



**SDXL Kesäkokous  
2025**

**SDRplay nRSP-ST –  
etäasemademo**

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# Agenda

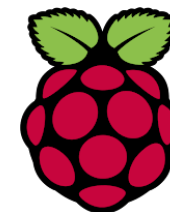
- SDRplay-laitteisto
- SDXL etäasemat FM:lle
- Demo



[SDRplay nRSP-ST - Dig1 verkkokauppa](#)

# SDRplay tuotevalikoima

| Key specifications and highlights                                          | RSP1B | RSPdx-R2 | RSPduo | nRSP-ST |
|----------------------------------------------------------------------------|-------|----------|--------|---------|
| Continuous coverage from 1kHz to 2GHz                                      | ✓     | ✓        | ✓      | ✓       |
| Up to 10MHz visible bandwidth                                              | ✓     | ✓        | ✓      | ✓       |
| 14-bit ADC silicon technology plus multiple high-performance input filters | ✓     | ✓        | ✓      | ✓       |
| Software selectable AM/FM & DAB broadcast band notch filters               | ✓     | ✓        | ✓      | ✓       |
| Additional LF/VLF filter for below 500kHz                                  |       | ✓        |        | ✓       |
| HDR mode below 2MHz for Higher Dynamic Range                               |       | ✓        |        | ✓       |
| 24MHz Reference clock input (+ output on RSPduo)                           |       | ✓        | ✓      | ✓       |
| Dual tuners enabling reception on 2 totally independent 2MHz ranges        |       |          | ✓      |         |
| <b>Networking</b>                                                          |       |          |        |         |
| Built-in Web Server                                                        |       |          |        | ✓       |
| Host computer required (running SDRconnect server)                         | ✓     | ✓        | ✓      |         |
| All-in-one single box solution                                             |       |          |        | ✓       |
| <b>Power</b>                                                               |       |          |        |         |
| 4.7V Bias-T for powering external remote antenna amplifier                 | ✓     | ✓        | ✓      | ✓       |
| Powers over the USB cable with a simple type B socket                      | ✓     | ✓        | ✓      |         |
| Multi-voltage Power adapter included                                       |       |          |        | ✓       |



# **SDRplay nRSP-ST yhteysmuodot**

## Specifications

### Use-case and mode examples:

#### High Speed LAN

- Full IQ
- IQ Lite
- Compact (Audio +Spectrum)
- Access and control remote recording



#### High Speed Internet (WAN)

- Possible Full IQ at lower sample rates
- IQ Lite
- Compact (Audio +Spectrum)
- Access and control remote recording



#### Lower Internet speeds (WAN)

- IQ Lite
- Compact (Audio +Spectrum)
- Access and control remote recording



#### SDRconnect for web browsers (e.g. including iOS & Android)

- Compact (Audio +Spectrum)
- Access and control remote recording



#### Multiple users

- Mixture of SDRconnect web browsers and regular SDRconnect clients
- Modes depend on end-to-end internet speeds

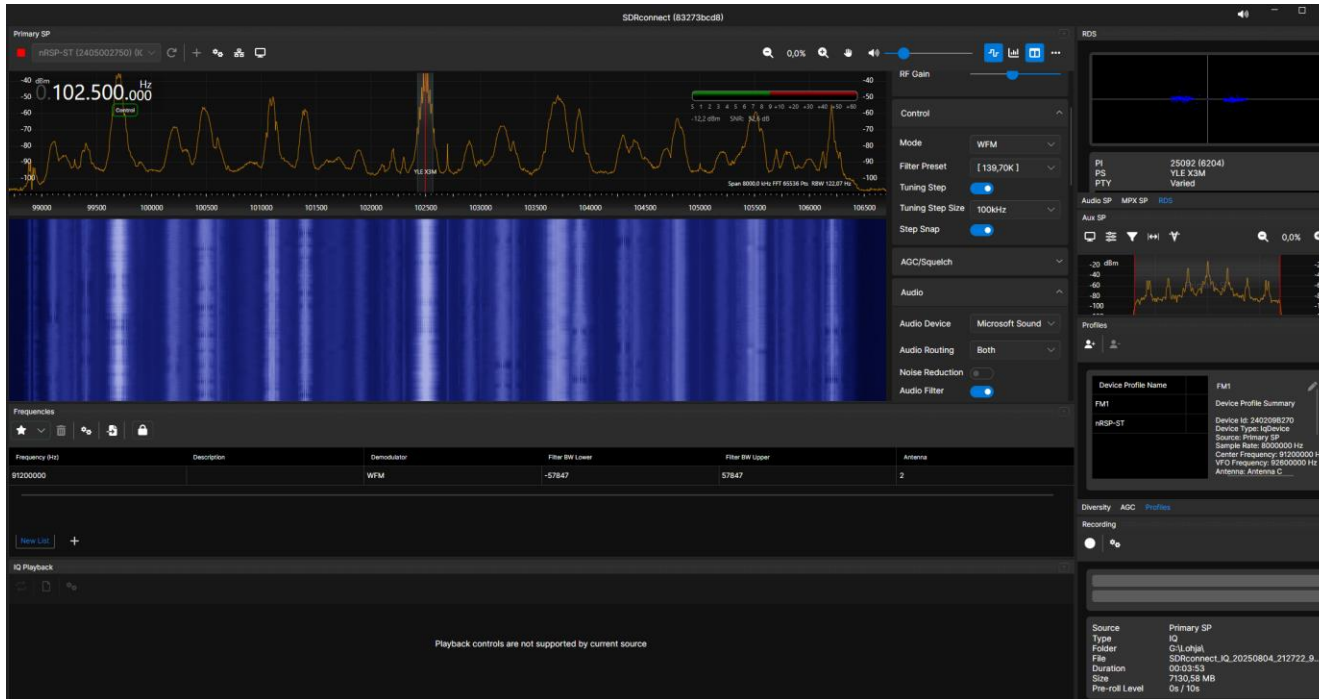


# Sovellukset

- SDRconnect
- SDRuno
- SDR-Console
- HDSDR (extio-plugin)
- CubicSDR
- SoapySDR
- ...

