HOTSPOT. . .*What and where do I purchase?*

BlueDV
- Depending on which BlueDV board you choose to use, see next page for device requirements

DVMega
- Single band or dual band DVMega (most use only single band UHF)
- Raspberry Pi 2 (requires wifi dongle) or 3 (built in wifi, no wifi dongle required)
- 5v/2a power supply; micro usb cable
- 8gb or 16gb SDCard depending on which image you use
- Rpi case
- SMA stubby antenna

OpenSpot
- OpenSpot comes with:
  - 5v/2a power supply
  - SMA stubby antenna
- Requires:
  - Connection to router with CAT5 cable or portable wireless router for mobile
  - Cellular hotspot for wireless connectivity for mobile use

See following pages for more details on what and where to make your purchases. Items and vendors listed are not the only means for supplying your needs for the hotspots, but are recommendations based from experience of several hams using the suggested equipment. If you search, you may sometimes find the equipment at a similar or slightly lower price.
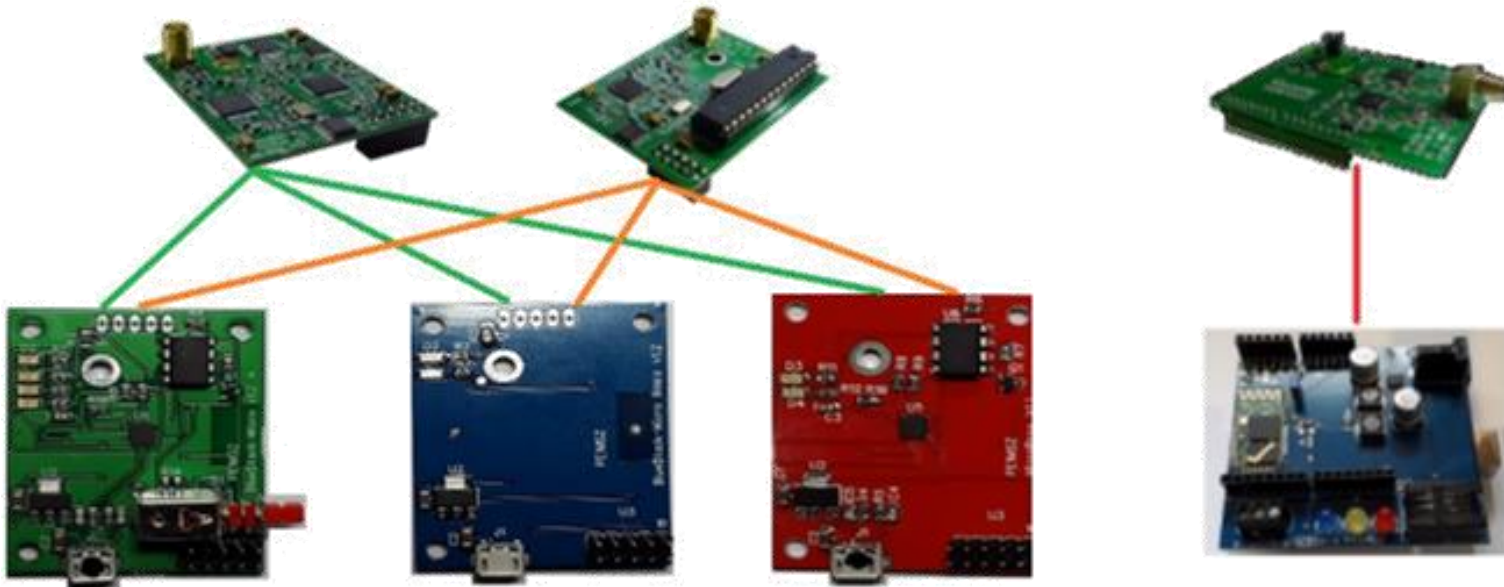
HOTSPOT. . .*What and where do I purchase?*

