

AirLink OS Secure Boot Downgrade Restriction Notice

OVERVIEW

DATE ISSUED:	31-March-2026
ISSUED BY:	Semtech Product Management
TIMELINE:	June 2026: AirLink OS 6.1 general availability September 2026: Factory-enabled Secure Boot
FOR DISTRIBUTION TO:	All AirLink OS Customers

PRODUCT SUPPORT

TERMINOLOGY	<p>Secure Boot verifies the integrity of the firmware during the boot sequence, ensuring that only authenticated and trusted firmware can run on the device, preventing unauthorized or malicious code execution.</p> <p>Factory-enabled Secure Boot indicates a router that was manufactured with Secure Boot enabled with AirLink OS 6.1 or later.</p>
WHAT IS CHANGING	<p>Starting in September 2026, Semtech will ship XR60 Anterix/R2, XR80 Gen2, and XR90 Gen2 routers from the factory with Secure Boot enabled. These devices will use a new firmware signing certificate that is incompatible with AirLink OS versions prior to 6.1.</p> <p>This means that once you receive a factory-enabled Secure Boot router, you will not be able to downgrade it to AirLink OS 5.3 or any earlier version.</p> <p>AirLink OS upgrade operations are not affected.</p>



	<p>AirLink OS 6.1 will be generally available in June 2026 – three months before factory units ship – giving you time to test and qualify it in your environment.</p> <p>Technical Note: With the introduction of the Secure Boot capability on XR60 Anterix/R2, XR80 Gen2, and XR90 Gen2 routers, Semtech is rotating the certificates used for firmware authentication. This rotation establishes a clear boundary between firmware versions released before and after Secure Boot enablement, ensuring that factory-enabled Secure Boot routers use only the new certificate chain. Firmware signed with previous certificates (i.e. AirLink OS versions prior to 6.1) cannot run on these devices.</p> <p>Note: The EX400 and RX400 devices implemented Secure Boot at launch.</p>
WHICH PRODUCTS ARE IMPACTED?	<p>XR60 Anterix/R2, XR80 Gen2, and XR90 Gen2 routers with factory-enabled Secure Boot.</p> <p>All other AirLink OS devices continue to support firmware downgrade operations as normal.</p> <p>AirLink OS upgrade operations are not impacted on any router.</p>
WHAT IS THE IMPACT?	<p>XR60 Anterix/R2, XR80 Gen2, and XR90 Gen2 routers with factory-enabled Secure Boot cannot be downgraded to firmware versions released prior to the certificate rotation (versions prior to AirLink OS 6.1).</p> <p>If your organization relies on downgrading routers to AirLink OS 5.3 for any reason – this will no longer be possible on these factory-enabled Secure Boot routers.</p> <p>For example, an XR60 Anterix/R2 router with factory-enabled Secure Boot cannot be downgraded to AirLink OS 5.3 or earlier. Upgrades to AirLink OS 6.1 and later are NOT affected.</p>
MITIGATION STRATEGY & ACTION REQUIRED	<p>Semtech will make AirLink OS 6.1 available on The Source, ALMS, and AM/AMM a minimum of three months prior to introducing this version into the factory with Secure Boot enabled. This gives you a qualification window, currently June through September 2026, to download, test, and validate AirLink OS 6.1 in your specific environment before factory-enabled Secure</p>



Boot units begin shipping. Semtech may extend this window based on customer feedback.

Steps to take before September 2026:

- Download AirLink OS 6.1 from The Source, ALMS, or AM/AMM when available in June 2026.
- Test and validate AirLink OS 6.1 in your environment.
- Complete your internal approval processes.
- Deploy AirLink OS 6.1 to existing devices before new Secure Boot units begin shipping.

This approach enables customers to qualify AirLink OS 6.1 and eliminate the need for downgrade operations.

Note: If you have concerns about meeting this timeline, contact Semtech support as early as possible.

CONTACT

SUPPORT:

Ask for support at <https://sierrawireless.com/support>

For additional information, contact your Semtech sales representative.

REVISION HISTORY

31-March-2026

Initial Release