

Haw make universal receiver for all kinds of radio (RF) sensors just for \$9

Passing ships,
Negotiations local services
Transport systems and more.
How to get access to all this information.
Including AIS protocol (time coming ferry Helsinki-Tallinn example)

RTL-SDR and GNU Radio with Realtek RTL2832U [Elonics E4000/Raphael Micro R820T] software defined radio receiver for \$9.

We have already booked is a device for the test (I hope - since my requests to the server and touchscreen monitor and were not satisfied, as well as money for NooLight sensors also were not given).

It can be connected to the TP-Link and receive signals from radio sensors of different companies. But for this you need an experienced engineer or junior engineer docile. **Jorge Soto (junior engineer) is necessary to explain that the office is not a beach and not a elementary school.**

<http://superkuh.com/rtlsdr.html>
<http://sdr.osmocom.org/trac/wiki/rtl-sdr>
<https://lab.dyne.org/RtlSdr>
<http://habrahabr.ru/post/149702/>
http://sdrts.amoti.ru/instrukciya_po_us..._sdrsharp

zadig – driver for Windows
<http://sourceforge.net/projects/libwidi/files/zadig/>
Mac
<http://eliasoenal.com/2012/09/30/osx-po...-software/>
Linux
<http://www.rtl-sdr.com/improved-sdr-support-kali-linux/>

Screening
http://sdrformariners.blogspot.co.nz/p/..._noise.html

Converter
http://www.ebay.com/itm/Ham-It-Up-v1-0-..._3525wt_786
http://qrz.od.ua/topic/80-konverter-vve..._converter/

The first social network radio sensors
<http://qrz.od.ua/topic/1533-svoi-sdr-server/>

Scanner

<http://sourceforge.net/projects/rtlsdrs ... rce=navbar>
<http://sourceforge.net/projects/rtlsdrscanner/files/>
http://sdrts.amoti.ru/skaner_poisk_novyh_chastot
<http://sourceforge.net/projects/rtlsdrs ... e/download>

GSM

<http://habrahabr.ru/post/200914/>
<http://dangerousprototypes.com/2013/10/ ... h-rtl-sdr/>
<http://hackaday.com/2013/10/22/cracking ... y-dollars/>
<http://www.rtl-sdr.com/rtl-sdr-tutorial ... wireshark/>

Communication satellites, obtaining weather maps, etc.

<http://www.rtl-sdr.com/tag/satellite-2/>
<http://www.heavens-above.com/PassSummar ... &showall=t>
<http://www.rtl-sdr.com/rtl-sdr-tutorial ... te-images/>
<http://sdrsharp.com/index.php/a-simple- ... ent-page-3>
<http://sdr.osmocom.org/trac/wiki/rtl-sdr>

Program

wxtoimg

<http://www.wxtoimg.com/>

Modulation and transmission format pictures with NOAA originally designed for the frequency shift during the flight the satellites . Expose strip detector at least 40kHz (better 50) and at a normal level signal get an excellent picture . And the main thing ! Bad practice to decode images from NOAA on the fly. Write (unless of course there is a possibility) during migration to disk (mean whistle and record IQ) the entire band (250 ... 2400KGts to choose from) and then offline , putting the right band detector and audio format (11025) - Drain the lf file for further processing. That's when there will be no curves etc. bands .

<http://www.radioscanner.ru/info/article216/>

Alternative devices for different price

EzTV 668

<http://www.ebay.com/itm/EZCAP-EzTV-668- ... 1197902057>

Hama USB DVB-T Empfänger "Nano"

<http://www.oe7.oevsv.at/opencms/referat ... /RTL2832U/>

AFEDRI SDR-Net receiver is built on the architecture of the direct signal samples or if you use English terminology direct sampling Software Defined Receiver - SDR

\$300

<http://www.afedri-sdr.com/index.php/afe ... russian--->

LW-MW-HF-VHF-UHF USB SDR FUNcube Dongle Pro+
8990 rub

http://radioarena.ru/page_7.html

\$120

http://janielectronics.com/index.php?ro ... duct_id=94.