BlueDV

Dualband radio

Singleband radio

Arduino radio shield

BlueStack Micro +

Use for:
1) BlueDV Android
2) Blue DV Windows
3) Raspberry Pi with G4KLX
4) PC or Rpi with MMDVM.host
5) Firmware upgrade

BlueStack Micro (basic)

Use for:
1) BlueDV Android

MikroProg (LittleRed)

Use for:
1) Blue DV Windows
2) Raspberry Pi with G4KLX
3) PC or Rpi with MMDVM.host
4) Firmware upgrade

BlueStack1

Use for:
1) BlueDV Android*
2) Blue DV Windows #
3) Raspberry Pi with G4KLX #
4) PC or Rpi with MMDVM.host #
*for Android or any Bluetooth use, place blue jumper
for PC or USB use, remove the blue jumper
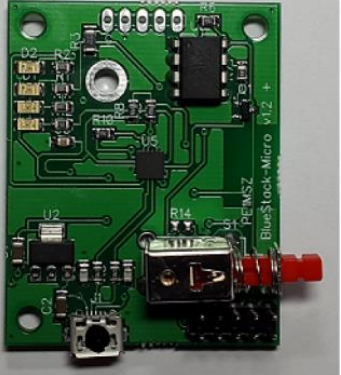
HOTSPOT. . .*What and where do I purchase?*

BlueDV

http://www.grapevineamateurradio.com/store/?model_number=BlueDV_micro_plus

http://www.blue-stack.co.uk/Ordering%20Information.html

HOTSPOT. . .*What and where do I purchase?*

DVMega

Dooren Electronic Solutions DVMega-UHF

DV-Mega Single Band UHF Radio Hotspot For Raspberry Pi (Requires Optional Raspberry Pi)
Regular Price: $139.95

Additional Savings

-$10.00 HRO Summer Savings Event! (Exp:08/31/16)

HRO Discount Price: $129.95*

http://www.hamradio.com/detail.cfm?pid=H0-014297

Dooren Electronic Solutions DV MEGA UHF radio for Raspberry Pi

DV MEGA UHF Radio for Raspberry Pi
SKU: PB0268

$159.00 regular price
-$30.00 discounts

$129.00

http://www.gigaparts.com/Product-Lines/Add-On-Boards-and-Modules-Shields/DV-MEGA-for-Raspberry-Pi.html

- Fits on Raspberry PI version A and B
  - Single band UHF radio
  - 10mW output power
  - Single band UHF radio
  - SMA antenna connector (not included)
  - Assembled, firmware pre-loaded

HOTSPOT. . .*What and where do I purchase?*

Raspberry Pi

CanaKit Raspberry Pi 3 with 2.5A Micro USB Power Supply (UL Listed)
by CanaKit

★★★★★ ▾   271 customer reviews | 19 answered questions

Price: $45.99 ✓*Prime*

In Stock.

Want it Thursday, Aug. 18? Order within **22 hrs 20 mins** and choose **One-Day Shipping** at checkout. Details
Sold by CanaKit and Fulfilled by Amazon.

Want to hire a computer technician?
Buy professional computer technician services directly on Amazon. Backed by our Happiness Guarantee.
Learn more

- Includes Raspberry Pi 3 (RPi3) Model B Quad-Core 1.2 GHz 1 GB RAM
- On-board WiFi and Bluetooth Connectivity
- CanaKit 2.5A USB Power Supply with Micro USB Cable and Noise Filter - Specially designed for the Raspberry Pi 3 (UL Listed)
- Set of 2 Heat Sinks
- CanaKit Quick-Start Guide

https://www.amazon.com/CanaKit-Raspberry-Micro-Supply-Listed/dp/B01C6FFNY4/ref=sr_1_11?s=pc&ie=UTF8&qid=1471373459&sr=1-11&keywords=raspberry+pi+3

Vilros Raspberry Pi 3 Basic Starter Kit--Clear Case Edition
by Vilros

★★★★★ ▾   377 customer reviews | 19 answered questions

Price: $49.99 ✓*Prime* | FREE One-Day

In Stock.

