SmartSDR+ v4.3.19 Release Notes

Version	Release Date	Release Theme/Title
4.3.19	2026-11-17	v4.3 new feature access for SmartSDR+ licensed radios and Tune TX Suppression

SmartSDR Basic™ and SmartSDR+™ v4.3.19 is a **SmartSDR+ Feature Access** software and firmware release for Aurora™, FLEX-8000™, and FLEX-6000™ series SDRs, as well as Maestro™. This version supersedes all previous SmartSDR releases and is available to all users. Access to new features in this release is available to all SmartSDR+ feature license holders.

Important Release Information

Before upgrading, please review all sections marked as **IMPORTANT** for upgrade prerequisites and other critical information. There are multiple important notices associated with SmartSDR v4.3.19. You should understand these changes before upgrading from a previous version of SmartSDR. Please open a HelpDesk support ticket if you have questions.

Important Notice:

SmartSDR v4.3.19 is a Feature Access Release. This version of SmartSDR activates the new features included in SmartSDR v4.2.18 for all radios that have a SmartSDR+ Feature license installed. It also contains a new feature and bug fixes; it is recommended that all users upgrade to SmartSDR v4.3.19. For information regarding the new features introduced in SmartSDR v4.3.16, please refer to the SmartSDR v4.3.16 Release Notes. Remember, it's a "best practice" to read the SmartSDR Release Notes before installing a new version.

Important Notice:

The DVK Function Key memories in Maestro/M will be deleted as part of the upgrade from v4.2 or below, due to resolving several problems in the v4.2 code that have since been fixed. Migration would have carried the problems forward**. The deletion of DVK memories in Maestro/M does not occur when upgrading from v4.3.16.**

New v4.3.19 Features at a Glance

Feature	Needed Feature License	Supported Radio Models
Tune TX Suppression	SmartSDR Basic	FLEX-6000 Series, FLEX-8000 Series, Aurora

| Copyright 2026 FlexRadio, Inc. | SmartSDR v4.3.19 Release Notes |

SmartSDR+ v4.3.19

New SmartSDR+ and Basic Features:

These are the new features introduced in the SmartSDR+ v4.3.16 Early Access release plus new features in SmartSDR v4.3.19 that are now available.

Feature	Description
Tune TX Suppression	*SmartSDR Basic. FLEX-6000, FLEX-8000 Series and Aurora radios* Tune TX Suppression keeps the TX1, TX2, and TX3 RCA outputs inactive while the radio is in TUNE. You set it per band in TX Band Settings, where it appears as Tune Supp to fit the column width. This is useful if you key an amplifier from an RCA TX output. With Tune TX Suppression enabled for a band, the amplifier stays out of line while you tune and comes back when TUNE ends. Enable it on the bands where you run an amplifier, and leave it off everywhere else. Operating Instructions: How to Use the Tune TX Suppression Feature
AutoDX (ADX)	*SmartSDR+ Early Access. FLEX-8000 Series and Aurora radios* AutoDX decodes received CW to on-screen text and can automatically work a split pile-up on your behalf. Enter the DX callsign and your exchange, and AutoDX listens for the DX station, calls when it hears the selected trigger, sends your exchange when the DX station comes back to you, and counts the completed QSO. Decoded traffic stays on screen, and keying the paddle or CWX hands control back to you instantly. • Requires two CW Slices on different frequencies (one TX enabled) and a callsign set on the radio. • Adjustable TX delay, reply delay, call attempts, give-up timer, and automatic restart. • Built-in CW decoder with WPM, SNR, and lock indication, usable with or without AutoDX enabled. • Available in SmartSDR for Windows (ADX window) and on Maestro and M-Models (AUTODX panel and Toggle AutoDX F-Key). Operating Instructions: How to Use the AutoDX (ADX) Feature
Auto AGC-T	*SmartSDR+ Early Access. FLEX-6000 Series, FLEX-8000 Series, and Aurora radios.* Auto AGC-T sets the AGC Threshold for each Slice automatically from a long-term measurement of the adjacent noise floor, keeping the threshold well set as you change bands and antennas and as band conditions change. It ignores short-term transients such as lightning crashes. Auto AGC-T is off by default and is enabled per Slice; adjusting AGC-T by hand returns the Slice to manual control. Operating Instructions: How to Use the Auto AGC-T Feature

SmartSDR Changelog Highlights:

Below are Changelog highlights for SmartSDR v4.3.19. Some bug fixes and features may be specific to radio hardware platforms and SmartSDR+ feature license holders.