MSi3101 or Mirics

50 English pounds

<http://www.mirics.com/mlogin.php>

http://www.mirics.com/sites/default/fil ... 01_new.pdf

USRP

<http://www.ni.com/usrp/esa/>

Voice

<http://www.rtl-sdr.com/improved-digital ... oding-dsd/>

QPSK

http://www.ite.com.tw/en/products_more ... 6&ID=15,62

<http://www.radioscanner.ru/forum/topic45014.html>

ADS-B

<https://github.com/bistromath/gr-air-modes>

<https://www.cgran.org/wiki/gr-air-modes>

<http://sdrsharp.com/index.php/a-simple- ... ng-rtl-sdr>

ReBeat

<http://forum.adsbradar.ru/f39/sdr-rtl-1034/index31.html> post 305 and next

<http://www.radioscanner.ru/forum/topic45014-91.html>

DAB

<http://www.sdr-j.tk/index.html>

DSD+

<http://www.rtl-sdr.com/improved-digital ... oding-dsd/>

HackRF

<http://www.kickstarter.com/projects/mos ... r-platform>

<http://greatscottgadgets.com/hackrf/>

<https://github.com/mossmann/hackrf/wiki>

<http://www.securitylab.ru/analytics/447414.php>

<http://www.securitylab.ru/analytics/448222.php>

<http://gnuradio.org/redmine/projects/gn ... repository>

GNUet

<https://gnunet.org/gnunet0-10-0>

Android

<http://dxing.ru/forum.html?func=view&ca ... 8&start=16>

<http://eartoearoak.com/software/rtlsdr-scanner>

SDR-Touch

<http://www.radioscanner.ru/files/downlo ... rtouch.zip>

<http://www.radioscanner.ru/files/pocketpc/file15227/>

<http://forum.xda-developers.com/showthr ... p=36930621>

<http://sdr.martinmarinov.info/download.php>

<http://4pda.ru/forum/index.php?showtopic=464036>

TP-Link

AlexKing on openwrt

<http://www.radioscanner.ru/forum/topic4 ... #msg976535>

OpenWRT (TP-Link) have sdr-rtl.

TVSharp

<http://yadi.sk/d/4CeEvles3AXzz>

TV transmitted through military satellite

255.550, NFM, Полоса 4500, Order 600, программа MMSSTV

<http://www.radioscanner.ru/forum/topic15762-5.html>

Antenna (I have two patent decisions that have not yet patented)

<http://air-radorama.blogspot.ru/2013/0 ... irale.html>

Passive radar

<http://www.rtl-sdr.com/passive-radar-du ... l-rtl-sdr/>

<http://asp.eurasipjournals.com/content/ ... 497074.pdf>

Spectrum

http://napan.ca/ghpsdr3/index.php/Main_Page

Oscilloscope

On the Internet there is an article about remaking dongle on HF. Meaning rework - disable input from the tuner and RTL2832 to output. This input can be used as an oscilloscope. Only soft one has posted. Theoretically, you can do dual channel up to 1.5 MHz. If there was infa Registers RTL2832, and possibly up to 15 MHz can endure.

Identification signals

<http://www.rtl-sdr.com/signal-identification-guide/>

Adapter for antenna

MCX to RF

25ft USB 2.0 High Speed A Male to A Female Extension Cable Cord 480MBps

<http://www.ebay.com/itm/320985076761?>

<ssPageName=STRK:MEWNX:IT& trksid=p3984.m1497.l2649>

RTL2832U supporting:

FM, DAB(+), TETRA (~430 MHz), GMR, APCO P.25 and satellite signals Turayya (~1550 MHz), AIS, ADS-B, ACARS, ATIS 122,45 pl-660 (for fly VirtualRadar, PlanePlotter), WFM, NFM, AM, GSM, GPS, DECT, RDS, NOAA, NOAA19, <http://swisscube.epfl.ch/>, NMT450, <http://450mhz.ru/>, CDMA, DVB-T2, DVB-T (32 and 34 and 38 cannel <http://www.radioscanner.ru/forum/topic21544.html>), 1 TBK , 3TBK, 6 TBK , 8 TBK , 11 TBK , +

66,890 MHz and 68,630 MHz, Taxi on 27 MHz, CW 437.250 MHz satellite Fitsat-1 capacity 100 mw (<http://www.fit.ac.jp/~tanaka/fitsat.shtml>), PhoneSat (<http://www.nasa.gov/directorates/spacet...nesat.html>, [http://www.radioscanner.ru/forum/topic2 ...st/177903/](http://www.radioscanner.ru/forum/topic2...st/177903/)), beacon/APRS ISS (145.825, <http://rghost.ru/45401050>)

Intel® Edison Development Board

The SD* card-sized computer for IoT

<http://www.intel.com/content/www/us/en/do-it-yourself/edison.html>

<http://habrahabr.ru/post/208332/>

<http://mimobaby.com/mimo/>

http://newsroom.intel.com/community/intel_newsroom/blog/2014/01/06/intel-ceo-unveils-products-initiatives-and-collaborations-for-more-immersive-intuitive-experiences-and-increased-device-security

Different SmartHome Project:

Tech-Home Solutions – nice web interface.

