

Air Patrol

RULE AIR. THROUGH AIR.
SMART ENERGY CONTROL SOLUTIONS FOR HOME

AirPatrol
nordic



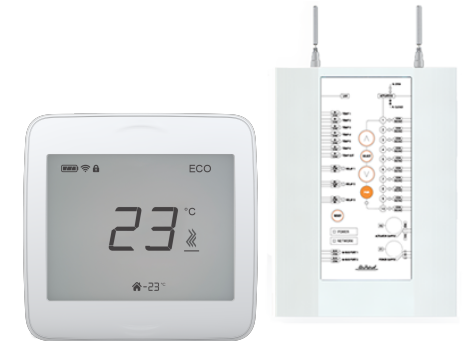
Air Patrol
WiFi



AirPatrol
SmartSocket



AirPatrol
SmartHeat



AirPatrol Company Overview

04.2016

AirPatrol in general

Quick facts

AirPatrol develops and produces wireless, plug-and-play **mobile controllers** to be used with all air conditioners, heat pumps, home heating systems and electrical devices.

AirPatrol mission is to create customer oriented, easy to use controllers that:

- help to save energy (~32%)
- make life comfortable
- are easy to set up

Company	AirPatrol Ltd
Location	Estonia, Tallinn
Products	Smart energy control systems
Communication way	SMS, WiFi, Sub-Ghz
Operated by	iOS, Android APP; text message
Target	DIY customers, homeowners
Developed & Produced	EU, Estonia
Development possibilities	High competents in engineering, product development, mobile applications.

AirPatrol

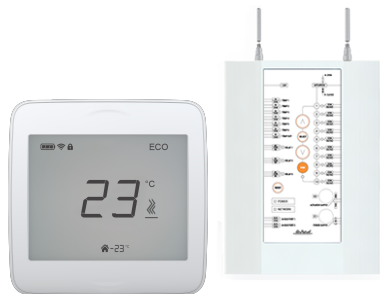
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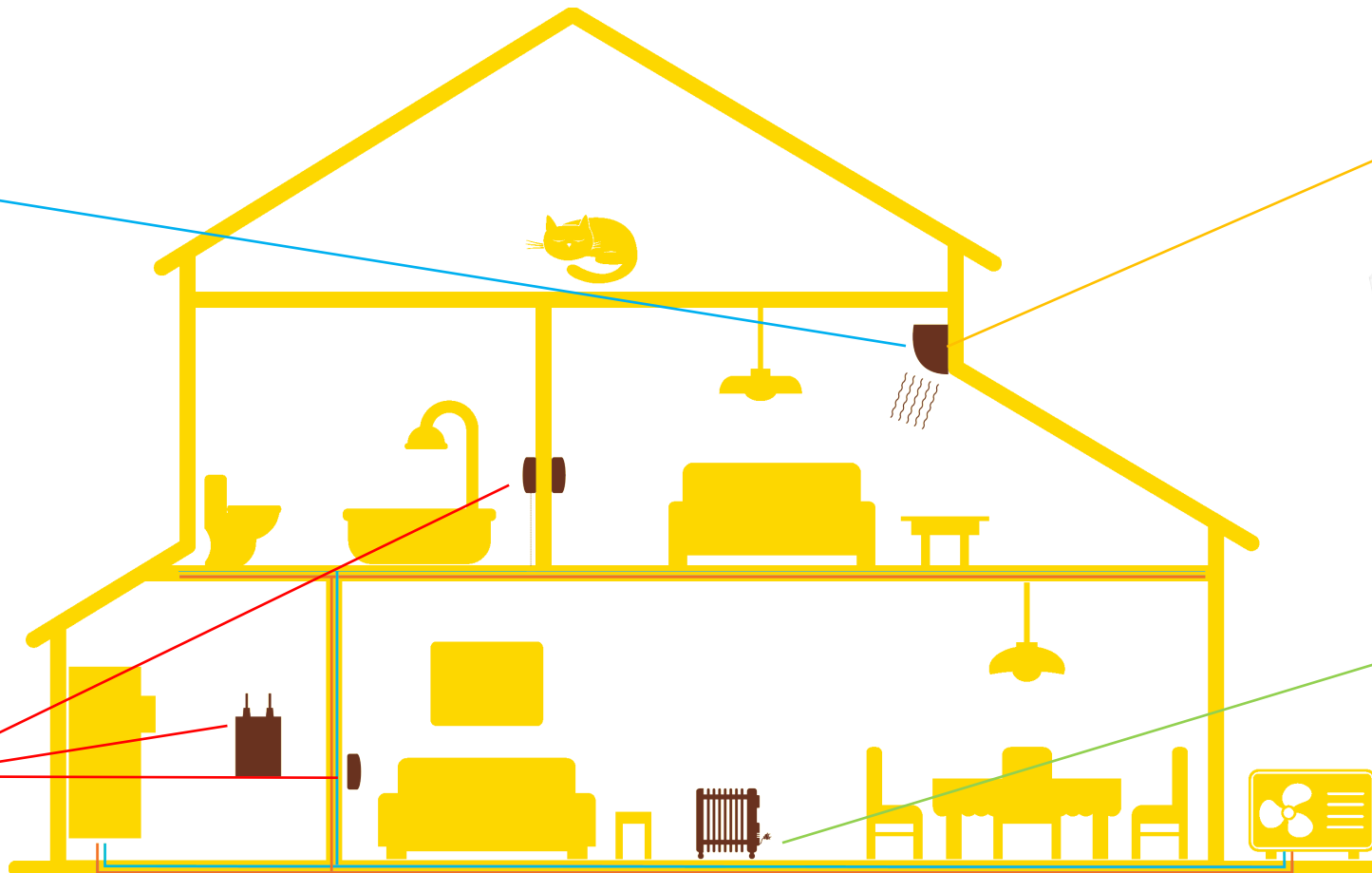
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AirPatrol Air Conditioner Controllers WiFi & Nordic

