



### GENERAL INFORMATION

RAYN Syrcadia software is lighting control software optimised for use with RAYN multi-spectral horticultural luminaires. Available in basic or unlocked versions, this software runs on a PC and can be used for small single-zone experimental systems or larger multi-zone operations.

RAYN Syrcadia provides manual control of wavebands and intensity and the ability to store configured spectra for manual or automated playback. The unlocked version includes all the software features of the RAYN Touch controller, scalable up to very large systems including hundreds of individually controllable devices.

In the basic version, Syrcadia can be used to control lighting devices in a single zone. Create your custom spectra and trigger them manually or set them up to trigger at specific times of day in a day plan. The simple and direct Syrcadia user interface makes experimenting with spectral control easy.

In the unlocked version, Syrcadia offers multiple growing zone control, manual control, spectra and overrides, day plans as well as crop plans for fully automated lighting during all phases of growth. When fully unlocked, a Syrcadia system can connect to RAYN sensors and to Syrcadia Remote, the web browser-based remote control for RAYN control systems.

### PRODUCT FEATURES

- Single zone (basic) or multi-zone operation (unlocked)
- Supports up to 80 separately controllable luminaires or relays
- Supports luminaires with any number of independent wavebands
- Support for recording and playback of 200 lighting states (spectra)
- Day plans containing time-of-day triggers of recorded spectra
- Crop plans (unlocked) containing sets of day plans and their iterations
- Real-time clock for precise timing
- Gentle transitions between spectra with adjustable times
- Windows 10 or newer
- Syrcadia Remote web browser-based remote control interface

### ORDERING INFORMATION

#### RAYN Syrcadia

MODEL	DESCRIPTION
RAYN SYR BASIC	RAYN Syrcadia Basic Kit
RAYN SYR UNL	RAYN Syrcadia Unlocked Kit
RAYN SYR UP	Upgrade to RAYN Syrcadia Unlocked
RSN-DMX4-O	Response Mk2 4-port DMX Gateway, XLR Output
RSN-LV R2	Response 0-10V (low voltage) Gateway

#### RAYN Sensors

MODEL	DESCRIPTION
RPS	RAYN Photo Sensor
RMS	RAYN Multi Sensor
RSR	RAYN Sensor Receiver

### PRODUCT SPECIFICATIONS

#### FUNCTIONAL

- Basic:
  - Single zone operation
  - Manual control for multiple wavebands and intensity
  - Record Spectra for manual or time-of-day triggered playback
  - Day Plan for automating playback of recorded spectra
  - Built-in Help System
- Unlocked:
  - Multi-zone operation
  - Manual control for multiple wavebands and intensity
  - Record Spectra for manual or time-of-day triggered playback
  - Day Plans for automating playback of recorded spectra
  - Crop Plans for automating the recurrence of Day Plans for a growing cycle
  - Built-in Help System
  - Connect to RAYN sensors for environmental feedback into Syrcadia system
  - Calculate DLI for recorded spectra, Day Plans, using RAYN Photo Sensor

#### PROTOCOL

- Support for 2 or 12 universes of DMX-512A (ANSI E1.11), RDM (ANSI E1.20), sACN (ANSI E1.31), and Art-Net
- Optional RAYN Sensor Receiver EnOcean® interface for wireless capture of environmental data from dispersed sensors. (Unlocked only frequencies available for each ITU jurisdiction)
- Optional 0–10 VDC interface via gateway

#### PC MINIMUM REQUIREMENTS

- Windows 10 or newer