Feature/Defect	Description
SMART-13286	The following features released in v4.3.16 for Early Access are now available to SmartSDR+ licensed radios. - Auto AGC-T - AutoDX
SMART-13480	New Tune TX Suppression (Tune Supp) column in the TX Band Settings in SmartSDR and Maestro. When enabled, TX1, TX2, and TX3 RCA outputs are left off while the radio is in TUNE but active during MOX. This is useful when keying an amplifier from an RCA TX output but want to keep the amplifier out of line while tuning.
SMART-13315	Fixed the AutoDX CW Decoder reporting a slower WPM than the incoming CW
SMART-13316	Fixed the AutoDX CW decoder displaying gibberish while transmitting
SMART-13327	Fixed Auto AGC-T so it works in CW, DIGU, DIGL, and RTTY
SMART-13341	AutoDX is now available in Maestro SmartControl mode
SMART-13376	Fixed View Unlocked Features showing "MultiFLEX" instead of "multiFLEX"
SMART-13377	Maestro: Toggle AutoDX no longer appears in the function key menu when AutoDX isn't licensed or functional (e.g., FLEX-6000 Series)
SMART-13378	Fixed a duplicate separator in the SmartSDR for Windows Panadapter > Display menu (FLEX-6000 series only)
SMART-13379	Maestro: Fixed the AGC annunciator clipping with Auto AGC-T
SMART-13428	Fixed: Radio static IP setup leaving the radio without DNS, which broke SmartLink (FLEX-8000 and Aurora series only)
SMART-13456	Fixed the radio reporting the wrong subnet mask with a static IP address
SMART-13458	Fixed a missing space between the Mask label and its value on the Radio Setup Network tab
SMART-13483	Fixed the first link-local connection to a FLEX-6000 series radio failing (FLEX-6000 series only)
SMART-13593	Fixed an Unhandled Exception: Object reference not set to an instance of an object related to DVK recordings
SMART-13599	Fixed 8000/Aurora radio updates failing when the radio was using a Static IP
SMART-13598	Fixed an issue where the Maestro wouldn't properly connect to the radio, leaving a blank Panafall

Please refer to the SmartSDR v4 Changelog for a complete listing of all SmartSDR v4 software and firmware changes.

Description of SmartSDR Basic, SmartSDR+, and SmartSDR+ Early Access Feature License Tiers:

SmartSDR v4 Basic

SmartSDR v4 Basic is free and includes all bug fixes and select minor feature enhancements for most radio models. We strongly encourage all customers to upgrade to SmartSDR v4. Staying current with the latest release ensures you have the newest bug fixes, improved compatibility, and access to the latest features your license includes.

Upgrading to SmartSDR v4 Basic gives you all bug fixes and minor enhancements from previous versions, but major features depend on your existing license:

- **Radios licensed for SmartSDR v3** keep all SmartSDR v3 features when running SmartSDR v4.
- **Radios licensed for SmartSDR v2** do not receive multiFLEX, the major feature introduced in SmartSDR v3.
- **Radios licensed for SmartSDR v1** do not receive multiFLEX or SmartLink, the major feature introduced in SmartSDR v2.

SmartSDR+ Feature License

SmartSDR+ is an optional one-year feature license. With an active SmartSDR+ license, you gain or retain access to all major features from SmartSDR v2 and v3, plus every new SmartSDR v4 major feature released during your license period.

Radios with a SmartSDR+ license receive new SmartSDR v4 features approximately 30 days after their initial release, through a follow-up feature access software release. To get new features immediately, you need a SmartSDR+ Early Access license (see below).

When your license expires, you keep every feature you received during that period. To get features released after it ends, simply renew your SmartSDR+ license for another year.

SmartSDR+ Early Access Feature License

SmartSDR+ Early Access Feature License is an optional one-year license that includes all the features and benefits of the SmartSDR+ Feature License, plus access to new features approximately 30 days before they reach standard SmartSDR+ Feature License customers.

SmartSDR+ Early Access Feature License participants are also invited to share feedback on the preview software with our software engineering and product management teams, helping shape future SmartSDR releases.

SmartSDR v4 Best Practices

Best Practices for Installing SmartSDR

A*lways* back up your Global, TX (transmit), CW, and Microphone Profiles. For step-by-step instructions on exporting your profiles to a file on your PC, refer to the SmartSDR for Windows Software User's Guide. It is strongly recommended that you export all profiles before upgrading to version 4.3.16. Maintaining a current set of exported profiles is a best practice and helps protect against unexpected data loss. Switching between different versions of SmartSDR can result in profile incompatibilities or loss of data if backups are not available.

Ensure your Windows operating system is up to date before installing SmartSDR for Windows. Proper operation of SmartSDR and its associated drivers depends on a supported and current Windows environment, including up-to-date root security certificates. It is strongly recommended that you run Windows Update and install all available mandatory and optional updates before installing SmartSDR for Windows to help ensure optimal performance and compatibility.

Power cycle the radio before installing a new version of SmartSDR for Windows. To help ensure a smooth and reliable upgrade, it is recommended that you restart the radio before installing the SmartSDR for Windows software on your PC and updating the radio firmware.

Perform a "Cold Boot" of the radio after upgrading the radio firmware. Using the power button, shut down the radio, then disconnect the power. After approximately 30 seconds, reconnect the power. After restoring power, wait at least two minutes before booting the radio. This process ensures a complete reset and helps promote proper operation.

Managing SmartSDR installed on other devices. If using Maestro or other PCs running SmartSDR, update all devices at the same time to ensure a consistent operating experience and to avoid radio firmware upgrade/downgrade delays.

Always perform a Factory Reset of your Radio when Downgrading the Radio Firmware: Downgrading to a previous version of SmartSDR is not recommended, as the internal database used by Aurora, FLEX-8000, and FLEX-6000 radios is not backward compatible. If a downgrade is required, a Factory Reset is necessary to ensure the radio's internal database aligns properly with the installed version of SmartSDR firmware and to prevent potential inconsistencies or operational issues.

Important: If the radio is not operating properly immediately after upgrading, please perform a factory reset and refrain from importing any exported profiles. The database may be inconsistent and require resetting to a default state. In addition, do not import a database using a profile export created with a *newer version* of SmartSDR than the version currently installed on your radio. Profile export filenames include the SmartSDR version used at the time they were created, making it easy to verify compatibility before importing. Using a newer profile with an older firmware version can result in database inconsistencies or operational issues.