<http://tech-homesolutions.com/installations/22-zone-home-automation-with-3d-floorplan-control-keypads/>

X13.Home – most advanced Open-Source-Automation RF system with Visual programming language(Logram) and open protocols MQTT and MQTTS.

But not have Web-interface.

http://x13home.github.io/index_en.html

<http://comparator.selfhost.bz/>

STANTOR

http://stantor.free.fr/capture_ecran_EN.html

majordomo – many modules support and control by Skype

<http://majordomohome.com/Main/Modules>

rus <http://smartliving.ru/>

<http://habrahabr.ru/company/isystems/blog/206694/>

KNXweb

<http://sourceforge.net/projects/linknx/>

<http://linknx.sourceforge.net/>

Protocol

http://sourceforge.net/apps/mediawiki/linknx/index.php?title=Interacting_with_Linknx

Forum

<http://knx-user-forum.de/knx-eib-forum/>

Lib [GNU pth](#) is a user mode multi threading library. pthsem is a fork, with support for semaphores added.

<https://www.auto.tuwien.ac.at/~mkoegler/index.php/pth>

Eibd

<http://www.auto.tuwien.ac.at/~mkoegler/index.php/eibd>

<http://www.auto.tuwien.ac.at/~mkoegler/index.php/eibdriver>

BCU SDK is a C based, high level development system for creating programs for EIB/KNX BCU devices. It includes the GNU toolchain for the m68hc05 architecture (m68hc05-gcc, m68hc05-gdb, newlib). Bus access is possible using multiple methods.

<http://sourceforge.net/p/bcusdk/wiki/Home/>

Installation

http://sourceforge.net/apps/mediawiki/linknx/index.php?title=Install_Eibd/Linknx/knxweb

Setup

<http://localhost/knxweb2/setup.php>

Information

<http://sourceforge.net/apps/mediawiki/linknx/index.php?title=KnxWeb>

openhav

<https://github.com/openhav>

freedomotic

<http://code.google.com/p/freedomotic/>

zvirtualscenes

<http://code.google.com/p/zvirtualscenes/>

Open-Source-Automation

<http://www.opensourceautomation.com/>

pytomatio – Django platform that I know

<https://github.com/zonyl/pytomation>

webmote – Android simple

<https://github.com/dandroid88/webmote>

HAMS

<http://32leav.es/>

etc ...

Design your home

3D Home

<http://ru.homestyler.com/designer>

<https://planner5d.com/>

Google Sketchup – 3D model

www.roomle.com

MagicPlan

<http://www.sensopia.com/english/index.html>

Protocols

http://docs.fibaro.com/?page_id=1740

<http://sourceforge.net/projects/linknx/>

[http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Publish/Subscribe_Broker - Orion Context Broker - User and Programmers Guide](http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Publish/Subscribe_Broker_-_Orion_Context_Broker_-_User_and_Programmers_Guide)

http://www.calaos.fr/wiki/protocole_tcp

http://www.calaos.fr/wiki/protocole_json

<http://smartliving.ru/Main/ProgramminIntegration>

Open source home automation system MRF49XA - 800-900 MHz

- **MQTT Broker:** Implements variables newsletter subscribers
- **MQTT Client:** Connects to the upstream broker
- **PLC:** Implements control logic

Modules:

- **Persistent Storage:** data base SQL-Lite or mySQL servers
- **MQTT-S Aggregated Gateway:** To translate between protocols MQTT-S and MQTT
- **XBee Gateway:** Serves customers based XBee (ZigBee) modules
- *Other plug-ins, such as KNX and Z-Wave (not included in the open source version)*

Tiny MQTT Broker with TP-Link OpenWRT

<http://webworxshop.com/2012/11/03/tiny-mqtt-broker-with-openwrt>

x13home

http://x13home.github.io/index_en.html

<http://smartliving.ru/forum/viewtopic.php?f=8&t=601>

<http://smartliving.ru/forum/viewtopic.php?f=8&t=601&start=30>

<https://github.com/X13home>

<http://x13home.github.com/www/Download/X13.Home.zip>

<http://www.ab-log.ru/forum/viewtopic.php?f=1&t=383>

M2M (ZeroMQ, MQTT or AMQP)

