PATLITE

Network Monitor Signal Tower
NH-FB Series Installation Manual

Thank you very much for purchasing our PATLITE products. Read this instruction manual carefully prior to use. Keep this instruction manual in a safe place.

- This product requires installation, wiring and other setup work. Always have installation work performed by a professional contractor.
- Prior to installation, read this manual thoroughly before using this product to ensure correct use.
- Reread this manual when maintenance, inspection, repair or other work is required. If there are any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.
- For more details on installation, settings or wiring, download the **Complete Instruction Manual from our homepage**.

Homepage address	https://www.patlite.com

Always check the URL above, as it also includes information required for products and notifications about version upgrades.

■ To the Contractor
- Read this manual carefully prior to installation.
- If there are any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.

-Safety Precautions-

To prevent from personal injury, injury to others or property damage, the following precautions must be observed.

◆ The following symbols classifies the precautions into the following two categories depending on the degree of injury or damage caused by the failure to follow them:

⚠ Warning Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury.

- Request the installation and wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire, electric shock, falling, or malfunction.

⚠ Caution Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage.

- Use a soft cloth dampened with water to clean the product. (Do not use thinner, benzine, gasoline or oil.)

◆ The following symbols used in this manual are explained below:

⃠	This symbol indicates "Prohibited", which should not be carried out by all means.
!	This symbol indicates "Enforced", which should be observed and carried out by all means.

1 Read this First

⚠ Warning

- Do not modify or disassemble this product. Failure to follow these instructions could result in fire or electric shock.
- Do not use this product when there is condensation. Failure to follow these instructions could result in fire or electric shock.
- Do not leave or use this product while the LED unit are detached or broken. Doing so may result in electric shock.
- Do not touch the electric socket with wet hands.It may result in electric shock.
- Do not allow the voltage to exceed the specified voltage tolerance. Exceeding the voltage ratings beyond the rated voltage will cause internal circuitry damage. Moreover, possible fire may also occur.
- Do not disconnect and re-insert the DC plug while the AC adaptor is plugged in. Possible electric shock and damage may occur.

- Always use a power supply within the operating voltage range. Failure to follow this instruction could result in fire or product failure.
- In the unlikely event that there is an abnormal situation such as smoke or odors emitting from the product, immediately cut the power supplied to the product. Continued use of the product in this condition could result in fire or electric shock.
- When plugging into the power receptacle, be sure to check there is no dust accumulation on the plug, and insert into the power receptacle completely. By allowing dust to adhere, it can be the result of fire or failure from short-circuiting.
- Since dust can accumulate After a long time, and with moisture, can cause the dust to become conductive, in order to prevent the phenomenon of ignition from dust accumulation, it is best to periodically wipe the transformer and socket terminal with a damp cloth. By allowing dust to adhere to the power receptical, it can be the result of fire or failure from short-circuiting.
- When an unusual odor, sound or smoke comes out of the product, immediately disconnect the power, then contact your nearest PATLITE Sales Representative.
- In order to prevent serious effects on human life and property etc. caused by malfunction of this product, ensure sufficient safety such as using in combination with other equipment.

⚠ Caution

- Do not expose it to high temperatures, such as near a fire and do not use it in humid places.Moreover, do not use this machine in locations where corrosive or combustible gas is present.
- If foreign substances, such as water, medicine; or metals, such as copper, low carbon steel wire, fall into this product, please do not use it. Possible cause of failure may occur.
- Do not bend the power supply cables or signal wires recklessly. Failure to comply will result in possible malfunction due to disconnection.
- Do not install or run wiring near, or where equipment (such as solenoids, etc.) generate strong electric or magnetic fields, or near any power lines.Failure to comply may result in malfunction due to inductive noise.
- Do not use excessive force to set up the switches. Possible damage or malfunction may occur.
- Do not adjust switches with a sharp object.Possible damage to switches may cause it to be impossible to operate or cause partial movement of the contacts.

- Please place this product on a level surface, such as a desk etc.
- When installing in high places, such as a top shelf, fix the Main Unit so it cannot move or fall.