The procedure for performing a factory reset, How to Perform a Radio Cold Boot and Factory Reset, is described below.

Best Practices for installing SmartSDR for an "M" Model or Maestro

The following best practices are applicable only when installing a new version of SmartSDR on a Maestro.

Both the Maestro and "M' Model radios must have network access that allows connectivity to the Internet to download the new SmartSDR software.

Ensure your Maestro has a reliable power source. Make certain the supplied AC adapter is used to power the unit. This prevents the Maestro from losing power during an update.

Ensure your Maestro has a reliable network connection. The Maestro and radio firmware are upgraded entirely through the network connection. When upgrading a Maestro, a wired Ethernet connection is recommended; wired Ethernet connections are faster and more reliable than Wi-Fi.

How to Perform a Radio Cold Boot and Factory Reset

This procedure performs a complete cold boot and factory reset of your radio. Follow the steps in order and observe every wait time, which ensures the radio's processors reset properly.

Before You Begin

- Power off accessories. If you have a PGXL, TGXL, or Antenna Genius, make sure each one is powered off.
- Close all connected software. Shut down any program that interfaces with the radio, such as loggers, digital mode programs, and NodeRed devices.
- Disconnect the REM ON cable. If a cable is connected to the REM ON connector on the back of the radio, remove it before starting. You can reconnect it after the reset is complete.

Part 1: Power Cycle the Radio

1. Power off the radio. Press and release the Power button, then wait for the power LED to turn off. If a FLEX-6000 GPSDO is installed, wait for the LED to turn amber instead.
2. If the radio does not shut down, press and hold the Power button until it does.
   - If that doesn't work, turn off the DC power supply.
   - Wait 2 minutes. This gives all processors time to shut down properly.
3. Disconnect power for at least 30 seconds.
   - All radios except Aurora: Unplug the DC power cable from the radio. Do not simply turn off the power supply. Unplugging the cable is required for a complete reboot of the radio's processors.
   - Aurora: Turn off the AC power switch on the back of the radio.
4. Restore power.
   - All radios except Aurora: Reconnect the DC power cable and turn on your power supply.
   - Aurora: Turn the AC power switch back on.
5. Wait 2 minutes. This allows the internal PSoC processor to boot completely. Do not continue until the time has passed.

Part 2: Perform the Reset

Follow the steps for your radio model.

FLEX-6700 and FLEX-6500

1. Press and hold the OK button, and while holding it, press and release the Power button.
2. Release the OK button when the power LED turns white.
3. Allow the radio to continue booting normally. The reset is complete when the power LED is solid green.

Aurora, FLEX-6300, FLEX-6x00(M), and FLEX-8x00(M)

1. Press and hold the Power button for about 5 seconds, until the power LED turns white.
2. Release the button and allow the radio to continue booting. The LED flashes green while booting.
3. The reset is complete when the power LED is solid green.

Note: The radio may take a few minutes to start booting. Please be patient and let it finish.

After the Reset

Do **not** load any previously exported (saved) profiles yet. First, test whether the problem you were experiencing still occurs. Inconsistent or corrupted profiles can cause the problem, and loading them right away could reintroduce it.

Uninstalling Previous Versions of SmartSDR for Windows – Is It Necessary?

In general, the answer is no, but there are considerations when more than one version of SmartSDR is maintained on your system.

Currently, every version of SmartSDR for Windows is installed independently of the others, permitting the use of previous versions and supporting convenient version switching of both software and radio firmware as long as there are no software or database dependencies that prevent backward compatibility.

Known Issues and Caveats:

Reverting to previous versions of SmartSDR is not recommended. **However, if you revert from any version of SmartSDR to a previous version, you must perform a factory reset of your radio**. Database incompatibilities may result in operational anomalies when reverting to previous versions of SmartSDR. It is recommended that a factory reset be performed after downgrading to ensure the database schema is 100% compatible with the version being used.

End of 32-bit Windows Support. With the transition in SmartSDR v4.2 to providing support for 64-bit (x64) and ARM 64-bit systems, SmartSDR for Windows will no longer operate on 32-bit versions of Windows.

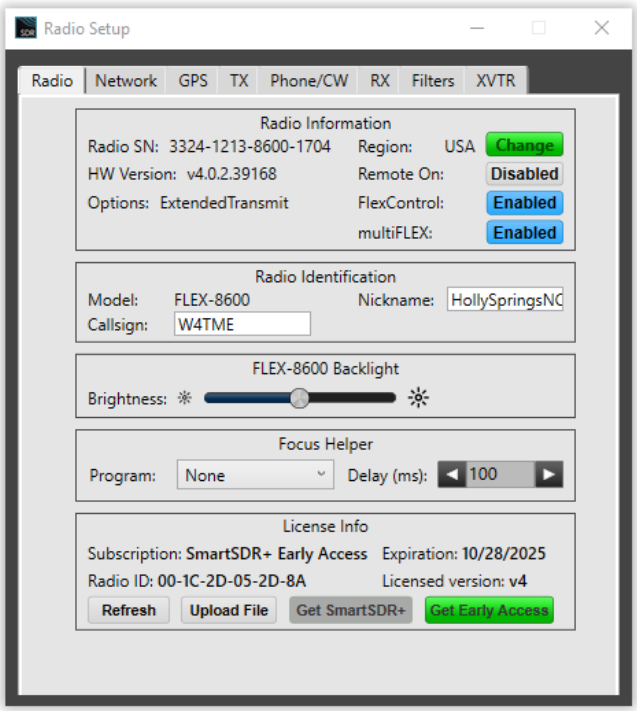
Purchasing SmartSDR+ Feature Licenses:

Starting with SmartSDR v4.0, you can choose to purchase a one-year SmartSDR+ or SmartSDR+ Early Access feature license to access the new SmartSDR v4 features. See the Description of SmartSDR Basic, SmartSDR+, and SmartSDR+ Early Access Feature License Tiers section for more information.