MQTT(s) subscribe/publish <http://mosquitto.org/>

<https://github.com/tobyjaffey>

<https://github.com/bluerhinos/phpMQTT>

<https://github.com/sskaje/mqtt>

<http://www.ab-log.ru/forum/viewtopic.php?f=1&t=383&start=640#p10695>

WonderBox - MQTT

<http://www.ab-log.ru/forum/viewtopic.php?f=1&t=519&start=20>

Pub/Sub

<http://jpmens.net/2013/02/25/lots-of-messages-mqtt-pub-sub-and-the-mosquitto-broker/>
Arduino
<http://knolleary.net/arduino-client-for-mqtt/>
<https://github.com/knolleary/pubsubclient/blob/master/PubSubClient/PubSubClient.cpp>

KNXweb
<http://sourceforge.net/projects/linknx/>

TCP - Microchip

TCPIP WebVend App,
<http://habrahabr.ru/post/138081/>
TCP/IP – Tibbo (RS232 over Ethernet)
<http://habrahabr.ru/company/scancode/blog/206920/>

HardWare Protocols

CC1101 and MRF49XA not work together
CC1100 and SX1231 work
RFM12 with CC1100 in 2-FSK mode
CC1101 network need GFSK
RFM12 and SX1231 from Semtech work
mc13224v 6LowPAN module <http://www.redwirellc.com/store/node/6>

Mesh Protocols

SimpliciTI <http://www.ti.com/corp/docs/landing/simpliciTI/>
http://tinyos.stanford.edu/tinyos-wiki/index.php/Platform_Hardware
<http://www.contiki-os.org/hardware.html>
flash from 128 Kb and from 4 Kb RAM

Feedback The Radio Channel 433 MHz
<http://imall.iteadstudio.com/smart-home/switch/im121218019.html>
<http://imall.iteadstudio.com/im120628014.html>

Devices

Tools for control e/m frequency and channels DVB-T R820 and program SDR#
<http://www.ebay.com/itm/New-FM-DAB-USB-DVB-T-RTL2832U-R820-TRTL-SDR-Receiver-TV-TunerMCX-Input-/190872093909>
<http://www.radioscanner.ru/forum/topic45014-42.html#msg927543>
<http://www.radioscanner.ru/forum/topic45014-46.html#msg929244>

UG802 - Android Cortex A9 – Make ftom TV - SmartTV - \$ 43.30
<http://dx.com/p/ug802-android-4-0-dual-core-network-multi-media-player-w-wi-fi-hdmi-tf-black->

[1gb-ram-4gb-153223](#)

Arduino library to operate low cost 315 MHz / 433 MHz remote control devices

<http://code.google.com/p/rc-switch/>

Speech commands by Microsoft recognition

<http://jordanburgess.com/post/38986434391/raspberry-pi-airplay>

TP-Link (Alternative firmfare)

<http://smartliving.ru/Main.TPLinkHub>

http://madox.googlecode.com/files/tl-wr703n_standard_2012-10-04.7z

<http://www.madox.net/blog/projects/tp-link-tl-wr703n/>

Circuit Diagram & Files (for V1)

<http://www.kean.com.au/oshw/WR703N/>

<http://smartliving.ru/Main/DlinkHub>

3D printer case model

<http://www.thingiverse.com/thing:25257>

Arduino USB problem

<https://forum.openwrt.org/viewtopic.php?id=39956>

HW hack

[https://forum.openwrt.org/viewtopic.php?id=34188.](https://forum.openwrt.org/viewtopic.php?id=34188)

Patch

https://github.com/SLboat/Openwrt_12.09_r36088-USB11_RESET_PATCH/

firmware

<http://pan.baidu.com/s/1CI2UZ>

Patch on forum

<https://forum.openwrt.org/viewtopic.php?pid=220117#p220117>

Install on OpenWRT

<http://smartliving.ru/forum/viewtopic.php?f=4&t=1061>

<http://smartliving.ru/forum/viewtopic.php?t=1061&p=8365#p8365>

Lot of Information about TP-Link

<http://www.cyber-place.ru/forumdisplay.php?f=38>

<http://cyber-place.ru/showthread.php?t=343>

Cross compilation OpenWRT on Ubuntu.

<http://cyber-place.ru/showthread.php?t=512>

Cross compilation OpenWRT on Debian.

