Portable Mid-span PoE injector
iBlock Essential

ET-1P, 2P, 3P
ET-1A, 2A, 3A



PROXEET™
MADE IN CYPRUS

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Manual

Read this manual carefully before use, and retain it for future reference.
For more information, please visit www.proXeet.com

Before use

– Do not use the device near an open source of fire;
– Make sure that the full length of the connected Ethernet cables does not exceed 100 meters;
– This device is not a wire extender and does not amplify Ethernet data signals;
– While using a PoE splitter, make sure that it is connected directly to the Powered Device (PD) and not near this injector.

Quick Start

1. Connect the PoE injector to a compatible removable battery.
2. Connect the Ethernet LAN cable to the Data IN port. (See Fig.1)
3. Connect the PoE OUT port with an Ethernet cable to the PD. (See Fig.1)
4. Press the button. The **green/blue** color of the indicator will show the successful start of the PD, the **red** flashing will show the absence of energy consumption by the PD. (See Fig.2)
5. To turn off the PoE injector, press the button. (See Fig.2)

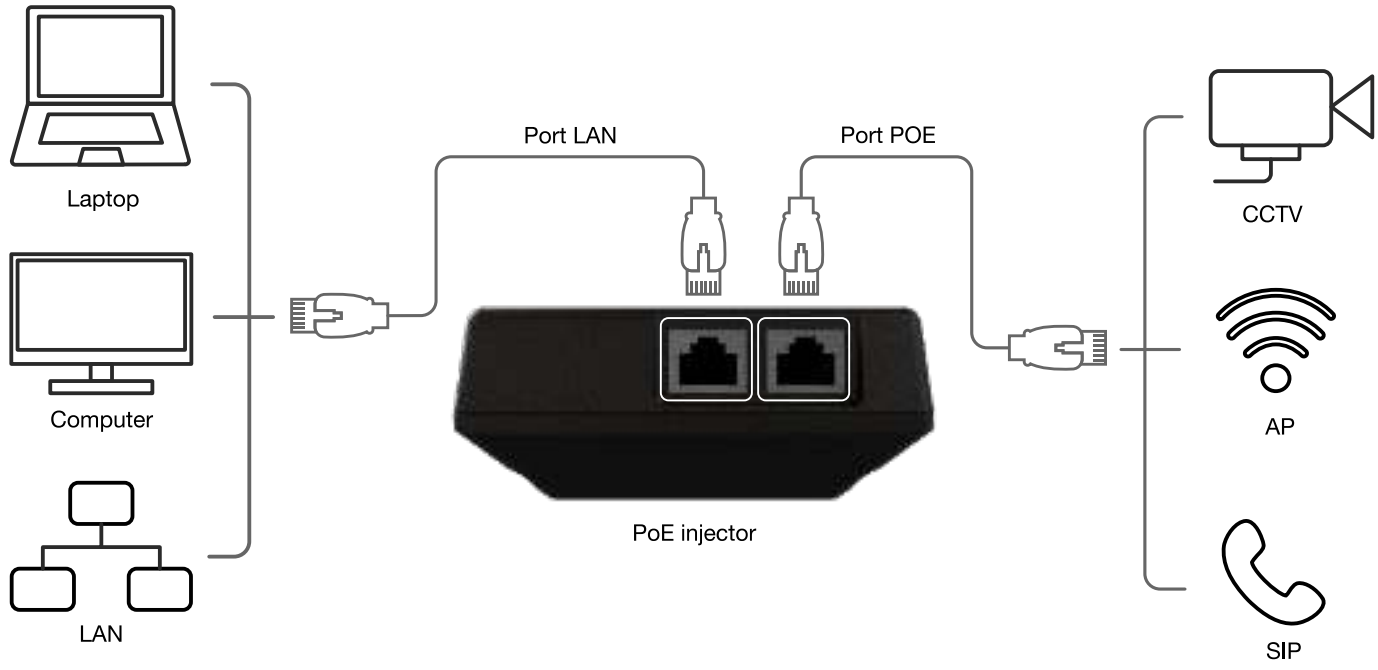


Figure 1

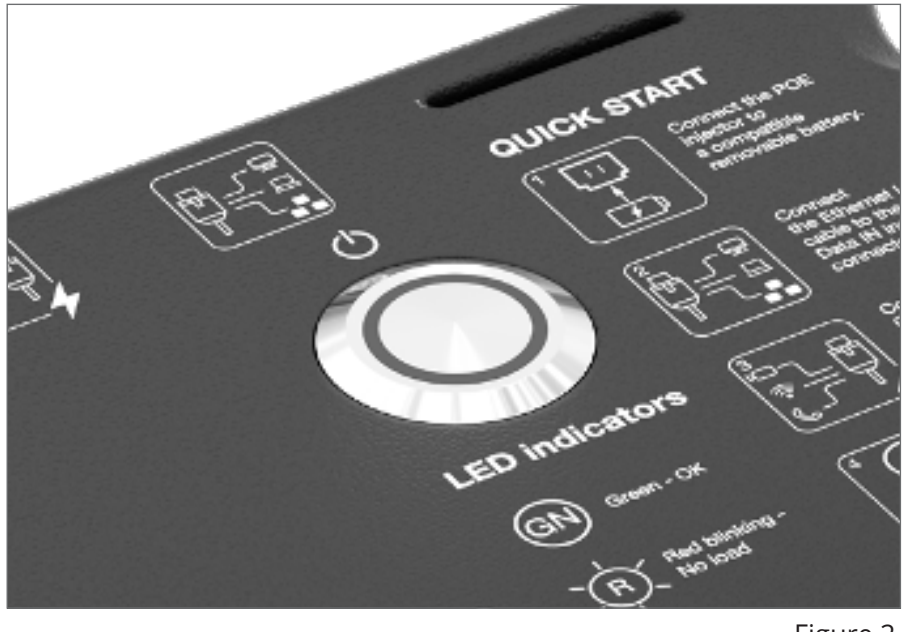


Figure 2

How to connect removable battery

Connecting the PoE injector to a compatible removable battery

Model ET-1P/1A

1. Determine which power battery you want to connect to the injector.
2. Examine the device to determine how the contact pads are installed (position 1 or 2).
3. If necessary, adjust the contact pads to the appropriate position.

