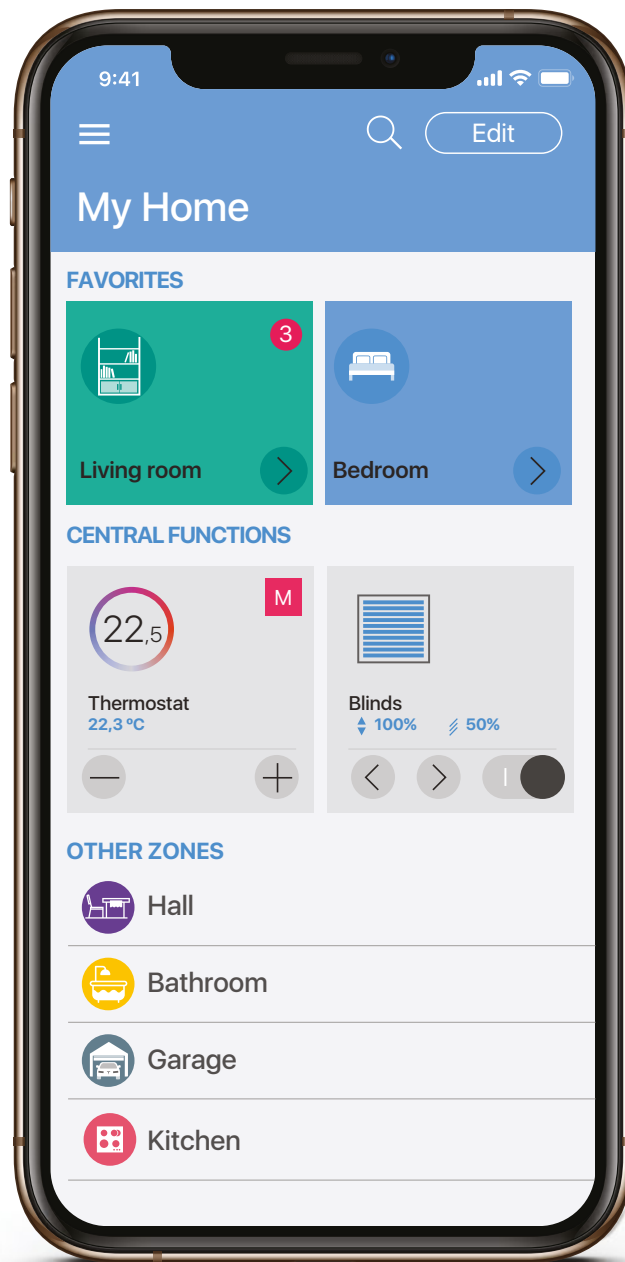


Karbonik®



Simplify control of your home!

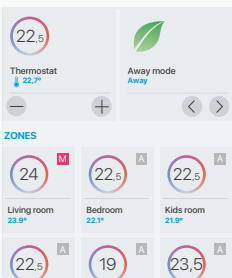


Smart home of new generation

Unique configuration and secure remote connection via cloud.

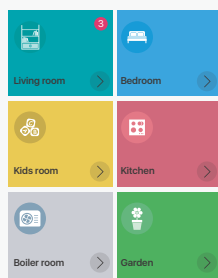


Zone control



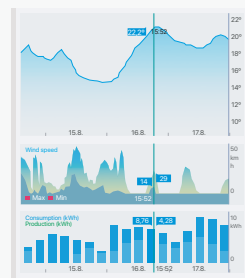
Temperatures in all rooms are displayed on a single screen.

Categories



Every screen is generated automatically, but customizable.

Charts and statistics



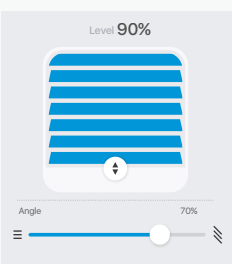
Store information from various devices in order to better understand physical processes.

Energy monitoring



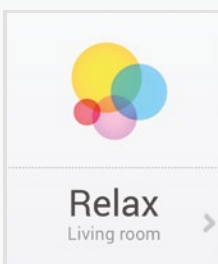
Temperatures and other device statuses are stored for analysis.

Blinds



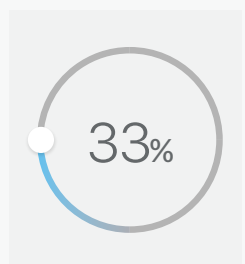
Blinds respond to brightness, position of sun or desired temperature.

