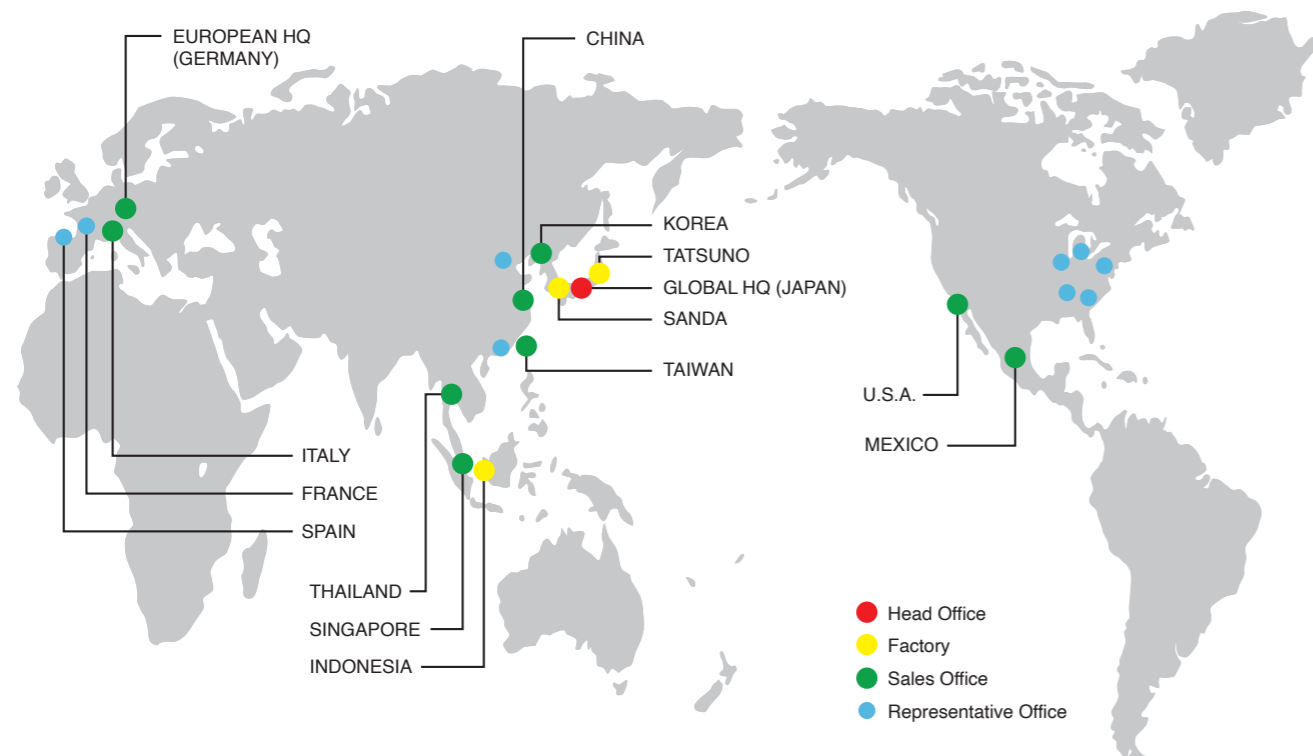


## Specifications

Model	Wireless Data Acquisition System WD PRO Receiver WDR-LE-Z2-PRO	Wireless Data Acquisition System WD PRO Receiver <Lite version> WDR-LE-Z2-PRO-L
Power Supply Input	24V DC / USB / PoE	
Mounting Method	Horizontal / Wall / Ceiling	
Network Communication Method	10BASE-T-twisted pair ethernet / 100BASE-TX- CAT5 cable / 1000BASE-T- also CAT5	
Number of Transmitters	Maximum 30 units	
Communication Range	Line of sight, Approximately 30m * 1	
IP Address Setting	Manual setup / DHCP auto configuration	
Operating Ambient Temperature	-10°C~+50°C (AC Adaptor accessory : 0°C~+40°C)	
Protection Rating	IP20	
Wireless Connection Diagnostics	Real-time diagnosis / Long-period diagnosis (1~72 hours)	
Transmitter Wireless Settings	Built-in setup browser / WDS-WIN01 software	Use WDS-WIN01
Host System Communication	<ul style="list-style-type: none"> <li>• CSV file *Use WDS-WIN01</li> <li>• SOCKET communication (WDR protocol)</li> <li>• SOCKET communication (WDR-PRO protocol)</li> <li>• Database linkage (MySQL)</li> <li>• Modbus/TCP communication</li> </ul>	<ul style="list-style-type: none"> <li>• CSV file *Use WDS-WIN01</li> <li>• SOCKET communication (WDR protocol)</li> </ul>
Andon Display	○	×

\* 1 Due to the characteristics of radio waves, this value is for reference only.

