ART SSC
Model:

DMX Controllers

iPhone not included

System | ART SSC solid state DMX control (VDE)

Power Input	Power Input 9-12V DC, PoE Class 1
Power consumption	500 mA
DMX output	2 x DMX-512 opto-isolated Output
DMX input	1 x DMX-512 opto-isolated Input
Artnet	Art-Net Output and Input
OSC	OSC Output and Input
Cues	On-board lighting controller with 256 cues
Recorder	DMX recorder with 16 tracks (Only Universe 1 with max 512 channels) / Art-Net recorder with 16 tracks (Universe 1 and 2 total 1024 channels)
Dimensions	170 (L) x 100 (W) x 38 (H) mm
Listing	CE Certified
Ingress Protection Rating	IP20

DMX IN   DMX OUT A   DMX OUT B   SMTPE   ETHERNET

Description

ART SSC

The Art SSC is a lighting controller for permanent installations. The device is completely solid-state, with no moving parts; it is an extremely secure and low-maintenance installation control solution that has only a minimal power consumption. All operating and programming is done through its dynamic web 2.0 interface.

IDEAL FOR : permanent installations, architectural lighting, art installations, retail, bars, clubs, restaurants, exhibitions, interactive media, museums, outdoor lighting and theme parks.

Basic concept of ART SSC is that any cue, DMX/Art-Net recording or scene setting can be triggered by either internal or external triggers. Examples of external triggers are a DMX input signal, contact closure or UDP or OSC messages. Internal (unattended) triggers can be generated by the built-in Real Time Clock using day/date schedule or daily sunset/sunrise.

Lighting Console

Connected to a browser, the ART SSC unfolds itself into a 1024 channel lighting controller, complete with an industry-standard command-line interface for fast programming. It features 256 scenes with programmable fade and hold times.

DMX Recorder

The ART SSC features a DMX and Art-Net recorder with a capacity for storing 16 individual tracks. When using DMX input each track has 512 channels, when using Art-Net input each track has 1024 channels. Tracks are compressed for maximum duration. Multiple tracks can be played back, each with individual master levels.

Show Control

With lighting projects becoming more complex every day, the ART SSC features powerful Show Control logic for advanced system integration. The Show Control editor enables you to program triggers and actions based on events from scheduled dates or times, time code, contact closures or any other incoming signal.

Protocol conversions

The Show Control editor also allows for powerful protocol conversions between any physical port, like DMX or MIDI and any Ethernet based protocol like Art-Net or OSC.

Scheduling

Features a battery backed-up Real Time Clock that can trigger events on date, time, weekdays and sunrise or sunset. Daylight savings can be switched on and off and an offset can be applied to sunrise/sunset triggers as well.

Time-Code

Trigger events or synchronize playback by Time-Code. The ART SSC can also act as Time-Code master or convert between SMPTE and MTC.

OSC

The ART SSC can send and receive OSC messages. By using TouchOSC, a third-party app, you can design your own touch-screen user interfaces for mobile devices.

aTouch

For the ultimate stand-alone playback, the ART SSC is compatible with the aTouch software. aTouch is a cross-platform (Windows, Mac & Linux) touch screen user-interface. In the ART SSC any combination of buttons and faders can be programmed, that will be available to the operators using aTouch.

Monitors

Intuitive monitor screens for analysing incoming and outgoing DMX, Art-Net, MIDI and OSC data. Two DMX512 outputs and one DMX input, all optically isolated. Ethernet rugged Ethercon connection with support for HTML, Art-Net, OSC and proprietary protocols.

MIDI

MIDI input, through and out ports. Incoming MIDI messages can be used to trigger any function within the ART SSC.

GPI

The GPI port features 4 dry contact closures, which can trigger any event within the ART SSC. The number of contact closures is expandable by connecting to the ART SSC's ART IO module.

DIN-rail ready

The enclosure is prepared for DIN-rail mounting with an optional adapter.

www.acclaimlighting.eu

ART B6

Controllers

System	ART B6 6-button panel/stand-alone DMX control (VDE)
Power input	Power-over-Ethernet only
Supports	DMX, OSC, UDP, Art-Net
DMX output	1x DMX-512 universe
Cues	6 cue lists/zones, 768 cues
Power input	Power-over-Ethernet only
Dimensions	128 (L) x 85 (W) x 34 (D) mm
Listing	CE certified
IP rating	IP20

Description

ART B6

The ART B6 is a wall-mount button panel with 6 push-buttons. It can remote control any function within the ART SSC. The buttons are back-lit and can provide visual feedback, for example, to indicate the selected cue or active show.

