

PositionIt by Will-Burt is a maintenance-free pan and tilt positioner designed to provide years of trouble-free service. An IP68 rating delivers dust and water protection. The gear box is designed to minimize backlash and provides higher gear ratios for lower speeds along with mechanical braking. Long-life potentiometers are standard with PositionIt.



ESSENTIAL FEATURES:

- Replacement for MOOG QuickSet QPT Positioners
 - Direct connection to existing QuickSet control/power cable
- Pelco-D RS-485 Communications
- Strong lightweight construction
 - Die-cast aluminum casing
- Minimal backlash
 - Precision turned and milled components with ball races on major axes
- Built to last
 - Stainless steel fasteners
- Weatherproof
 - IP 68 rating
- Simple to install
- Universal mounting plate
 - Suitable for most common payloads
- Corrosion resistant finish
 - Black
- Regenerative braking
 - On motor shaft
- Flexible connection
 - Bottom or side
- Long operational life
 - 2 year warranty on Will-Burt PositionIt Positioners
 - 3 year mechanical and electrical warranty on Static Positioners
- We also offer a complete range of positioners for fixed applications and camera enclosures.

POSITIONIT CONTROLLERS

The latest positioner controller from Will-Burt is loaded with new features. You will always know the status of the positioner with real-time positional, speed, and status feedback. Control multiple positioners and third-party equipment with a single controller. This controller is optimized for positioners with stow and deploy buttons located on the front panel.



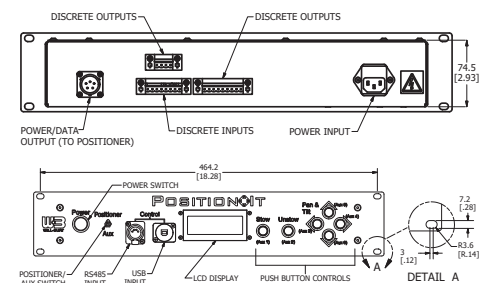
Rack Mount Controller

The new Positioner Controller from Will-Burt will simplify deployment and operation of communications and video equipment.

ESSENTIAL FEATURES:

19-inch (2U) Rack Mount Controller for controlling Will-Burt mobile and static positioners

- LCD Home Screen displays real-time positioner information
- LCD Selector Menu provides additional control functionality
- Control third-party equipment through (7) digital discrete outputs with USB and RS-485 inputs
- Control multiple positioners in single system through address selection
- Positioner control with front panel directional push buttons and configurable 'Stow' and 'Unstow' presets
- Pelco-D over RS-485 half-duplex output to positioner
- 100-240VAC input voltage with 24VDC output voltage to positioner
- 2-year warranty



Handheld Controller

The Pelco-D compatible controller with LCD screen has all of the features necessary to optimize the performance of the PositionIt positioner. Precision joystick controller flawlessly controls the pan and tilt functions. Includes LCD screen, keyboard and programmable presets that simplify operation. The positioner handheld controller can also be optionally used in conjunction with the pan and tilt positioner controller.

SPECIFICATIONS

PositionIt	PI-150	PI-75	PI-35
Payload Capacity*	150 ft lb / 202 Nm	75 ft lb / 101 Nm	35 ft lb / 47 Nm
Height	11.32 in. / 287.7 mm	11.32 in. / 287.7 mm	9.7 in. / 246 mm
Width	12.4 in. / 314 mm	9.21 in. / 234 mm	10.8 in. / 273 mm
Depth	6.8 in. / 171 mm	6.8 in. / 171 mm	5.7 in. / 144 mm
Weight	37 lb / 16.8 kg	35 lb / 16 kg	19.5 lb / 8.9 kg
Operating Temperature	-20°C to 50°C / -4°F to 122°F		
IP Rating	IP68 - Waterproof (immersion) and Dustproof		
Pan Axis	400° (± 200°)	400° (± 200°)	400° (± 200°)
Pan Speed (proportional)	0.02 to 6.5° / second	0.02 to 6.5° / second	1° to 12° / second
Tilt Axis	180° (± 90°)	180° (± 90°)	180° (± 90°)
Tilt Speed (proportional)	0.02 to 5.5° / second	0.02 to 5.5° / second	1° to 12° / second
Backlash	≤ 0.15°	≤ 0.15°	≤ 0.15°
Repeatability	≤ 0.3°	≤ 0.3°	≤ 0.3°
Maximum Continuous Power	44 W	44 W	44 W
Maximum Running Current	1.85 amps	1.85 amps	1.85 amps
Input Voltage	24 VDC - Converters available for 12 VDC and AC power sources		

Rack Mount Controller with Real Time Positioner Feedback	
Communication	Pelco-D over RS-485 half-duplex at 2400 bps
Operating Temperature	11.32 in. / 287.7 mm
Weight	12.4 in. / 314 mm
Dimensions (W x H x D)	6.8 in. / 171 mm
Power	37 lb / 16.8 kg

Handheld Controller	
Input Voltage	12V DC
Power	0.5 watts
Communication Interface	RS485
Communication Frequency	2400, 4800, 9600, 19200 bps
Operating Temperature	32°F to 122°F / 0°C to 50°C
Dimensions (L x W x H)	6.6" x 5.4" x 4.2" / 168 mm x 136 mm x 105 mm
Weight	.89 lb / .4 kg

The Will-Burt Company, headquartered in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every mobile payload elevation and integration solution for defense, government, first responders, cellular and mobile, broadcast, energy production and other markets. Will-Burt also offers contract manufacturing, metal fabrication, powder-coating, and rapid prototyping services. Will-Burt is an international company with offices and manufacturing in the USA, England, and Germany along with offices in Singapore and a joint venture in Turkey. All Will-Burt Company manufacturing locations are backed by a certified ISO 9001:2015 Quality Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.



WILL-BURT NORTH AMERICA
WORLD HEADQUARTERS
 401 Collins Blvd., Orrville, OH USA 44667
 Telephone: +1 330 682 7015
 Mast Customer Service: +1 330 684 4000
 Fax: +1 330 684 1190
 Email: info@willburt.com

WILL-BURT GERMANY
 Fischergasse 25
 D-91344 Waischenfeld
 Germany
 Telephone: +49 9202 180
 Fax: +49 9202 1811
 Email: info@willburt.com

WILL-BURT UNITED KINGDOM
 Unit 5b, Station Approach
 Four Marks, Alton Hampshire,
 GU34 5HN, United Kingdom
 Telephone: +44 (0) 1403 265532
 Fax: +44 (0) 1403 259072
 Email: info@willburt.com

WILL-BURT ASIA
SINGAPORE SALES OFFICE
 1 Fullerton Road, #02-01 One Fullerton,
 Singapore 049213
 Telephone: +65 6832 5689
 Fax: +65 6722 0664
 Email: info@willburt.com

INTEGRATED TOWER SYSTEMS
A WILL-BURT COMPANY
 2703 Dawson Road, Tulsa, OK 74110
 Telephone: +1 800 850 8535
 Fax: +1 918 749 8537
 Email: programs@tstowers.com

WILL-BURT TURKEY
 Ahi Evran OSB Mahallesi,
 Nahcivan Caddesi, No: 8/2,
 Sincan, Ankara 06935
 Email: info@willburt.com