

Imagine...

Waking up in the morning,
with a soft warm light
that rises up slowly
like a sunrise.

A while before the alarm rings,
the towel warmer turns on,
reheating the towel, and the bathroom,
to help you start the day.

And when you leave the house,
for a day's work,
or for a long vacation,

She turns off the lights,
closes the curtains and shades,
lowers the thermostat
and activates the alarm,
to save energy,
and keep the house,
while waiting for your return.

And in the evening,
when you arrive back home,
she turns on the lights,
warms up the house,
and opens the curtains,
to let the last sunshines in.

As the night falls,
the night-lights turn on,
lighting up the corridors, balcony and garden,
begging you to take a drink outside.

Lighting, heating or air-conditioning,
wherever you go in the house,
she welcomes you with the best comfort.

That's what Daisy and the other room-managers do
in a Room Service home automation system.

home automation system
Room Service
simplifies your life

Room-Service System



In a Room Service system, each room is managed by a room manager, in charge of controlling heaters, lightings and other electrical appliances automatically,

- **based on your presence**

For the best comfort when you're there, and to save energy while you're away. The room-manager sets the thermostat to a comfortable level when you arrive, and turns on the lights when it's necessary.

- **as necessary**

When it's getting dark outside, the room-manager will turn on the lights, even at noon, and will turn them off when the sun shines back, without waiting for your command.

Your house becomes a living home ready to serve you.

- **at your command**

At any time, in a few touches, you can take over command, and control all appliances in house.

At any time, you are the master of the house.

Your wishes become commands

« Set the alarm in the morning, on weekdays, except Wednesdays, and only when you're around.
Turn on the towel warmer ten minutes earlier... »

All settings can be done simply in a few touches, with a more human logic. Express your wish, and it becomes a command.

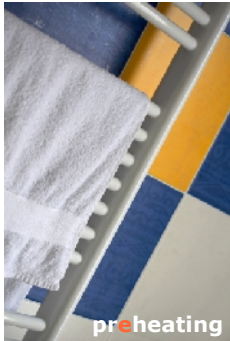


Here are some good reasons to adopt a room-manager at your home:

- For a **better comfort**, effortlessly, automatically.
- For **saving energy**, to avoid wasting electricity unnecessarily.
- For the **peace-of-mind**, because there is nothing to worry, and nothing to forget; the house takes care of itself according to your presence.
- For a **green spirit**, by trusting the room-manager to do the ecological reflexes to turn off the appliances that you don't use anymore.
- In a few words, to **simplify your life**.

These little details that make a big difference

With the Room Service system,
expect more from your intelligent house :



A warm towel, and well heated bathroom in the morning, it's not too much to ask, when you have such an intelligent home automation system.



Waking up gently in the morning, with a soft warm light that rises slowly like a sunrise.

When you're there,

give your attention to the more important things in life, and let the room-manager manage the house:

- Turn on the lights when it gets too dark, and turn them off when the sun shines back.
- Turn off the lights in unoccupied rooms.
- Set the thermostat at 20°C wherever you stay, and at 19°C in the other rooms.
- Turn off the TV when nobody's watching it.

Going out peacefully,

for an evening, or for a long vacation, knowing that the house will take care of itself, while waiting for your return.

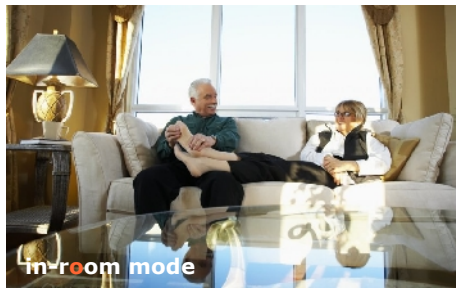
- Lower the thermostat at 17°C during short absences, and at 10°C along your vacations.
- Close the shades as soon as you leave.



When the night falls,

- Turn on the outdoor lights as soon as it gets dark outside, depending on the seasons, depending on the day.
- When everybody has gone to bed, activate the night configuration: Turn everything off, except the heaters in the bedrooms, and close the shades,...
- Turn on the night-lights when you wake up in the middle of the night.
- Turn on the dish-washer during low-tariff hours.





