WEIGL

Control

Powering Entertainment Around the World

PROCOMMANDER®
X SERIES

DOLLYWOOD'S WILDWOOD GROVE

Created by LifeFormations

Produced by The Imagination House

PIGEON FORGE, TENNESSEE

PROCOMMANDER® AX

Featuring Dual Ethernet And Wi-Fi

The **ProCommander® AX** is the most advanced micro-sized animation controller ever created, fitting nearly anywhere your attraction requires. Advanced networking with Wi-Fi allows isolated motion and lighting control networks and simplified show system integration. Build shows with full polyphony and thousands of channels of control.

OUTSTANDING FEATURES

- ▶ Polyphonic Audio Layering
- ▶ High Powered Class-D Amplifier
- ▶ Wi-Fi
- ▶ CAN & RS-485 Interface
- ▶ Uncompresssed .wav Format
- ▶ 2x Ethernet
- ▶ 16 Universes of DMX

PROCOMMANDER® HX

Featuring 8 High Powered Class-D Amplifiers

The **ProCommander® HX** extends the key features of the **ProCommander® AX** with the addition of 8 uncompressed polyphonic, DSP controlled audio channels. Microphone and line-level inputs provide paging, ducking and background music.

OUTSTANDING FEATURES

▶ Graphic Display
▶ 8x High Powered Class-D Amplifiers
▶ Multi-Zone Support
▶ 16x Digital/PWM Output PNP or NPN
▶ 2x Ethernet
▶ SMPTE In/Out
▶ Optical Output
▶ CAN, RS-485 Half/Full-Duplex

The **ProCommander® VX** combines all features of the **ProCommander® AX** with a 4K or dual-HD 1080p video player into a single integrated rack unit.

OUTSTANDING FEATURES

▶ Graphic Display
▶ 16x Digital/PWM Outputs PNP or NPN
▶ 2x Microphone Inputs
▶ 4x High Powered Class-D Amplifiers
▶ 4K or Dual-HD 1080p

ProCommander® Series

CALICO RIVER RAPIDS - KNOTT'S BERRY FARM
Created by Garner Holt Productions
Buena Park, California

PROCOMMANDER® ES

The **ProCommander® ES** harnesses all logic functionality of the **ProCommander® 3**, while providing the essential control you need for applications that require fewer discrete inputs, outputs or serial devices.

OUTSTANDING FEATURES

▶ 8x Digital Inputs & 8x Digital/PWM Outputs
▶ 8x Analog Inputs
▶ DMX-512 Output
▶ High Powered Class-D Amplifier
▶ Stereo Audio

PROCOMMANDER® 3

Comprehensive Show Control

The **ProCommander® 3,** our best selling controller, includes the reliable functionality required for many shows ranging from small museums to full scale theme parks.

OUTSTANDING FEATURES

- 16x Digital Inputs & Outputs
- DMX-512 Input & Output
- 8x Analog Inputs & 4x Analog Outputs
- High Powered Class-D Amplifier
- 3x RS-232 & 1x RS-485 Serial Port
- DMX Merging

ProCommander® PHX 2

Featuring SMPTE Synchronization And Stereo Layering

Enhancing media and synchronization abilities from the **ProCommander® 3**, the **ProCommander® PHX 2** features audio mixing abilities, layered playback and SMPTE synchronization.

Outstanding Features

- ▶ Polyphonic Audio Layering
- ▶ Dual-Zone Support
- ▶ 8x Analog Inputs
- ▶ High Powered Class-D Amplifier
- ▶ SMPTE Input & Output
- ▶ 2x Stereo Outputs

PROCOMMANDER® LX 2

Featuring 16 Channels Of Balanced Audio

The **ProCommander® LX 2** is a multi-scene, multi-channel playback controller. This device can power a large theater show through SMPTE or an entire museum of independently zoned show playback.

OUTSTANDING FEATURES

▶ 16x TRS Balanced Audio Outputs or 8x Stereo Outputs
▶ Multi-Zone Support
▶ SMPTE Input & Output
▶ Real Time Clock

WEIGL
Control

HAPPINESS
Robot art installation by Dries Verhoeven (Amsterdam, The Netherlands)
Animatronic created by Chris Creatures Filmeffects
Robot components by IGUS GmbH
Programmed by Stefano Trambusti

Berlin, Germany

TASK #1:
Bright or bold coloration in nature can
be a benefit. Displays can attract mates
or serve as a warning to predators.
Find the animals with display or
warning colors.