One brand, two communications



Works via internet

Constant connection via smartphone and internet

AirPatrol WiFi is an innovative air conditioner controller you operate with your smartphone from anywhere!



Works via GSM network

Connection via mobile APP and SMS text messages

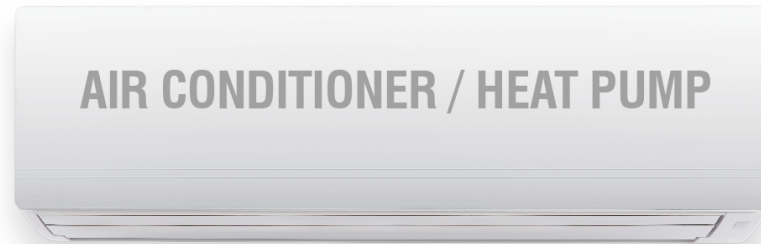
AirPatrol Nordic is a GSM controller for heat pump. It works with any mobile phone from anywhere!

AirPatrol WiFi & Nordic

How it works

AIRPATROL NORDIC – SMS

- Perfect for Summer Houses, Winter cabins
- SMS communication – reliable even in hardest conditions
- Backup battery in case of powercut
- Temperature sensor with built in alarms
- Use with APP or SMS



AIRPATROL WIFI

- Perfect for everyday homes or second home with constant WiFi
- WiFi connection – fast, updatable, free
- System updates with new features
- Temperature and humidity sensor with built in alarms
- Use with smartphone APP



AirPatrol WiFi & Nordic

COMMANDS & FUNCTIONS

- ON / OFF
- DRY / COOL / HEAT / AUTO
- Temperature setting, 10 - 30 °C
- Fan speed setting, AUTO / MIN / NORM / MAX
- Low heat mode (Freeze protection)
- Swing mode*

CUSTOMIZABLE ALARMS

- Low / high room temperature
- Low / high room humidity*
- Connection status
- Service time



ADDITIONAL FEATURES

- Scheduled events (Calendar based commands)*
- Unlimited brand list (Use with any air conditioner)
- Possible to group different devices in smartphone app
- Possible to control multiple devices in one smartphone app
- User specific settings, alarms etc. (Unlimited users)
- Auto-update (Automatically updates to the latest software)*
- Expandable (Compatible with all AirPatrol extensions)*
- Temperature in Fahrenheit and Celsius

INFORMATION FROM AIRPATROL

- Function mode
- Fan speed mode
- Swing mode*
- Desired temperature
- Current temperature
- Current humidity
- Local weather report
- Connection status
- Information about controller uptime*
- Network strength
- Firmware version

* Only for AirPatrol WiFi

Supported brands and models

AirPatrol WiFi & AirPatrol Nordic are suitable for more than **10 000** air conditioner and heat pump models, including older ones. The only truly **universal** new generation AC controller.