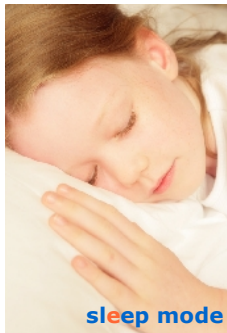
modes

One mode for each occasion. The room-manager can activate automatically one of the modes below, according to your presence.

- **In-room** mode, when your presence is detected in the room.
- **At-home** mode, your presence is detected in other rooms.
- **Sleep** mode, while you're sleeping in this room.
- **Night** mode, all night long, when the room is left unoccupied.
- **Away** mode, while you're away.
- **Vacation** mode, during your long vacations.

For each mode, you can configure differently and individually each device and each application. This setting will be applied when the mode is activated.

For example, if you fall asleep, the room-manager can activate the sleep-mode automatically, turning off all lights and the TV, and keeping the room warm throughout the night.



The house at your service

At any time, in a few touches, you can change manually the active mode, for example before leaving for vacation, to watch the shades rolling down and the lights turning off before locking the door.

(If you don't activate the vacation-mode manually, the room-manager will do all that during automatic switch to vacation-mode.)

Turning on the light, changing the dimmer level, turning off the lamp in the garage, all of that are within a few touches away.

Four keys and an easy-to-use menus are all it needs to control the whole house.

the house that informs you...

And each time it takes an initiative, the room-manager will inform you with simple messages such as:

« It's getting dark, I turn on the lights »

...and giving back reports

You can see the history and statistics of what's going on in the house during day, such as

- The heating consumption, day by day, and month by month.
- The temperature, presence detected, etc.



Applications

Many applications can run simultaneously on a room-manager, and you can associate each device to one or more applications:

Morning call

More than a simple alarm clock, the morning-call application helps you start the day with:

- Sunrise simulator, using your bedside lamp to simulate the sunrise.
- Preheating, to warm up the towel before the wake-up time.
- Morning time, to maintain the bedroom bright all morning long.
- Day of the week setting, so you can disable the alarm on weekends.

AutoHeating

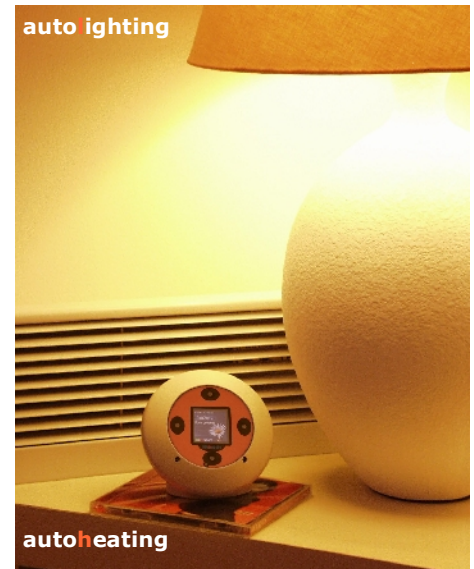
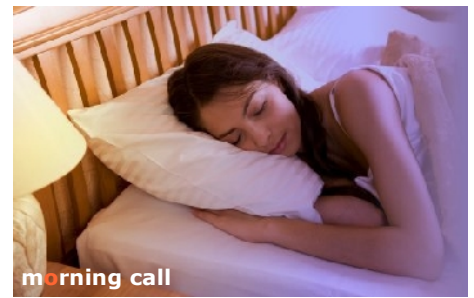
- Smart thermostat, according to your presence: 20°C when you're there, and 17°C when you're away, and why not 10°C during your long vacations. The thermostat setting changes automatically, without waiting for your command.
- Consumption history, per hour and per day, to help you manage your heating cost.
- Quick thermostat setting, from the main menu, just like a simple thermostat.