## PATLITE Global Network



### PATLITE Corporation

4-1-3, Kyutaromachi, Chuo-ku, Osaka 541-0056 Japan  
International Sales Division  
TEL:+81-6-7711-8953 FAX:+81-6-7711-8961 E-mail: overseas@patlite.co.jp

### PATLITE (U.S.A.) Corporation

20130 S. Western Ave. Torrance, CA 90501, U.S.A.  
TEL:+1-310-328-3222 FAX:+1-310-328-2676 E-mail: sales@patlite.com

### PATLITE (SINGAPORE) PTE LTD

No.2 Leng Kee Road, #05-01 Thye Hong Centre, Singapore 159086  
TEL:+65-6226-1111 FAX:+65-6324-1411 E-mail: sales@patlite.com.sg

### PATLITE (CHINA) Corporation

Room 1102-1103, No.55, Lane 777, Guangzhong Road (West), Jing an District, Shanghai, China  
TEL:+86-21-6630-8969 FAX:+86-21-6630-8938 E-mail: sales@patlite.cn

### PATLITE Europe GmbH

Am Soeldhermoos 8, D-85399 Hallbergmoos, Germany  
TEL:+49-811-9981-9770-0 FAX:+49-811-9981-9770-90 E-mail: info@patlite.eu  
WEEE Reg. Nr. 67267160

### PATLITE KOREA CO., LTD.

A-2603, Daesung D-POLIS, 606, Seobusaet-gil, Geumcheon-gu, Seoul, 08504, Korea  
TEL:+82-2-523-6636 FAX:+82-2-861-9919 E-mail: sales@patlite.co.kr

### PATLITE TAIWAN CO., LTD.

2F-1, No.215, Sec. 2, Chengde Rd., Datong Dist., Taipei City 10364, Taiwan (R.O.C.)  
TEL:+886-2-2555-1611 FAX:+886-2-2555-1621 E-mail: info@patlite.tw

### PATLITE (THAILAND) CO., LTD.

Olympia Thai Tower, 15th Floor 444 Ratchadapisek Road Samsenok, Huay Kwang Bangkok 10310, Thailand  
TEL:+66-2-541-5431 FAX:+66-2-541-5429 E-mail: sales\_150716@patlite.co.th

### PATLITE MEXICO S.A. de C.V.

Plaza de La Paz No. 102, Int. 712 Guanajuato Puerto Interior, Silao, Gto, C.P.36275, Mexico  
TEL:+52-472-748-9124 E-mail: ventas@patlite.com.mx

### CAUTION

To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Specifications are subject to change without notice.

