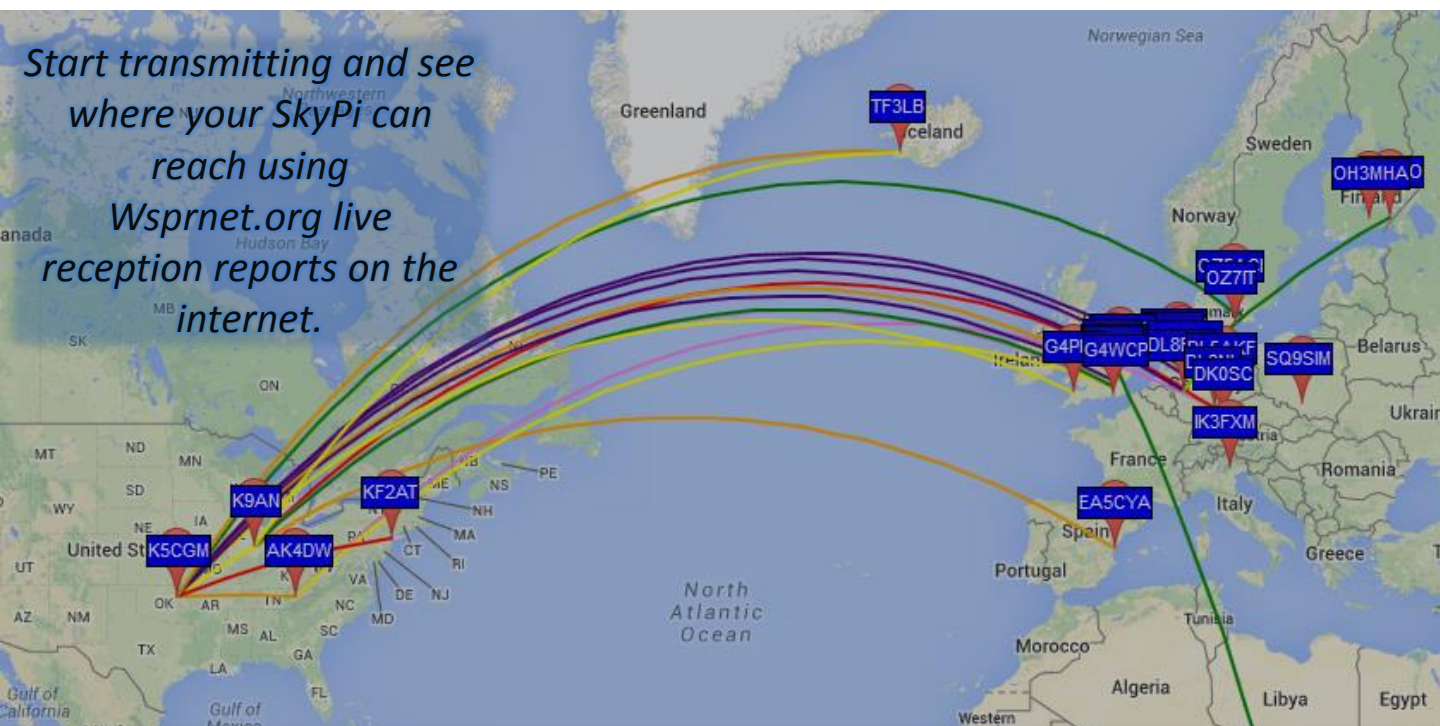




SkyPi is designed for QRP enthusiasts and experimenters who want a modern and versatile software radio created for the **Raspberry Pi**.

The **latest digital modes**, including WSPR, have greatly extended how far low power radios reach. SkyPi is a **1 Watt** radio, as a **kit or fully-assembled**, that transmits CW, RTTY, WSPR, and more using **open-source** software and with **no PC required**.

Start transmitting and see where your SkyPi can reach using Wsprnet.org live reception reports on the internet.