AutoLighting

- Automatic lighting, according to your presence, as necessary.
- Minimum ambient light setting.
- Individual dimmer setting for each lamp, depending on current mode. This allows you for example, to first have the ambient lighting on when you enter the room and then the main lamp when you stay longer.
- When the sun shines back, or when you open the curtain, the room manager turns off the lamps if the day-light is enough to keep the room bright.

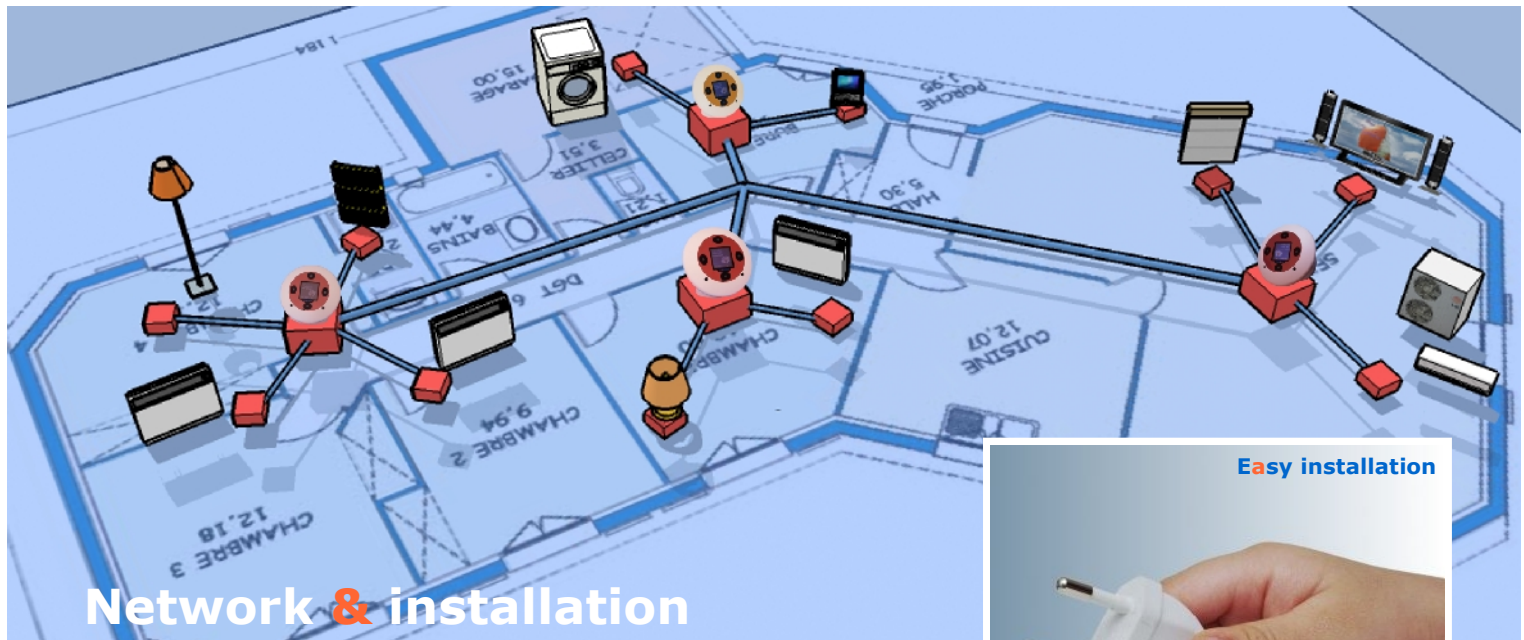
Day & Night

- Twilight detection to turn on outdoor lighting at night fall until dawn.
- Intelligent group-detection. If for example a room-manager misses the dusk or dawn detection (because of night-lighting or blocked by the shades), the other room-manager will inform it when the transition time comes.
- Night time programming, you can define the twilight detection period.



Infrared Baby-feeder

- A small card with two suction cups, that allows you to download new applications or upgrade completely the embedded software.
- USB interface, allowing you to do the setup from your PC.



