

INNOVATIVE MODEL

Signal Tower LA6 Series

The first PC programmable Signal Tower with unlimited possibilities

Signal Tower

- DC24V/ 5 Tier Type
- AC 100-240V/ 5 Tier Type

LA6



- 11 Sounds
- Open Collector
- LED 21 Color

- IP65
- IP54 (Buzzer)
- 85 dB at 1 m

φ60mm



PoE Capable Tiered Signal Tower

- Direct Mount Type
- LA6-5DTNWB-POE

- Stationary Type w/"Clear" Switch
- LA6-5DSNWB-POE



- Easy WEB
- PoE
- Mirroring
- Modbus/TCP

- Socket
- LAN
- 85 dB at 1 m
- 11 sounds

LED 21 Color

IP54 (Direct Mount)

φ60mm

HTTP



What's LA6?

A smart signal tower with an Embedded CPU that can be programmed to display process information such as cycle time, level control, etc.



Setup is easy with free downloadable software.

Display Cycletime
Time is known

Level Meter Display
Level is seen

Status Display
Maintenance is predicted

PoE Supported

WD-Z2 Series

Just attach it to a Signal Tower! Send information wirelessly!



Signal Tower LR6 Transmitter
WDT-6LR-Z2

Corresponding Model
LR6 Series

Transmission Distance
20m

Signal Tower LR5 Transmitter
WDT-5LR-Z2

Corresponding Model
LR5 Series

Transmission Distance
20m

Stationary Receiver
WDR-LE-Z2



- Ethernet
- USB Bus Power
- Multiple Units
- Recommended Link
20m

- *1 There are some restrictions on Signal Tower compatibility.
- *2 The transmission distance is an estimate and dependent upon the environment, installed location and number of communication routes.
- *3 With USB wiring, multiple receivers can not be operated simultaneously.



Signal Tower LME Transmitter
WDT-6M-Z2

Corresponding Model
LME Series

Transmission Distance
20m

Signal Tower LE Transmitter
WDT-5E-Z2

Corresponding Model
LE Series

Transmission Distance
20m

Hardware System Setting Software
WDS-WIN01



Manual Control Signal Tower
HSST-3M2

3 Buttons

φ50mm



NHL Series Special Functional Features

Monitoring Functions

PING Monitoring

A maximum of 24 nodes is possible when monitoring critical status information. When an abnormality occurrence in the monitored equipment network isn't obtained, the detected abnormality warns the administrator promptly with light and sound.

TRAP Monitoring

With the TRAP Monitoring function, the NHL alerts administrators to any equipment abnormalities within the IP network that uses SNMP.

- It can distinguish the variable-bindings.
- Registration of 16 groups (4 nodes per group) is possible.

Application Monitoring

Monitor important background applications and signal the administrator upon any detected abnormalities.

Self-diagnosis Function

For peace of mind, manually test operation functions with the conveniently located test button.

Communication Commands

RSH

Controllable with RSH
The NHL is easily controllable by Remote Shell (RSH) commands, which is a flexible protocol.

NHL-FB / NH-FV Series
Event Occurrence: Command Execution, (Red/Amber/Green Lighting, Buzzer sounds)
RSH: rsh 192.168.10.1 -i root alert 111001

NH-FV Series
Event Occurrence: Command Execution, (Ch10 Message Playback)
RSH: rsh 192.168.10.1 -i patlite sound 10

SOCKET Transmission

PHN Command Compatibility
Controlled with 2 bit commands.
Some functions are limited.
Event Occurrence: Command Execution, (Red/Amber/Green lighting, Buzzer sounds)
PHN Command: 57H, 17H

PNS Command Compatibility
The PNS command is a unique command from PATLITE.
Control all pattern information by using the PNS commands.

