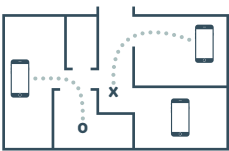




Rhomby presence awareness kit

Rhomby is a complete toolkit that keeps tabs on the location of mobile devices in a home. By associating devices with family members, programmers can create responsive, context-aware controls based on where people are in the house. It takes less than an hour to install and you'll immediately be able trigger events when people move between rooms or leave home.



Indoor location

Monitors occupants' movements with real-time, room-level precision.



Geofencing

Registers when occupants have entered or exited the home.



Event triggers

Reacts seamlessly, with no need for screen taps or voice commands.

Completely private

No data ever leaves the home or gets transmitted online.

Entirely self-contained

No infrastructure upgrades or additional equipment necessary.

Almost invisible

Totally unobtrusive with nothing extra to carry or wear.

Fully customizable

Limitless scene possibilities for all types of families and floor plans.

Incredibly fast

Less than an hour to set up real-time tracking out of the box.

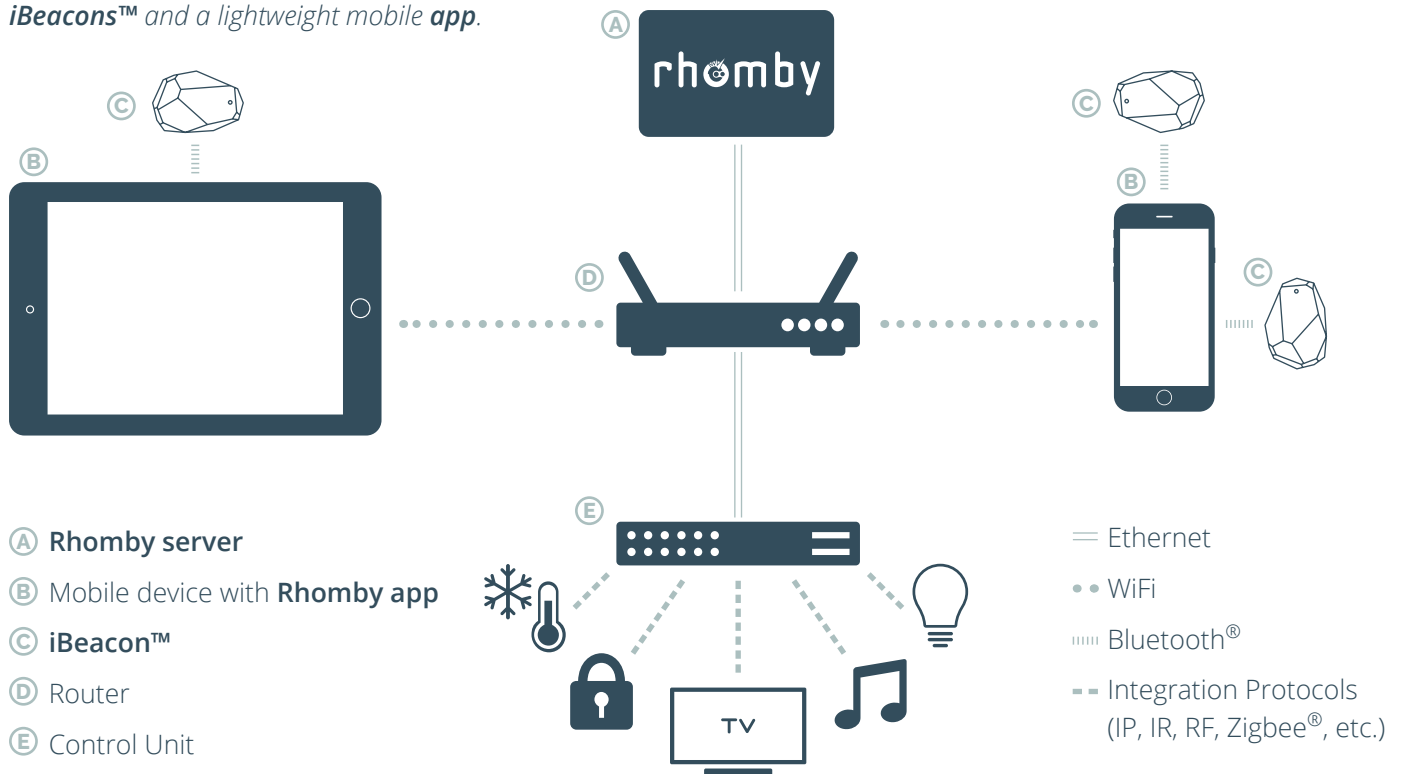
Upgrade your automated environments

Rhomby unlocks unlimited possibilities for smarter home automation. Here are a few examples of what you can do with Rhomby...

- 1 Activate personalized room preferences when occupants enter.
- 2 Initiate custom lighting, TV and music for group activities.
- 3 Notify current occupants when someone arrives home.
- 4 Create a real-time display showing everyone's location in the house.
- 5 Automatically present the current room's page on the control tablet.
- 6 Send an audio notification to all occupied rooms.
- 7 Trigger security-related events when everyone leaves home.
- 8 Manage HVAC loading during periods of high activity or inoccupancy.

System overview & installation

The toolkit includes a miniature **server**, **iBeacons™** and a **lightweight mobile app**.



(A) Rhomby server

(B) Mobile device with Rhomby app

(C) iBeacon™

(D) Router

(E) Control Unit

— Ethernet

••• WiFi

----- Bluetooth®

-.-.- Integration Protocols
(IP, IR, RF, Zigbee®, etc.)

Just three quick steps to give your control unit the power to react to the location of all mobile devices in the house.

- 1 Place an iBeacon™ in each room you want to monitor.
- 2 Configure the server to assign names to those rooms.
- 3 Install the app on each device and sync with the server.

Technical specifications

Rhomby server

- 1.4GHz Quad-Core CPU with 1GB RAM
- 16GB UHS-3 non-volatile memory
- 1000 Base-T Ethernet (max speed 330 Mbps)
- Dual-band 2.4GHz/5GHz 802.11b/g/n/ac WiFi
- Bluetooth® 4.2 Low Energy
- Modern browser-based control panel
- UDP Multicast and HTTP API
- Over the web firmware updates
- 5V 2.5A DC micro-USB power supply
- 4.1in (105mm) x 1.1in (27mm) x 2.8in (72mm)

Rhomby mobile application

- Supports iPhones from 4S onward
- Supports iPads from March 2012 onward
- Supports iPad Minis and iPad Pros
- Requires WiFi, Bluetooth® and GPS
- Runs in the background
- Requires only 1.5MB of device storage
- Apple Watch and Android support coming soon

iBeacons™

- Bluetooth® 4.2 Low Energy
- 2400MHz to 2483.5MHz frequency
- Range up to 230ft (70m)
- Over the air updates
- Splash-proof recyclable silicone enclosure
- Built-in optional adhesive
- Replaceable AA batteries x2
- ~3-5 year battery lifespan
- 3oz (86g) total weight
- 2.7in (69mm) x 1.8in (46mm) x 1in (25mm)

Additional notes

- Supports 100+ rooms
- Only one iBeacon™ required per room
- iBeacons™ do not need to be visible

NIKA Laboratories Inc
hello@rhomby.com