

PRODIGY Series

INTELLIGENT LIGHTING CONTROL



Prodigy is...

- A compact and powerful DMX and DALI hybrid with Art-Net
- Equipped with onboard webserver and dedicated smartphone app
- Easy to programme, with scene capture and snapshot editing
- Scalable for small to large venues
- Installed with RDM suite

Typical Applications

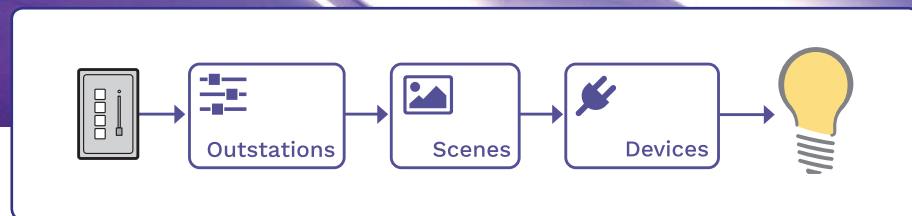
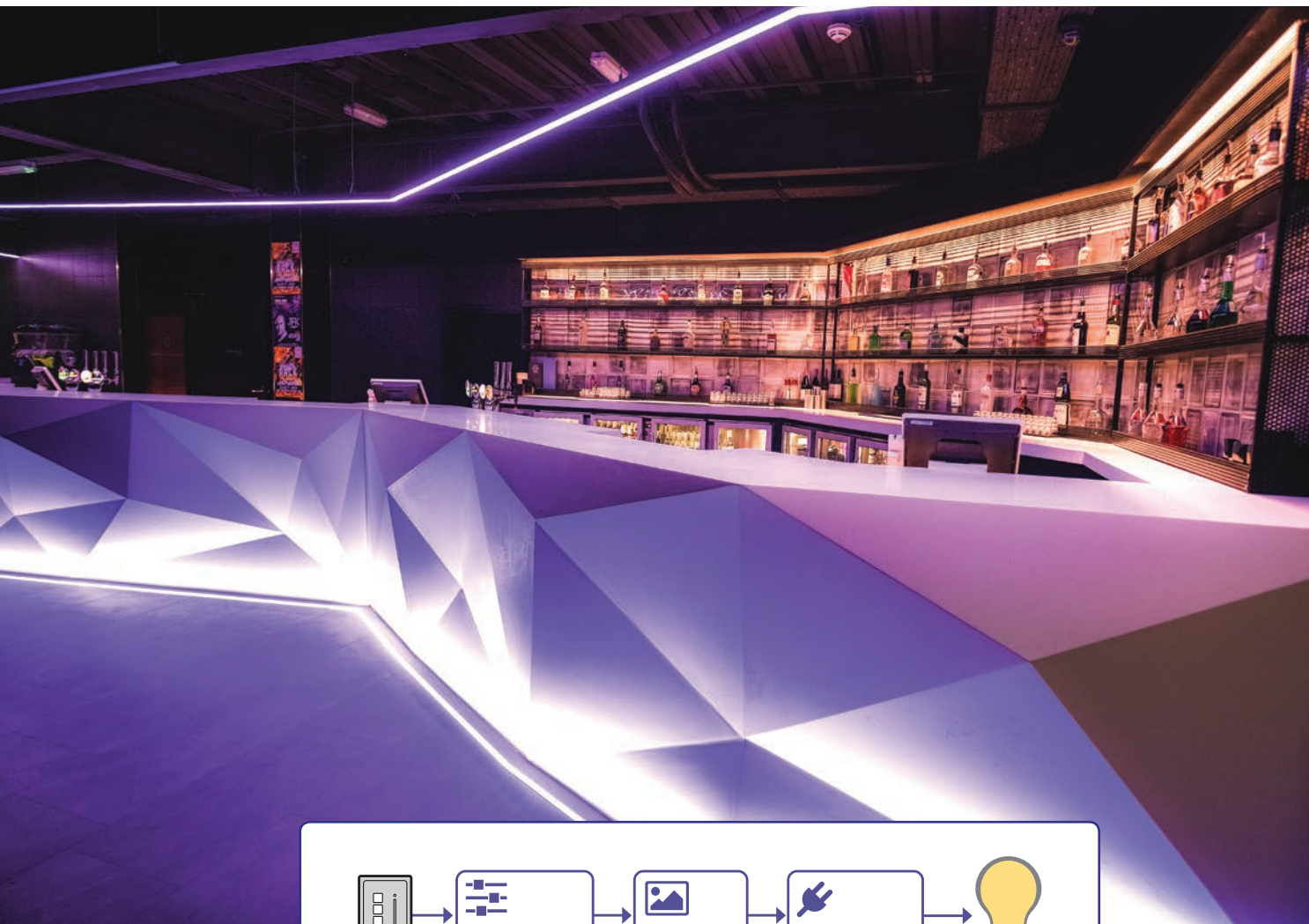
- Theatre and Auditoriums
- Conference centres
- Lecture halls
- Places of Worship
- Museums and Art Galleries
- Bar and Restaurants



