

SGM ARTNET CONFIGURATOR USER MANUAL REV. 2

© 2012 SGM[™]. Information subject to change without notice. SGM and all affiliated companies disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this manual. The SGM logo, the SGM name and all other trademarks in this document pertaining to services or products by SGM or its affiliates and subsidiaries are trademarks owned or licensed by SGM or its affiliates or subsidiaries.

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 in 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.

					[- • ×
<->-↓	SGM Artnet	Configurator		▼ 🍫 Se	arch SGM Artne	t Configurat 🔎
Organize 🔻	Include in lib	· ·	Burn New folder			• 🔲 📀
☆ Favorites	* =	Name		Date modified	Туре	Size
💻 Desktop	-	🛃 SGM_ArtnetEngineCon	fig_Setup_1.0.0.7	31-05-2013 12:14	Application	690 KB
🗼 Downloads	s					
🐉 Recent Plac	ces					
🧱 Libraries						
Documente	· ·					

3. Click Next.



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

🔂 Setup - SGM Artnet Configurator			×
Select Destination Location Where should SGM Artnet Configurator be installed?			
Setup will install SGM Artnet Configurator into the following fold	ler.		
To continue, click Next. If you would like to select a different folder, clic	k Brows	e.	
C:\Program Files (x86)\SGM\SGM Artnet Configurator	Brows	e	
At least 2,1 MB of free disk space is required.			
< Back Next >		Cance	el

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

🔂 Setup - SGM Artnet Configurator	- • ×
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start	Menu folder.
To continue, click Next. If you would like to select a different folder, clic	k Browse.
\SGM\SGM Artnet Configurator	Browse
< Back Next >	Cancel

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

15 Setup - SGM Artnet Configurator		
Select Additional Tasks Which additional tasks should be performed?		
Select the additional tasks you would like Setup to perform while instal Artnet Configurator, then click Next.	lling SGM	I
Additional icons:		
Create a desktop icon		
< Back Next >		Cancel

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

🔂 Setup - SGM Artnet Configurator	• 🗙
Ready to Install Setup is now ready to begin installing SGM Artnet Configurator on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files (x86)\SGM\SGM Artnet Configurator Start Menu folder: SGM\SGM Artnet Configurator Additional tasks: Additional icons: Create a desktop icon	•
<	
< Back Install C	Cancel

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



9. Click Finish.

Using the SGM Artnet Configurator

 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.

.D												
IP	Name	Mac address	Туре	Firm. v.	Status	Universe	Start DMX	Fixt	ture type		INFO	
LD												
IP	Name	Mac address	Туре	Firm. v.	Status	Universe	Start DMX	Fix	ture type		INFO	
4												
IP	Name	Mac address	Туре	Firm. v.	Status	Link outputs	Out 1 0	ut 2	Out 3	Out 4		INFO

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.

	LP											
work: 2.0.0.1	70 🔻 🥑	Show ILDs 📝 Show	TLDs 🗹 Sh	10w A4s	- Highli	ight						
LD Searching fo	r ILDs											
IP	Name	Mac address	Туре	Firm. v.	Status	Universe	Start DMX	Fixture type		I	NFO	
2.16.3.222	SGM ILD 2	00:22:95:00:03:FB	SGM ILD	1.32	Online	3 🌲	1 🗘	LT-100	- 5	ettings		
FLD Searching f	or TLDs											
IP	Name	Mac address	Туре	Firm. v.	Status	Universe	Start DMX	Fixture type		I	NFO	
44 Searching for	44 .											
IP	Name	Mac address	Type	Firm. v.	Status	Link outputs	Out 1 0	ut 2 Out 3	Out 4			INF
	SGM ILD	00:22:95:00:04:2F	SGM A4	1.29	Online		1 ‡	2 🗘 3 🗘	4 🗘	Settings]	
.16.4.47												

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:

 Click on the fixture's associated Settings button form 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).

AdvancedContr	ol					×
Enable advance	ed control					
2.16.3.222	SGM ILD	Board temperatu	re: N/A °c	Power consumpt	ion: 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:	з 🗘	з 🗘	9 î	9 î	8 🗘	8 🗘
	Highlight	Highlight	Highlight	Highlight	Highlight	Highlight
				Upload Firmware		Close

- 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.



SGM A/S · Soeren Frichs Vej 51-53 · DK 8230 Aabyhoej · Denmark Tel +45 70 20 74 00 · info@sgmlight.com · www.sgmlight.com