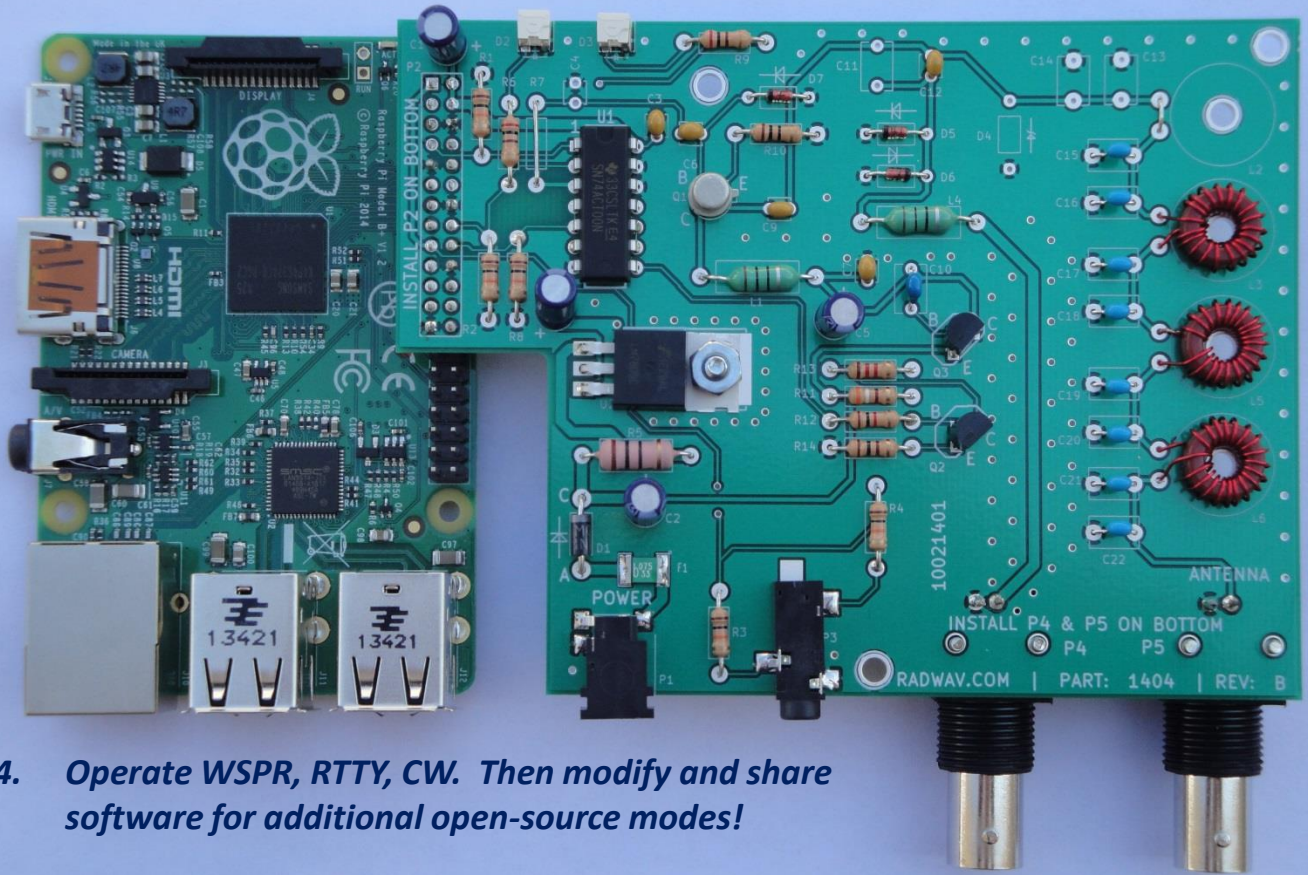


BUILD IT – SPAN THE GLOBE WITH DIGITAL QRP - CUSTOMIZE

- ORDER SkyPi** – SkyPi is available fully-assembled or as an easy-to-built kit. Normally the kit can be completed in an afternoon. SkyPi connects to a Raspberry Pi.
- SPAN the Globe** – Download free and open-source software that will transmit WSPR signals. Then watch distant stations post reception reports on the internet.
- CUSTOMIZE** – Download additional free and open-source software that will transmit RTTY and CW. Then, modify the software to send other modes or create new modes.