A compact lighting control system that is simple to connect and intuitive to configure. It's also easy to use: All day. Every day.

Prodigy is a multi-protocol lighting controller that seamlessly combines DMX/ RDM, DALI and Art-Net devices, all within a single interface. The Prodigy Series delivers intuitive lighting control across multiple outstation locations and installation environments.

Prodigy orchestrates your lighting fixtures to achieve smooth mixes of dimming levels. Each mix of dimming levels is called a Scene and Prodigy can store many such scenes to affect hundreds of lighting fixtures. Scenes can be created to suit any requirements of your installation, for instance, to match different times of day, month or year; or to support changing venue functions.



Creating a scene

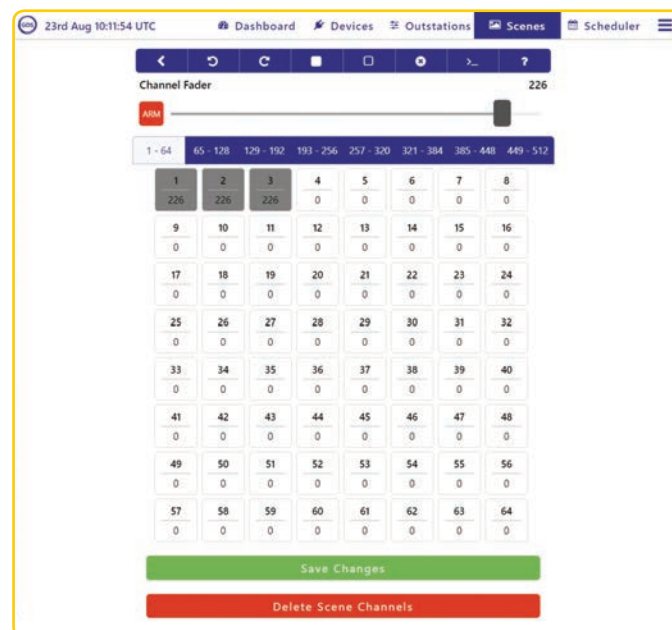
Creating a scene is easy; you can do it in two ways:

Hook up a lighting desk to the Prodigy controller, use it to determine the intensities of all required fixtures, then tell Prodigy to take a snapshot

OR

Enter the Scenes page within the Prodigy app, access the output channels and set the intensities of all required fixtures, then tell Prodigy to take a snapshot.

Once captured, you simply inform Prodigy how you would like to use your new scene snapshot: Perhaps when someone presses a button on an outstation or every day at a specific time or maybe when an external light sensor sees each new night arrive? The choice is yours.



