

This checklist is intended as a list of things to consider when planning the wiring and installation of a Loxone Smart Home.

## Rough Installation

*As soon as framing is done*

### Distribution

- One panel on each floor (size depends on devices used)
- Electricity meter for energy monitoring (optional)
- Power connection from the electrical panel to the Loxone panel
- Connection between the Loxone panels with two CAT7 cables
- Consider an additional panel for garden / pool / pool house
- Rack for Media, Music, Ethernet
- Ethernet Connection from the Loxone Panel to the Network rack

### Wiring sensors for each room

- Motion Sensor for lighting, heating, security,...
- Push Buttons by Code (Loxone Touch recommended)
- Temperature & Humidity Sensor (integrated in Loxone Touch)
- Contacts on external doors and garage doors (wired or wireless)
- Contacts on windows for security and climate (wired or wireless)
- Connection to the smoke detectors home-run to panel

### Wiring for lighting

- 5-conductor-cables for ambient colored lights home-run to the panel
- Standard cable (e.g. Romex) for each circuit of regular lights (dim or switchable) home-run to the panel
- IC Rated housing by Code

### Wiring for music

- Speaker cable home-run to the music distribution
- Speaker Back Box on the ceiling (important for improved sound quality)

### Wiring for shades

- At least 4 conductors home-run to the panel
- Use a regular motor (recommended)

### Wiring for Climate

#### HVAC

- Dampers: thermostat wire from each damper home-run to the panel
- HVAC Unit: thermostat wire to the panel

#### Radiators

- CAT7 cable to hot water distribution for valve actuators
- Wire the circulation pump into the panel

#### AC

- Main Unit (CAT7 home-run to the panel)
- Split Unit - IR Control Air (you just need a power outlet)

### Wiring for outdoor

- Wiring for an intercom at the entrance (Ethernet-cable to switch)
- Wiring for outdoor lighting (trees, wall washer, ...)

### Further wiring

- TV - two Ethernet cables to media panel
- Wire from Fireplace to panel
- Bathroom Fans home-run to the panel
- Ceiling Fan (if dimmable additional conductor is necessary) home-run to the panel
- Ethernet cables for cameras
- PV system connection to ethernet and prepare on the Roof
- Wiring for switchable sockets (optional)
- Wiring for electric door strikes (CAT7)
- CAT from the garage door motor to the panel
- Wifi access points on each floor
- Wiring for USB charger for Wall Mount
- Wallbox for Electrical Car (Ethernet and Power)
- Socket for vacuum cleaner androbot in laundry
- Magnetic Valve for main water line (optional)
- Water irrigation system (optional)

## Final Installation

*After drywall installation is complete*

Install all the components like

- Motion Sensor
  - Loxone Touch
  - LED Spots/Lights
  - Intercom
  - Speaker and Music Server
  - Water Sensor
  - Remote Air
  - IR Control Air
  - Window and Door Contacts
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- Set up visualization users for customer and your company

- Do a hardware check and test each sensor, light and fixture,...
- Do Auto Configuration in Loxone Config
- Test your configuration by clicking each push button, playing music via the speakers
- Check application about settings of rooms and categories and simplicities
- Setup basic functionalities and lighting scenes
- Do a function test through the house
- As soon as internet access and final router is ready test and set up remote access

## Settlement

- Install the Loxone App on the devices of your customer
  - Show your customer how to control the home and for example how to create lighting scenes
  - Let the customer set his personal temperature and lighting scenes
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- Leave your contact details for further sales opportunities
  - Offer update and service agreement
  - Arrange an optimization visit in two months (Let customer know to take notes for each registered further feature or question or problem)

## Optimization Visit

*Two months after settlement*

- Ask your customer about their experience and do small adaptations
  - Do further feature adaptations (upselling)
  - Enrollment to the Loxone App
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- Keep in touch with the update and service agreement
  - Offer new extensions and features