Lighting



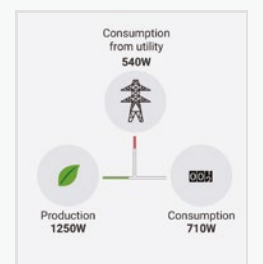
Multiple lights can be controlled with a single switch.

Air ventilation



CO2 sensor monitors air quality and adjusts performance of air ventilation accordingly.

Photovoltaics



Detailed statistics and priorities for energy usage are based on data from inverters and electric meters.

Reference projects



12 apartments in Wolfsthal, Austria

Three buildings with four apartments each, and one control unit serving all apartments. Apartment owners can see and access only devices within their apartment.

House in Bratislava, Slovakia

Air-water heat pump, Floor heating in 12 zones, Ceiling cooling in 8 zones, De-icing in 4 gutters, 17 blinds, Air ventilation control,



Apartments and hotel in Winterswijk, Netherlands

Karbonik floor heating foil in 48 apartments and 12 hotel rooms, Energy monitoring.



Shop with apartment in Naarden, Netherlands

Karbonik floor heating foil in 14 rooms, Energy monitoring. Ventilation & climate control in cellar.



Hotel in Lipno, Czechia

Heating foil in 157 rooms, Energy recovery ventilation in the whole hotel



Community Centre, Schiedam, Netherlands

Karbonik floor heating foil in 5 rooms, IR-Heating Panel control in 3 zones. Lighting control. Energy monitoring. Coupled with Photovoltaic system.



Office in Rijswijk, Netherlands

Karbonik floor heating foil in 4 zones in large office, Energy monitoring.

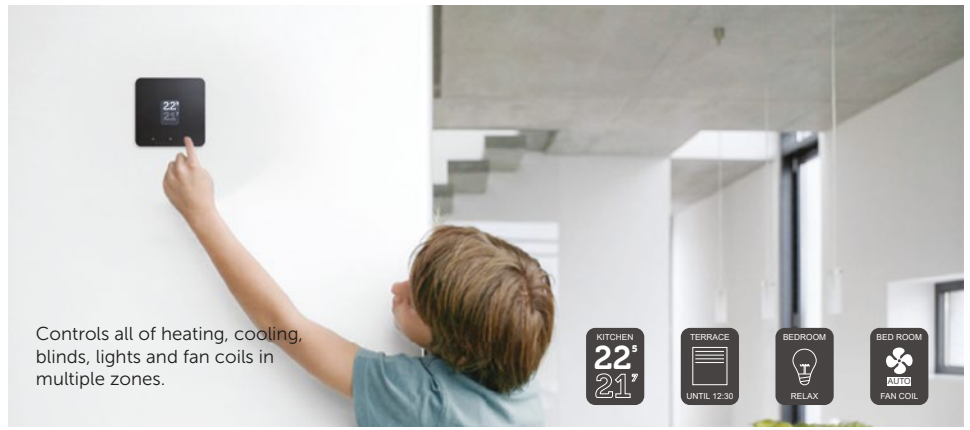


House in Brussels, Belgium

Karbonik heating foil in 3 rooms. Energy monitoring.



Multi-zone controller



Controls all of heating, cooling, blinds, lights and fan coils in multiple zones.



Core

Central control unit. Linux computer with communication interfaces.



Outdoor sensor

Protects blinds from strong wind and measures sunshine radiation.



12 DO Module

Relay module controls heating valves, blinds motors and lights.



12 LED / OC Module

Dimming of low voltage LED lights or switching of relays.



KNX Gateway

Visualisation and programming interface for KNX.



DALI Gateway

Communication interface for lights with DALI ballasts.



2 UI Bus Module

Reads data from 2 temperature sensors or push buttons.



Floor temperature sensor

Well protected temperature sensor with 3m cable.



CO2

Measures air quality.



24 UI Module

Gathers inputs from light and blinds switches, temperature sensors and motion sensors.



8 DIM Module

Dimmer for 220 – 240 VAC LED lights.



4 AO Module

Controls air ventilation intensity and light dimming



4 UI / 2 DO Bus Module

Controls blinds or lights.



6 UI / 6 OC Bus Module

Reads data from 6 temperature sensors or push buttons. 6 outputs for LED indicator lights.



Room temperature sensor

Fast response time, 3mm size.



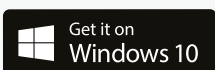
Humidity sensor

Relative air humidity and temperature.



Demo

Try our demo app. Search for TapHome Official.



System is compatible with light switches ABB, Schneider, Legrand, Niko or any other manufacturer. You choose.



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