

WSPR og JT65-HF:
Digitale moder av Nobelprisvinner
K1JT for HF DX med enkelt utstyr

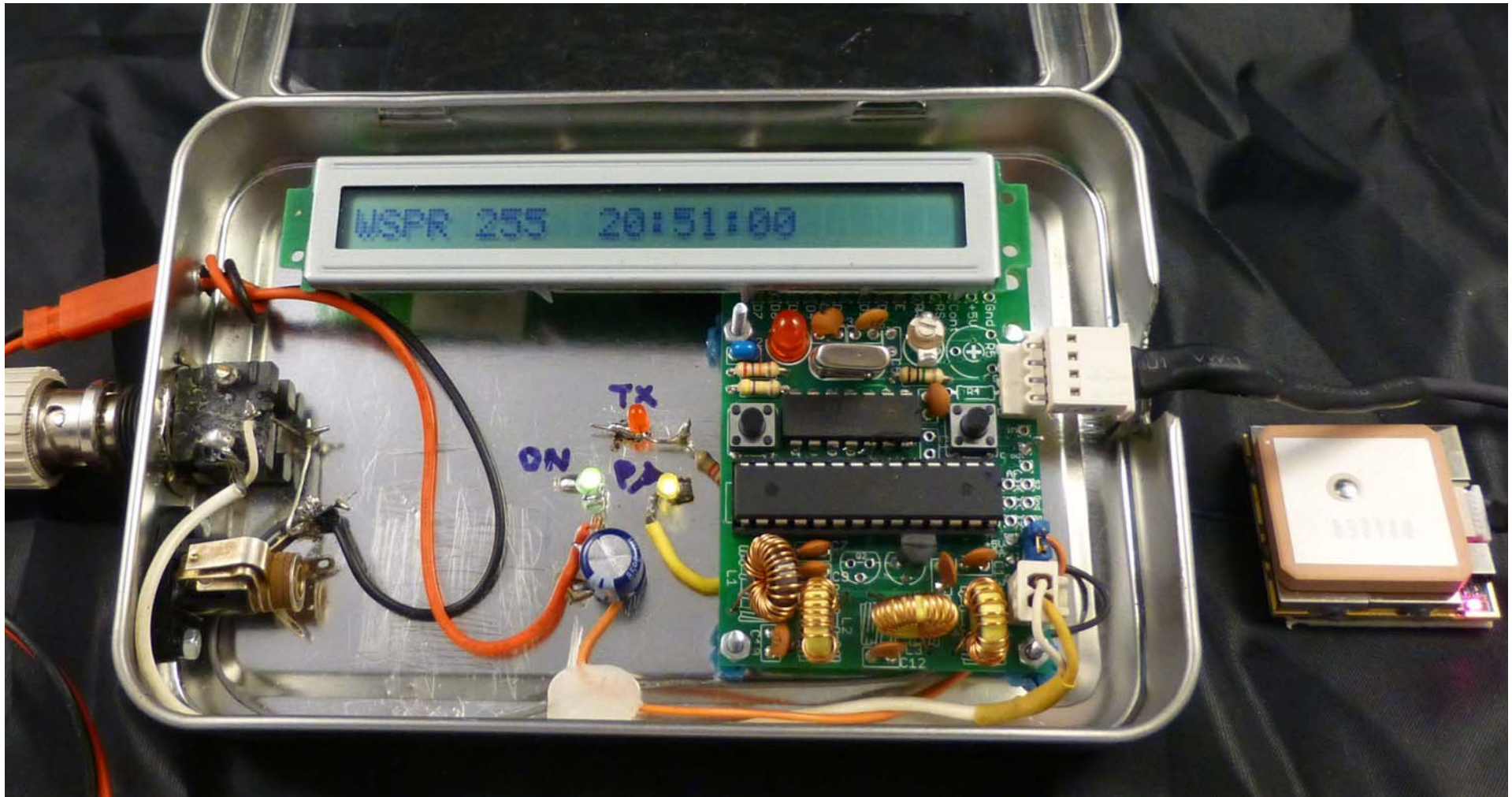
Sverre Holm

LA3ZA

14.3.2013

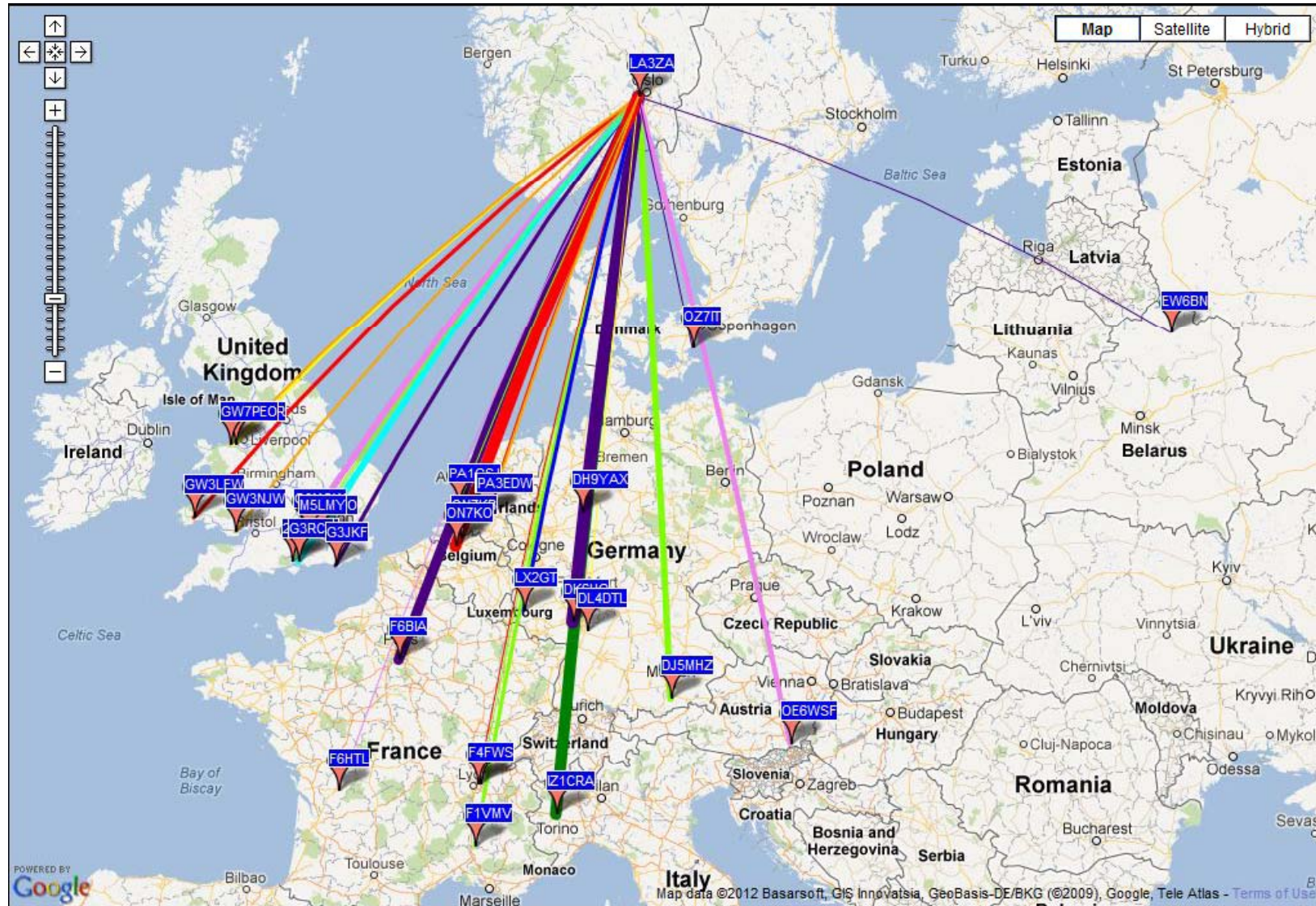
The ultimate QRSS Transmitter Kit, 30m

Steve G0XAR & Hans G0UPL



15.39 GBP + shipping, <http://www.hanssummers.com/grsskitmm.html>

Mine første 24 timer på WSPR



Nobelpris i fysikk 1993

- Joseph Hooton Taylor jr. (f. 1941 i Philadelphia)
- Radioastronom
- Professor ved Princeton University fra 1986
- Nobelpris i fysikk, (m. R A Hulse)
- Oppdagelsen av en ny type pulsar, en oppdagelse som åpnet nye muligheter for studiet av gravitasjon
- K1JT, radioamatør siden tenårene