Multiple Art B6s can be networked together. The Art B6 supports various open protocols like OSC, UDP and Art-Net. This allows it to be integrated with other 3rd party networkbased systems as well, e.g. audio, video or show control systems.

For small architectural projects, the Art B6 contains an inbuilt lighting controller that is capable of programming 32 fixtures and a maximum of 768 cues. The lighting can be divided into 6 individually controlled zones. This stand-alone controller even features an FX generator for e!ects like sinus, rainbow, twinkle, random strobe, etc. All programming is done via the web-interface, no additional client software is required.

6 Push-Buttons
The Buttons are backlit by white LEDs. It comes with a collection of labels, ranging from numbers, icons to colors.

Open Protocols
Supports UDP, OSC, Art-Net and DMX protocols to communicate with any other network-based device or software.
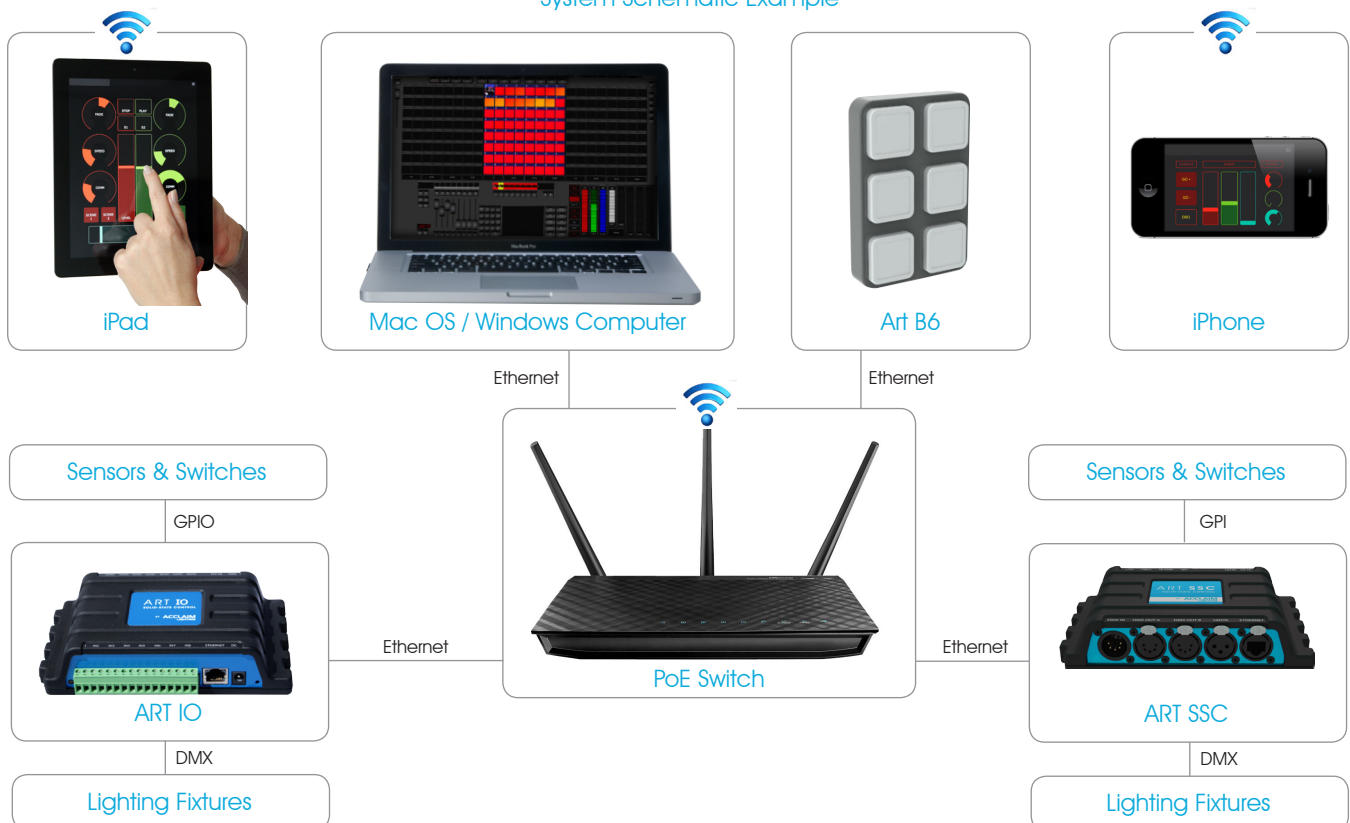
Stand-Alone Controller
Control small architechtural installations stand-alone with the in-built lighting controller for 6 zones, including FX-Generator.

Wall-Mount
Fits European and North American gang boxes. Easy to wall-mount, even when no gang box is available.