NHL-FB / NH-FV Series
Event Occurrence: Command Execution, (Red/Amber/Green Lighting, Buzzer sounds)
PNS Command: 58H, 58H, 53H, 00H, 00H, 06H, 01H, 01H, 01H, 00H, 00H, 01H

NH-FV Series
Event Occurrence: Command Execution, (Ch10 Message Playback)
PNS Command: 58H, 58H, 56H, 00H, 00H, 04H, 01H, 00H, 00H, 10H

LA6-POE Features

Modbus/TCP Communication

It can be controlled by the Modbus/TCP commands, which is a general purpose protocol.

Event Occurrence: Command Execution (Smart mode group No.15 Playback)
00H, 00H, 00H, 00H, 00H, 06H, 01H, 06H, 00H, 06H, 01H, 0FH

Mirroring Feature

A maximum of eight locations can indicate status information on a Signal Tower.

PoE Supported

- PoE(Power over Ethernet)
This unit can be easily powered using the standard 48V PoE or by supplying 24VDC power directly to the terminal.

LAN

Functional features of the Interface Converter

USB Bus Powered

Power and operate it through a USB connection.

Condition Setting Functions

Set it up with a digital input to detect a condition.

Duration, No. of Times, AND

PATLITE Corporation

4-1-3, Kyuramachi, 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 Thyee 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), Zhabei District, Shanghai, China, 200072
TEL: +86-21-6630-8969 FAX: +86-21-6630-8938 E-mail: sales@patlite.cn

PATLITE Europe GmbH

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

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.kr

PATLITE TAIWAN CO., LTD.

7F, No. 91, Huayin St, Datong District Taipei, Taiwan R.O.C
TEL: +886-2-2555-1611 FAX: +886-2-2555-1621 E-mail: info@patlite.tw

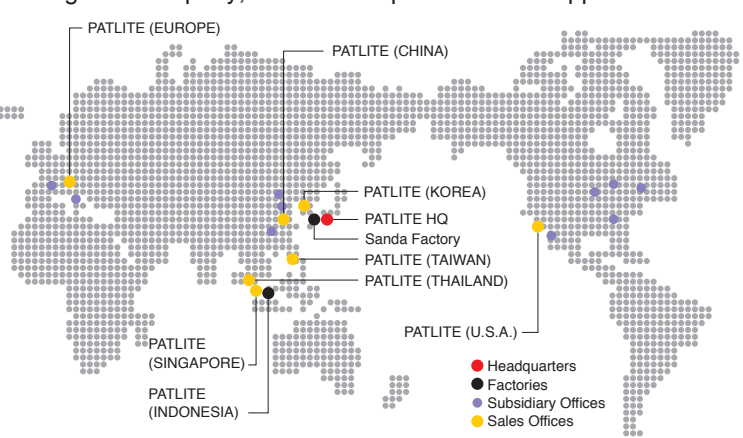
PATLITE (THAILAND) CO., LTD.

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@patlite.co.th

<http://www.patlite.com>

- PATLITE, the PATLITE logo are either registered trademarks or trademarks of PATLITE Corporation in JAPAN and/or other countries.
- MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson Licensing.
- The names of other companies and products are trademarks or registered trademarks of their respective companies.

As a global company, we offer our products and support worldwide.



PATLITE ECO PROJECT
For the benefit of mankind and the earth, Patlite is committed to developing environmentally friendly products.

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.

0-AH04A EN 1804 A

PATLITE
New Frontiers in Safety, Security and Comfort.



NETWORK PRODUCT CATALOG

Signal Tower NH Series

Network Monitoring
Signal Tower with MP3

NHL-3FV2
NHP-3FV2

- Message/melody supported
- Contact input/output loads
- Actively acquire the equipment status



- Easy WEB
- PING
- MAIL

- SNMP v1/v2c
- RSH
- SLMP

- Socket
- LAN
- MP3

- 88 dB at 1 m
- 10 Sounds
- 60 Messages

- 4 Inputs
- 1 Output
- Line out

- φ60mm
- φ40mm
- HTTP



Lights Off



Wall-mount Bracket
NH-WST2



HTTP protocol support

Network Monitoring
Signal Tower

NHL-3FB2
NHP-3FB2

- A design that blends comfortably in an office
- LED luminescence with 2 different flashing patterns.
- Four Buzzer Sounds



