

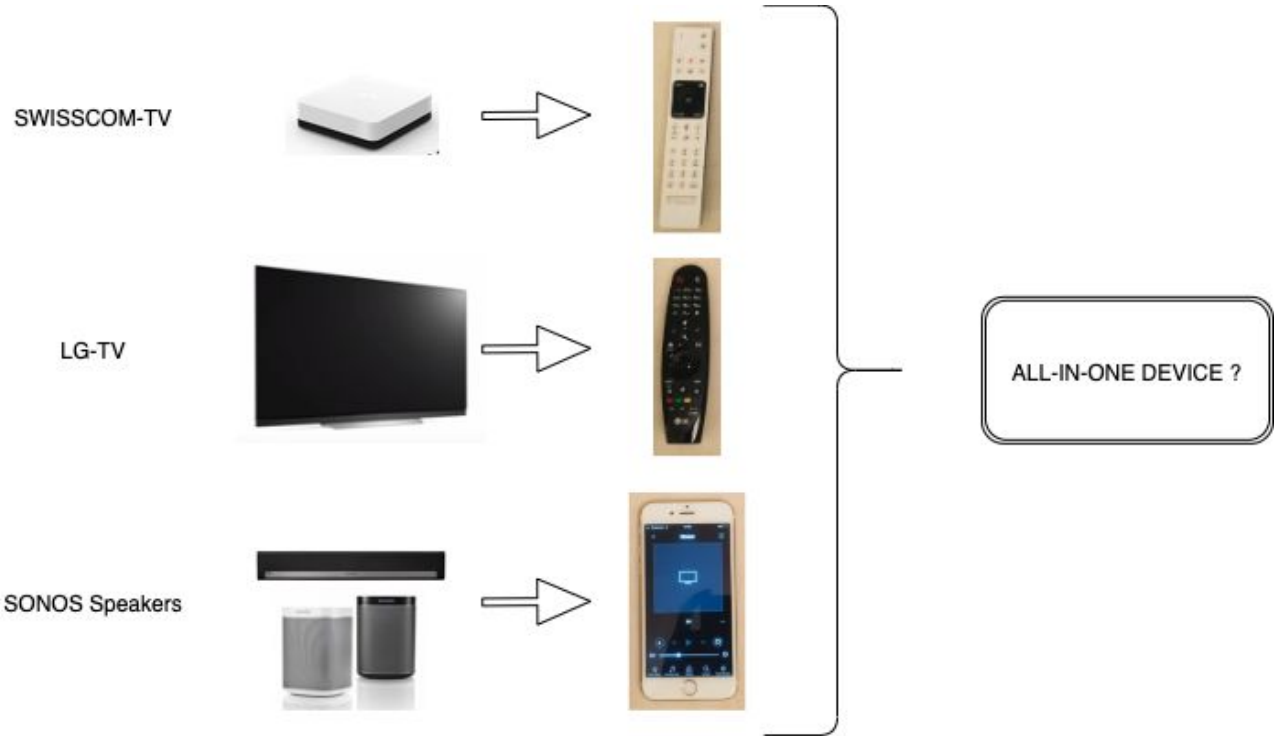
# Senior Media Controller

lot-Projekt HS19

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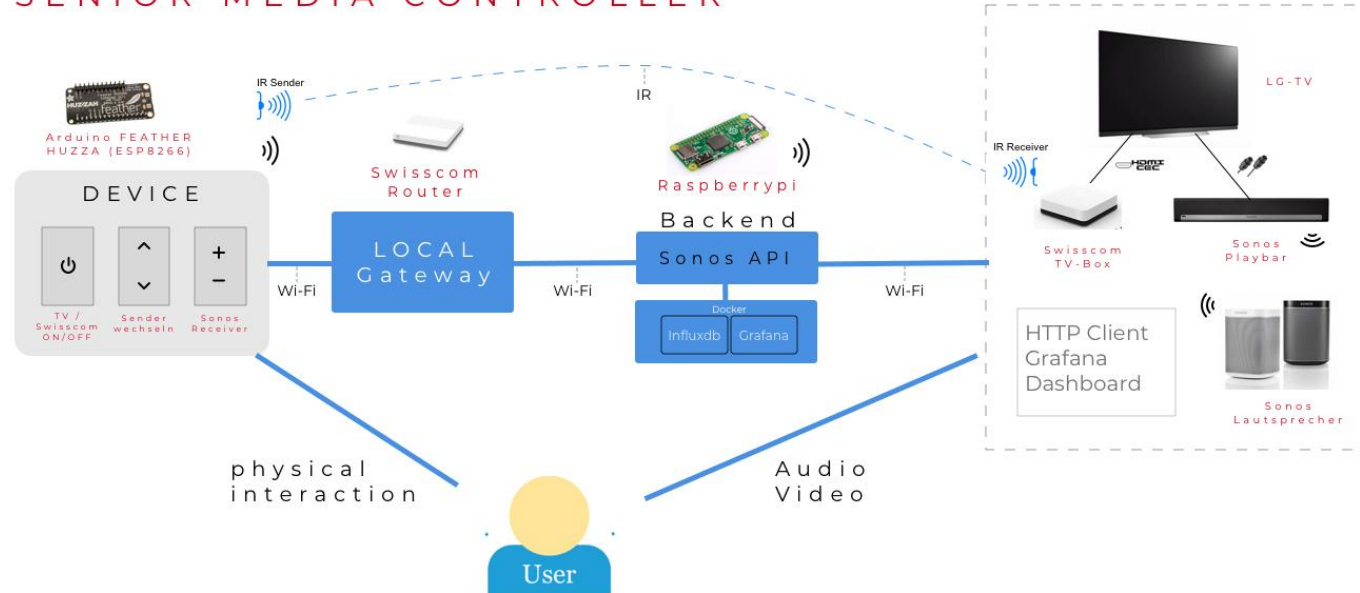
# Usecase

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, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 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, 0x0018, 0x0018, 0x000C, 0x000C, 0x0018, 0x0018, 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