Construct your own System

- Install one room-manager in each zone to manage, for example, in the living room or in the bedrooms.
- Install one control module for each device to manage. For example, a dimmer for the lamps, or a power-switch for the electric heaters.

The room managers communicate among themselves and with the control-modules using a network called PoliNet.

PoliNet networking

- A power line (carrier-current) network using the existing electrical installation. The whole house becomes accessible.
- No control wires, no extra wiring, no need for renovation works.
- Bidirectional protocol for a more reliable house management. All commands are acknowledged by the receiver.
- Secure Protocol. Each command carries a digital signature, allowing verification of it's authenticity. With this security, a neighboring installation would not be able to interfere with your system.

Easy installation

- You can put the room-manager anywhere in the room, as long as it is cleared of obstructions to detect your presence in the room.
- Most room-managers and small modules can be plugged in simply to a power outlet.
- For electrical heater, the power-switch module is designed to replace the wall cable exit normally found behind the heater.
- Other modular formats are available for installation inside a switch/wiring box, adapted for indoor or outdoor installation. (DIN EN 50 0222 format)
- A competent electrician should be able to do the installation well.



All the advantages

of a well designed system.

Modular and scalable

- You can start with just one room-manager to manage the whole house.
- Organize the house in several zones by adding room-managers wherever you consider it necessary.
- Complete the installation by equipping all rooms with a room-manager for a more private, individual room management.
- Simply add a module for each new device to control, whether it's a lamp, heater, or others.

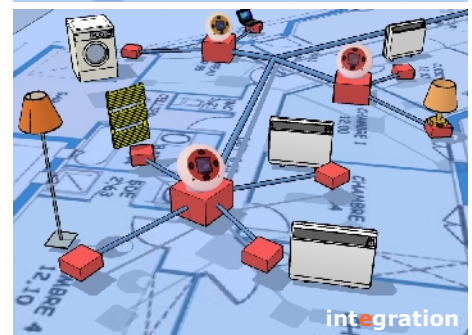
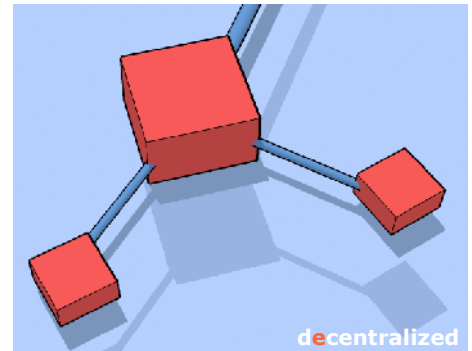
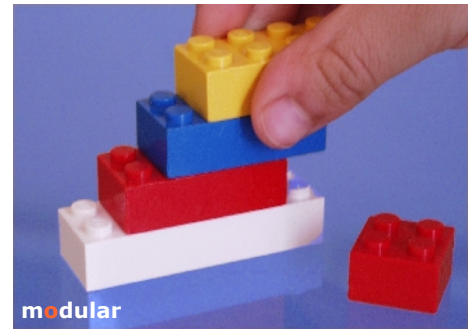
Decentralized network, robust and flexible

In a Room Service system, there is no central unit that takes all the decisions. On the contrary, decisions are made locally, on each room-manager that works in a collaborative network, forming a decentralized system, robust and flexible.

- Each room-manager is an independent system, capable of working alone without dependency to others.
- No central unit that can break down, paralyzing the whole house.
- Flexible, you can assign any appliance to any room-manager, and you can re-assign a room manager from one room to another.
- Robustness and redundancy by design. A fault is always limited to a zone, and you can reconfigure another room-manager to take over command.

High level of integration

- The room manager communicate to each other, in a house-wide network, to synchronize their effort to serve you better. For example, the room-manager in the living room will announce your arrival so that those in the bedrooms can start rising the thermostat.
- Each room-manager contains a complete environment management, taking into account the presence, temperature, ambient lighting, and the time, to manage automatically the lighting, heating, air conditioning and other appliances under its control.



Ask the right questions

about a home-automation system, before adopting one.