- Easy WEB
- PING
- MAIL

- SNMP v1/v2c
- RSH
- SLMP

- Socket
- LAN
- MP3

- 4 Sounds
- φ60mm
- φ40mm

- HTTP



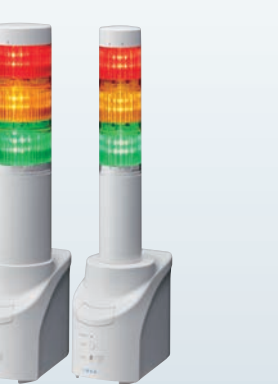
Lights Off



Wall-mount Bracket
NH-WST



Partition-mount Bracket
NH-PST



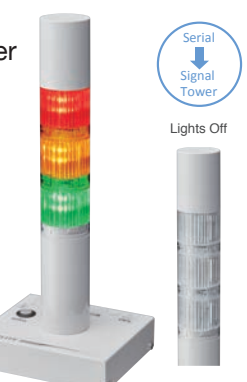
Interface Converter

Signal Tower Interface Converter
PHE-3FB3



- USB Bus Power
- RS232C
- 80 dB at 1 m

- 4 Sounds
- φ40mm



Lights Off

Serial Signal Tower

Interface Converter
NBM-D88NN



- Easy WEB
- PING
- MAIL
- SNMP v1/v2c
- HTTP

- RSH
- Socket
- Ethernet
- 8 Inputs
- 8 Outputs
- DC24V Output



LAN Relay

USB Controlled Signal Tower
LR6-USB



- USB Bus Power
- 80 dB at 1 m
- 5 sounds

- IP65
- φ60mm
- Off White
- Black

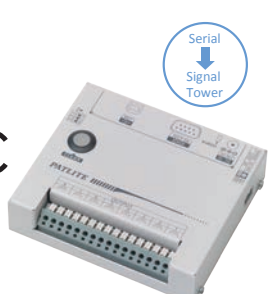


Interface Converter
PHC-D08N



- USB Bus Power
- RS232C
- 8 Outputs

- DC24V Output



Option

Globally Supported AC Adaptor
ADP-001

Model Series

NH Series, NBM-D88, PHE-3FB, PHC-D08, WDR

Compatible Countries

Japan, Europe, U.S.A, China, South Korea, Taiwan, Thailand, Indonesia, Canada, Philippines, Vietnam



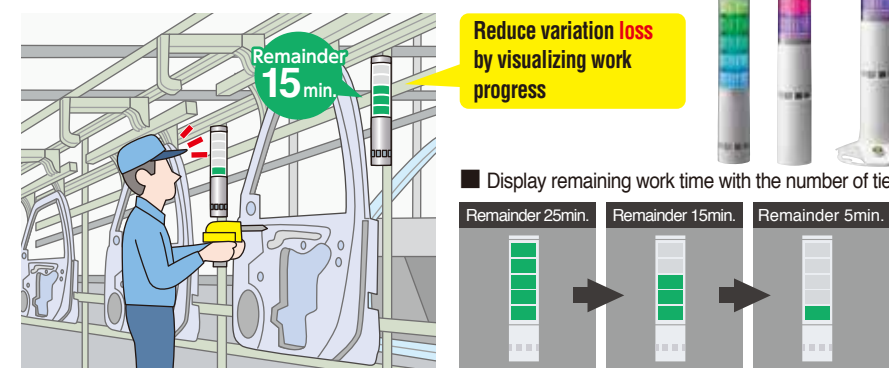
www.patlite.com

IoT Solutions from the Factory to the Office

IoT
SOLUTION

Visualize Work Progress

Work progress can easily be assessed with the LA6 series' programmable internal timer function to display progress.