HOW IT WORKS – DIGITAL HF QRP without a PC

1. Order SkyPi
2. Connect Raspberry Pi Model B/B+
3. Connect Antenna & +12V



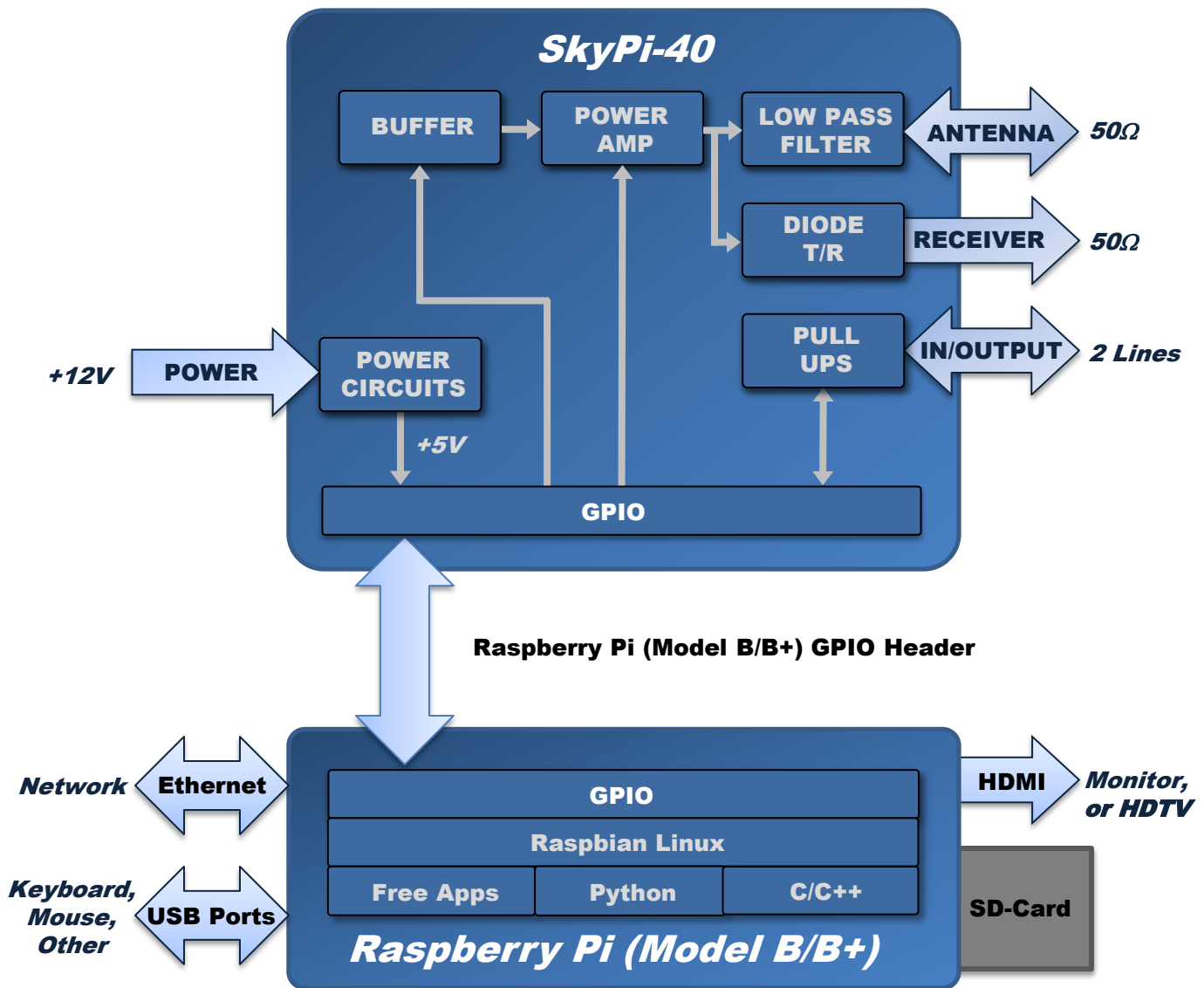
4. Operate WSPR, RTTY, CW. Then modify and share software for additional open-source modes!

GET STARTED

- Order SkyPi** – SkyPi is available at www.radwav.com along with other helpful information and free open-source software downloads.
- Raspberry Pi** – A Raspberry Pi Model B or Model B+ is needed for this kit. Users can simply plug SkyPi onto the Raspberry Pi they already own and remove it at any time. These computers cost approximately \$40 in the US. About 2 Million of these have already been sold, so many SkyPi builders can use the one they already have.
- Software and Support** – Visit www.radwav.com for the latest information and free downloads.
- License** – Transmitting requires a valid license that will provide a unique call-sign. There are many clubs worldwide that provide fun and free classes to help anyone interested qualify for an amateur radio license. Please send e-mail to RadWAV for more information.