FUJITSU

FE Fuji Electric

GENERAL

LG

AlpicAir

DAIKIN

SAMSUNG

Midea

SHARP

BLAUPUNKT

TOSHIBA

PIONEER

GREE

Carrier

FRIEDRICH

**MITSUBISHI
ELECTRIC**

**MITSUBISHI
HEAVY INDUSTRIES, LTD.**

BOSCH

IVT

Hisense

Panasonic

ALTECH

Electrolux

HITACHI

argo

AirPatrol SmartSocket Energy Monitor&Control

AirPatrol WiFi expansion

AirPatrol
SmartSocket



Works via ZigBee network

AirPatrol

AirPatrol SmartSocket

Energy Monitor&Control

AirPatrol WiFi expansion



FUNCTIONALITY

- ON / OFF
- Timer (Calendar based)

CUSTOMIZABLE NOTIFICATIONS

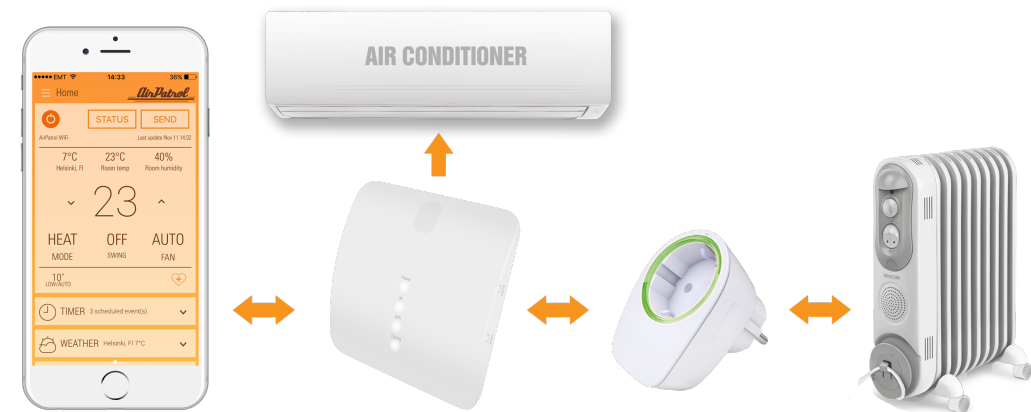
- Daily consumption limit
- Monthly consumption limit
- Over current
- Over voltage
- Under voltage

INFORMATION FROM AIRPATROL

- Real-time consumption, current, voltage
- Consumption history (hour, day, week, month, year)
- Consumption converted to money
- Connection status

ADDITIONAL FEATURES

- Consumption indicator (LED circle)
- Scheduled events (Calendar based commands)
- Possible to group different devices in smartphone app
- Possible to control multiple devices in one smartphone app
- Auto-update (Automatically updates to the latest software)
- User specific settings, alarms etc. (Unlimited users)
- Supports up to 3000 W



AirPatrol SmartSocket

Be smart on energy usage!