<http://rascal.su/blog/2010/11/06/%D1%81%D0%BE>

[%D0%B1%D0%B8%D1%80%D0%B0%D0%B5%D0%BC-openwrt-%D0%B8%D0%B7-%D1%82%D1%80%D0%B0%D0%BD%D0%BA%D0%B0/](http://rascal.su/blog/2010/11/06/%D1%81%D0%BE%D0%B1%D0%B8%D1%80%D0%B0%D0%B5%D0%BC-openwrt-%D0%B8%D0%B7-%D1%82%D1%80%D0%B0%D0%BD%D0%BA%D0%B0/)

Repository

http://downloads.openwrt.org/attitude_adjustment/12.09/ar71xx/generic/packages/

Format USB

<http://redacacia.me/2013/04/08/openwrt-usb-external-storage-with-rootfs-swap/>

WiFi settings

<http://wiki.openwrt.org/doc/faq/faq.wireless>

Messages

<http://jpmens.net/2013/02/25/lots-of-messages-mqtt-pub-sub-and-the-mosquitto-broker/>

Test

<http://test.mosquitto.org/>

<https://lists.launchpad.net/mosquitto-devel/msg00371.html>

Patch for LuCI

<http://luci.subsignal.org/trac/attachment/ticket/435/0001-Basic-LuCI-app-for-Mosquitto-service-configuration.patch>

Payload

<http://false.ekta.is/2011/08/binary-payloads-with-mosquitto-v0-12-and-later-in-python/>

Date

`rdate -s ptbtime1.ptb.de`

<http://wiki.openwrt.org/doc/howto/ntp.client>

MJD (Debian)

<http://smartliving.ru/Main.Basics>

If it is ready device that enough to stick in the slot and it itself will sew and start working (and even more so if this device can be purchased), I think it is a very big plus.

<http://smartliving.ru/forum/viewtopic.php?f=3&t=424>

Config for start http://localhost/popup/first_start.html

MJD HTTP GET interfacing protocol

<http://smartliving.ru/Main/ProgramminIntegration>

MJD settings

<http://smartliving.ru/forum/viewtopic.php?f=6&t=405&p=2125&hilit=Big+Brother#p2125>

Android Application MJD

<https://play.google.com/store/apps/details?id=ru.galakart.majordroid>

MajorDroid

<https://github.com/Galakart/MajorDroid>

Weather

<https://play.google.com/store/apps/details?id=com.opensignal.weathersignal&hl=ru>

Run script from mobail on PC

<https://play.google.com/store/apps/details?id=com.joaomgcd.autoreMOTE&hl=en>

Windows X10 remote

<http://www.eventghost.org/>

Controller Android by voice

<https://play.google.com/store/apps/details?id=com.joaomgcd.autovoice&hl=en>

1-Wire to Ethernet Server

http://www.embeddeddatasystems.com/OW-SERVER-1-Wire-to-Ethernet-Server-Revision-2_p_152.html

OWFS for Raspberry

http://wiki.temperatur.nu/index.php/OWFS_with_i2c_support_on_Raspberry_Pi_%28English_version%29

<http://smartliving.ru/forum/viewtopic.php?f=8&t=46&start=50#p5162>

IP ATC Asterisk VoIP

<http://smartliving.ru/forum/viewtopic.php?p=8192#p8192>

Settings for MJD Menu

<http://smartliving.ru/forum/viewtopic.php?f=4&t=582&p=4168&hilit=On%2FOff+Switch#p4168>

Hardware MJD

<http://smartliving.ru/Main.Hardware>

Arduino web server + Virtual wire (TX, RX modules 433,99 MHz)

<http://smartliving.ru/forum/viewtopic.php?f=8&t=654>

<http://smartliving.ru/Main/ArduinoVirtualWire>

<http://startingelectronics.com/tutorials/arduino/ethernet-shield-web-server-tutorial/>

<http://smartliving.ru/Main/Arduino>

webserver EthernetShield W5100 and enc28j60

<http://smartliving.ru/forum/viewtopic.php?f=4&t=257>

<https://github.com/sochkasov/majordomo-arduino>

<https://github.com/sergiomokshin/Arduino-WebServer>

Arduino - RF

<http://smartliving.ru/Main/ArduinoVirtualWire>

<http://playground.arduino.cc/Interfacing/LinuxTTY>

<http://www.ebay.com/itm/301041414713>

<https://www.spark.io/>

<http://smartliving.ru/Main/ArduinoSecurity>

<http://oko-gsm.deal.by/p275972-oko.html>

http://www.ebay.com/itm/1pcs-433Mhz-RF-transmitter-and-receiver-kit-Arduino-project-/261041100836?pt=LH_DefaultDomain_0&hash=item3cc7431824