Manufacturing Site



Production Line



Surveillance Camera A



Surveillance Camera B



Factory Operations



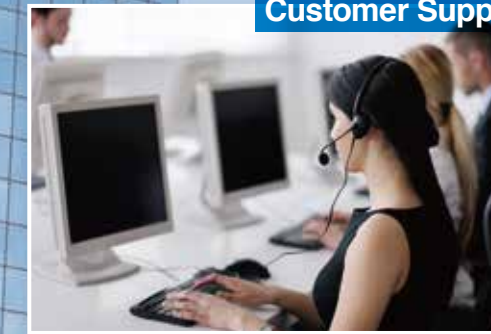
Parts Warehouse



Factory Office



Customer Support



Server Room



Camera Monitoring Room

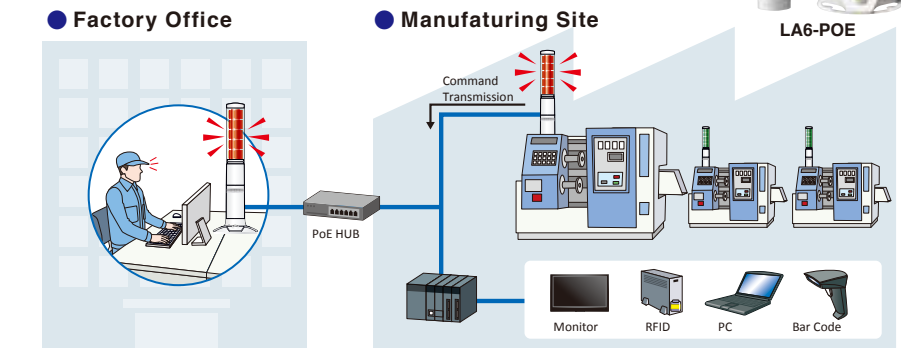


Printing Room



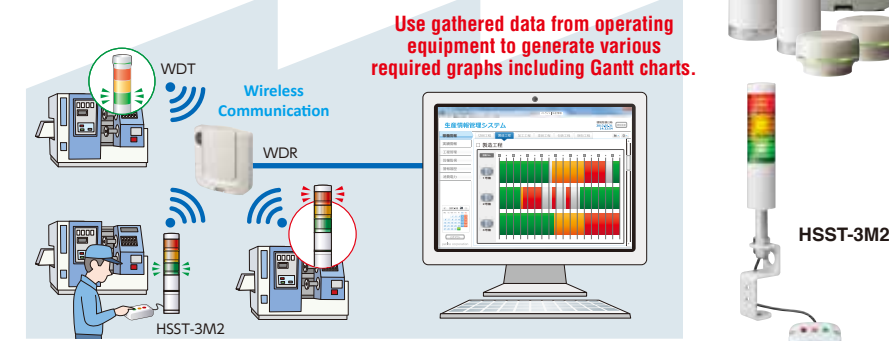
Communicate Across Multiple Locations

The LA6-POE is capable of mirroring other LA6-POE devices over an Ethernet connection. By utilizing this function, equipment information is visually communicated in other remote locations.



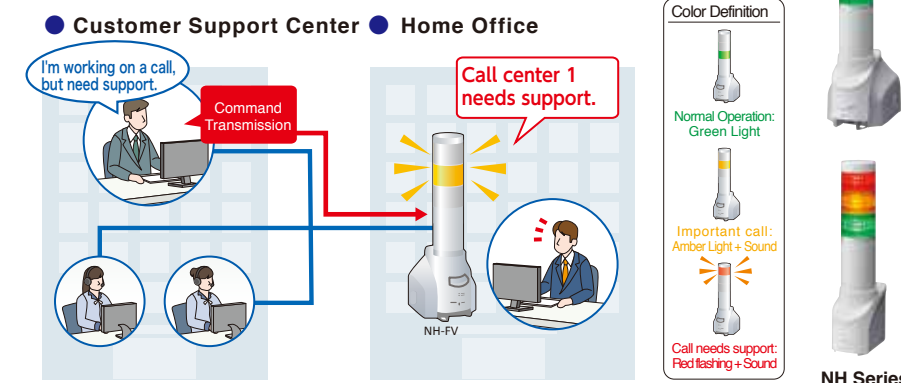
Wirelessly Acquire Equipment Data

Attach our transmitters to existing PATLITE Signal Towers to wirelessly collect equipment data. The software can organize the collected data and improve productivity and efficiency, reduce bottlenecks, etc.