O-BJ07A EN 2102

# PATLITE®

Wireless Data Acquisition System  
WD-Z2 Series / WD PRO Series

## More Accessible Ways to Obtain Equipment Statuses

Monitor in real-time and connect with database



• Collaboration Functions Including Modbus/TCP and MySQL Database

• Real-time Equipment Status Collection

• Real-time Status Display on Andon Screen

• Cloud Service Support for MindSphere

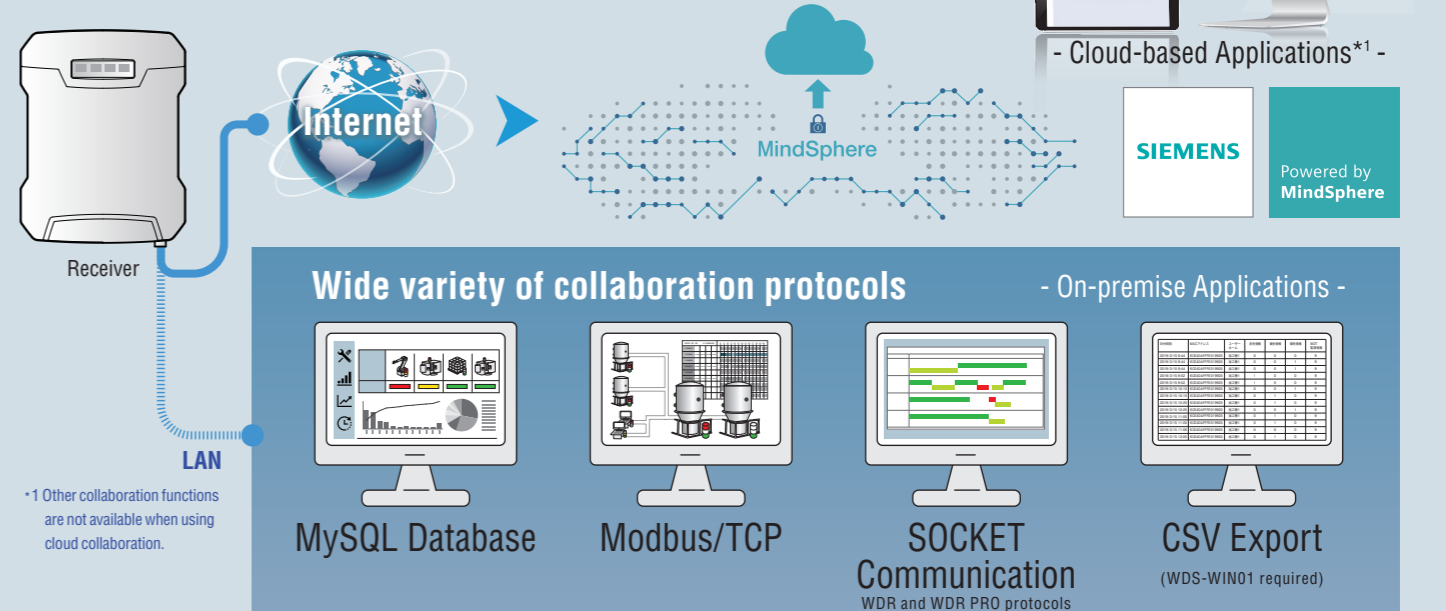
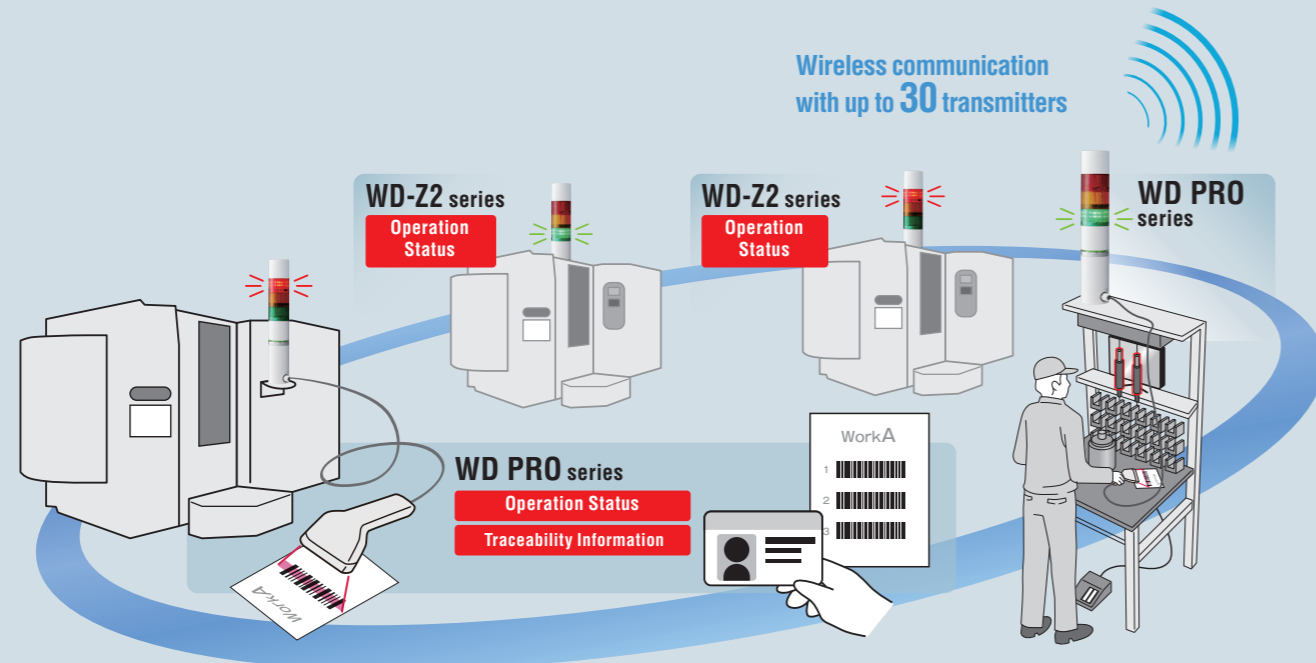
• Quality of Wireless Connection Diagnostics

• PoE Capability

Powered by  
MindSphere

# MAKE SMARTER, QUICKER DECISIONS WITH REAL-TIME DATA

## Run multiple applications simultaneously



\* SOCKET communication (WDR protocol) and CSV export cannot be performed simultaneously.