LOW 0W



MID 1500W



HIGH 3000W

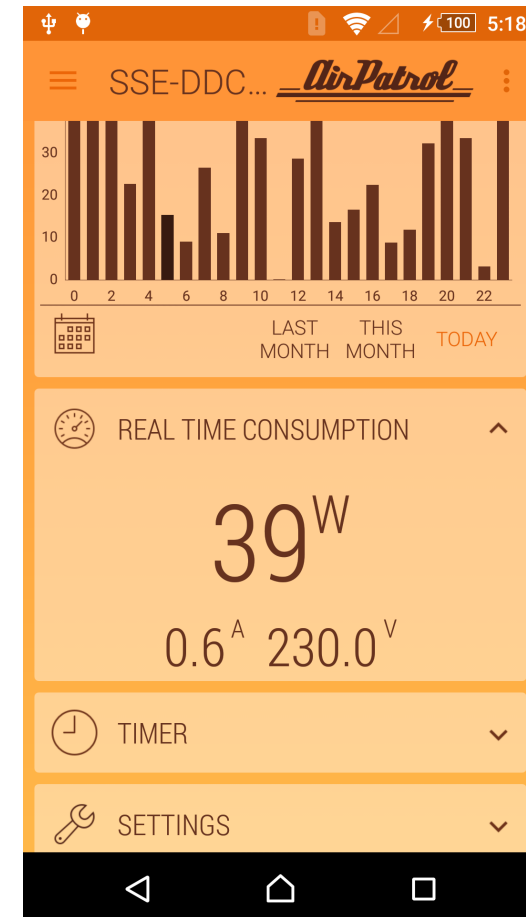
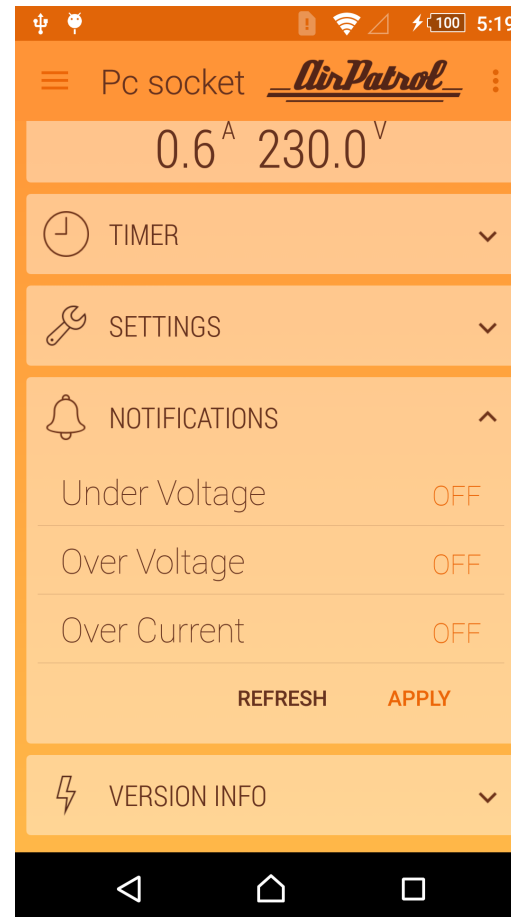
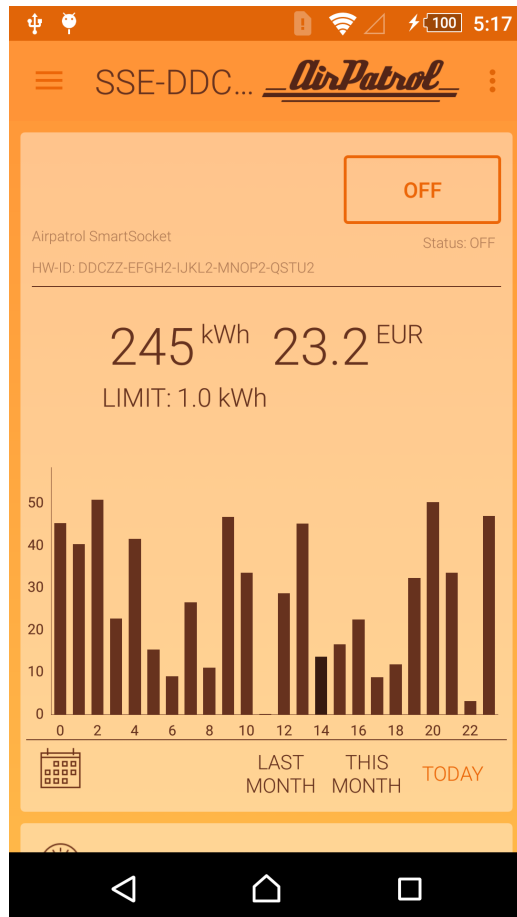
Low



High

Visible energy consumption!