Use the following procedures to purchase a SmartSDR+ feature license for your radio. Once purchased, the SmartSDR+ Feature License or the SmartSDR+ Early Access Feature License is installed on the radio used to purchase the feature license. If you own multiple Aurora, FLEX-8000, or FLEX-6000 radios, each radio will need its own feature license.

SmartSDR for Windows

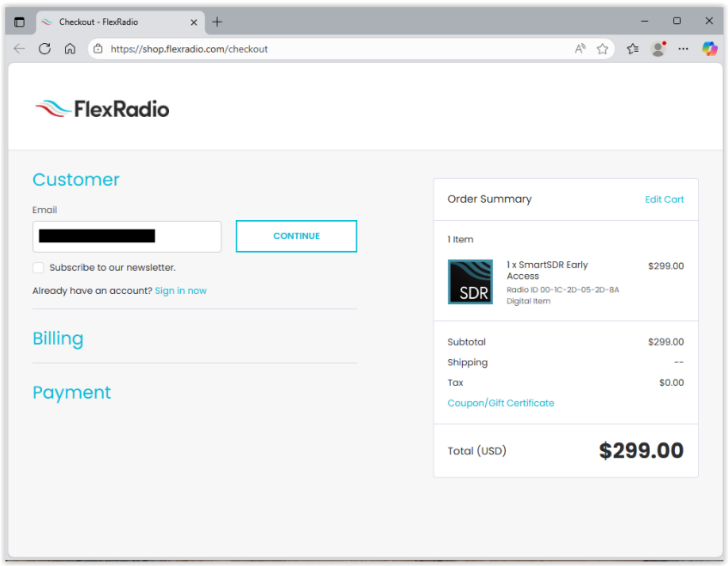
1. **Open SmartSDR v4 for Windows** on your PC.
2. **Connect to the radio** for which you want to install the feature license. *This step is mandatory before proceeding.*
3. From the **menu bar**, select **Settings → Radio Setup → Radio** tab.
   The **Radio Setup** window will appear.



4. In the **License Information** area:
   - If the **Get SmartSDR+** or **Get Early Access** buttons are *grayed out*, the radio already has the corresponding feature license installed. The option(s) in green are available for purchase.

     (Note: In this example, even though the radio has a valid SmartSDR+ Early Access feature license that expires on 10/28/2025, the "Get Early Access" button was green because it is within 30 days of the feature license expiring.)
   - To **purchase a feature license**, click the appropriate button:
     - **Get SmartSDR+** – for a standard SmartSDR+ Feature License.
     - **Get Early Access** – for the SmartSDR+ Early Access Feature License option.

5. The **Purchase** web page will appear.
    - Enter your **email address**.
    - Click **Continue**.
    (Note: the email address in the example image is redacted.)



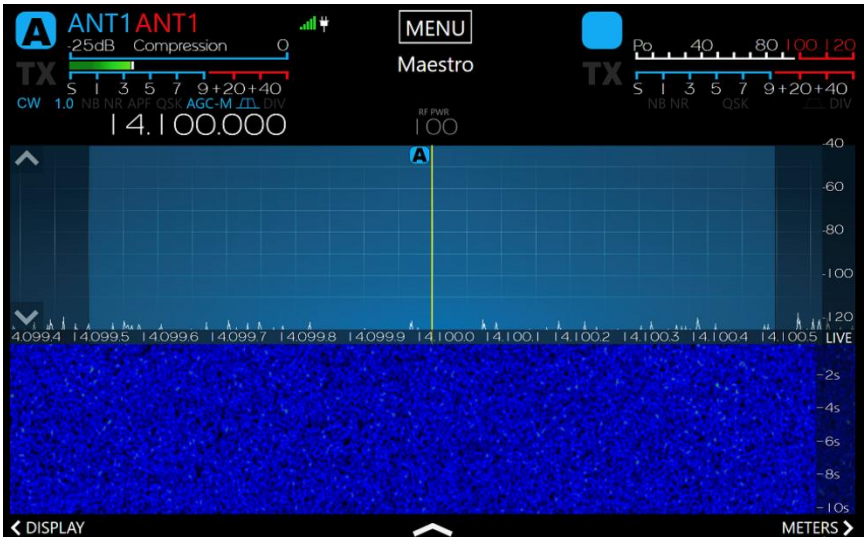
6. The **Billing** web page will appear.
    - Enter your **billing information**.
    - Click **Continue** when finished.

7. The **Payment** web page will appear.
    - Enter your **payment method**.
    - For the *Require Signature at Delivery* option, select **No**.
    - Click **Place Order** to complete your purchase.

