

 **SGM**[®] ARTNET
CONFIGURATOR

SGM ARTNET CONFIGURATOR USER MANUAL REV. 2

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This edition applies to software version 1.0.0.7 or later.

English edition

Contents

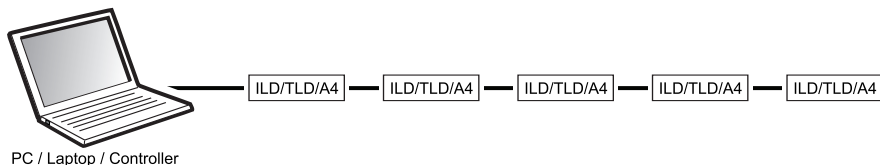
Overview.....	4
Installation	6
Using the SGM Artnet Configurator	13

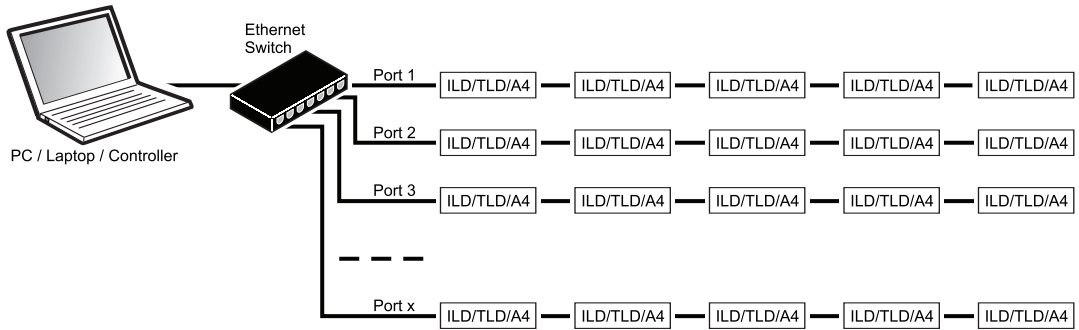
Overview

The *SGM Artnet Configurator* is a Windows-based application for configuring and addressing SGM artnet pixel drivers—such as the ILD or TLD—and A4 Artnet-DMX Converters.

The application runs on personal computers running Windows Vista or Windows 7 operating systems or later.

For communication to function, both the artnet fixtures and the PC must be on the same local area network (LAN) with IP addresses in the 2.x.x.x range (which are IP addresses used and recognised by artnet). The PC can be connected directly to one of the fixtures using a network ethernet cable, and up to five fixtures can be daisy-chained. To connect more than five fixtures, use an ethernet switch, but do not connect more than five fixtures to each port.

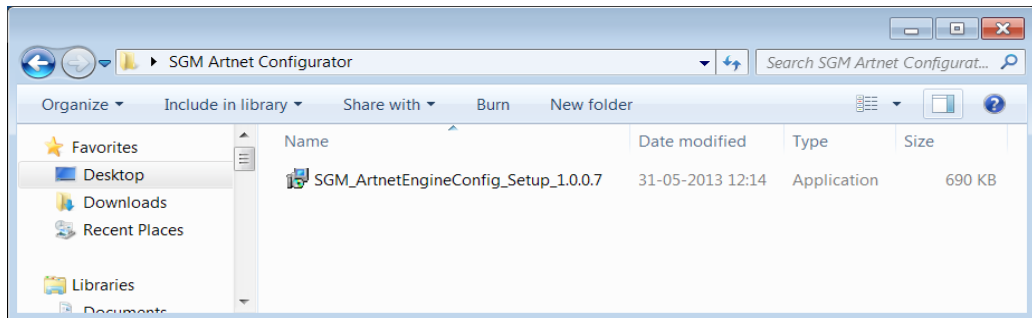




Installation

To install the application:

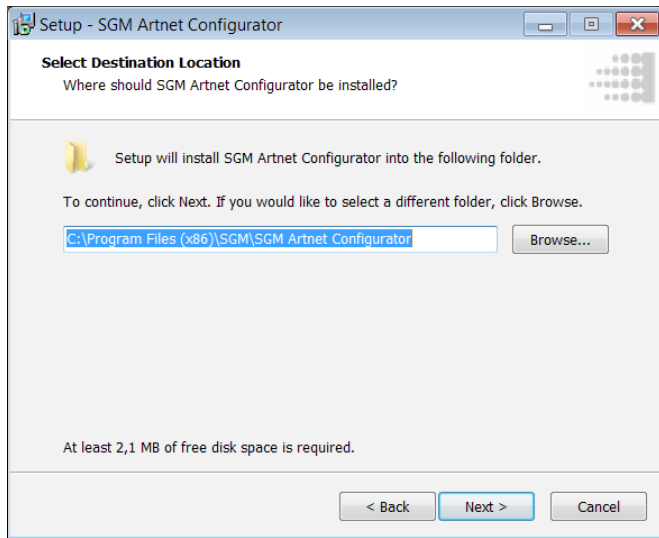
1. Download the installation package from <http://www.sgmlight.com> or attach the media that the software has been provided on to your PC.
2. Locate the root folder of the installation files and run the SGM_ArtNetEngineConfig_Setup.exe application.



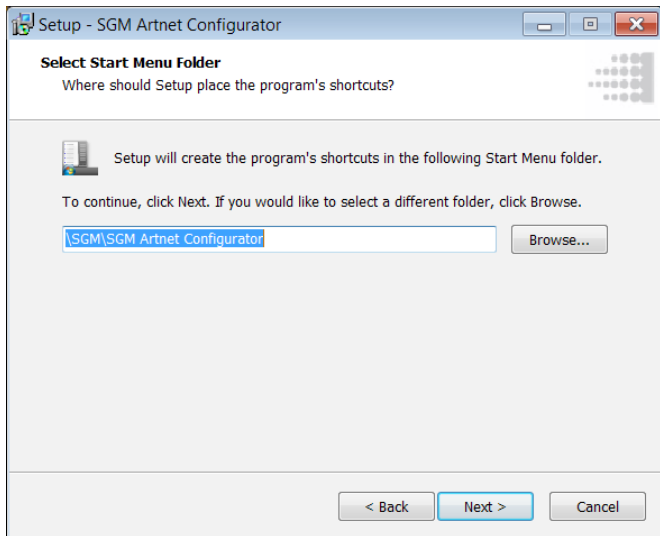
3. Click **Next**.



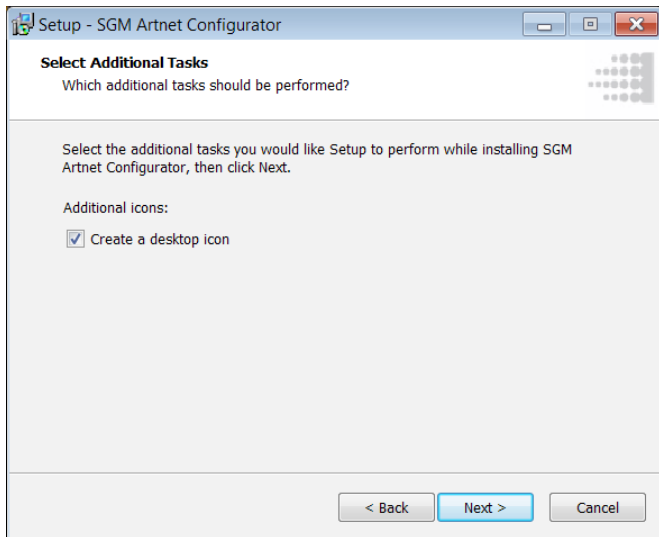
4. Click **Next** to accept the installation location, or click **Browse...** to locate another location.



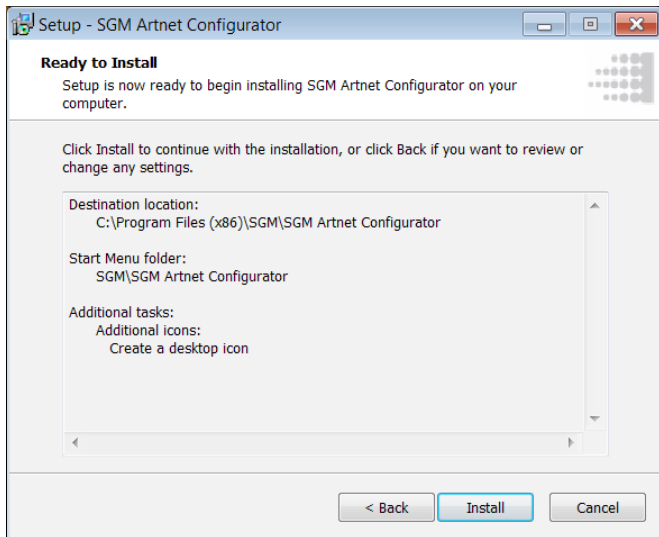
5. Click **Next** to accept the Start Menu setup, or click **Browse...** to specify a alternative setup.