System Schematic Example

iPad	Mac OS / Windows Computer	Art B6	iPhone

Ethernet — Ethernet

PoE Switch

Sensors & Switches		Sensors & Switches
GPIO		GPI

ART IO		ART SSC

Ethernet — Ethernet

DMX		DMX

Lighting Fixtures		Lighting Fixtures

ART SSC

Controllers

iPhone not included

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Emulation Pro

Lighting Control Software

Macbook not included

System	Advanced scalable lighting control software
Cross platform	Windows, Mac OS & Ubuntu Linux
Hardware platform	ART SSC, ART IO, ART B6
Control	Ethernet connected
Physical interfaces via ART SSC/ART IO	DMX, GPI, GPO, MIDI, RS232, SMPTE, Ethernet
Network interfaces	OSC, UDP, IP, Art-Net
Compatible with	aTouch, TouchOSC, third party MIDI devices

Description

Emulation Pro

Emulation Pro is a free download, available for Windows, Mac & Linux. It can be installed on multiple computers; the one connected to the ART SSC hardware becomes 'live', also enabling all hardware interfaces like general purpose input- and output ports, SMPTE time code and DMX in and out.

The Emulation Pro user interface is designed with touch screens in mind. Speedy programming of lighting cues and matrixes is possible using the freely programmable, direct access group and palette buttons. A TouchOSC template is available to mimic all functions of the software on an iOS device - a fully functional Emulation Pro remote control!

Emulation Pro features an extensive matrix pixel mapper for creating beautiful matrix effects. Some examples of effects that come with the software are twinkle, sinus, confetti, vortex, rainbow and text generator. These effects can be modified as well, changing parameters like density, shape, speed, etc. Once created, the software can calculate a seamless loop that can be automatically spanned across multiple ART SSCs. When copied to the ART SSCs, one can remove the computer with Emulation Pro, leaving the network with ART SSCs connected on site, thus facilitating unattended playback of complex matrix patterns. An Emulation Pro system is an excellent solution for media façades, shopping malls and other architectural projects.

Emulation Pro can be tightly integrated in other media systems as well. Using a choice of time code sources, events can be synchronized with lighting cues. UDP messages sent over the network can be used to synchronize lighting with media players and video content. The software also includes a powerful time line editor, as an alternative to the industry standard cuelist system. In fact any part of the Emulation Pro user interface can be activated by external triggers.

Cross Platform

Being cross-platform, Emulation Pro can be installed on Windows, Mac or Ubuntu Linux computers. The software license allows you to install this application on as many computers as you like. The one computer linked to the hardware interface becomes your `live' system.

Lighting Console

Connected to a browser, the ART SSC unfolds itself into a 1024 channel lighting controller, complete with an industry-standard command-line interface for fast programming. It features 256 scenes with programmable fade and hold times.

Scalability

Emulation Pro is a scalable system. Starting from a single ART SSC you can expand up to 8 units, several ART IOs and even ART B6 control panels. Over 8,000 DMX channels can be controlled with a single system, comprising Emulation Pro and 8 ART SSCs.

Protocol conversions

The Show Control editor also allows for powerful protocol conversions between any physical port, like DMX or MIDI and any Ethernet based protocol like Art-Net or OSC.

ART SSC Programming Tool

The ART SSC has many stand-alone features that can be accessed by its web-interface. Alternatively, you can also use Emulation Pro to program the internal memories of the ART SSC. programming the ART SSCs by using Emulation Pro is particularly time-saving in a multiple-ART SSC setup.

aTouch

Emulation Pro is compatible with aTouch, an external program that runs on Windows, Mac OS and Linux. It features buttons and faders to trigger the software, taking away the control part from the programming of Emulation Pro. aTouch is developed with touch screens in mind, password protected, and can be set to start up upon switching on the computer.

Monitors

Emulation Pro features intuitive monitor screens for analysing incoming and outgoing DMX, Art-Net, MIDI and OSC data.

Time-Code

Apart from the industry standard cue list system, Emulation Pro features a timeline editor for programming accurate light shows. It can be synchronized by various time code protocols, like MIDI, OSC and SMPTE.

OSC

Emulation Pro is compatible with OSC. Using the TouchOSC editor (available from www.hexler.net) and the TouchOSC app (available from the Apple App Store) one can create a unique user interface to control Emulation Pro, especially tailored to the customer's needs. A fully functional TouchOSC template for Emulation Pro's GUI , including feedback, is available on request.

MIDI

Multiple MIDI control surfaces can be connected to enhance the GUI of Emulation Pro. Adding MIDI controllers offers the tactile feel of knobs and sliders. Many brands and models are supported.

Matrix Effects