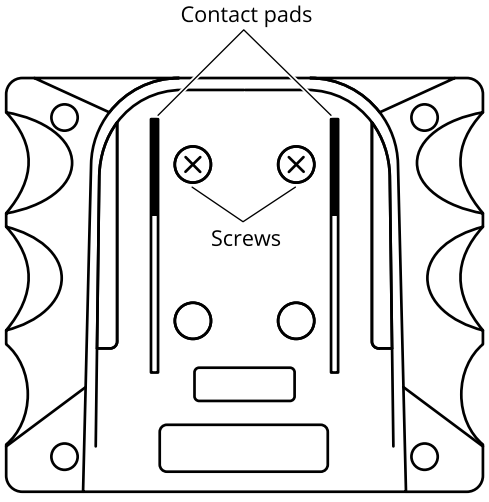


Position 1
for Bosch 18v ProCore battery

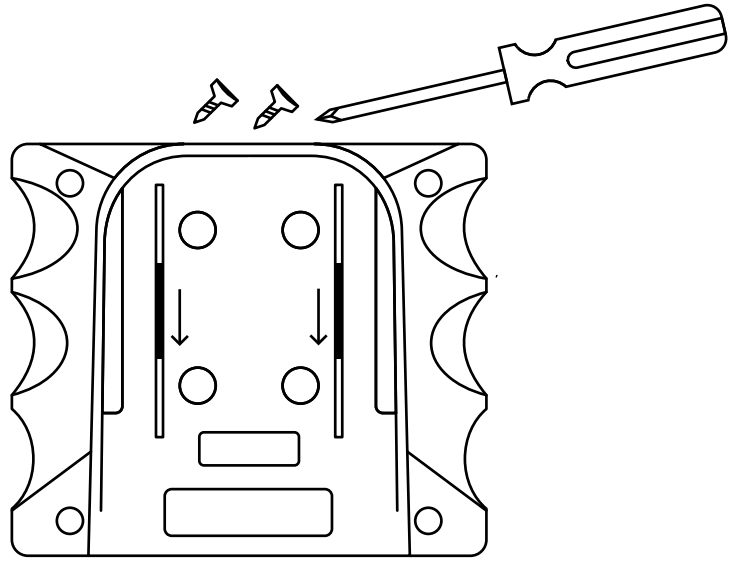


Position 2
for Makita 18v LXT battery

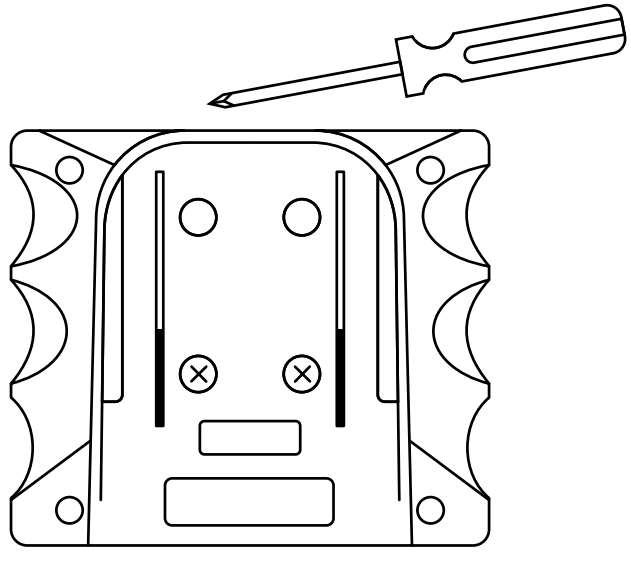
Changing the position of the contact pads



1. Position 1 for Bosch 18v ProCore battery



2. Unscrew both screws;
3. Move the contact pads to position 2 (or 1);



4. While holding the contact pads in the correct position, securely tighten the screws following the provided instruction. (Position 2)