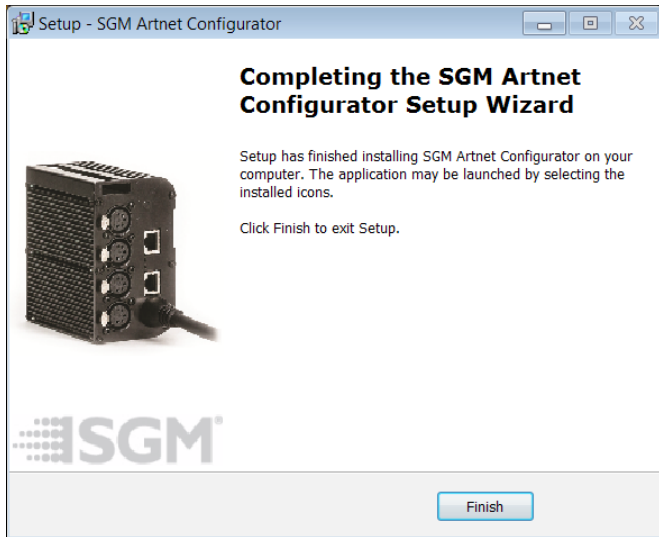
6. Check or uncheck **Create a desktop icon**, as applicable, and click **Next**.



7. Review the settings and click **Install** (or **<Back** if you need to make any changes).



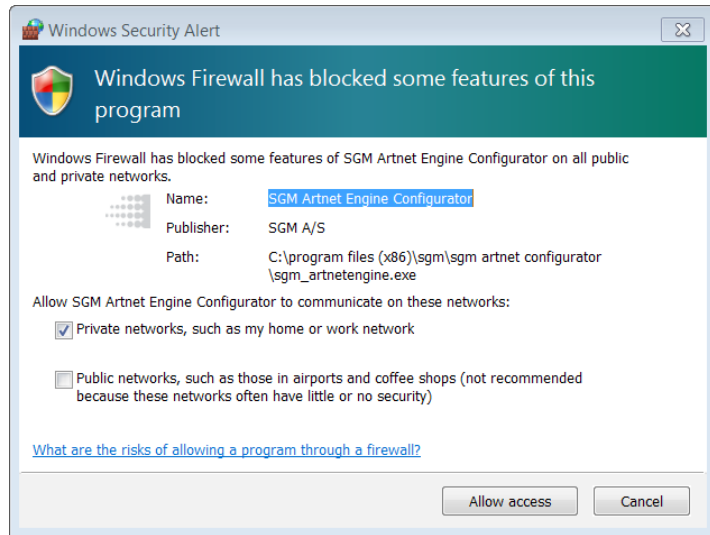
8. Once the installation process has completed successfully, the following window will open:



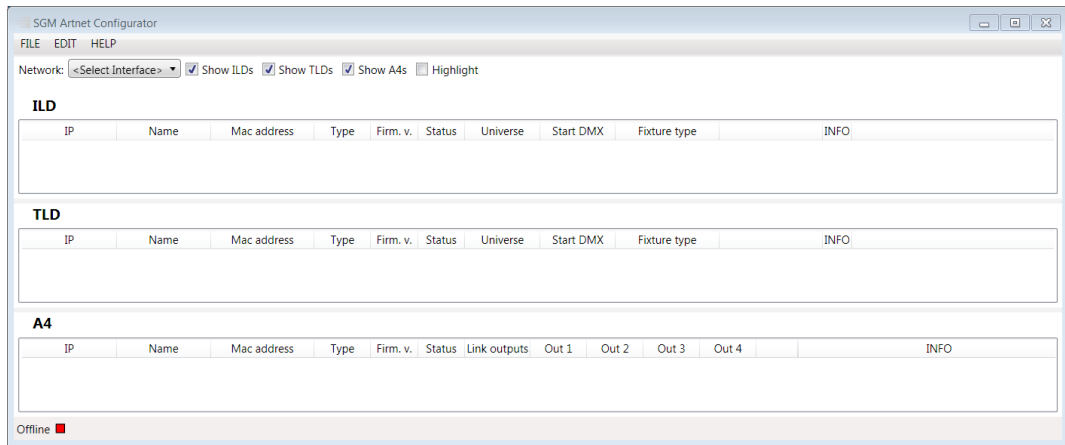
9. Click **Finish**.

