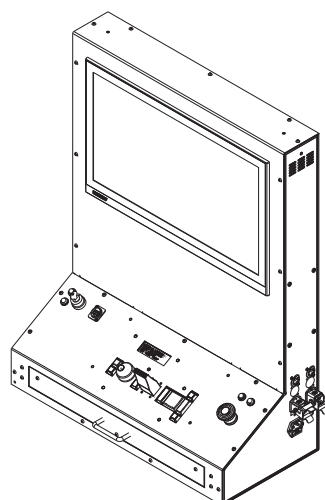# STAGE MANAGER™

Spikemarktm brought automation to shows big and small with unmatched simplicity. **Stage Manager**tm brings the same intuitive, powerful, and flexible tools to venues that need rigging control and production automation in a single elegant operator station.

Applications

- Academic theatres
- Regional theatres
- Houses of worship
- Convention centers
- Concert halls

Features

- Intuitive one-screen interface
- Unlimited number of machines
- Unlimited number of cues
- Unlimited number of shows
- Flexibility to control any machine including:
    - Hoists
    - Revolves
    - Deck winches
    - Elevators
    - Traveler tracks
    - Sunroof trap doors
    - Simple pneumatic effects
- Live 3D view of all automation
- Simulator mode for motion preview
- Time-based or speed-based cues
- Easily configure additional machinery per show
- Synchronize video projection with automation
- Trigger lighting cues through the network
- Modular components for future expansion
- Run-only mode prevents accidental cue editing
- Show file logs record every action
- Offline programming on any Windows PC
- Industrial touchscreen PC
- Built-in UPS ensures orderly system shutdown during power failure
- Persistent Positiontm remembers the position of every machine even when the power goes out
- Joystick and jog wheel for manual movements
- Operating buttons with dimmable backlight
- Rugged wall-mount steel enclosure
- Optional remote Emergency Stop pendants
- Remote troubleshooting

Stage Manager
$15,900
with Showstopper Rack
$19,000

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Accessories

- Showstopper 3 Base, Hub, and Remote
- Spikemark Pendant
- Showstopper 3 Emergency Stop Expansion Hub(s)
- Stagehand Motion Controllers:
    - Stagehand Pro Architectural™
    - Stagehand Pro™
    - Stagehand Servo™
    - Stagehand Apprentice™
    - Stagehand Mini²
    - Stagehand FX™
- Production Automation Machinery:
    - Revolver™ turntable machine
    - Pushstick™ deck winch
    - Spotline™ hoist
    - Trickline™ linear actuator
    - Floorpocket™ elevator
    - Smart Chain Hoist™
- Hoists by Thern

Hardware Specifications

- Industrial PC with Windows 10 IoT Enterprise
- 21.5-inch industrial touchscreen
- Cue control buttons:
    - Go
    - Hold-to-run
    - Next Cue
    - Previous Cue
    - Jump to Cue
- Manual jogging controls:
    - Variable-speed joystick
    - Click-wheel positioning
    - Coarse/fine selection
    - Hold-to-jog
- Showstopper 3 dual-channel Emergency Stop
- Industrial network switch
- Uninterruptible power supply
- Retractable keyboard drawer
- External USB port for flash drives and other accessories
- Black powder-coated steel enclosure built for wall-mounting

System Capacity

- Unlimited number of machines
- Unlimited number of cues
- Unlimited number of machines per cue
- Unlimited number of Spikes (named positions) for each machine
- Unlimited number of cue links for complex movements
- Large-capacity solid-state storage for show files and log files
- Single GO button for cue playback with unlimited overlapping concurrent cues

Configuration

- User access controls for setup, cue writing, and operation
- Machine library
    - Easily add machinery to a show with factory settings
    - Customize the library with any machine parameters
    - Import/export machine configurations
- Position scale wizard for simple encoder scaling
- User units:
    - Degrees
    - Inches
    - Feet
    - Meters
    - Millimeters
    - Raw encoder counts
- Maximum allowable position error and cue target tolerance
- Per axis speed configuration:
    - Maximum cue speed
    - Default cue speed
    - Default cue acceleration
    - Maximum jogging speed
- PID tuning parameters
- Per axis Spikes (named positions) for easy cue editing
- Per axis active/inactive selection to temporarily disable a motor within a show file
- Per axis 3D model to display horizontal, vertical, or rotary motion
- Adjustable polling interval for advanced system calibration
- Customizable single-window or multi-window screen layout
- Intuitive status icons and color coding for every effect