Want it tomorrow, Aug. 17? Order within **3 hrs 12 mins** and choose **One-Day Shipping** at checkout. Details
Sold by Prestige Milano and Fulfilled by Amazon.

- INCLUDES THE RASPBERRY PI 3--This Kit Includes the Raspberry Pi 3 Model B---The Ultimate Micro Computing Machine
- HIGH QUALITY ACCESSORIES--Clear Transparent snap together case with easy access to all ports--2.5 AMP USB Power Supply (UL Listed) with Micro USB Cable--Heatsink for Raspberry Pi - Set of 2 Heat Sinks
- BROADCOM BCM2837 64bit ARMv8 Quad Core Processor powered SingleBoard Computer running at 1.2GHz--1GB RAM
- BCM43143 WiFi & Bluetooth Low Energy (BLE) on board
- FULLY GUARANTEED--All parts in this kit are fully guaranteed for 1 year with 5 Star US based Customer Support

https://www.amazon.com/Vilros-Raspberry-Basic-Starter-Kit--Clear/dp/B01D92SSX6/ref=sr_1_3?s=pc&ie=UTF8&qid=1471373726&sr=1-3&keywords=vilros+raspberry+pi+3

HOTSPOT. . .*What and where do I purchase?*

Raspberry Pi

ANT-STUB-433SM Rf Solutions Antenna, Stubby, 433Mhz, 48mm, SMA Male
by Eachbid
★★★★★ ▾ 1 customer review

- Frequency Range:433MHz
- 1/4 wavelength helical antenna
- Compressed helical miniature coil antenna.
- Rugged plastic finish, flexible antenna.
- Available as M4 mount, 50Î©.

https://www.amazon.com/gp/product/B00PI6SD5U/ref=oh_aui_detailpage_o04_s00?ie=UTF8&psc=1

SanDisk Ultra 16GB UHS-I/Class 10 Micro SDHC Memory Card With Adapter- SDSDQUAN-016G-G4A [Old Version]
by SanDisk
★★★★☆ ▾ 19,289 customer reviews | 1000+ answered questions

Price: $9.25 ✓Prime | FREE One-Day
Delivered tomorrow for FREE with qualifying orders over $35. Details

Note: Available at a lower price from other sellers, potentially without free Prime shipping.

- Up To 48MB/s Read Speed
- 10-Year Warranty
- Easily Back Up Files With "SanDisk Memory Zone" App
- Includes SD Adapter

https://www.amazon.com/gp/product/B00M55C0LK/ref=oh_aui_detailpage_o09_s00?ie=UTF8&psc=1

SanDisk Ultra 8GB Class 10 UHS-I MicroSDHC Memory Card with Adapter, Grey / Red, Standard Packaging (SDSDQUAN-008G-G4A)
by SanDisk
★★★★☆ ▾ 12,249 customer reviews | 1000+ answered questions

Sale: $6.87 **Free shipping** for Prime members when buying this Add-on Item. Details

- Up To 48MB/s Read Speed
- 10-Year Warranty
- Easily Back Up Files With "SanDisk Memory Zone" App
- Includes SD Adapter

https://www.amazon.com/gp/product/B00M55C0VU/ref=oh_aui_detailpage_o09_s00?ie=UTF8&psc=1

HOTSPOT. . .*What and where do I purchase?*

Raspberry Pi

(There are many Rpi cases to choose from; listed below are just a couple of examples that have enough headspace for the dvmega without cutting a hole for the chip. A hole must be cut for the antenna.)

