# SmartSDR Features by Version and Radio



Included · Select models (listed) · Not available · Basic SmartSDR Basic · SmartSDR+ SmartSDR+ or SmartSDR+ Early Access

| Feature | License | FLEX-6000<br>6300 · 6400(M) · 6500<br>6600(M) · 6700 | FLEX-8000<br>8400(M)<br>8600(M) | Aurora<br>AU-510(M)<br>AU-520(M) |
|---|---|---|---|---|
| **v4.0 New in SmartSDR v4.0** | | | | Released **v4.0.1** · October 30, 2025 |
| **NR**<br>Improved noise reduction for uncorrelated “white” noise | Basic | ✓ | ✓ | ✓ |
| **NB**<br>Blanks fast rise time pulse noise such as sparks | Basic | ✓ | ✓ | ✓ |
| **ANF**<br>Improved notch for persistent unwanted signals | Basic | ✓ | ✓ | ✓ |
| **Relative Noise Floor Scaling**<br>Keeps the noise floor at a consistent display level | SmartSDR+ | ☐ | ✓ | ✓ |
| **ESC**[1]<br>Diversity beamforming and nullforming across two antennas | SmartSDR+ | ☑<br>6600(M) · 6700 | ☑<br>8600(M) only | ☑<br>AU-520(M) only |
| **CW AutoTune**<br>Tunes to the strongest CW signal, One Shot or Intermittent | SmartSDR+ | ✓ | ✓ | ✓ |
| **DVK**<br>Record and transmit up to 12 voice messages stored on the radio | SmartSDR+ | ✓ | ✓ | ✓ |
| **NRF**<br>Spectral subtraction filtering for stationary noise | SmartSDR+ | ☐ | ✓ | ✓ |
| **NRL**<br>Noise reduction using a leaky normalized LMS algorithm | SmartSDR+ | ✓ | ✓ | ✓ |
| **NRS**<br>Spectral subtraction with voice activity detection | SmartSDR+ | ☐ | ✓ | ✓ |
| **RNN**<br>AI noise suppression using a recurrent neural network | SmartSDR+ | ☐ | ✓ | ✓ |
| **ANFL**<br>LMS notch that removes loud hums and tones | SmartSDR+ | ✓ | ✓ | ✓ |
| **ANFT**<br>FFT notch that removes up to five tones | SmartSDR+ | ✓ | ✓ | ✓ |

**1** ESC requires a radio with two SCUs: FLEX-6600(M), FLEX-6700, FLEX-8600(M) and AU-520(M).

## How SmartSDR v4 licensing works

**Basic**

Free for all radios. Includes all bug fixes and select minor feature enhancements.

**SmartSDR+**

Optional one-year license. Includes every new v4 major feature released during the license period. Features are kept after the license expires.

**SmartSDR+ Early Access**

Everything in SmartSDR+, with new features about 30 days earlier, plus an invitation to give feedback on preview software.

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| Feature | License | FLEX-6000<br>6300 · 6400(M) · 6500<br>6600(M) · 6700 | FLEX-8000<br>8400(M)<br>8600(M) | Aurora<br>AU-510(M)<br>AU-520(M) |
|---|---|---|---|---|
| **v4.2 New in SmartSDR v4.2** | | | | Released **v4.2.20** · June 3, 2026 |
| **DAX v2**<br>Re-architected DAX with lower latency and better stability | Basic | ✓ | ✓ | ✓ |
| **USA 60 m Update**<br>Changes for the USA 60 m band | Basic | ✓ | ✓ | ✓ |
| **ARM Support**<br>Native x64 and ARM 64-bit SmartSDR for Windows and DAX | Basic | ✓ | ✓ | ✓ |
| **IARU Band Plan**<br>Color-coded IARU band plan with band edge markers | SmartSDR+ | ✓ | ✓ | ✓ |
| **RX Filters**<br>Mode-specific, user configurable receive filter presets | SmartSDR+ | ✓ | ✓ | ✓ |
| **TX Filter**<br>Shows the transmit filter bandwidth on the panadapter | SmartSDR+ | ✓ | ✓ | ✓ |
| **SmartSignal**<br>Adaptive predistortion (APD) | Basic | ☐ | ✓ | ✓ |