Recalling a scene

Scenes can be recalled in various ways to best suit your venue:

Wall mounted outstations

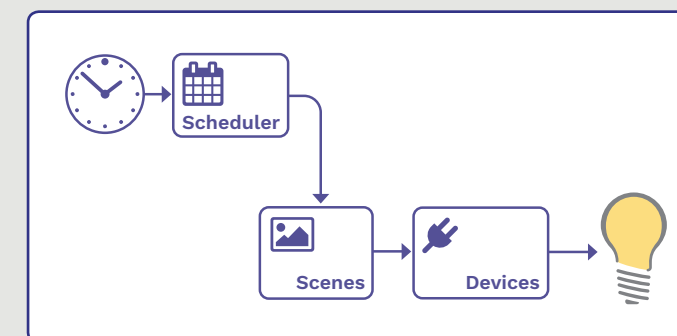
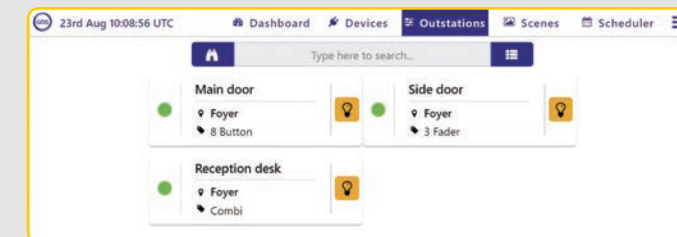
Where you would usually find a standard light switch on your wall, Prodigy provides a range of elegant control outstations. Each outstation can have buttons, faders or a combination of the two. When a user selects a button or fader, the Prodigy controller serves up the required scene to the correct lighting fixtures.

Scheduler

The Prodigy controller has its own internal real time clock and can also use external time sources for even greater accuracy. Any number of scenes can be arranged to automatically play out at particular times of the day and/or week.

Auxiliary inputs

The Prodigy controller can respond immediately to signals from external systems and/or sensors to ensure appropriate lighting levels are provided at all times. A signal from the venue's fire alarm could trigger maximum brightness to help occupants to escape; an input from a light sensor could instruct Prodigy to play a certain scene to meet the coming night. The opportunities are endless.





Areas

As the complexity of an installation increases, the need for logical organisation becomes vital. The concept of Areas is one way in which Prodigy helps you to manage installations of any size. Control outstations, scenes and devices which serve related locations can easily be grouped into named Areas to make future management even more straightforward.

23rd Aug 10:04:56 UTC Dashboard Devices Outstations Scenes Scheduler

New Area

Name: Foyer

Devices: QD5 2K 4 channel driver

Outstations: Main door, Side door, Reception desk

Scenes: Foyer - afternoon, Foyer - evening

Create Area

23rd Aug 10:12:22 UTC Dashboard Devices Outstations Scenes Scheduler

Create Schedule

Label: Enter label here

Frequency: Daily, Weekly, One Time Event

Range Of Recurrence: End By, End After, No End Date

Start Date (Schedule Enabled): Fri 23 Aug 2019

End Date (Schedule Disabled): Fri 23 Aug 2019

Select Days: Every Day (Monday - Sunday)

Start Time (Activate Scene): 08:00

Ignore End Time: [checkbox]

End Time (Deactivate Scene): 16:00

Scene: Foyer - afternoon

Save Schedule

Creating a schedule

The internal Scheduler allows you automate the launch of multiple scenes. In sync with either Prodigy's own real time clock or with an internet-connected time server, you can arrange for scenes to be triggered at precisely the right moment.

Within the scheduler page you can create scene triggers which occur just once or multiple times within a range of dates or just keep going at particular times/days until you tell them to stop. Flexibility and accuracy are the key with the Scheduler; start and stop times can be timed down to hundredths of seconds.



Getting the message out

Prodigy provides a number of ways to communicate with the world beyond its borders. Its most comprehensive links are delivered by three industry standards: DMX, Art-Net and DALI. DMX and Art-Net were developed primarily for stage lighting but are now increasingly proving their worth within architectural control. Two full DMX universes are available from the distinct ports on the rear panel, giving direct access to 1024 fixtures.

