# Xerus Firmware Release Notes

**Raritan**
A brand of **legrand**

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| **Version:** | Xerus 4.0.20  /  Build 49038  /  Release Notes, Version 2 |
| **Release Status:** | General Availability (GA) |
| **Date:** | December 16, 2022 |

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## Release Overview

Xerus 4.0.20 Firmware is a **General Availability (GA) Release** for applicable Xerus-based product groups. This release may include performance and productivity improvements, support for new products and accessories, new features and enhancements, bug fixes, and general fixes for specific model families.

## Applicability

This firmware release applies to the following Xerus-based product brands and models.

| Product Group | Model |
|---|---|
| Rack PDUs | Raritan: PX2, PX3, PXC, PXO<br>Legrand: Switched and Metered Models |
| Access Control | SmartLock Handles |
| Sensors | SmartSensors |
| Smart Rack Controller | SRC |
| Branch Circuit Monitors | BCM2 |
| Transfer Switch | PX3TS |

## General Guidelines for this Release

Some custom-engineered models may not be supported by this release. Please check the **Support & Compatibility** section below. Or contact Raritan Support if you are unsure of the model number of your unit—it is typically viewable from the GUI's *Device Information* page and is also printed on a label located on the device.

*Note:* Per California Senate Bill 327, Xerus Firmware has updated its default password policy. Passwords must now be manually set on all new units running Xerus 3.6.0 (and later) or devices that are running Xerus 3.6.0 (and later) and have been factory reset.

*Note*: Do NOT upgrade ANY other Raritan model(s) to Xerus 4.0.20 Firmware (other than what is listed in the Applicability table above) because the unit may either not be compatible with Xerus Firmware or may have been built after this release entered our System Tests and installing it may result in the unit becoming non-functional.

*Note*: Do NOT downgrade your new Xerus-based product(s) to any prior Xerus Firmware release. Due to significant internal enhancements in Xerus 4.0.20, a downgrade from Release 4.0.20 Build 49038 to ANY prior firmware release is NOT SUPPORTED. Please contact Raritan Support with any questions.

*Note*: For Sunbird® Power IQ® DCIM software users, Power IQ v8.0 and higher supports data collection only. Bulk configuration will not be supported until Power IQ v9.0 for all Xerus Firmware 4.x.

## Release Highlights

New Products & Accessories Now Supported

| Issue ID | Description |
|---|---|
| 80032 | Added support for new powered dry contact SmartSensor™ (DX2-PD2) |
| 70256 | Added Support for two new Dirak® door handles—Dirak eLine MLR2500 & MLR2500KP; MLR2500KP adds two-factor authentication support (*also available in release 4.0.10*) |
| 74635 | Added support for new particle/dust SmartSensor (DX2-PS) reporting density value in µg/m^3 (*also available in release 4.0.10*) |
| 71865 | Added support for newly updated tamper and infrared SmartSensor (DX2-PIR) (*also available in release 4.0.10*) |
| 76065 | Added support for newly updated powered dry contact sensor with contact closure SmartSensor (DX2-PD2C5) (*also available in release 4.0.10*) |
| 72965 | Added support for new contact closure SmartSensor (DX2-D2C6) (*also available in release 4.0.10*) |
| 76008 | Added support for new dual dry-contact SmartSensor (DX2-D2) (*also available in release 4.0.10*) |
| 79812 | Added support for the Southco® H3-EM-99-609 door handle (for the Japan market) (*also available in release 4.0.10*) |