TOLEDO ZOO

BLUE TEAM	GREEN TEAM		PURPLE TEAM	RED TEAM
100	1000		500	900

PRISMTAG™
SYSTEM

TOLEDO ZOO - NATURE IN HAND
Created by Graphite Design & Build
TOLEDO, OHIO

Customize Your Interactive Targeting System

The **PrismTag™ System** is an interactive, web configurable targeting and scoring system featuring real-time interaction through the **ProCommander®** and **Pro I/O™ Series**.

PrismTag™ Wand
Available with optional audio module and laser light. Custom housings upon request.

PrismTag™ Targets
Programmable RGB control and onboard digital outputs. Daisy-chain for simplified installation.

PrismTag™ Scoring
Components to track and display scoring, as well as video, at the ride car, scene and attraction level with wireless capabilities.

Pro I/O™ Series

REESE'S CUPFUSION - HERSHEYPARK

Created by Sally Dark Rides

Hershey, Pennsylvania

Pro I/O™ devices deliver many options - analog, digital, relay, DMX-512, CAN, or servo output - to fit your expanding installation requirements in a small, networked form factor. Use any of our familiar software tools for MacOS, PC & iOS to send position commands through a standard control channel.

Additional parameters can utilize our ASCII scripting language to manipulate local and external features of the **Pro I/O™** modules.

ACCESSORIES

Stand-Alone Video Player

The **Pro VP™** is an embedded stand-alone video player solution providing two HDMI outputs, each supporting frame synchronous Full-HD@30fps for 3D cinema projection or simply dual screen. **Pro VP™** features Midi and ArtNet time code for synchronizing of external equipment and multi-display solutions. A custom friendly web interface is also provided.

OUTSTANDING FEATURES

▶ 2x Full-HD@30fps; 3D ready
▶ Dolby 5.1 via HDMI Output
▶ UDP Command Interface
▶ 2x Ethernet
▶ Line-Out
▶ 2x RS-232

ACCESSORIES

Rack & DIN Rail Mount

These mounting options provide the ability to mount **ProCommander**® and **Pro I/O**™ hardware in the field without having to physically modify the hardware itself. Both 19" rack mount and industry standard DIN rail mounts.
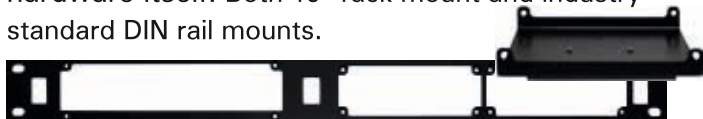
Motion Detector
& WEMC-Key232

Using standard industry protocols, we designed these components to be complements to our own hardware, while being able to stand completely on their own.

WEMLink™

WEMLink™ modules* simplify automation process control information exchange between **EtherCAT** or **EthernetIP** systems and all **ProCommander**® controllers.

*Shipping Early 2020.

Digital Electric Servo Motor Control

ProCommander® X Series controllers are capable of directly controlling a variety of motor drivers through standard industrial interfaces such as RS-485, CANopen, Network and more. These drivers provide direct PVT, PTP or IP information for the drive from **Conductor**™ or **Showforge**™ timelines and map motor homing and feedback parameters directly to **Weigl** variables or PLC parsing for upstream monitoring and reporting.
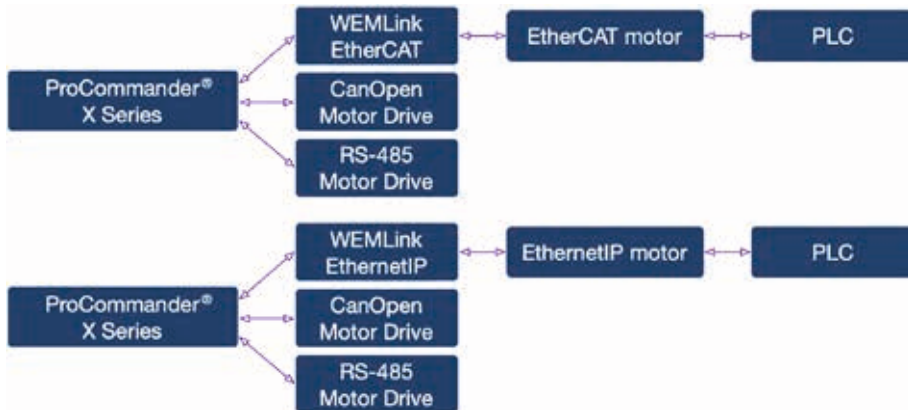
Over 25 publicly available motors are currently available with new manufacturers continually being added. From Dynamixel to Harmonic Drive, **Weigl Control** is unifying and simplifying entertainment industrial controls.