As required, you can opt to configure both DMX ports as outputs or alternatively you can switch one to behave as an input, allowing Prodigy to accept external DMX commands from other lighting controls. Art-Net provides the possibility to output more DMX universes via the in-built network (LAN) port. Direct support for DALI ensures that Prodigy speaks the native language of architectural light straight out of the box. Additionally, four open collector output lines are also made available to provide binary links with other systems, such as your venue's HVAC installation.

23rd Aug 10:16:53 UTC

DashboardDevicesOutstationsScenesScheduler

Universe IO

Name

DMX Port 1

Local Port

1

Direction

Input

Save Changes

Visualise

1	2	3	4	5	6	7	8
0	0	0	0	0	0	0	0
9	10	11	12	13	14	15	16
0	0	0	0	0	0	0	0
17	18	19	20	21	22	23	24
0	0	0	0	0	0	0	0
25	26	27	28	29	30	31	32
0	0	0	0	0	0	0	0
33	34	35	36	37	38	39	40

Managing devices using RDM

Prodigy fully supports lighting devices (fixtures, drivers, tungsten dimmers, etc.) that use the RDM (Remote Device Management) standard via DMX. RDM allows such devices to be automatically discovered by Prodigy and added to its roster of connected items. RDM allows DMX addresses and numerous key settings to be configured remotely, saving valuable time and effort when configuring large distributed installations. For devices that do not support RDM, Prodigy allows their details to be manually entered although their settings cannot be altered remotely.