New Features & Enhancements

| Issue ID | Description |
|---|---|
| 80540 | Japanese language support |
| 80719 | Improved exporting of data log |
| 80421 | Additional security updates to Linux-Kernel, OpenLDAP, Net-SNMP, and OpenSSL |
| 75211 | New Redfish® API for power management support (*also available in release 4.0.10*) |
| 79127 | Added persistent sensor data logging with the use of a USB stick (*also available in release 4.0.10*) |

| 78680 | Added user configurable sizing for sensor data logging (*also available in release 4.0.10*) |
|---|---|
| 78648 | Added PDU data support in Prometheus (*also available in release 4.0.10*) |
| 66320 | New configuration of the interface-specific gateway. This brings new configuration options that will require changes in the initial deployment procedures. Please contact your regional Raritan Technical Support team for help with the deployment of firmware 4.x. (*also available in release 4.0.10*) |
| 76714 | Added a new Firmware Update to avoid low memory situations (*also available in release 4.0.10*) |
| 73656 | Added support for TACACS+ authentication (*also available in release 4.0.10*) |
| 77125 | Added Min/Max sensor values (*also available in release 4.0.10*) |
| 75254 | Added support for LLDP (Link Layer Discovery Protocol) (*also available in release 4.0.10*) |
| 72008 | Added support for Outlet suspension on breaker trip event (*also available in release 4.0.10*) |

Bug Fixes

| Issue ID | Description |
|---|---|
| 80733 | Fixed main controller low memory issues when opening GUI |
| 79678 | Fixed RCM beeper stoppage after a system reboot (*also available in release 4.0.10*) |
| 78888 | Fixed RCM Self-Test active error (*also available in release 4.0.10*) |
| 79394 | Fixed ability to mute RCM sensor alarm from GUI (*also available in release 4.0.10*) |

Please consult the appropriate User Guide for more information on these firmware features at raritan.com/support.

## Support & Compatibility with Xerus 4.0.20

Except for some recent Engineered to Order (ETO) models, applicable units/models that are Xerus-based can be upgraded to this firmware release (see Applicability table above).

**Sunbird Power IQ & New Hardware Support**

- DX2-DH2C2 (*SmartLock Door Handle Controller*) is compatible with Power IQ release 8.x.x and later.

If you are unsure that your unit/model is supported by this Xerus Firmware release or have any questions about supported or unsupported configurations, please contact your regional Raritan Support team at raritan.com/support.

# Upgrade Matrix (Path for Upgrades)

This firmware release is intended for factory shipments and firmware upgrades on the units/models stated in the Applicability table above.

*Note*: **Due to file system changes in Xerus 4.0.0 and earlier releases, the following upgrade paths need to be followed or the Xerus-based device may become inoperable and require manual recovery.**

| Firmware Version | Upgrade Steps |
|---|---|
| **3.0.x, 3.1.x, 3.2.x** | » 3.4.0  »  3.5.0  »  4.0.20 |
| **3.3.x, 3.4.x** | » 3.5.0  »  4.0.20 |
| **3.5.x, 3.6.x** | » 4.0.20 |
| **4.0.x** | » 4.0.20 |

## Downloads

The following supplemental files can be downloaded at raritan.com/support:

- Product Documentation and User Guides
- SNMP MIBs
- Related Tools and Drivers
- JSON-RPC SDK
- Redfish® Documentation

**Historical firmware** version downloads can be found on raritan.com/support.

## Release Package Details

The Xerus 4.0.20 Firmware is a General Availability release package and will be posted on the Raritan support website at raritan.com/support.

## Xerus 4.0.20 Package

Components for PX2, PX3, PX3TS, SRC, BCM2 & Legrand Switched/Metered Products:

- "Xerus_ReleaseNotes_4.0.20.pdf" (this file)
- A firmware release (binary): pdu-px2-040020-49038.bin

## General Upgrade Instructions (*stand-alone upgrade from the browser-based user interface*)

- Enable JavaScript in your browser before logging into the unit to start the upgrade process.
- Follow instructions in the proper device User Guide. Please read the entire upgrade instructions before starting an upgrade.

If you have any questions, or cannot follow the instructions in the User Guide, please STOP and contact Raritan Support for further instructions.

## Contact Us

Go to raritan.com/support for contact options.