

# CLUB SPI

## USB to SPI and DMX interface



**FREE SOFTWARE & APPLICATION DOWNLOAD**

Chromateq's latest innovative **USB-to-SPI stand-alone interface** features both SPI and DMX512 ports. Thanks to its tiny and compact size, minimal integration space requirements, and SPI LED and DMX communications. The CLUB SPI is the ideal LED controller or LED driver for all types of LED lighting installations and LED Strip projects.

The CLUB SPI converts data from the software directly to SPI format up to 3072 SPI channels, for 1020 RGB or 768 RGBW pixels at 25-30 fps. Everything is integrated into a single device to output SPI directly, canceling the need for a DMX controller paired with an additional DMX to SPI driver.

The device benefits from Chromateq's popular and **powerful stand-alone features**. It can easily record a show to its internal memory and play it back without requiring a computer.

The interface offers **multiple trigger options**, including DMX input, Smart Dry Contacts, and infrared remote control. It can be seamlessly integrated into any lighting system, making it an essential tool for all LED projects.

The CLUB SPI is very versatile because it can also be used as a standard **DMX to SPI driver** of 512 DMX channels input to 170 RGB or 128 RGBW pixels with a smaller integration space than standard LED drivers and the 1 to 6 pixels grouping option.



**CHROMATEQ**

## HARDWARE Features

DMX output	512 In/Out channels PC and 512 Out Stand Alone
SPI Out (Data + Clock)	1x 1020 Px. / 3072 Ch. at 15 (USB) to 25 fps (Stand Alone)
Input	USB-C (5V. DC, 0.3A)
RDM (dual DMX data directions, DMX addressing)	Yes
Options	Pixel Grouping, Start DMX address, Pixel repeating
Zone	1 Zone, play 1 scene/sequence at time in Stand Alone
Internal Memory	32 MB - max steps capacity 8 000 for 7U. (1U. DMX + 6 U. SPI)
Infrared (scenes, play, pause, dimmer, speed)	Additional Infrared commands and additional commands on triggers
DMX Modes	DMX In/Out, DMX Record, DMX Trigger
Configuration	Devicetool + Software
Stand Alone Options	16-bit and fine channel management Cross Fade time between scenes Default start scene when power up
Triggers	3 Triggers, Contact on external T. Block (On, On/Off, Release, Restart, Scene, Commands and function Controls, Priority) Infrared receiver (Remote control included) Infrared options: 15 scene selection, speed, dimmer, pause, stop, next
Max DMX outputs (USB)	x1 USB interfaces connected
Power	DC In USB-C 5V DC + 9-24V DC ; 0,3A Input on Terminal Block
Dimensions (mm / in)	H : 103 (4.06 in ) / W : 50mm(1.96in) / D : 37,5mm (1.47in)
Weight	0.1 Kg (0.22 lb)
Housing	Extruded Aluminum
I/O Connectors	USB-C 2.0, 5 and 6 pin T. BLocks
Operating Temperature	-40 to +85 C°
IP Rating	IP40
Certifications	CE, LVD, RoHS
International Warranty	3 years

## SOFTWARE Features

PRO DMX 2	Yes, up 64x512 DMX output max
PIXXEM	No
STUDIO DMX	Yes, 3D viewer in real time (Full mode)
WI-LIGHT - APP	Yes, Software LAN control from PC, Tablet, Mobile
Art-Net Output from PC	Optional
System Compatibility	Windows, iOS, Linux, Raspberry
Worldwide Technical Support	Yes, English, French, Spanish, Chinese

### Mobile minimum configuration :

Android 5 / iOS 10 and +  
1Ghz CPU, 1 Gb RAM, 60 Mb disk

### Configuration minimale PC :

Windows, Mac OS, Linux (32 and 64 bits)  
2Ghz CPU (2 cores), 8 Gb RAM  
2Gb RAM graphic card (for 3D only)  
600 Mb disk, 1920x1080 resolution  
1 USB port (Device)  
1 Ethernet Port (for Art-Net & sACN)

### Software, App download & software package download :

<https://chromateq.com/dmx-software-downloads/>

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