

RAYN Release Notes

RAYN Syrcadia Software

Product Line:	RAYN Syrcadia
Description:	Software Version 2.3.0
Effective Date:	2024-08-19

About This Release

This release of RAYN Syrcadia v2.3.0.20 software includes new features, user interface optimizations, and bug fixes.

- New display of wide color ranges in the **Manual** tab, including RGB and user-defined bands.
- Support for the Alina APS 350E Power Supply.
- Support for the RAYN Multi-Sensor (RMS).
- Improved sensor charting.
- Bug fixes.

For any questions relating to the contents of this release or the behavior of this software, please contact RAYN Growing Systems via the information provided at the bottom of this page.

Compatibility

This software is compatible with the RAYN Touch Controller. RAYN Syrcadia can also be installed on computers running Windows® 10 or 11.

Issues Corrected in v2.3.0

ADIANTE-500	Syrcadia DMX output does not work on DMX interface "GADGET II CPU2"
ADIANTE-478	Publish under new features, not issues: Camera integration feature added
ADIANTE-572	Incorrect sensor data shown when very few sensor data points are received
ADIANTE-585	There is a potential application crash when MQTT Link is used and when Zone name is changed afterwards
ADIANTE-522	In day plan edit with long plan, the "OK" button covers the delete button of a step
ADIANTE-531	Configuration can get lost if multiple instances of Syrcadia are opened in quick succession.
ADIANTE-539	MQTT does not automatically reconnect to broker when MQTT connection is lost
ADIANTE-559	Syrcadis can sometimes crash on startup on a brand new PC
ADIANTE-569	Several issues with Zone: sensor value charting module in regards of unit of measure, timeclock and lux mode
ADIANTE-570	Zone Manual Page: include intensity checkbox is missing
ADIANTE-576	Publish in Release notes features section: Lux mode has been disabled to avoid confusion.
ADIANTE-584	Channels from all zones can be recorded when all channels are deselected
ADIANTE-591	Spectrum Display memory overlap error sometimes shows incorrect Spectrum in manual screen.
ADIANTE-593	Zone Manual Screen: In some situations, manual changes in one zone can leak to another zone
ADIANTE-600	DMX Output from Syrcadia on PC via "Gadget" hardware does not always work due to a library change
ADIANTE-601	Lyda 0-10V DMX interface does not always show up as such during system configuration DMX/RDM discovery
ADIANTE-607	Sensors: °C/°F unit displayed in the Chart view does not follow the system setting when loading a config
ADIANTE-616	Device Chip still shows in zone manual screen after device was moved to different zone.
ADIANTE-547	Schedule Resume commands received via MQTT do not resume ongoing programmed fades to new spectrum but jump to new spectrum

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- ADIANTE-560 Date format in Zone > Sensors does not follow system setting when a different date format file is opened
- ADIANTE-566 Sometimes MQTT connectivity indicator shows incorrect connection status
- ADIANTE-577 Syrcadia web remote control does not show sensor data anymore.
- ADIANTE-580 Saving a spectrum with light level sensor data could take a very long time (until new sensor data comes in)
- ADIANTE-621 Auto-resume functionality now resumes programmed fades to new Spectrum
- ADIANTE-336 In Zone, Manual screen, a user can change a spectrum although no fixture is selected.

Availability

You may obtain this software release from your RAYN Growing Systems provider.

Installation Instructions

To update your RAYN Touch controller, or install or update the RAYN Syrcadia software on a compatible Windows PC, you will need to acquire the software from your RAYN Growing Systems provider. Follow the instructions below to install or update the software.

RAYN Touch Controller

1. If the software has been provided as a zipped archive, unzip the file.
2. Transfer the unzipped file to the root directory of a FAT32-formatted USB memory stick.
3. Insert the USB memory stick containing the firmware into the USB port on the controller.
4. Press the gear button to open RAYN Syrcadia **Settings**.
5. Press the **Files** tab.
6. Press the **Advanced** button, then **Update Firmware** in the drop-down menu.
7. When the update has completed, remove the USB stick from the unit. Follow any additional instructions on the controller.

PC

1. If the software has been provided as a zipped archive, unzip the file.
2. Double-click the .exe installer. The RAYN Syrcadia Setup window will appear.
3. Follow the Setup prompts and click the **Install** button to begin software installation.
4. Select **Finish** when prompted. RAYN Syrcadia is now ready to use on your PC.



Note: As Syrcadia PC installations will not uninstall or overwrite older versions, it is possible to have multiple versions installed. Users may uninstall versions as desired using Windows Settings.

Resources

For more information about RAYN Syrcadia software and the RAYN Touch controller, see the *RAYN Touch Controller User Manual*. This manual is also available within the software as an onboard help system via the question mark (?) button.

User documentation and technical support are available via our website, rayngrowingsystems.com, or by contacting your RAYN Growing Systems provider.

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Release History

v2.2.0

Effective 2023-11-16

- Support for Python-based function blocks, adding customized functionality to day plans and allowing for regulation of conditions based on sensor inputs and day plan setpoints. Default and custom function blocks are supported.
- Added support for MQTT, allowing bidirectional communication and control between Syrcadia and third-party MQTT devices and systems.
- Day plan improvements:
 - Users can now define custom day lengths.
 - Day plans can now include direct relay and dimmer actions, set point markers, and repeats, in addition to spectrum triggers.
 - Day plans setpoints can now interact with function blocks.
 - New repeat and stop functionality allows recurring switching operations.
 - New switch and analog options for third-party devices.
- Link function allows users to connect devices added manually to the configuration with real fixtures discovered in the lighting system.
- Devices now support text names.
- Many internal and user interface optimizations.

v2.1.0

Effective 2022-10-19

- RAYN Syrcadia is now the name of the software that runs on RAYN Touch controllers. Introduction of RAYN Syrcadia software for PC in basic and unlocked modes. PC operation requires use of the RAYN Syrcadia USB key to unlock either basic (single zone, reduced device count) or unlocked (all features available, large device count) systems.
- Bright Mode user interface is now the default. Switch back to the dark mode in Settings.
- Fetch function pulls data for selected devices from spectra/overrides in another zone to the current zone. Data can then be adjusted and stored as necessary.
- Alert notifications are now consolidated into one tab and can be cleared in bulk.
- Improvements to export of sensor data.
- Improvements to the user interface.
- Improvements to the resume function when the scheduler is interrupted.
- Improved RDM performance.
- Bug fixes.

v2.0.2

Effective 2021-11

- Purge Sensor Data: backup and purge sensor data to help manage configuration file size.
- Bug fixes.