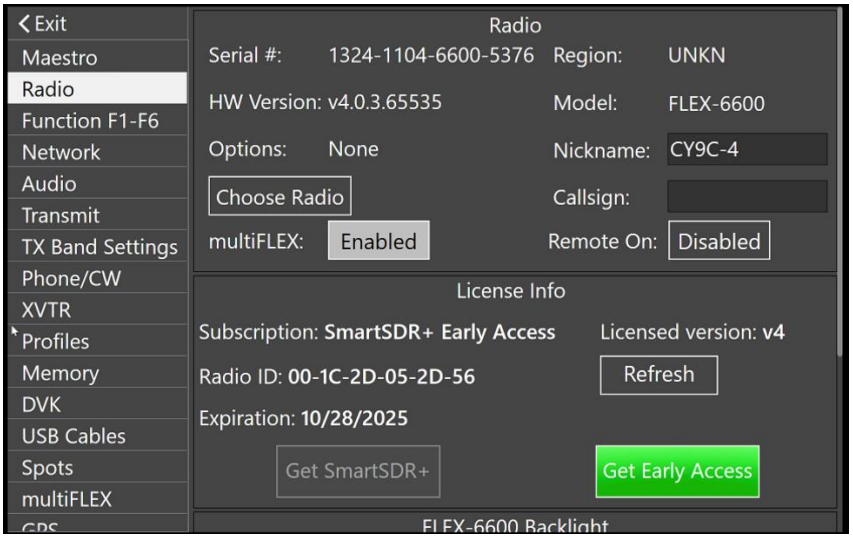
8. Once the SmartSDR+ Feature License has been purchased, install the newly purchased license by clicking on the Refresh button in the **License Info** section of the **Radio Setup -> Radio** tab.

SmartSDR for Maestro and M Model Radios

1. From the main screen, tap the **MENU** button located at the top center of the screen.



2. Select the **Radio** submenu located on the left-hand side bar, as shown below.



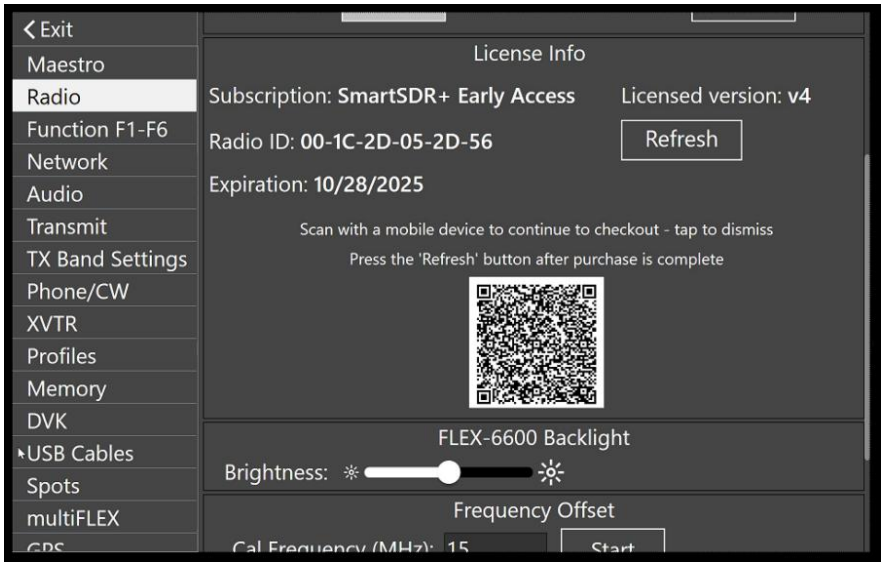
3. In the **License Information** area:

   - If the **Get SmartSDR+** or **Get Early Access** buttons are *grayed out*, the radio already has the corresponding feature license installed. The option(s) in green are available for purchase.
   - To **purchase a SmartSDR+ Feature License**, click the appropriate button:
     - **Get SmartSDR+** – for a standard SmartSDR+ license.
     - **Get Early Access** – for the SmartSDR+ Early Access option.

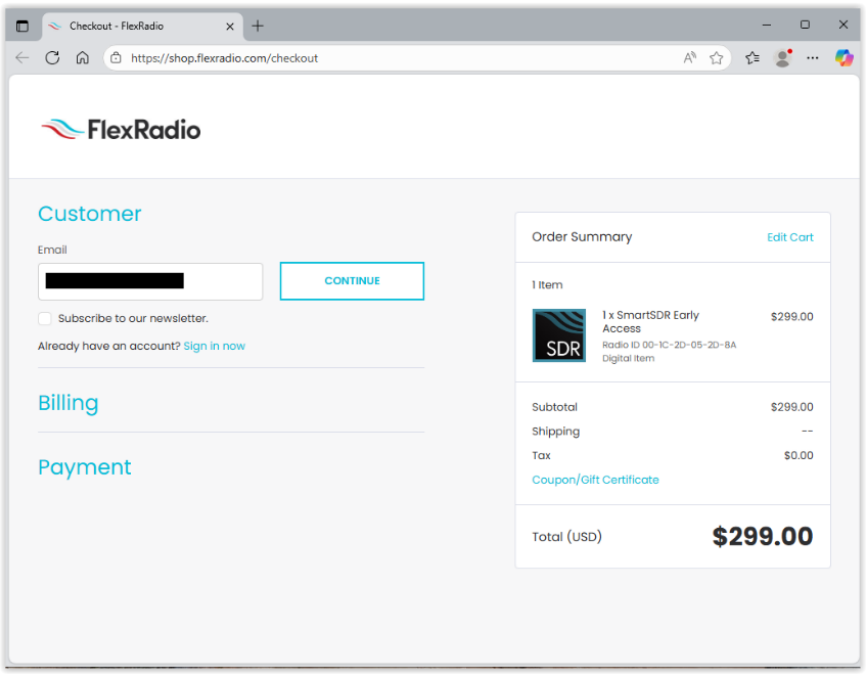
     (In this example, "Get Early Access" was selected.)

