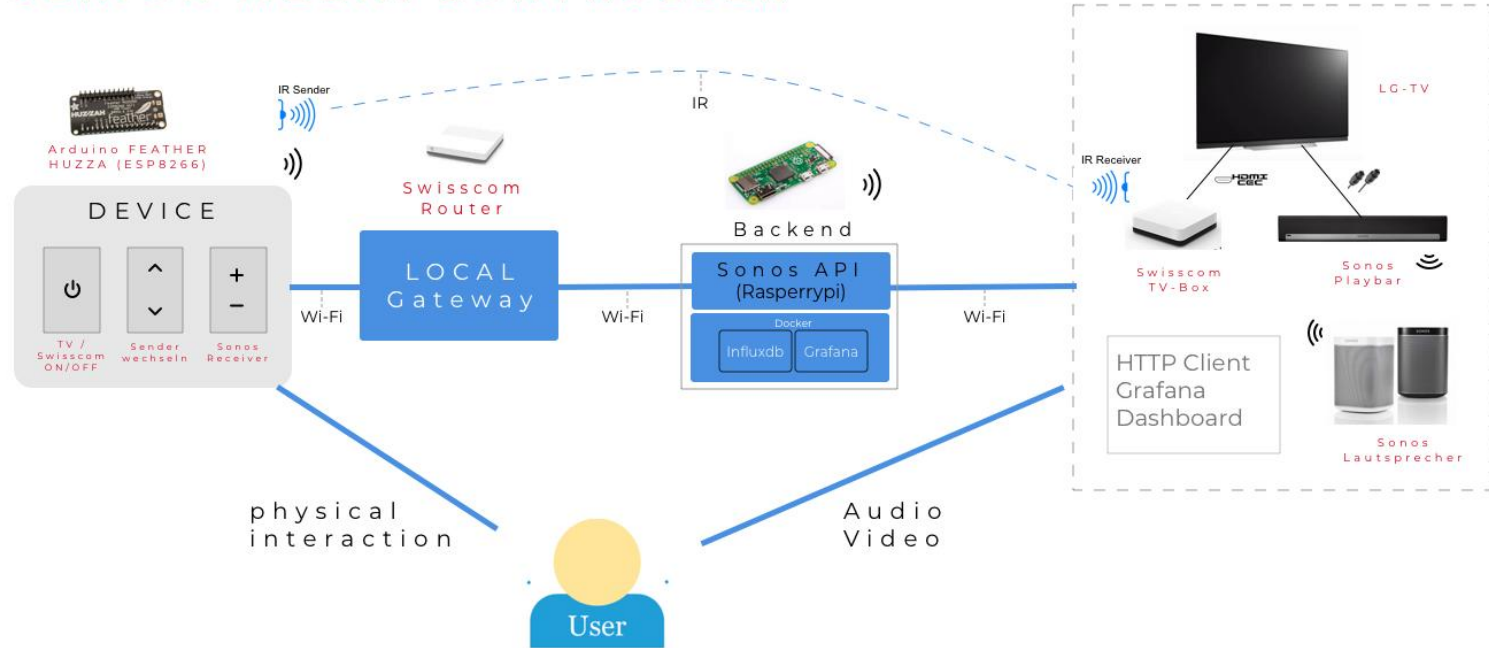
Usecase

Senior, 78, möchte
seine Swisscom-TV
und Sonos
Lautsprecher Anlage
mit einem einzigen
Gerät bedienen
können.



Referencemodel

SENIOR MEDIA CONTROLLER



Interface documentation

Sonos API

Host: Sonos API Server

Port: 5005

GET /Fernsehzimmer/volume/VALUE

VALUE = Volume

InfluxDB API

Host: InfluxDB Server

Port: 8086

POST /write?db=iotdevicelogs

Contenttype: application/x-www-form-urlencoded

requestBody: 'iotdevicelogs,method=changeVolume,status=ok value=20'

IR Swisscom-TV - Arduino

Protocoll: NEC

Freq: 38khz

Power On/Off: `SwisscomPower[28] = { 0x0000, 0x006B, 0x0000, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x000C, 0x0D58 }`

Program Up: `SwisscomProgUp[26] = { 0x0000, 0x006B, 0x0000, 0x000B, 0x000C, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x000C, 0x0018, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0D64 }`

Program Down: `SwisscomProgDown[26] = { 0x0000, 0x006B, 0x0000, 0x000B, 0x000C, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x0018, 0x000C, 0x0018, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 0x0018, 0x000C, 0x000C, 0x0D64 }`

Issues

Keine Bluetooth API Dokus zur Swisscom-TV

- Alternative: IR Dongles der Swisscom-TV

Keine Dokus zur IR Codes

- Swisscom-Community Blog

Poti - Range - linear

- offen