Order On-line at www.radwav.com
Customer Service: sales@radwav.com

SkyPi



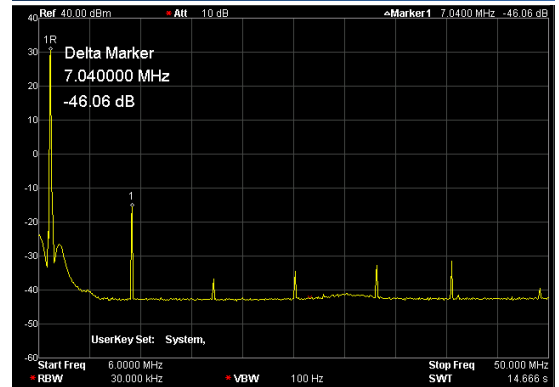
- ❑ **Raspberry Pi** – Use an HDMI display and USB keyboard/mouse to operate the radio. No PC is required to operate the radio or to create new software.
- ❑ **Remote Control** – Use the Ethernet port to remote control the radio over the LAN or Internet. Or, simply use the Ethernet to download software for SkyPi.
- ❑ **Huge and Vibrant Open-Source Software Community** - Program the Raspberry Pi using Python, C, C++, and more. Over 2 Million Raspberry Pi's have been sold, so the on-line community offers many tips and a massive code base.
- ❑ **Spare Input/Output Lines** – Add custom hardware. This could be a simple Morse Code key/Paddles, or it could be a custom display or a brand-new circuit design.

TYPICAL PERFORMANCE

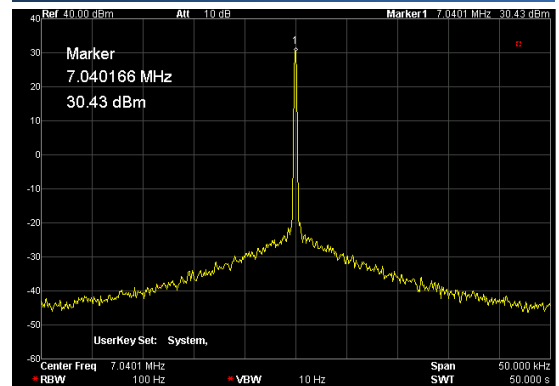
SkyPi is designed to comply with FCC requirements for waveform purity and European RoHS standards for a cleaner environment.

- FREQUENCY COVERAGE SkyPi-40:** 7.0-7.3 MHz (at least)
- POWER OUTPUT:** 1 Watt into 50Ω (±1dB)
 - HARMONIC SUPPRESSION:** -46 dBc
 - SUPPORTED MODES:**
 - WSPR** – Weak Signal Propagation Reporter
 - RTTY** – Radio Teletype
 - CW** – Morse Code
 - Open Source** – Can Develop any FSK mode
 - FREQUENCY ACCURACY:** ±700 Hz
 - FREQUENCY RESOLUTION:** <2 Hz
 - RECEIVER PORT:** Full QSK [Option]
 - POWER REQUIREMENTS [With Raspberry Pi]**
 - +12V @ 390mA- 650mA During Transmit
 - Resettable Fuse and Reverse Polarity Protection Included
 - PORTS**
 - Raspberry Pi GPIO
 - +12V Input [Cable Optional]
 - BNC - Antenna
 - BNC - Receiver Port [Port Optional]
 - Digital I/O Jack [1/8" Stereo] for any two-line input/output device Key/Paddle/Other. [Cable Optional]
 - RoHS:** Components & Circuit Board are RoHS Compliant

HARMONIC SUPPRESSION



SYNTHESIZER SPECTRUM



ORDERING INFORMATION

Part Number	Kit	Assembled	Receiver Port	Raspberry Pi	Manual	SD-Card
SkyPi40-KIT	Yes	No	Not Included	Not Included	PDF	Not Included
SkyPi40-KIT-RX	Yes	No	Included	Not Included	PDF	Not Included
SkyPi40-Z	No	Fully Assembled	Included	Not Included	PDF	Not Included
SkyPi40-Z-PI	No	Fully Assembled	Included	Included	PDF	Included & Programmed

Order from the radwav.com on-line store. Deliveries within the U.S. ship via Priority Mail with package tracking. The full-color manual is delivered via e-mail. Please contact sales@radwav.com for questions or special requests.

Order On-line at www.radwav.com
Customer Service: sales@radwav.com

SkyPi