

Introduction

Pharos Designer (version 2.16.0 and later) supports discovery and configuration of Advatek PixLite Mk3 pixel controllers.

Compatibility

Requires a Pharos Designer controller running Designer 2.16.0 or later.

The following Advatek PixLite Mk3 devices are supported:

- A4-S Mk3
- E4-S Mk3
- T8-S Mk3
- E16-S Mk3
- T16X-S Mk3

Pharos Designer communicates with Advatek PixLite Mk3 devices using PixLite API version 1.7, introduced in PixLite firmware version 3.7.0.

Prerequisites

In order to use an Advatek device in Pharos Designer, ensure the *Advatek PixLite* project feature is enabled in **Project > Project Features > Devices > Advatek PixLite**.



The project feature will automatically be enabled on projects that use the Advatek PixLite Mk3 IO Module.

Discovery

Pharos Designer uses ADAR (Advatek Discovery and Recovery) to find devices on the local network. ADAR relies on multicast communication using IP addresses 239.255.251.1 and 239.255.251.2, both on port 49151, to discover devices. Discovered devices will be shown in the Network tab.

Adding devices to a project

Use the **Add Device** button in the Network tab to add Advatek devices to your project. Change the **Manufacturer** field to Advatek to see PixLite devices listed. Advatek devices are associated using their serial number (the MAC address of the PixLite controller). Online devices discovered using ADAR can be added to the project, or you can add and configure a logical (offline) device for association using a serial number later.

Upload

Advatek device configuration is uploaded as part of Designer's project upload process. A Pharos Designer controller must be online for the process to succeed.

Known Issues

Designer will report "Upload timed out" on Advatek devices where the client certificate common name (CN) does not match the serial number of the device. This affects Advatek devices with lowercase serial numbers in their certificate. This issue will be resolved in an upcoming Designer patch release.

Support

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