2 Model Number Configuration

NH □ - □FB2□ - □□□□□

■ LED Unit Color (From top to bottom)

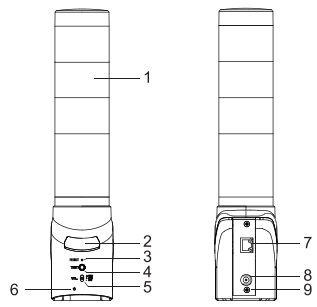
■ Signal Tower Type
P : LR4 (Ø40)
L : LR6 (Ø60)

■ Signal Tower Tiers
Tiers (1-5)

■ AC Adaptor
None : AC Adaptor included
W : AC adaptor included Replacement plug included
N : AC Adaptor not included

3 Part Names

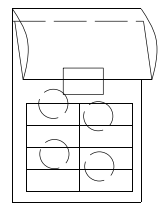
■ Main unit



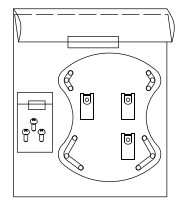
Number	Names
1	LED unit
2	"CLEAR" Switch
3	"RESET" Switch
4	"TEST" Switch
5	"Volume" Switch
6	Status LED Indicator
7	LAN Connector
8	DC Jack
9	Power Cable Clamp

■ Accessories

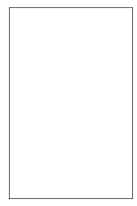
(1) Adhesive Seal (8pcs.)
Rubber Feet (4 pcs.)



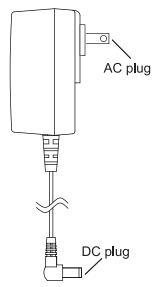
(2) Support Base (1pcs.)
Screws (3pcs.)



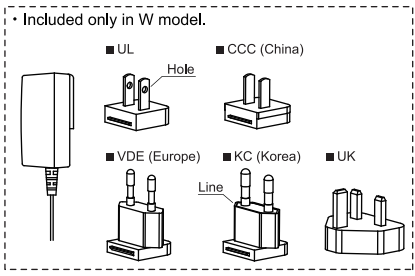
(3) This Book



(4) AC Adaptor (1 pc.)
* Not included in N model.



- Included only in W model.



4 About AC Adaptor

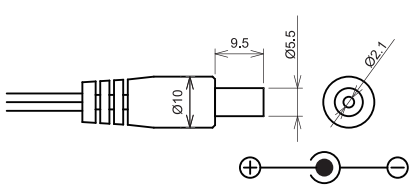
⚠ Warning

- When using an AC adaptor other than our AC adapter (ADP-001), be sure to use the AC adaptor that conforms to the recommended specifications. Using an AC adapter that does not meet the recommended specifications could result in fire or product failure.
- Be sure to use the AC adaptor equipped with the overcurrent protection. Using an AC adaptor that does not have an overcurrent protection function could result in fire or product failure.

Use the AC adaptor included in the product. To order an AC adaptor separately, purchase our AC adaptor (ADP-001).
When using N model (AC Adaptor not included) and AC adaptor other than ADP-001, use AC adaptor with the following specifications.

[Recommended AC adaptor specification]
DC Secondary Output

Voltage	:	24V DC ±5%
Current	:	0.75 A or more and 1A or less (With overcurrent protection)
Plug Length	:	9.5 mm or more
Plastic Housing	:	10mm dia or less
Plug Connector Outer Diameter	:	5.5mm dia.
Plug Connector Inner Diameter	:	2.1mm dia.



5 Product Installation

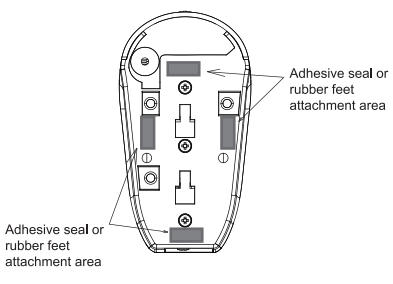
This product is to be intalled on a level surface. Also, use the included accessories (rubber feet, adhesive seal, support base) when needed during installation.