- What will it do for me? Is it really automatic? Is it really intelligent?
- Is it easy to use? Does it have a user-friendly interface?
- Is it flexible, and scalable? And if I want to add another room, or just another lamp?
- What is the level of integration? Is it just a bunch of independent modules, or is it an integrated, well organized system?
- Is the system robust? Is there one central element that can breakdown? If one unit broke down, will the whole house becomes paralyzed?
- Is it easy to install? Do I have to do big renovation works to install it? Can I just call a local "electrician" for the maintenance?
- In case of moving, or sale of the house, can I un-install the system easily? Is the existing electrical installation still operational?

Room-managers



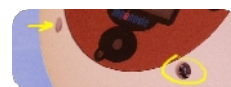
Daisy (RSM101) desktop version

Wally (RSM102) wall-mount version

- Ultrasonic Presence Detector
- Temperature sensor
- Ambient lighting sensor
- LCD display, 130x130 pixels, 4096 colors
- Four infrared-keys
- PoliNet power line networking (EN50065)
- Easy installation, plug-in to an outlet
- Faceplate colors (copper, steel, golden, iron)
- Optional: USB interface

« Room Service » Software:

- Modes – presence-based setting
- Morning-call – with sunrise simulator, preheating, etc.
- Autolighting – automatic lighting
- Autoheating – intelligent thermostat
- Day&Night – twilight detector, night lighting
- Downloading of new applications using infrared baby-feeder

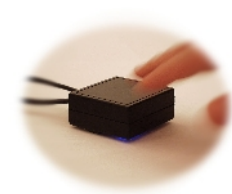
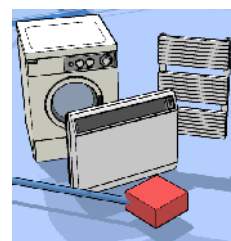


Modules



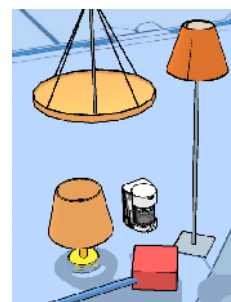
PoSwitch (PSW101) power-switch

- To control an electric-heater or other appliances
- Replace cable exit (for 60mm wall-mounting box, 30mm min depth.)
- Switching power: 16A (max 3680W)
- Dimension : 8 x 8 x 4 cm
- Weight : 110 g
- PoliNet power line networking (EN50065)



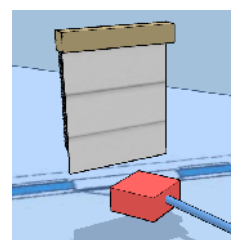
LiSwitch (LSW101) light dimmer

- To control a lamp, or other small electrical appliances
- Dimmer function only for incandescent lamp. (ordinary light bulb or halogen up to 150W)
- Manual command on a lighted button (dimmer, on / off)
- Compatible with low-energy light bulb (dimmer function disabled)
- Switching power : 500W (small appliance, non inductive)
- Power supply 230V~ 50hz
- Dimension : 60 x 60 x 25 mm
- Weight : 225 g
- PoliNet power line networking (EN50065)
- LiSwitch-E (LSW102): screw-clamp version for hidden installation (in a ceiling or integrated in a lamp housing)



Rémo-V (RMV101) relay module for rolling-shade

- To control a motorized rolling shades or other motor
- Two complementary relays (up and down)
- Two manual command buttons on the front-face
- Two inputs for external command buttons
- Switching power : 370W (motor)
- Maximum current 10A
- Power supply 230V~ 50hz
- Modular DIN-rail housing: 4 units (EN 50 0222)
- PoliNet power line networking (EN50065)



Rémo-C (RMC101) relay control module

- For gas-furnace, air-conditioning, centralized heating, ventilation and air conditioning unit (HVAC)
- Two independent relays for two management zones
- One input for consumption counter (kwh)
- One input for production counter (kwh) or load-shedding input
- Switching power 10A (non-inductive load)
- Power supply 230V~ 50hz
- Modular DIN-rail housing: 4 units (EN 50 0222)
- PoliNet power line networking (EN50065)