Mobile Interface



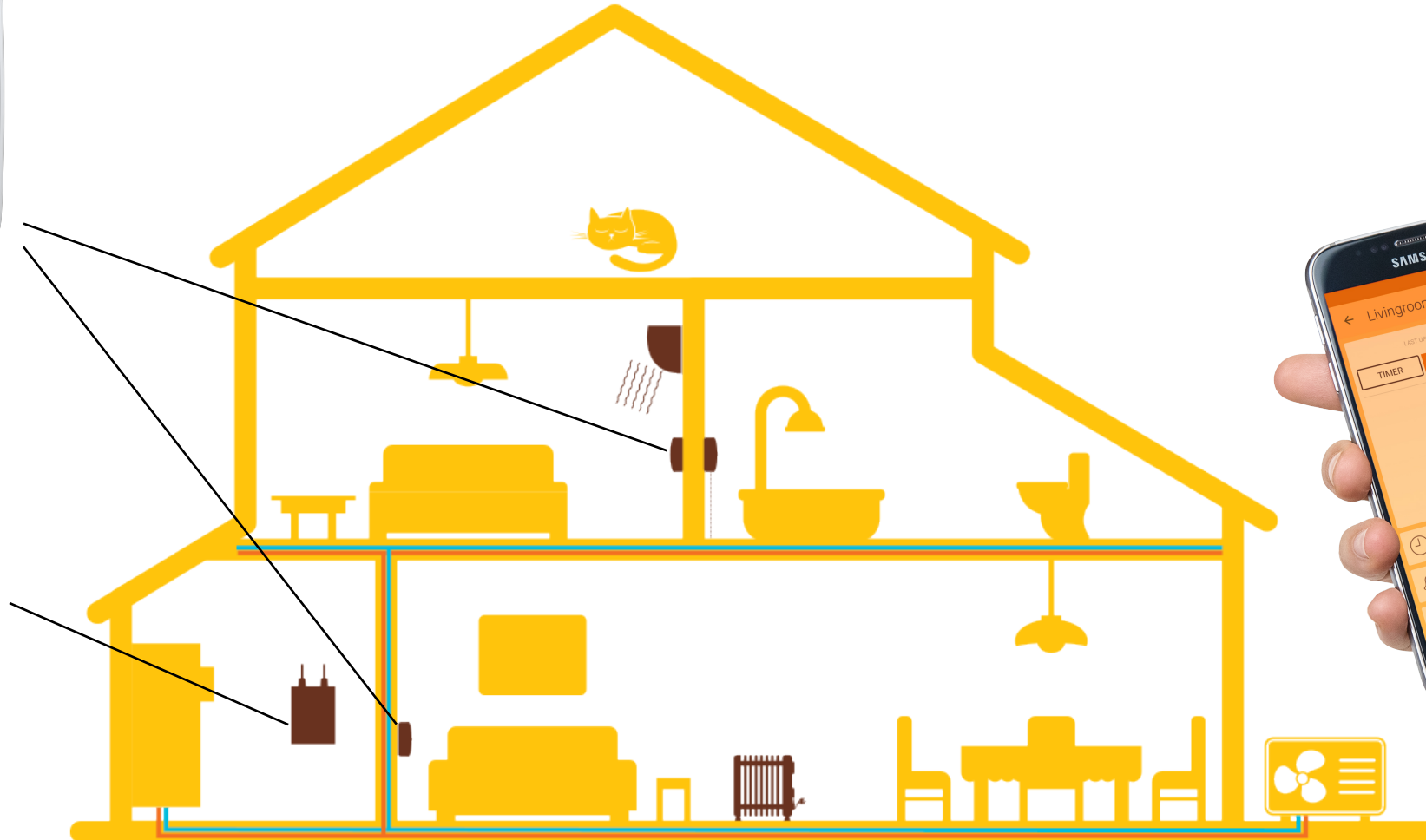
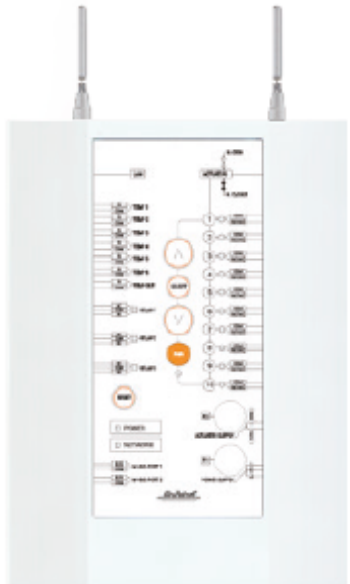
Be informed and in control – wherever you are!

