

# P3-PC System Controller

The P3-PC works as a PC-based P3 System Controller for smaller Martin LED display setups up to 20.000 pixels; as an off-line editor for the entire range of P3 System Controllers to preprogram shows anywhere on a PC; and as a tool for firmware uploads and addressing/testing of Martin LED Video products.

Off-Line Editor for all P3 System Controllers

Stand-Alone P3 System Controller software for small setups

Compatible with all Martin LED video products (panels and creative products)



## GALLERY



## FEATURES

- Drives up to 20.736 pixels
- On-screen grabber for video-capture
- Automatic Hippotizer interface when installed on Hippo V4 or newer
- Real time visualization of the video mapping
- Compatible with any standard PC running Windows
- Free download from Martin website
- Most user-friendly LED Video processor on the market
- Compatible with all Martin LED Video products (panels and creative products)
- All connected products report status and problems back to the controller for easy monitoring and maintenance
- Showfiles created on P3-PC can easily be loaded onto a USB stick and transferred to any other P3 System Controller

## TECHNICAL SPECIFICATIONS

Control/User Interface  
PC hardware dependent

Minimum System Requirements  
Computer running Windows XP, Vista 7, 8, 8.1 or 10 32/64 bit  
Intel Core processor  
1024 MB RAM (3 GB recommended)  
100 MB available hard disk space  
Display with 1280 x 1024 resolution or better  
USB 1.1 (or higher) port for Martin One-Key™  
Full administrator rights on PC  
Gigabit Ethernet port for P3 output

Video Processing  
Controller pixel processing capacity: 20 736 pixels\*  
Controller fixture capacity: 1000 fixtures\*  
Maximum workspace area: 2 073 600 pixels  
Maximum active capture area: 2 073 600 pixels  
System processing depth: 16 bits per color (48 bits per pixel)  
System latency, screen capture: 3 frames  
System latency, Hippotizer interface: 3 frames  
Latency between first and last panel: None  
Image rotation  
Scaling (global and mixed pixel pitch)  
Gamma curve selection and adjustment  
Real-time panel content remapping  
Real-time color temperature and color space control  
Real-time preview of video input and mapped canvas

DMX 512 / Art-Net real-time controllable parameters

Up to 4 universes of Art-Net input\*

Global intensity

RGB intensity

Color temperature

X-Y video image position

Video image rotation

Freeze

Blackout

Test pattern selection

Preset recall (incl. video input selection and scaling)

Kinesys K2 / Vector / Tait Navigator real-time controllable parameters

X-Y video image position

Video image rotation

\*See also P3 System Controller Capacity Info Note on Support & Downloads page

Screen Capture

Real-time capture of any section of screen of PC on which P3-PC is installed

Capturing frame rate configurable up to 50 Hz

No direct support for third-party capture cards

Hippotizer Interface

Direct capture of any Hippotizer viewport when P3-PC is installed on a Hippo V4 (or newer) media server

P3 Signal Protocol

Signal type: Gigabit Ethernet

Protocol: Proprietary Martin P3

Hot pluggable: Yes, electrically isolated at all connections

Cable type: Ethernet, shielded, CAT 5e or better

Cable length: Up to 100 m between any 2 devices, extendable with Ethernet switch

Max. number of panels per line: 50, extendable with Ethernet switch

Installation

Any standard PC running Windows Vista, XP, 7, 8, 8.1 or 10 (requires Martin One-Key™ USB stick with P3-PC License)

Connections

P3 signal output to fixtures via PC network port (Gigabit Ethernet)

Included Items

Martin One-Key™ with P3-PC™ license

Related Items

Martin P3-100™ System Controller: P/N 90721010

Martin P3-200™ System Controller: P/N 90721020

Martin P3-300™ System Controller: P/N 90721060

Ordering Information

Martin P3-PC™ License on One-Key™ USB stick: P/N 90721030

Martin P3-PC™ License only: P/N 39808028