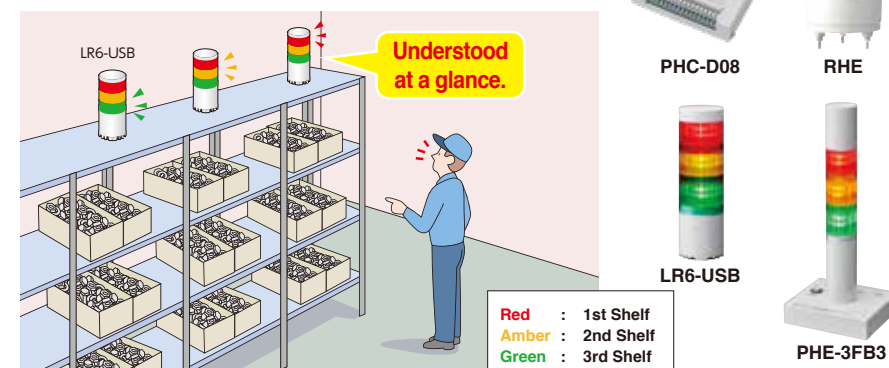
Notify Remote Personnel in Real-time

Create a smoother, more efficient customer service experience by notifying remote administrators of status in the call center.



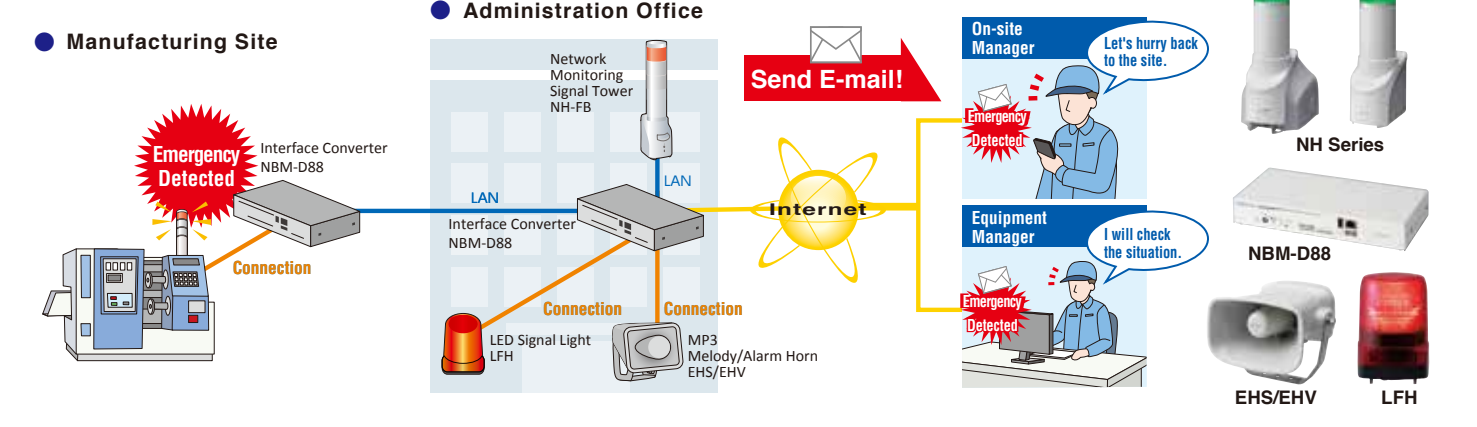
Optimize Product Picking

Location of products to be picked can be seen at a glance by connecting various devices to a picking system.