PLAYBACK CONTROL

Timecode Control, ArtNet, sACN

ProCommander® X Series controllers offer a powerful feature not seen in other controllers in their class.

Capture your complete lighting show over popular network standards such as ArtNet. Each frame is captured, interpolated and ease-in capable for jamsync playback from SMPTE, MTC, ArtNet and other popular timecode standards.
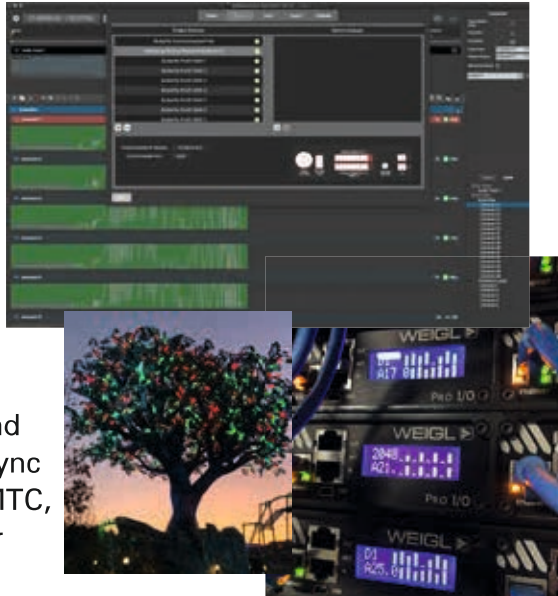
Weigl Hardware Configurator is command central for all Weigl hardware across PC & MacOS platforms.

Weigl Mobile Commander provides a simple, drag-and-drop interface for creating customized Weigl hardware user experiences for both testing and production deployment.

TIMELINE BASED SOFTWARE

Weigl Control offers cross-platform tools for timeline based show creation. Program with joysticks, keyboards and DAW devices, or record from lighting consoles or external data sources.

Developed exclusively in-house by Weigl Control, **Showforge™** provides rich visual tools for laying out complex Weigl animation and lighting shows, while allowing a range of user interface styles from our unique 'heads up' live mode to full analog data manipulation and envelope portability. Create sequences once and shift and re-purpose in seconds through our most powerful workflow yet.
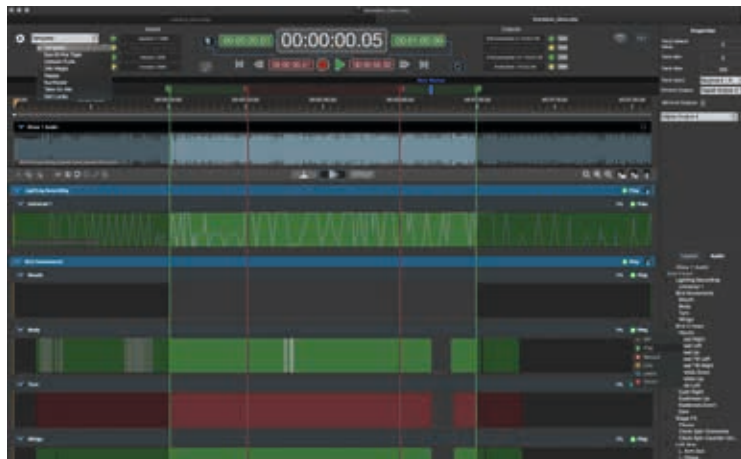
Conductor and **VenueMagic** are supported third-party, PC-based software options also available for programming Weigl equipment.