4. The **Purchase** QR Code screen will appear.

   - Using a Smartphone or tablet, scan the QR Code. This presents a link (URL) that must be opened in a web browser to access the web page used to purchase the SmartSDR+ Feature License, as shown below.



5. The **Purchase** web page will appear.
    - Enter your **email address**.
    - Click **Continue**.
    (Note: the email address in the example image is redacted.)



6. The **Billing** web page will appear.
    - Enter your **billing information**.
    - Click **Continue** when finished.

7. The **Payment** web page will appear.
    - Enter your **payment method**.
    - For the *Require Signature at Delivery* option, select **No**.
    - Click **Place Order** to complete your purchase.

8. Once the SmartSDR+ Feature License has been purchased, install the newly purchased license by clicking on the **Refresh** button in the **License Info** section of the **Radio** submenu screen.

Installing SmartSDR and Updating the Radio Firmware:

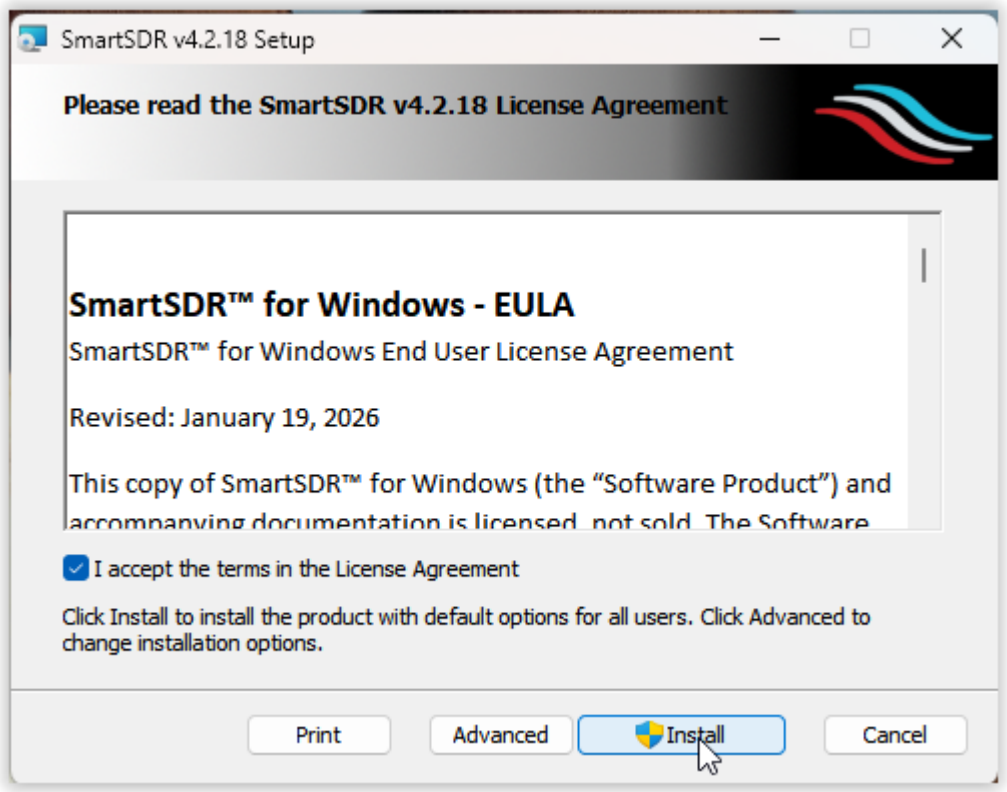
Installing SmartSDR for Windows on a PC

1. **Download SmartSDR for Windows**
   - Open a web browser and navigate to the **FlexRadio website**.
   - Locate the latest version of **SmartSDR for Windows** on the *Newest Releases* webpage.
   - Download the correct installer for your PC's processor architecture.

   For more information regarding which version of SmartSDR to download, please refer to the HelpDesk article Which SmartSDR Installer Do I Need to Download?

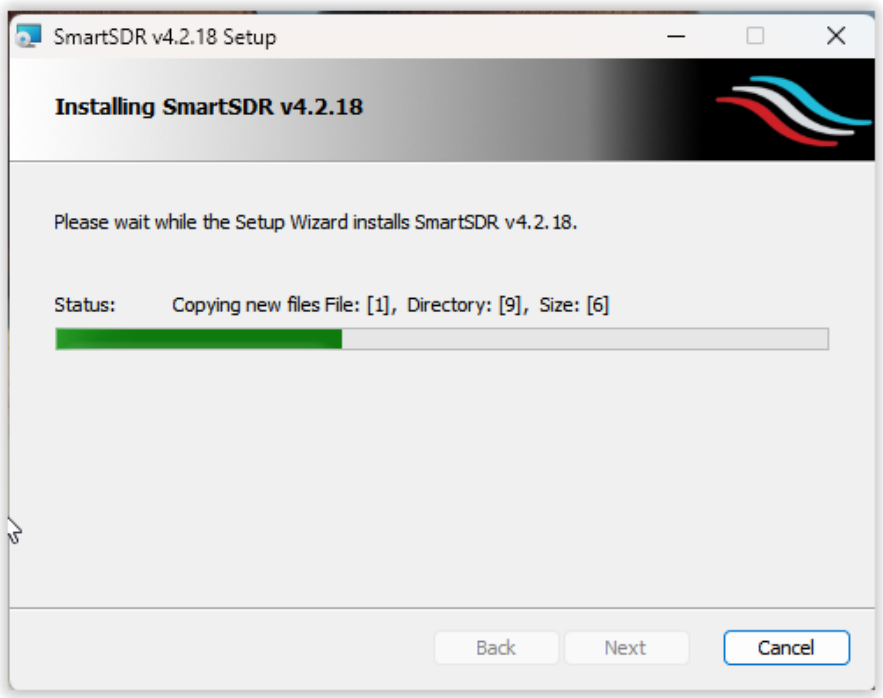
2. **Start the Installer**
   - Double-click the downloaded **SmartSDR Installer** program to begin the installation.

