

# Xerus Firmware Release Notes



**Version:** Xerus 4.0.10 / Build 48891 / Release Notes, Version 3

**Release Status:** General Availability (GA)

**Date:** September 07, 2022

## Release Overview

Xerus 4.0.10 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.

<i>Product Group</i>	<i>Model</i>
Rack PDUs	Raritan: PX2, PX3, PXC, PXO Legrand: Switched and Metered Models
Access Control	SmartLock Handles
Sensors	SmartSensors
Smart Rack Controller	SRC
Branch Circuit Monitoring	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 4.0.10 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 4.0.10, a downgrade from Release 4.0.10 Build 48891 to ANY prior firmware release is NOT SUPPORTED. Please contact Raritan Support with any questions.

*Note:* For Sunbird<sup>®</sup> Power IQ<sup>®</sup> 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

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

### New Features & Enhancements

<i>Issue ID</i>	<i>Description</i>
<b>75211</b>	New Redfish API for power management support
<b>79127</b>	Added persistent sensor data logging with the use of a USB stick
<b>78680</b>	Added user configurable sizing for sensor data logging
<b>78648</b>	Added Raritan PDU data support in Prometheus
<b>66320</b>	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.
<b>76714</b>	Added a new Firmware Update to avoid low memory situations

<b>73656</b>	Added support for TACACS+ authentication
<b>77125</b>	Added Min/Max sensor values
<b>75254</b>	Added support for LLDP (Link Layer Discovery Protocol)
<b>72008</b>	Added support for Outlet suspension on breaker trip event

#### Bug Fixes

<i>Issue ID</i>	<i>Description</i>
<b>79678</b>	Fixed RCM beeper stoppage after a system reboot
<b>78888</b>	Fixed RCM Self-Test active error
<b>79394</b>	Fixed ability to mute RCM sensor alarm from GUI

Please consult the appropriate User Guide for more information on these firmware features at [raritan.com/support](http://raritan.com/support).

## Support & Compatibility with Xerus 4.0.10

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.

### Accessory Configurations Not Supported

- AMS-M2-Z (*Modular AMS Strip*) Hot Plugging – These asset management accessories cannot be hot-plugged and doing so may result in a controller re-boot or the need to re-boot (power down) the entire PDU.

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](http://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.

**Please 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.**

<i>Firmware Version</i>	<i>Upgrade Steps</i>
<b>3.0.x, 3.1.x, 3.2.x</b>	» 3.4.0 » 3.5.0 » 4.0.10
<b>3.3.x, 3.4.x</b>	» 3.5.0 » 4.0.10
<b>3.5.x, 3.6.x</b>	» 4.0.10

### Downloads

The following supplemental files can be downloaded at [raritan.com/support](http://raritan.com/support):

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

Historical firmware version downloads can be found on [raritan.com/support](http://raritan.com/support).

### Release Package Details

The Xerus 4.0.10 Firmware is a General Availability release package and will be posted on the Raritan support website at [raritan.com/support](http://raritan.com/support).

### Xerus 4.0.10 Package

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

- "Xerus\_ReleaseNotes\_4.0.10.pdf" (this file)
- A firmware release (binary): pdu-px2-040010-48891.bin

Please note that the firmware file for the SRC model is different than the binary file listed above. Please go to [raritan.com/support](http://raritan.com/support) for more information.

### 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](https://raritan.com/support) for contact options.

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