Using the SGM Artnet Configurator

1. Start the application by double-clicking on the desktop icon or selecting **SGM Artnet Configurator** from the Start menu. Depending on the firewall configuration on your computer, the first time that you start the application, you might be prompted to confirm that it is a legitimate application.



2. The **SGM Artnet Configurator** main application window opens once the application starts.



3. If the application is **Offline** (indicated by the red icon at the bottom of the window), then select your artnet **Network** from the pull-down list to connect to the SGM artnet fixtures that are attached to the artnet LAN. Ensure that the checkboxes for the SGM fixture types that you want to work with are checked at the top of the window (for example, **Show ILDs**, **Show TLDs** and **Show A4s**). The **Highlight** checkbox is used as a test function, to activate/test all the pixels that have been successfully addressed/configured; it provides a visual check that the configuration has been successful.

4. Once the network has been selected and connected to, the **Online** indicator turns green and any fixtures attached to the network will appear with their current settings displayed.

SGM Artnet Configurator

FILE EDIT HELP

Network: 2.0.0.170 Show ILDs Show TLDs Show A4s Highlight

ILD Searching for ILDs

IP	Name	Mac address	Type	Firm. v.	Status	Universe	Start DMX	Fixture type	INFO
2.16.3.222	SGM ILD 2	00:22:95:00:03:FB	SGM ILD	1.32	Online	3	1	LT-100	Settings

TLD Searching for TLDs

IP	Name	Mac address	Type	Firm. v.	Status	Universe	Start DMX	Fixture type	INFO
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A4 Searching for A4s

IP	Name	Mac address	Type	Firm. v.	Status	Link outputs	Out 1	Out 2	Out 3	Out 4	INFO
2.16.4.47	SGM ILD	00:22:95:00:04:2F	SGM A4	1.29	Online	<input type="checkbox"/>	1	2	3	4	Settings

Online ■

Configuring a pixel driver or A4 Artnet-DMX converter

To review or configure an SGM pixel driver—such as an ILD, TLD—or an A4 Artnet-DMX Converter:

1. Click on the fixture's associated **Settings** button from the **SGM Artnet Configurator** main window. The **Advanced control** pop-up will appear. The fixture's IP address is displayed, as well as temperature and power consumption data (useful as pixel drivers often have a maximum power draw; for example an ILD can only draw up to 150 W).

AdvancedControl

Enable advanced control

2.16.3.222 SGM ILD Board temperature: N/A °C Power consumption: 7.6 W

	Output 1	Output 2	Output 3	Output 4	Output 5	Output 6
Fixture:	LT-100	LT-100	LT-200	LT-100	LT-100	LT-100
DMX Address:	1	82	163	244	325	406
Universe:	3	3	9	9	8	8
	<input checked="" type="checkbox"/> Highlight	<input type="checkbox"/> Highlight	<input type="checkbox"/> Highlight	<input type="checkbox"/> Highlight	<input type="checkbox"/> Highlight	<input type="checkbox"/> Highlight

Upload Firmware Close

2. Settings can only be modified when **Enable advanced control** is checked. For each of the fixture's outputs, you can specify what type of SGM pixel product is attached (for example, LT-100, LT-200, or a number of daisy-chained LED balls), as well as the **DMX universe** and **DMX start address** for the first pixel connected to the output.
3. The **Highlight** checkbox can be used to activate all of the pixels for an output to ensure that the configuration has been performed correctly.
4. The **Upload firmware** button can be used to update the fixture firmware (updates can be downloaded from the SGM website (<http://www.sgmlight.com>)).
5. Press **Done** to close the pop-up window.



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