3. **Accept the License Agreement**
   - When the **License Agreement** screen appears, select **I accept the agreement**, then click **INSTALL**.

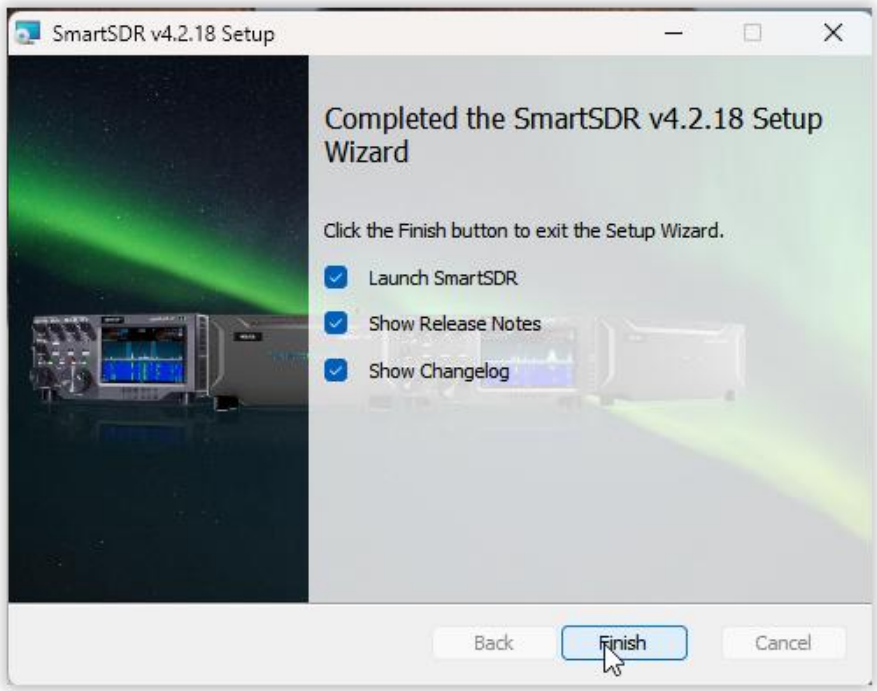


4. **Confirm the UAC prompt.**
   - If the **User Account Control** prompt appears asking, *"Do you want to allow this app to make changes to your device?"* confirm that the app name has the file extension of **MSI**, something similar to *34e7a4.msi,* and click **Yes**. Please note that the file name will change with each new installation of SmartSDR for Windows.

5. **Installation Progress**
    - The **Installing SmartSDR vA.B.C** screen will display progress.



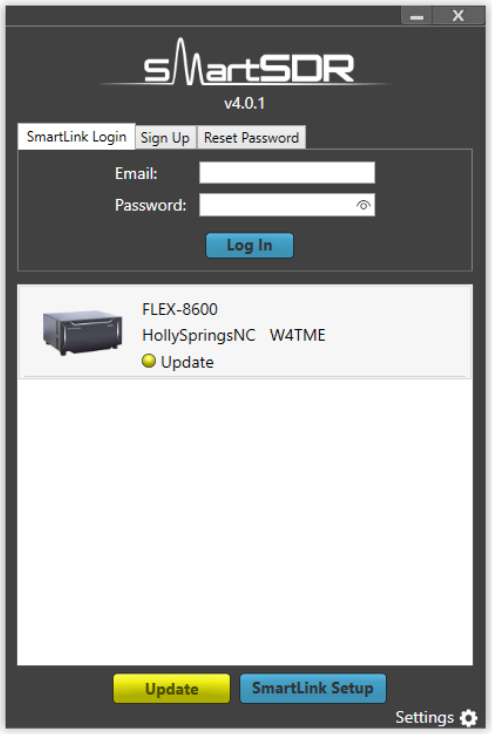
6. **Complete the Installation (no restart required)**
    - The **Completed SmartSDR v A.B.C Setup Wizard** screen will appear.
    - Leave all options checked.
    - It is recommended to review the **Release Notes** and **Changelog** for information about new features and bug fixes.
    - Click **Finish** to complete setup.



