

# ANCOS

## Overview

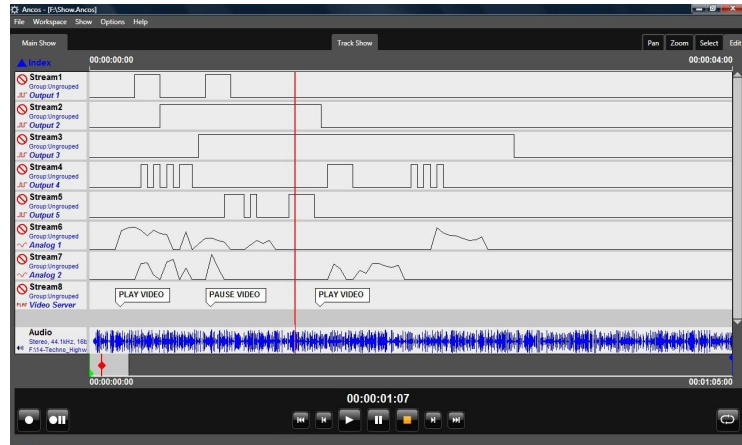
ANCOS is a complete show control solution ideally suited to both large and small scale audiovisual and mixed media attractions.

ANCOS allows multiple channels of digital, DMX512, servo, serial and Ethernet control messages to be synchronised to an optional audio channel, providing fully integrated control of lighting systems, AV systems, video servers, sound processors, animatronics and much more.

The ANCOS Controller supports a variety of control protocols allowing a wide range of hardware to be controlled via USB or Ethernet connections.

An optional USB to Serial interface allows bi-directional RS-232 control, while a USB to DMX512 interface allows full control of DMX lighting systems.

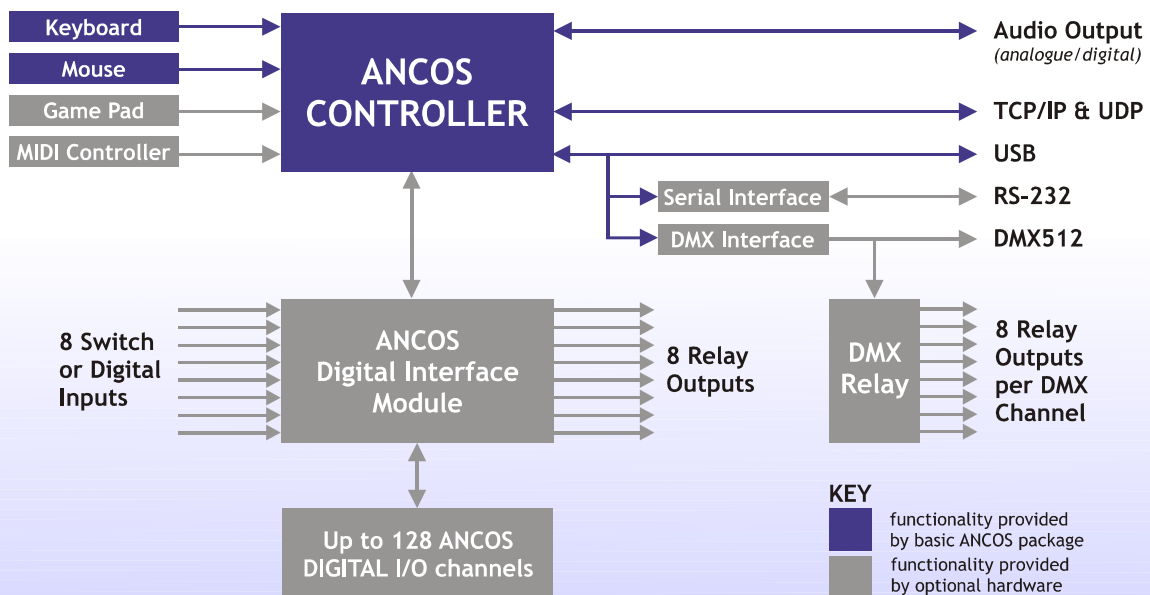
Digital inputs and outputs are provided by the addition of one or more ANCOS Digital Interface Modules.



Digital outputs can also be provided using our DMX Relay (in conjunction with a USB to DMX interface). Each DMX Relay unit converts one DMX channel into 8 output relays.

ANCOS show programming is quick and straightforward with the fully integrated and easy-to-use timeline-based graphical interface. Real-time or non-linear programming is possible via a keyboard and mouse, and by using an optional game pad or MIDI-USB control surface (e.g. the Korg nanoKontrol™). ANCOS shows can be run automatically or in response to external stimuli like button presses, presence detectors or command messages sent over serial or Ethernet.

With its simple and versatile design ANCOS will find many applications in Theme Parks, Museums, Heritage Centres and other Visitor Attractions.



## Technical Specification

### Serial I/O

- 6 x USB 2.0 ports
- RS-232 via optional USB-Serial interface

### Digital I/O (via optional ANCOS Digital Interface Modules)

- up to 128 inputs (switch or TTL)
- up to 128 outputs (voltage-free SPST relays)

### DMX512

- via optional USB-DMX interface
- optional DMX Relay interface gives 8 relay outputs per DMX channel

### Ethernet

- RJ45 (10/100/1000)
- WiFi Interface

### Control Protocols

- DMX512 up to 512 channels (1 DMX universe)
- DMX Digital up to 8 relays per DMX channel
- ANCOS Digital up to 128\* inputs and 128\* outputs
- SSC32 up to 32\* servo channels
- ES4000 (D-type) up to 96 relays (via Electrosonic™ products)
- Text Message unlimited bi-directional control via serial or Ethernet

\*Please contact us for applications requiring additional I/O channels

### Audio Output

- 3.5mm jack / mini-TOSLINK
- stereo line level, WAV or MP3
- SPDIF (optical) or HDMI
- AC3 (7.1 digital) and MP2

### Video Display Output (for programming interface only)

- DVI-D or HDMI

### Multifunction card reader

- Supports SD/SDHC/MS/MS Pro/MMC memory cards

### Dimensions (WxHxD)

- 190 x 135 x 25mm (excluding VESA mounting cradle)

### Weight

- 0.5kg

### Mounting Options

- VESA-75/100 cradle or free-standing

### Certifications

- CE, CB, FCC, UL, CCC, BSMI, Gost, VCCI, PSE (only for AC Adapter) R & TTE

### Environmental

- 5 to 35°C ambient operating temperature
- 10% to 90% relative humidity (non-condensing)

## ANCOS Accessories

### Supplied

- USB keyboard and mouse for control/programming
- AC power adapter for the ANCOS Controller

### Optional

- USB Game Pad for programming
- MIDI-USB control surface for programming
- ANCOS Digital Interface module for digital inputs/outputs
- USB-Serial interface for RS-232 input/output
- USB-DMX512 interface for DMX512 control
- DMX Relay for relay outputs via DMX