NEW RADIO

Initiative

Modern technology in Amateur Radio



Youngsters On The Air



Next Generation of TRX MULTI MODE AND OPEN FIRMWARE







Old style and new Vision

- Two way radios should not look like in the seventies, but should include modern technology and graphical user interfaces and colour touch screen to avoid multi functional buttons.
- Essentially the New Radio has to have an open firmware enabling software developers to create new applications for innovative experiments in the Amateur Radio Service nowadays.









Future hand held TRX

Specifications

- Specifications for "New Radio" handheld transceiver
- VHF/UHF SDR (138-173Mhz, 400-478MHz)
- 3-5 Watt HF (class AB)
- detachable antenna (SMA connector)
- FM, C4FM, D-Star, DMR, (SSB)
- AMBE, CODEC2
- Colour Touch Screen
- GPS & Bluetooth (Audio+PTT, data transfer)
- GSM, UMTS, LTE (Sim-card)
- HAMNET (5-10Mhz bw) & Wifi (802.11gn)
- Android OS

- Ingress Protection IP67
- detachable Lion-battery (4000mAh)
- Volume- & Frequency knob on top
- Camera, APRS+ Map (OSM)
- external accessories: Speaker-Microphone,
 - □ SD-Memory card, Dockingstation
 - □ host/client USB enabling data transfer
- physical size similar to lphone6
- receiver 1-30MHz, 47-108MHz, 108-138MHz AM, 800-1300MHz
- standard feature set like current models (CTCSS, 1750Hz tone, repeater shift)
- one box or back-plane for lphone





NG Radio & DV4mobile

- Based on our initiative
- There are samples





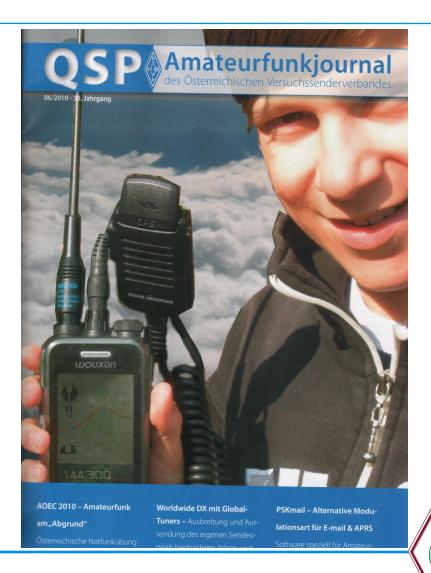




What do you think?

- What is the benefit of Open Firmware?
- What features would you like to see
- What could you do with a Radio that has Android or Linux





Have Fun!



Youngsters On The Air