While I can not get a signal from them from noolite

<http://www.youtube.com/watch?v=27q8SthmBsI>

Sound

[http://www.ebay.com/itm/400520413916?](http://www.ebay.com/itm/400520413916?ssPageName=STRK:MEW NX:IT& trksid=p3984.m1497.l2649)

[ssPageName=STRK:MEW NX:IT& trksid=p3984.m1497.l2649](http://www.ebay.com/itm/400520413916?ssPageName=STRK:MEW NX:IT& trksid=p3984.m1497.l2649)

<http://smartliving.ru/forum/viewtopic.php?f=6&t=635>

Text To Spitch

<http://festlang.berlios.de/docu/doku.php?id=russianru>

<http://ab-log.ru/smart-house/speech>

Voice classification commad on Ardwinio

<http://compcar.ru/forum/showthread.php?t=8016>

Speech commands by microsoft recognition

<http://jordanburgess.com/post/38986434391/raspberry-pi-airplay>

<http://pccar.ru/showthread.php?t=18233>

<https://github.com/Rai220/SpeechCommands>

<http://www.pccar.ru/showthread.php?t=19766>

<http://www.pccar.ru/forumdisplay.php?f=121>

<http://www.youtube.com/user/Rai220/videos>

Open-Sound Controller

<http://habrahabr.ru/post/149838/>

Alice

<http://smartliving.ru/forum/viewtopic.php?f=4&t=432>

<http://smartliving.ru/forum/viewtopic.php?f=4&t=458>
<http://smartliving.ru/forum/viewtopic.php?f=6&t=290>

Chat Bot for controller house

LG – Line

<http://www.lgnewsroom.com/newsroom/contents/64064>

Majordomo - Skype

<http://habrahabr.ru/post/160067/>

<http://smartliving.ru/forum/viewtopic.php?f=4&t=690>

Controller of Gate

<http://forum.cxem.net/index.php?showtopic=107369>

Rele

<http://yadi.sk/d/JIb9jSr92iPPx>

<http://smartliving.ru/forum/viewtopic.php?f=8&t=562>

<http://www.aliexpress.com/item/New-5V-8-Channel-Relay-Module-Board-for-Arduino-PIC-AVR-MCU-DSP-ARM-Electronic-11121/663483123.html>

IR driver

http://dvrobot.ru/shop/i109.datchik_priema_ik.htm

http://dvrobot.ru/shop/i178.ik-_peredatchik.htm

<http://smartliving.ru/forum/viewtopic.php?f=8&t=304>

http://dangerousprototypes.com/docs/USB_IR_Toy_v2

<http://github.com/Sicness/SmartHome/blob/ed18e0dff2746f98a8bf729204971cf3ebc6420d/smart.py>

CO2 – climate controll

<http://habrahabr.ru/post/187210/>

<http://habrahabr.ru/post/205076/>

Mercuriy 200 - electricity consumption

<http://incotex-counter.blogspot.com.es/2011/06/200.html>

Mercury 230

http://ilja10.narod.ru/files/merc230_v217.DOC

Turn ON computer:

<http://smartliving.ru/forum/viewtopic.php?f=4&t=572>

Anti Fire

<http://www.tinko.ru/p-216904.html>

<http://www.bars7.ru/>

<http://www.sapsangsm.com/index.php?productID=1528>

Map of ideas of smart home

<http://mind42.com/mindmap/a83fba6c-dd6e-470f-96d3-3dca31f56af1>

<http://smartliving.ru/forum/viewtopic.php?f=6&t=1328>

<http://narodmon.ru/>

Temperature

http://www.masterkit.ru/main/set.php?code_id=565375

<http://connect.smartliving.ru/components.html>

Lamp

<http://store.apple.com/de/product/HA779ZM/A/philips-hue-connected-bulb-%E2%80%93-startpaket>

Boiler and wiring diagram

http://www.rinnai-russia.ru/?view=catalog&id_prod=1

http://www.benuks.ru/walpers/sh_io_1.jpg

Web client Buttons over Picture

<http://static.buildinternet.com/live-tutorials/interactive-picture/index.html>

<http://webformyself.com/sozdaem-interaktivnuyu-kartinku-s-pomoshhyu-jquery/>

Request PCB

<http://imall.iteadstudio.com/open-pcb/pcb-prototyping/prototype-pcb-assembled-pcba-upfront-consulting-service.html>

STM32 and USB-HID

<http://habrahabr.ru/post/208026/>