WD PRO series

## PoE Capability

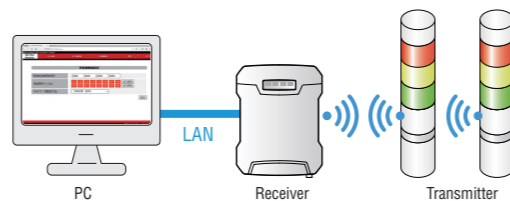
The WD PRO Receiver can access both power and data through a single Ethernet cable so that wiring space and costs can be minimized.



## Device Setup Browser

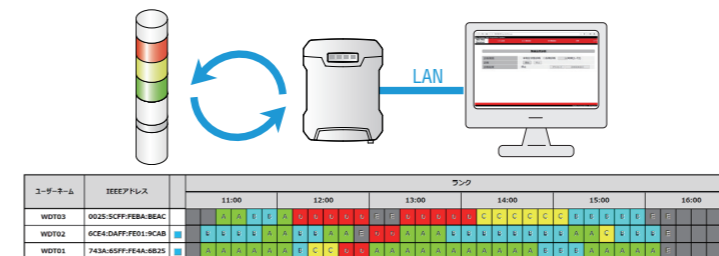
Connect the WD PRO Receiver to a PC via LAN cable to access the setup browser where various settings of the receiver and transmitter can be configured.

\* Not compatible with Lite series or when connected via USB.



## Wireless Connectivity Diagnostics

Displays the quality of wireless connection between the receiver and transmitter(s) using a 5-level evaluation system. Up to 72 hours of diagnosis data can be recorded so users can determine when and where the installation environment needs to be modified.

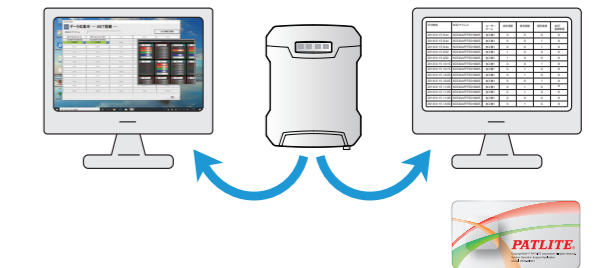


\* Diagnostics occur every 10 minutes during long-period sessions.

\* During diagnostics, a large amount of data is processed which may affect the data acquisition function.

## Andon Display

Real-time light and buzzer statuses of all connected signal towers can be displayed onto your computer screen. \*1 This can be done simultaneously with the CSV data collection. \*2



\* 1 This function is not available for Lite models (WDR-LE-Z2-PRO-L).

\* 2 WDS-WIN01 license purchase required for CSV file export.

### WD PRO Receivers



Compatible in  
**40**  
countries  
(as of April 2020)

Connect up to 30 transmitters

LAN or USB connection

WDR-LE-Z2-PRO

WDR-LE-Z2-PRO-L  
<Lite version>

### Compatible Transmitters

Wireless Data Acquisition System

#### WD PRO series



WDT-6LR-Z2-PRO

WD PRO Transmitter

Compatible with  
WD PRO series  
Base Unit

Maximum distance of  
wireless transmission:

30m \*



WDB-D80S-PRO

WD PRO Contact Input - Serial  
Communication Base Unit

RS232C

8  
contact  
inputs

WDT-6LR-Z2-PRO

WDB-D80S-PRO

### Compatible Transmitters

Wireless Data Acquisition System

#### WD-Z2 series



WDT-4LR-Z2

WD-Z2 Transmitter Unit

Compatible with  
LR4 series  
Signal Towers

Maximum distance of  
wireless transmission:

30m \*



WDT-5LR-Z2

WD-Z2 Transmitter Unit

Compatible with  
LR5 series  
Signal Towers

Maximum distance of  
wireless transmission:

30m \*



WDT-6LR-Z2

WD-Z2 Transmitter Unit

Compatible with  
LR6 series  
Signal Towers

Maximum distance of  
wireless transmission:

30m \*



WDT-6LR-Z2

### WD System Setup Software



WD System Setup Software

WDS-WIN01

Ver. 1.04 or later

\* Some contents of the software requires a paid license.

\* Due to the characteristics of radio waves, this value is for reference only.