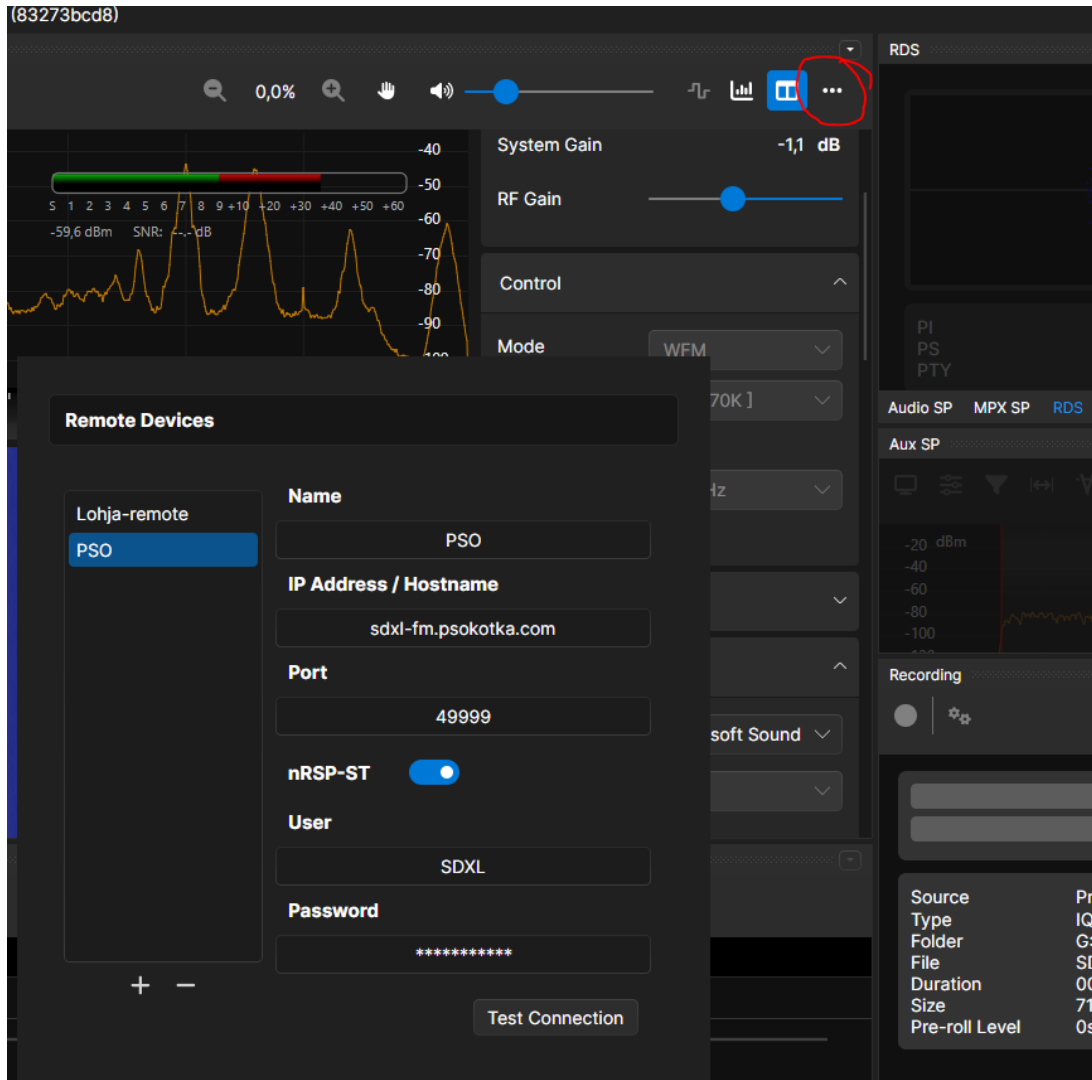


# Huomioitavaa



- Ensimmäinen käyttäjä “kontrolloi rautaa”
  - Antennivalinta
  - RF Gain
  - Kaistanleveys ja “asemointi
- Käytä vaikka kännykällä
- Odotettua päivityksiä
  - Kaistatallennuksen aloitus etänä
  - Tallenteiden kuuntelu etänä

# SDXL etäasemat



Keväällä 2025 SDXL hankki kaksi nRSP-ST laitetta jäsenkäyttöön

- Raasepori
  - <http://jwedx.ddns.net:9001>
    - Username: SDXL
    - Password: FM
  - SDRconnectilla portti 50000
- Kotka
  - <http://sdxl-fm.psokotka.com:48888>
    - Username: SDXL
    - Password: FM
  - SDRconnectilla portti 49999
- Lohja
  - <http://lohjadx.ddns.net:9001/>
    - SDRconnectilla portti 8074