



ÖVSV

ÖSTERREICHISCHER VERSUCHSENDEVERBAND
WWW.OEVSV.AT

NEW RADIO Initiative

Modern technology
in Amateur Radio



Youngsters On The Air





ÖVSV

ÖSTERREICHISCHER VERSUCHSSENDEVERBAND
WWW.OEVSV.AT

Next Generation of TRX

MULTI MODE AND OPEN FIRMWARE



Youngsters On The Air

© övsv 2



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.*



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 Iphone6
- 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 Iphone



- 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



Youngsters On The Air





ÖVSV

ÖSTERREICHISCHER VERSUCHSSENDEVERBAND
WWW.OEVSV.AT

Have Fun!



Youngsters On The Air