Cue Creation

- Elegant point-and-click interface with rapid editing
- Unlimited machines per cue
- Motion cues with programmable position, speed, and acceleration
- Time-based cues
- Speed-based cues
- Link cues by:
    - Auto-follow
    - Time delay
    - Position trigger
    - External input trigger
- Alter speed and/or target position without stopping
- Number, renumber, and insert cues in the cue stack
- Searchable cue descriptions
- Duplicate cues
- Compose cues with any combination of:
    - Motion of machinery with encoder feedback
    - Dry contact closures for simple devices without encoder feedback
    - Arbitrary text messages over UDP
    - Modbus commands

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Playback

- Single playback with GO button
- Multiple cues can run concurrently with programmed links or manual execution
- Run in sequence with Next Cue and Previous Cue commands
- Jump to any cue out of sequence
- Search the cue stack by cue number or description
- Restore Cue function easily positions all effects on stage when running out of sequence
- Enable/disable all programmed cue links
- Activate/deactivate any effect to include/remove it from the show
- Hold-to-run button
- Soft-stop to abort cues with a gentle deceleration
- Run-only mode prevents accidental cue editing
- Expand or collapse the cue grid to see more detail or less
- Duration displayed for every cue
- Countdown timer on every cue while running
- Show log file captures all activity
- Operator log messages for post-show troubleshooting

Manual Control

- On-screen jog controls
- Physical jog controls
    - Variable speed joystick
    - Positioning click-wheel with coarse/fine modes
- Configure per-axis maximum jog speed
- Non-linear jog curve for precise low-speed control

Showstopper Rack (optional)

- 9U Wall-mount rack
- Showstopper 3 Base
- Ethernet switch (24-port)
- Cable entry slot

Dimensions

24"W x 31.15"H x 12.31"D

31.15in

24.00in

11.00in

12.31in

Electrical

- 110VAC, 50Hz / 60Hz, 1.4A max
- Showstopper 3 Accessory input port for connection to Showstopper 3 Base
- Showstopper 3 Accessory output port for connection to remote pendants or hubs
- 2 Ethernet Ports for Stagehand and Spikemark Pendant communication
- 1 External USB port
- Dual-channel Emergency Stop

Technical Support

Creative Conners stands behind its products with insanely good technical support via phone, email, and through the web.
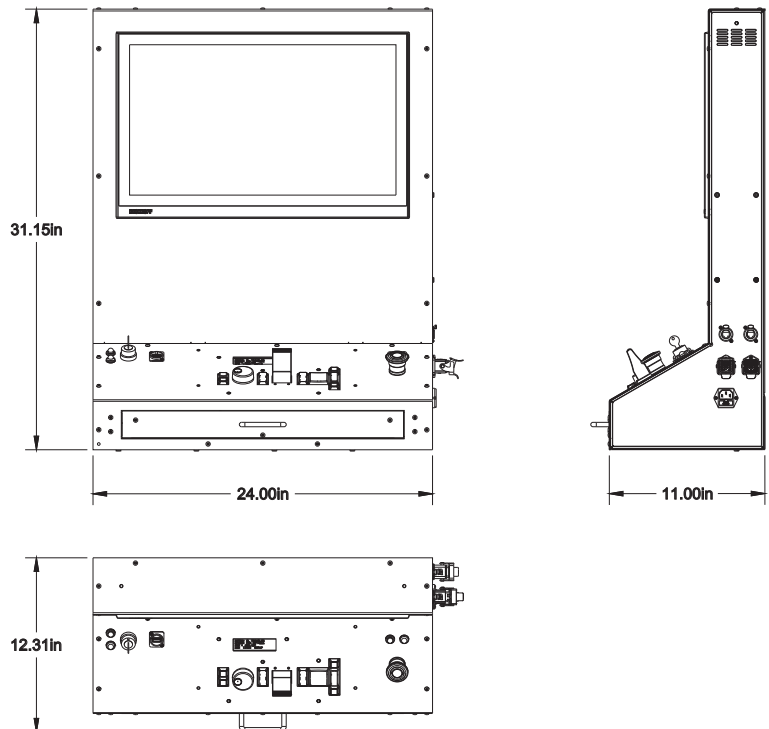
Training and Maintenance

On-site training and maintenance plans are available. Please contact us at sales@creativeconners.com or 401-289-2942 for details.

Warranty

Creative Conners products ship with a 1-year warranty against defects in materials or workmanship. Repair service is available after warranty at reasonable rates.

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