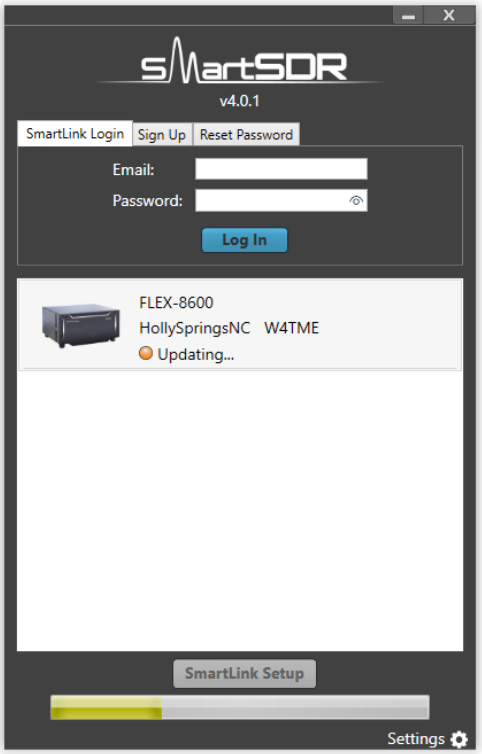
Updating the Radio Firmware

Once SmartSDR for Windows is installed, follow these steps to update your radio's firmware:

1. Launch **SmartSDR for Windows**.
2. In the **Radio Chooser** screen, highlight the desired radio showing the **Update** status indicator.

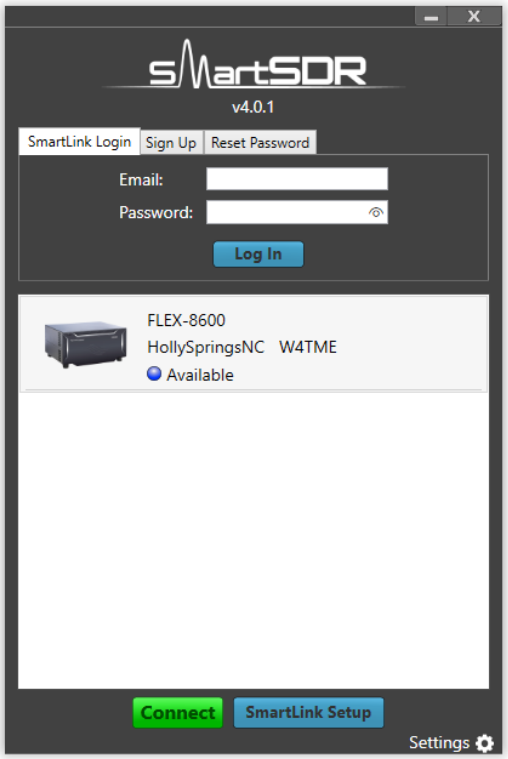


3. Click **Update** to begin the firmware update process.
    - The radio status will change to Updating…, and a progress indicator bar will be displayed.
    - The radio's **power button LED** will turn **purple** while the firmware update is in progress.



 | Copyright 2026 FlexRadio, Inc. | SmartSDR v4.3.19 Release Notes |

4. When the update completes, the radio will **automatically reboot**.
5. After rebooting, return to the **Radio Chooser** screen.
    - Highlight the radio with a status of **Available**, and click **Connect** to begin operation.



Documentation:

The following documentation and how-to guides for SmartSDR are available as a convenient download from the FlexRadio website.

- FlexRadio HelpDesk
- SmartSDR v4 Changelog
- SmartSDR for Windows Software User's Guide
- Maestro User Guide
- SmartSDR CAT User Guide
- FLEX-8000 Hardware Reference Manual
- FLEX-6400M and FLEX-6600M User's Guide
- FLEX-6000 Signature Series Hardware Reference Manual
- FLEX-6400 and FLEX-6600 Hardware Reference Manual
- SmartLink for SmartSDR Quick Start Guide
- USB Cable Interface Guide

Technical Support:

If you encounter any issues installing or operating SmartSDR for Windows with your FlexRadio Signature Series software defined radio, please use our online Community to search for information about SmartSDR and the Aurora, FLEX-8000, and FLEX-6000. Refer to the Community Message Board for assistance using the Community.

If you are unable to find an existing answer to your issue via the Community, please contact FlexRadio Technical Support by opening a HelpDesk support ticket online.

Refer to the HelpDesk article How to Submit a Request for Technical Support for details on how to submit a HelpDesk support ticket.

Hours of Operation: Our Technical Support engineers are available Monday through Friday from 7:00 AM to 4:00 PM Central Time. If you open a HelpDesk ticket after business hours, on a holiday, or on a weekend, we will respond to your request for assistance during regular business hours in the order your HelpDesk ticket was received.

Warranty Disclaimer

This software release is provided *"as is"* without any warranties, express or implied. The developer makes no representations or warranties regarding the reliability, accuracy, or performance of this software. All risk arising from its use remains with the user.

In no event shall the developer be liable for any damages, including but not limited to loss of data, loss of profits, or other incidental or consequential damages, arising out of the use or inability to use this software.

Copyrights and Trademarks

© 2005-2026 FlexRadio. All rights reserved.

FlexRadio is a registered trademark of FlexRadio, Inc.

Aurora, FLEX-8400, FLEX-8400M, FLEX-8600, FLEX-8600M, FLEX-6300, FLEX-6400, FLEX-6400M, FLEX-6600, FLEX-6600M, FLEX-6500, FLEX-6700, FLEX-6700R, Maestro, FlexControl, SmartSDR Basic, SmartSDR+, SmartSDR, SmartSDR for Windows, SmartSDR CAT, SmartSignal, SmartLink, DAX, TNF, WNB, multiFLEX, SmartControl, FlexAdvantage, the SmartSDR "spectrum" (logo), and the FlexRadio "wave" (logo) are trademarks or servicemarks of FlexRadio, Inc.

FlexRadio, Inc.
4616 W. Howard Lane
Suite 8-860
Austin, TX USA 78728
+1 (512) 535-4713
www.flexradio.com