23rd Aug 10:42:31 UTC

DashboardDevicesOutstationsScenesScheduler

Device Discovery

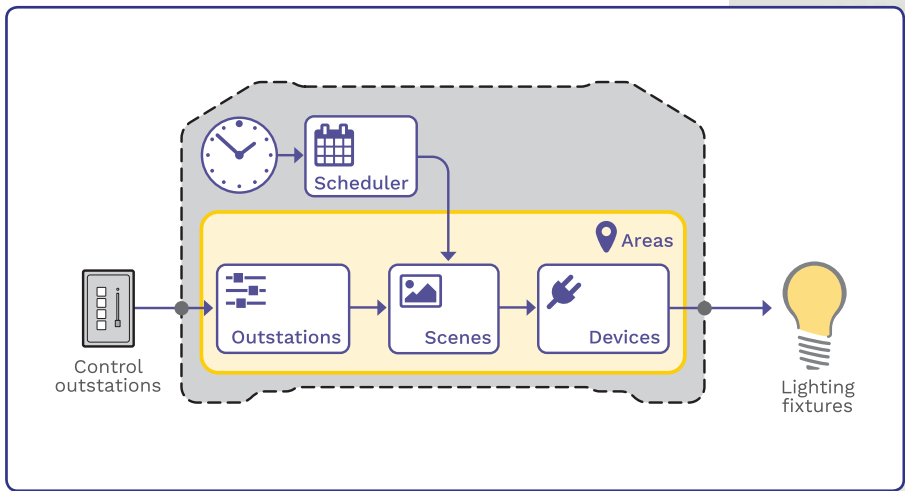
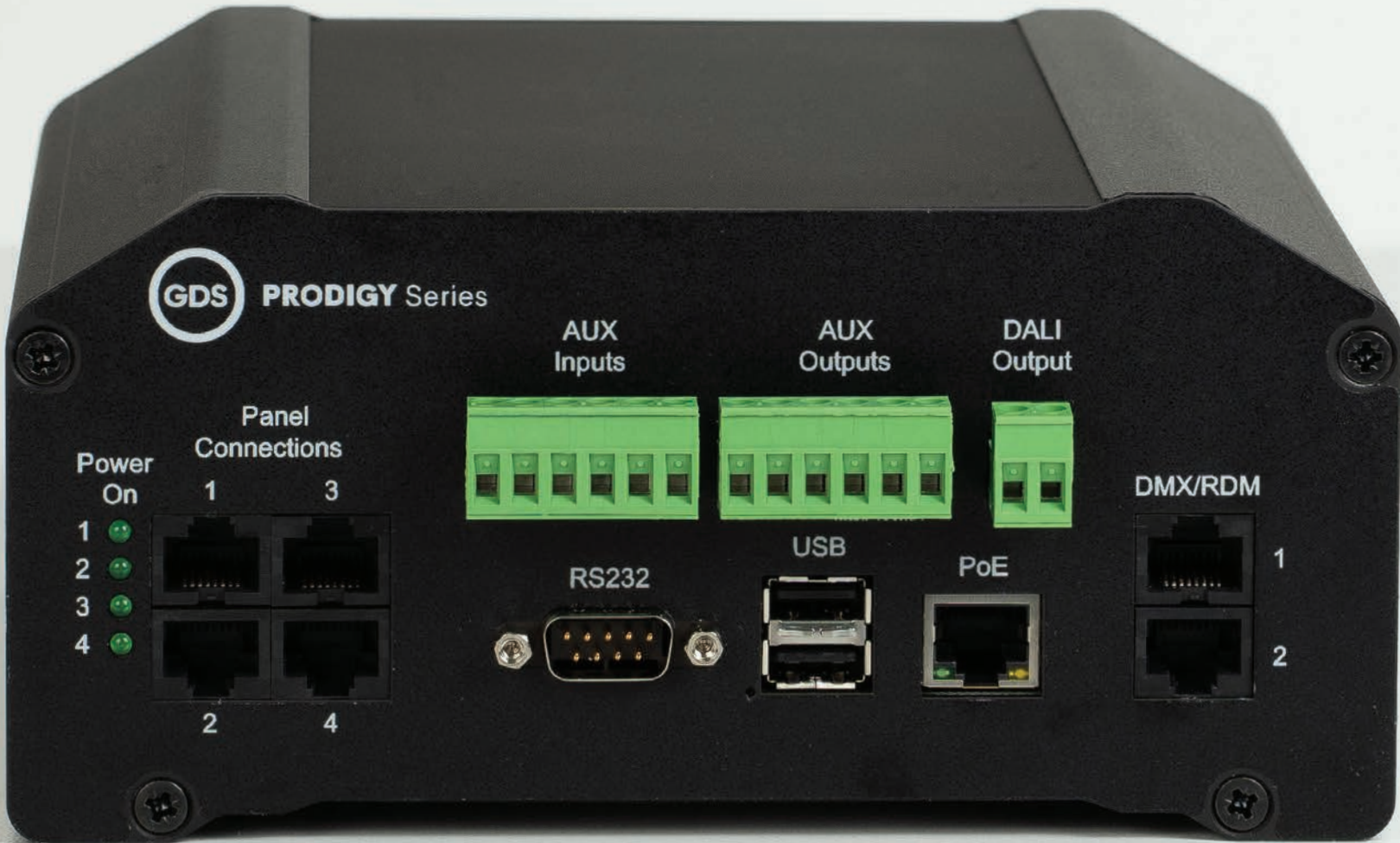
Select a port and press start to find connected RDM Devices

DMX Port 2

StartSkip



Created by engineers with extensive theatre and architectural lighting experience, Prodigy can competently mesh with other key systems within your venue, such as fire alarms, paging, cinema show control and building management complexes.



Prodigy specifications

- Input voltage: 48VDC (via PoE or PoE+)
- Main unit power: 5W maximum
- Ingress Protection: IP20 (dry indoor only)
- Front panel functions: Scene Record & DMX Bypass
- Dimensions: 186 x 87 x 186mm
7.32 x 3.43 x 7.32"
- Weight: 2kg (4.4 lbs)
- Temp. range: 0c – 40° (32°F to 104°F)

Prodigy is designed to deliver. It's compact, clever design allows it to sit at the heart of your lighting infrastructure and its real-world connections ensure new levels of responsiveness to the ever changing needs of your venue.



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