	ProCommander® AX	ProCommander® HX	ProCommander® VX	ProCommander® ES	ProCommander® 3	ProCommander® PHX 2	ProCommander® LX 2	PrismTag™ System	Pro VP™
Ethernet	2x ✓	2x ✓	4x ✓	✓	✓	✓	✓	1x ✓	2x ✓
WEM-NET	✓	✓	✓	-	✓	✓	✓	-	-
I/O-NET	✓	✓	✓	✓	✓	✓	✓	2x ✓	-
ArtNet Supported	✓	✓	✓	✓	✓	✓	✓	-	-
Mini USB	✓	✓	✓	✓	✓	✓	✓	1x ✓	-
Display	Graphic	Graphic	Graphic	LCD	LCD	LCD	LCD	7" LCD	-
Digital In/Out	8*/4	16/16*	16/16*	8/8	16/16	16/16	16/16	0/4	-
RS-232/ RS-485/ CAN	0/1/1	4/1/1	7/3/1	-	2/2/0	1/2/0	2/2/0	0/1/0	2/0/0
DMX In/Out	0/512*	512/512	512/512	0/512	512/512	512/512	512/512	-	-
Servo Out	-	8	8	-	4	-	-	-	-
Analog In/Out	4*/4	12/4	12/4	-	8/4	8/0	8/4	-	-
Analog closed loop	4/4	4	4	-	-	-	-	-	-
SMPTE Time Code	-	In/Out	In/Out	-	Opt.	In/Out	In/Out	-	ArtNet/MIDI
Real Time Clock	-	✓	✓	-	✓	✓	✓	-	-
Internal Storage	MicroSD	SD	SD	MicroSD	MicroSD	MicroSD	SD	MicroSD	SSD
Amplifier (High Powered Class D)	✓	✓	✓	✓	✓	✓	-	-	-
Audio	1x $\frac{1}{8}$"	2x 25p. Sub-D	25p. Sub-D	1x $\frac{1}{8}$"	1x $\frac{1}{8}$"	4x RCA	16x $\frac{1}{4}$"	1x $\frac{1}{8}$"/ Opt.	✓
Polyphonic Audio	✓				✓	-	-	-	✓
Microphone In/Line In	-	2x $\frac{1}{4}$"/ 1x $\frac{1}{4}$"	2x $\frac{1}{4}$"/ 1 x $\frac{1}{4}$"	-	-	-	-	-	1/0
Wi-Fi	✓	-	-	-	-	-	-	✓ Opt.	-
4K/ Full HD Videoplayer	-	-	✓	-	-	-	-	✓ Opt.	✓

Opt. = Optional   ✓ = Included Feature   - = Not Included Feature   * = Shared Feature

Black = PrismTag™ Target   Blue = PrismTag™ Wand (Audio)   Purple = PrismTag™ Scoring Display

	PRO I/O ANALOG 8	PRO I/O ANALOG +/-10V	PRO I/O DIGITAL 32 NPN	PRO I/O DB37 NPN	PRO I/O DIGITAL 32 PNP	PRO I/O DMX-512	PRO I/O RELAY 8	PRO I/O REMOTE 16	PRO I/O SERVO 16	PRO I/O CAN 16	WEMLINK ETHERCAT	WEMLINK ETHERNETIP
Ethernet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WEM-NET	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ArtNet Supported	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Mini USB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Display	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	-	-
Digital In/Out	-	-	0/32	0/32	0/32	-	-	16/0	-	-	-	-
RS-232/ RS-485	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/1	0/1
DMX In/Out	512/0	512/0	512/0	512/0	512/0	512/512	512/0	512/0	512/0	512/0	-	-
Servo Out	-	-	-	-	-	-	-	-	16	16	-	-
Relay Out	-	-	-	-	-	-	0/8	-	-	-	-	-
Analog In/Out	0/8	-	-	0/8	-	-	-	-	-	-	-	-
Real Time Clock	-	-	-	-	-	-	-	✓	-	-	-	-
Internal Storage	-	-	-	-	-	-	-	EEProm	-	-	-	-
Standalone	-	-	-	-	-	-	-	✓	-	-	✓	✓
EtherCAT	-	-	-	-	-	-	-	-	-	✓	-	

Opt. = Optional   ✓ = Included Feature   - = Not Included Feature

WEIGL CONTROL

PRO COMMANDER® SERIES
PRO COMMANDER® X SERIES
PRO I/O™ SERIES
PRO VP™ SERIES
PRISM TAG™ SYSTEM

www.WeiglControl.com

Weigl Support and Solutions Center | www.Weigl.Support

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