AirPatrol SmartHeat

Heating Monitor & Control

Coming in Q4/2016

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AirPatrol SmartHeat

Main heating control system



Connections

- Ethernet LAN
- WiFi
- Wireless connection to thermostats, sub-GHz

Temperature sensors

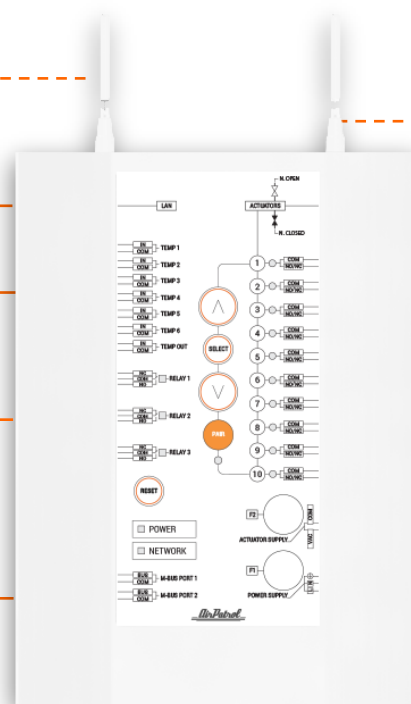
- Outside temperature
- 6 temperature sensors

3 Relay controls

- Control various electrical devices
- Weekly timers

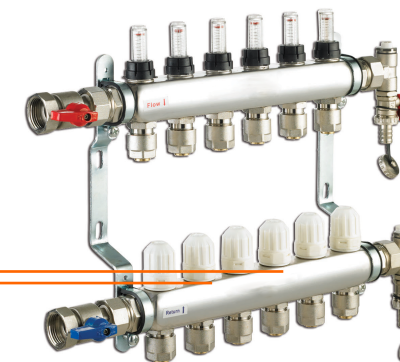
2 M-Bus metering systems

- Electricity consumption
- Warm water consumption
- Energy consumption, etc.



10 Actuator connections

- 10 Room units
- Up to 2 contours per Room unit



Be informed and in control – wherever you are!

Market & Customer

- Residential homes with split type air conditioners or heat pumps
 - Convenient control over heating / cooling with AirPatrol WiFi & AirPatrol Nordic
 - Easily monitor and control any electrical device with AirPatrol SmartSocket
- Cottages / second homes with need for remote energy control
- Residential homes with underfloor heating
 - Easily monitor and control room temperature with AirPatrol SmartHeat

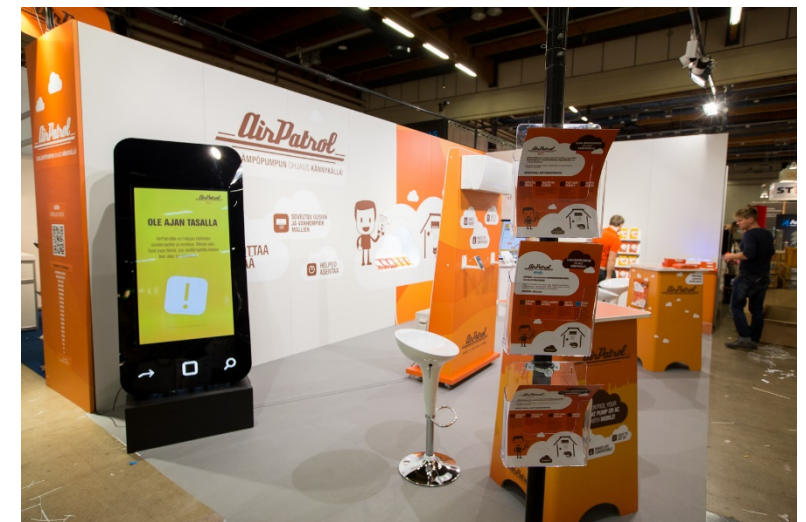


Marketing materials

Print advertisements
Web banners
Point-of-sales designs
Product sheets
Roll up
HQ pictures
T-shirts
etc.



AirPatrol on fairs



Thank you for your time!

Air Patrol