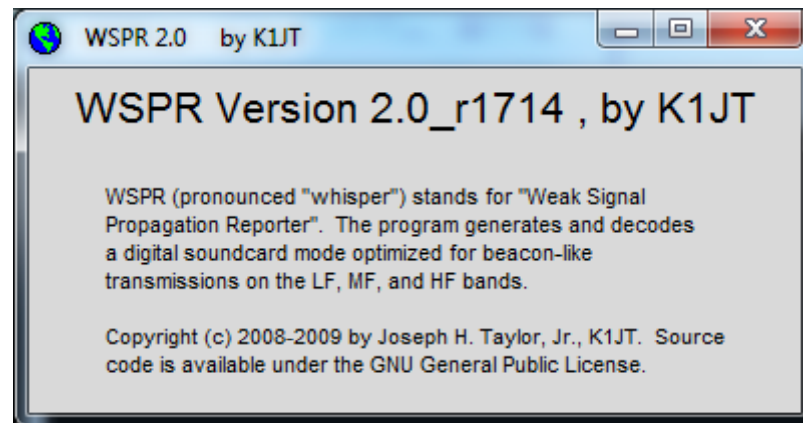


WSPR-frekvenser

Band	Dial Freq	Tx Freq (MHz)
160	1.836 600	1.838 000 – 1.838 200
80	3.592 600	3.594 000 – 3.594 200
40	7.038 600	7.040 000 – 7.040 200
30	10.138 700	10.140 100 – 10.140 300
20	14.095 600	14.097 000 – 14.097 200
17	18.104 600	18.106 000 – 18.106 200
15	21.094 600	21.096 000 – 21.926 200
12	24.924 600	24.926 000 – 24.926 200
10	28.124 600	28.126 000 – 28.126 200
6	50.293 000	50.294 400 – 50.294 600

WSPR-program

- For å se hvor du blir mottatt:
<http://wsprnet.org> – lister eller kart
- For å sende med egen SSB-transceiver og sende mottatte signaler til wsprnet:
– <http://www.physics.princeton.edu/pulsar/K1JT/>



5 des 2012

The screenshot shows the WSPRnet Propagation Map interface. The browser window title is "Propagation Map | WSPRnet - Opera". The address bar shows "wspnnet.org/drupal/wspnnet/map". The page features a world map with call signs and a sidebar with statistics.

Spot Count

- 112,754,377 total spots
- 93,265 in the last 24 hours
- 4,071 in the last hour

Frequencies

USB dial (MHz): 0.136, 0.4742, 0.500, 1.8366, 3.5926, 5.2872, 7.0386, 10.1387, 14.0956, 18.1046, 21.0946, 24.9246, 28.1246, 50.293, 70.091, 144.489

LA3ZA

- My account
- Create content
- Log out

Who's online

There are currently 69 users and 71 guests online.

Online users

- DC2XX
- ON4PC
- LA3ZA
- 4X1DA
- W6II
- OZ2ABB

The map shows call signs: LA9JO, OH8GKF, LA3ZA, RD3AMP, and VK6ZT. A purple line connects LA3ZA to VK6ZT. The sidebar includes navigation controls and map style options (Map, Satellite, Hybrid). The Windows taskbar at the bottom shows the date 05.12.2012 and time 18:53.

JT65 for HF

- **Operators have also begun using the JT65 (A) mode for contacts on the HF bands, often using QRP (very low transmit power);**
- while the mode was not originally intended for such use, its popularity has resulted in several new features being added to WSJT in order to facilitate HF operation.

JT65 HF

- Program JT65-HF-Comfort (W6CQZ, DL3VCO)
 - Se <http://blog.g4ilo.com/2013/02/a-jt65-hf-update.html>
- Lyd inn/ut fra PC <-> K3, bruk USB og VOX
- Triks:
 - Program JT65-HF-Comfort som Administrator
 - Mic gain så 4-5 bars lyser (>5 => ALC)
 - Klokka må stilles daglig
 - Båndbredde 3 kHz
 - AGC off, bruk RF Gain til å sette nivå

Frekvenser for JT65

- 1838 kHz
 - 3576 kHz
 - 7039 (7036), 7076 kHz
 - 10139 kHz
 - 14076 kHz
 - 18102 kHz
 - 21076 kHz
 - 24917 kHz
 - 28076 kHz
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- All frequencies referenced as dial reading in USB mode.