## SmartSDR v4 release history

| VERSION | DATE | RELEASE TYPE | WHAT IT DELIVERED |
|---|---|---|---|
| **v4.0.1** | Oct 30, 2025 | Early Access | v4.0 features for SmartSDR+ Early Access |
| **v4.1.3** | Dec 3, 2025 | SmartSDR+ Feature Access | Aurora support; v4.0 features activated for SmartSDR+ |
| **v4.1.5** | Dec 16, 2025 | Bug fix | Bug fix release with no new features |
| **v4.2.18** | Apr 28, 2026 | Early Access | v4.2 features for SmartSDR+ Early Access |
| **v4.2.20** | Jun 3, 2026 | SmartSDR+ Feature Access | v4.2 features activated for SmartSDR+ |
| **v4.3.16** | Oct 13, 2026 | Early Access | v4.3 features for SmartSDR+ Early Access |
| **v4.3.19** LATEST | Nov 17, 2026 | SmartSDR+ Feature Access | v4.3 features (AutoDX, Auto AGC-T) activated for SmartSDR+; adds Tune TX Suppression for all radios |

Early Access releases deliver new SmartSDR+ features to SmartSDR+ Early Access license holders first. The SmartSDR+ Feature Access release that follows activates them for all SmartSDR+ license holders, approximately 30 days later. Every release is available to all radios, and all bug fixes are included in SmartSDR Basic.

# SmartSDR Features by Version and Radio



Included · Select models (listed) · Not available · **Basic** SmartSDR Basic · **SmartSDR+** SmartSDR+ or SmartSDR+ Early Access

| Feature | License | FLEX-6000<br>6300 · 6400(M) · 6500<br>6600(M) · 6700 | FLEX-8000<br>8400(M)<br>8600(M) | Aurora<br>AU-510(M)<br>AU-520(M) |
|---|---|---|---|---|
| **v4.3 New in SmartSDR v4.3** | | | Released **v4.3.19** · November 17, 2026 | |
| **Tune TX Suppression** NEW IN v4.3.19<br>Keeps the TX1 to TX3 RCA outputs off during TUNE, set per band | Basic | ✓ | ✓ | ✓ |
| **AutoDX (ADX)**<br>Works a CW DX pile-up for you, with a built-in CW decoder | SmartSDR+ | ☐ | ✓ | ✓ |
| **Auto AGC-T**<br>Sets the AGC threshold automatically from the noise floor | SmartSDR+ | ✓ | ✓ | ✓ |
| **DSP Controls Panel**<br>On/off and level controls for the noise algorithms | Basic | ✓ | ✓ | ✓ |
| **DSP Controls Panel, Advanced**<br>Per-algorithm parameters such as delay, taps and leakage | SmartSDR+ | ✓ | ✓ | ✓ |
| **Noise Floor Range**<br>Sets how far the noise floor moves before the display repositions | SmartSDR+ | ☐ | ✓ | ✓ |
| **CW Profiles**<br>Save and switch keyer, sidetone and CWX settings | Basic | ✓ | ✓ | ✓ |
| **PTT Override**<br>Choose which audio source hardware PTT transmits | Basic | ✓ | ✓ | ✓ |
| **Toggle Break-in F-Key**[2]<br>Turns CW break-in on and off with one key press | Basic | ✓ | ✓ | ✓ |
| **NTP Time Sources**<br>Up to 10 NTP sources for the radio clock | Basic | ☐ | ✓ | ✓ |
| **Confirm Exit (CAT and DAX)**<br>Optional close confirmation in SmartSDR CAT and DAX | Basic | ✓ | ✓ | ✓ |

**2** Toggle Break-in F-Key requires an M model or a radio connected to a Maestro.

v4.3 features first shipped to SmartSDR+ Early Access in v4.3.16 (October 13, 2026). v4.3.19 activates them for all SmartSDR+ license holders.

Tune TX Suppression is set per band in TX Band Settings (“Tune Supp”). Enable it on bands where an amplifier is keyed from a TX RCA output.