

# Universal IR Remote Control

Science Hack 2019

- Universal IR Control
- Compatible to most general purpose IR controlled devices
- Stackable/chainable commands
- Extendable for other features

# Why an Universal Remote Control?

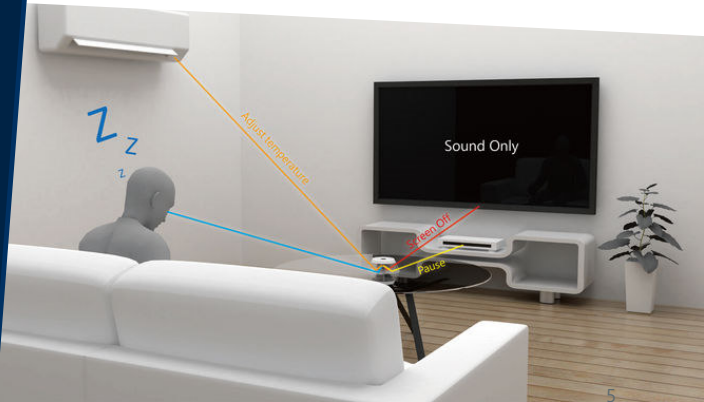




# Why an Universal Remote Control?



- Control Applications:
  - Automated Garage Gates
  - Lighting Control
  
- Interface for Smart Devices
  - Closed Eye Detection for TVs
  - WiFi Lighting Control
  
- Device Function Extender
  - External Sleeping/Alarm Timer
  - Human Centric Lighting
  
- (and also, of course –  
easier life for MediaMarkt Employees)



- Leverages IoT & Smart Home Applications
- Supports energy savings in household
- Reduction of required remote controls (especially large-scale applications)
- Preservation of resources



**GUI**

Screen Control

Graphics

GUI Application

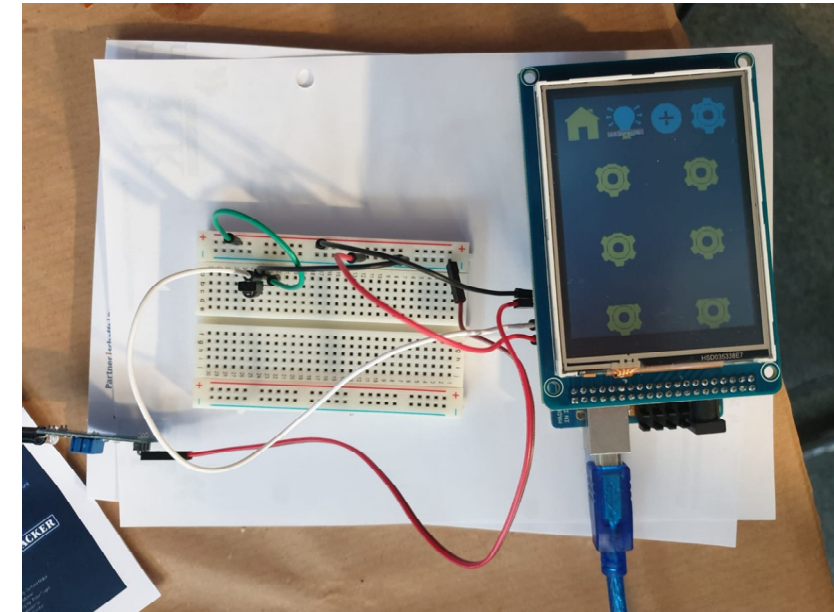
INTEGRATION

IR Application

**IR  
Device**

IR-Remote Driver

IR Communication Peripheral



- Scanning & imitation of up to 6 IR devices, with up to
- 6 commands per device,
- of most common manufactures
- Execution of more complex command chains
- **PARTY MODE!**



And Now..



PARTY

ON!