HighPi Raspberry Pi Case - Raspberry Pi2 and HiFiBerry

★★★★★ 1 rating

Item condition: **New**

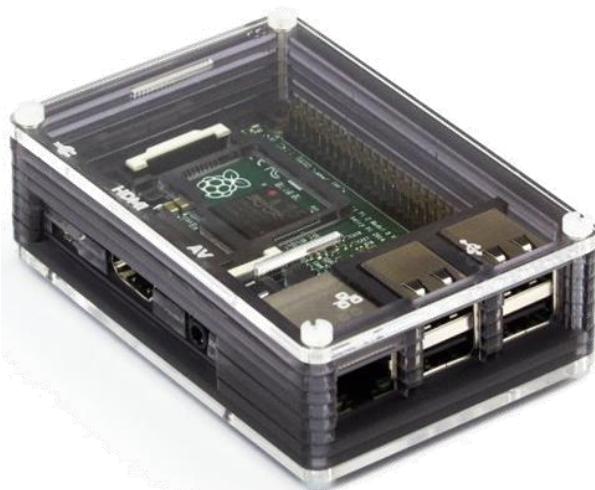Quantity: 1   Last one / 6 sold

Price: **US $22.89**   **Buy another**

http://www.ebay.com/itm/162076215058?_trksid=p2057872.m2749.l2649&ss
PageName=STRK%3AMEBIDX%3AIT

HIGHPI PI2B FULL FEATURE LIST: Durable two part ABS plastic caseIndustry-leading ease of use, easy and tool freeLarge internal volume for HATs, break-out boards, or heat sinksVents on three sides double as fly-through cable portsTwo-section breakout on A/V side for break-out board I/OMicro SD card access portMounting option 1: two M3.5/M3/#6 screws slide into wall mounts for easy removal, horizontal orientation with A/V side down, 40mm spacingMounting option 2: four M3.5/M3/#6 screws through feet from inside for secure mounting in any orientation, 68.3 x 38.8mm spacingMatte finish hides fingerprintsAvailable in black or red. Order two and mix lids!External dimensions: 96 x 66 x 41mmInternal volume for breakout boards:Length - 90.0mm Width - 60.0mm Height - 28.8mm (from top of PI2B PCB to underside of lid)

Pibow Ninja Case B+ for Raspberry Pi

by Pimoroni

★★★☆☆ ▼   5 customer reviews | 4 answered questions

Price: $19.95 + $3.54 shipping

- Clear top and base to leave Raspberry Pi visible
- Etched port markings and cable escapes
- Leaves primary ports accessible

https://www.amazon.com/Pibow-Ninja-Case-Raspberry-
Pi/dp/B00LUYNYZ8/ref=sr_1_1?s=aht&ie=UTF8&qid=1471387469&sr=8-
1&keywords=ninja+pibow

HOTSPOT. . .*What and where do I purchase?*

OpenSpot

openSPOT•

openSPOT is a standalone digital radio IP gateway / hotspot

Key features:

- Supports DMR (Brandmeister, DMRplus), D-Star (DCS, REF/DPlus), System Fusion (FCS) networks. More supported networks and features will be available with new firmware releases.

- Supports cross modem modes. Talk with your C4FM radio on DMR, and with your DMR radio on System Fusion networks!

- Very easy to use, works without a computer. No additional hardware required, works out of the box. All accessories included.

- Web interface for configuration and monitoring.

- HTTP, UDP/TCP API support.

- Custom 2FSK/4FSK RF protocol support with TDMA.

- USB powered, low energy consumption, 20mW RF output.

- Runs fully embedded software written in pure C, running on an embedded real time operating system. No Linux, bulky Windows software or failing SD cards!

HOTSPOT. . .*What and where do I purchase?*

Purchase OpenSpot from. . .

Home / Shop / Digital Voice & Hotspots / Openspot

SharkRF Openspot DMR / Fusion Digital Hotspot - FREE SHIP

$215.00

http://www.grapevineamateurradio.com/store/?model_number=Openspot1

Or From

https://www.sharkrf.com/products/openspot/

€182.5 (excluding shipping)