



Introducing Wireless Platform-6 (WP6). Industry's new best-in-class Signal & Lighting Controller for intelligent traffic and illumination systems by JSF Technologies.

WP6

Experience the future of intelligent traffic and illumination systems with Wireless Platform-6 (WP6) – where innovation meets reliability for unparalleled performance.

JSF Technologies' WP6 stands as a comprehensive Signal & Lighting Controller tailored for an extensive range of AB Series product line applications.

Key features of the WP6 include an Advanced On-Board User Interface (OBUI), integrated Energy Management System (EMS), and Built-in Wireless Radio Communication boasting enhanced range and reliability.

- **On-Board User Interface (OBUI):** Equipped with a user-friendly menu and four intuitive action buttons for effortless operation.
- **USB-C Connectivity:** Seamlessly connect to the JSFT Configuration App for streamlined system configuration and management.
- **In-Field Firmware Updates:** Stay up-to-date with the latest enhancements through convenient firmware updates via the USB-C connection.
- **Extended Wireless Range:** Experience unparalleled wireless communication reliability with a range of over 2,000 meters.
- **Integration Capabilities:** Benefit from five GPIO ports for seamless integration with third-party devices, enhancing system functionality.
- **Dedicated AUX Input:** Facilitate RS232 interface integration with a dedicated AUX input for enhanced connectivity and compatibility.



WP6 Controller

WP6 CONFIGURATION METHODS

On-Board User Interface (OBUI)	Unit can be configured using the OLED Screen and 4 action buttons.
USB-C Connection	Configuration via USB-C connection to JSFT configuration app.
In Field Updated	In field firmware updates via USB-C connection.

WP6 CONFIGURATION SETTINGS

LED Outputs	• Accommodates up to eight (8) LED modules. • Accommodates up to three (3) LED combinations with independent intensity and flash pattern selections. • RRFBs (Rectangular Rapid Flashing Beacons) • Round Beacons (200mm & 300mm) • LED Embedded Signs • LED Luminaires
Auxiliary	• Five (5) GPIO (2 x Low/3 x High) for integration with 3rd party devices. • One external photocell. • Dedicated AUX input for RS232 interface
Flash Patterns	• RRFB1 (WW+S) • RRFB2 (WSDOT) • MUTCD • MUTCD Wig-Wag (WW) • JSF Strobe • JSF Strobe Wig-Wag (WW) • Steady-On • Custom Flash Patterns Available
Flash Duration	• 1 sec. to 99 Days
LED Intensity	• MUTCD Compliant: 10% to 100% • ITE Compliant: VTCSH-LED Circular Signal Supplement Compliance.
LED Dimming	• 10% to 100% (User-Adjustable for Day-time & Nighttime) • Automatic Light Control (ALC) – On/Off • Ambient Auto Adjustment with Min/Max Intensity Thresholds.

WP6 SYSTEM LOGGING & REPORTING

System Data Collection and Storage (90-days)	• System Activations • System Activity • Configuration Changes • System Health & Diagnostics
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WP6 APP CONFIGURATION

Seamlessly connect to the JSFT WP6 Configuration App for streamlined configuration and system management.

WIRELESS SYSTEM COMMUNICATION

WP6 Wireless Radio (LoRa)	• 128b AES Encrypted Wireless Radio (915 MHz) • Wireless Range of 2,000+ meters (6,560 ft) or further with clear line of sight • Rapid Activation and RF Communication within 50-milliseconds. • 64 independent network address settings • System-to-system Flash Synchronization • Compatible with all AB Series systems
WP5 Legacy Compatible Wireless Radio (FSK)	• Proprietary Wireless Radio Protocol (915 MHz) • Range: 400+ meters (1,310 ft) or further with clear line of sight • 16 unique network address settings • Compatible with legacy AB Series systems

ENVIRONMENTAL

Operating Temperature	-40°F to +176°F (-40°C to +80°C)
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SYSTEM POWER

Input Voltage	12-18 VDC
Output Voltage	11-16 VDC

SYSTEM OPTIONS

Solar Collection	MPPT - Maximum Power Point Tracking ensures optimal power collection and delivery in all environments.
Solar Charging	Charge current = 6 Amps.

WARRANTY

Warranty Period	5-Year Limited Warranty
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