⚠ Caution

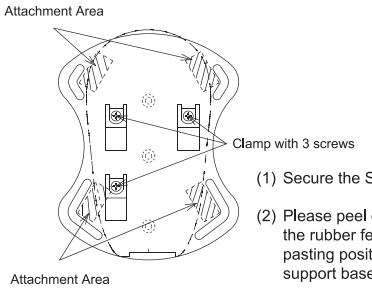
- This product is for indoor use only. Do not use it outdoors.
- Do not exert force to the Signal Tower area.
- When installing this product, please avoid installation in the following places:
  - where its exposed to direct sunlight.
  - where high temperatures,such as near fire, or in a humid place.
  - where drastic temperature and humidiy changes are present.
  - where its exposed to an environment with poor ventillation.
  - where its exposed to vibrations exceeding the specifications.
  - where its exposed to corrosive gas.
  - where its exposed to a salty air environment.
  - where its exposed to dust, iron powder, etc.
  - where its exposed to high concentrations of chemicals or oil mist.
  - where its exposed to rain, or other types of wet environments.

- When the adhesive seal is stuck on the product, it may Be difficult to remove and possibly peel off the remainder of the tape or paint. Be certain where the adhesive seals are to be placed before applying.
- Before placing the adhesive seal, remove dust, moisture, oil, etc. from the surface.
- Be sure to have the underside of the product in position, then peel the backing off the adhesive seal Before applying.

■ When not using support stay



■ When using support stay
(before adding adhesive seals or rubber feet)



(1) Secure the Support Base with screws.

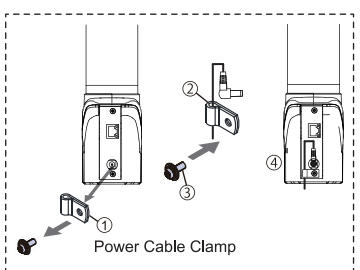
(2) Please peel off the adhesive seals or the rubber feet protection seal to the pasting position on the back side of the support base.

Adhesive seal or rubber feet attachment area

6 LAN Connection

Connect the LAN cable to this product.
- The LAN cable should be a category 5 twisted-pair cable (UTP or STP).
- The LAN cable can either be a straight or cross cable.

7 Power Supply Input



Attach the power plug for this product in accordance with the figure below.
This product requires at least 40 seconds for the boot-up sequence to complete.

【Applying Power】
(1) Loosen the screws with a phillips screwdriver and remove the power supply cable clamp.
(2) Pass the AC Adaptor power cable through the cable clamp.
(3) Fix the power supply cable clamp with a screw.
(4) Insert the DC plug into the Main Unit.
(5) Insert the AC Adaptor into an electric socket.
(6) Power is switched on, a Signal Tower does an all-points Light about 1 second, and status LED in the lower part of the front face of this product lights up.

8 Network Setup

Once the power supply is switched on and startup is complete (as shown below), enter the IP address of this product into the web browser address section.

The factory default IP Address is: 192.168.10.1

When the login screen is displayed, enter "patlite" in the password field, then click the "Login" button.
The default password is "patlite." Please be sure to change the password to prevent any security breaching.
Use the instruction manual downloaded from our website for the setup instructions of this product.

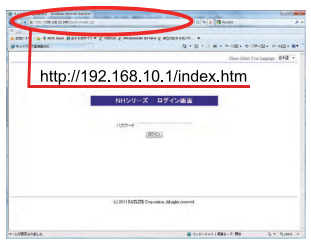
NOTE

- Even if an address is entered, if the login screen is not displayed, changing the personal computer Network settings may be necessary.
  When establishing a Network setting to re-connect , or to initialize it with the Web setup tool for this product, the contents are as followed:

IP address of PC	192.168.10.2-254
Subnet Mask	255.255.255.0
Default Gateway	Setup is unnecessary when making a direct connection.

When connecting it with a Network, be sure to check with the network adminitrator.

<Web Browser Address Entry>



Please carefully read the owner's manuals that are posted on our website for the setting of various functions after logging in.

9 Conformity requirements

■ Conformity requirements for FCC Part 15 SubpartB:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and RSS-Gen of IC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

- The images in this manual may vary in comparison to the actual product and are only for the purpose of illustration.
- Specifications may change without notice due to continual product improvement.
- Despite the cautions and warnings provided in this manual, it is not the responsibility of PATLITE for any failure or damage occured from mishandling.
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