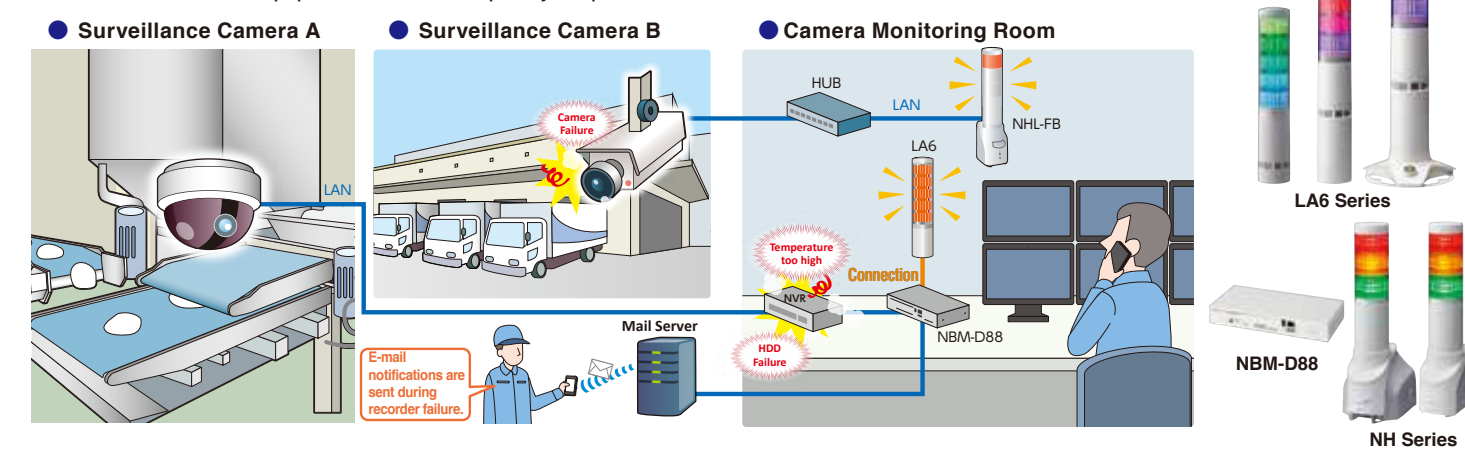
Network Existing Equipment

Improve response time by converting your existing equipment to network enabled devices capable of notifying remote personnel via e-mail.



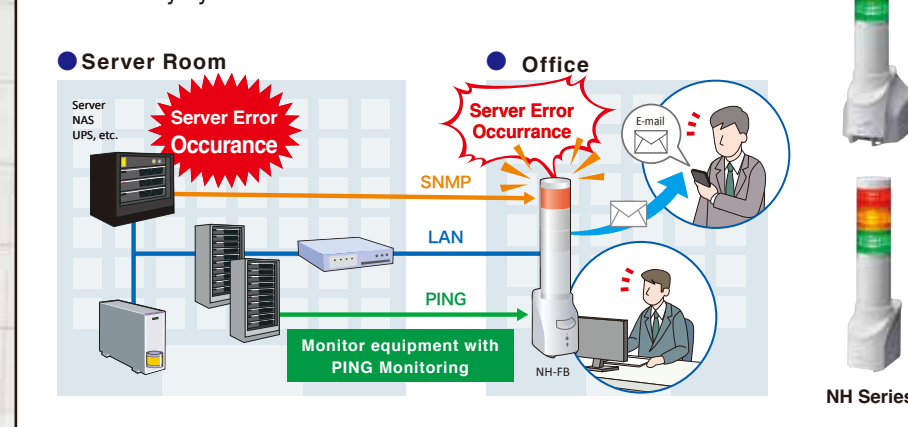
Camera System Fault Detection

Monitor surveillance equipment in order to quickly respond to failures and abnormalities.



Remotely monitor server errors

Be notified immediately of server errors or failures with light, alarm or remotely by e-mail.



Notify Personnel of Equipment Status

Improve company efficiency by informing personnel of printing completion, out of paper or ink, breakdowns, etc.