Connecting the PoE injector to a compatible removable battery

Model ET-2P/2A

1. Determine which power battery you want to connect to the injector.
2. Examine the device to determine how the contact pads are installed (position 1 or 2).
3. If necessary, adjust the contact pads to the appropriate position.

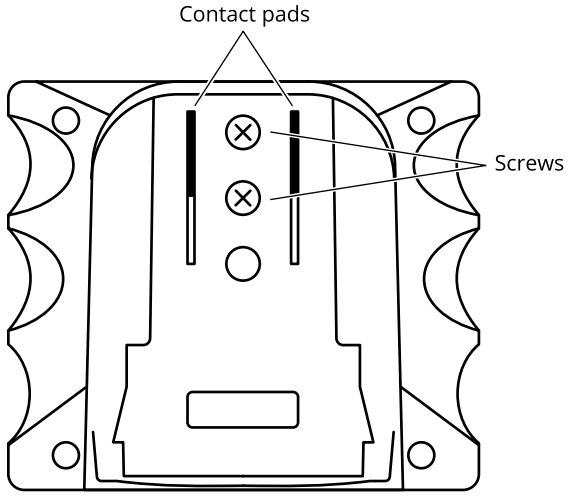


Position 1
for DeWalt 18v XR battery

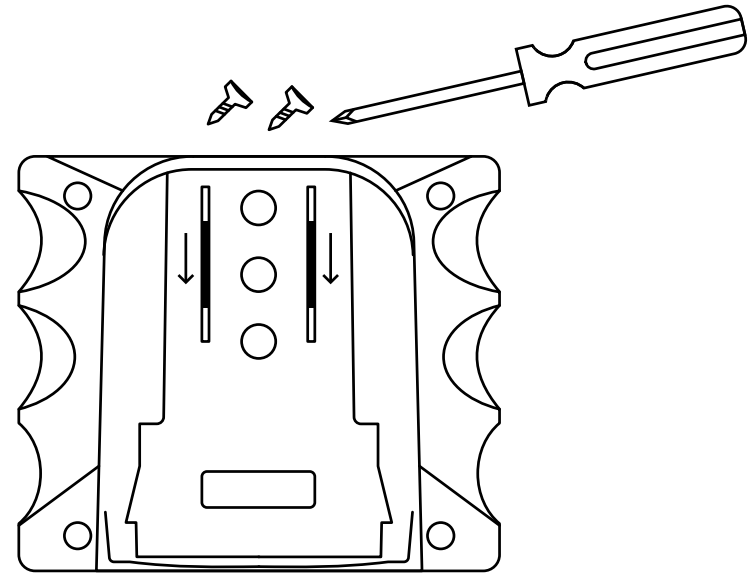


Position 2
for Milwaukee 18v M18 battery

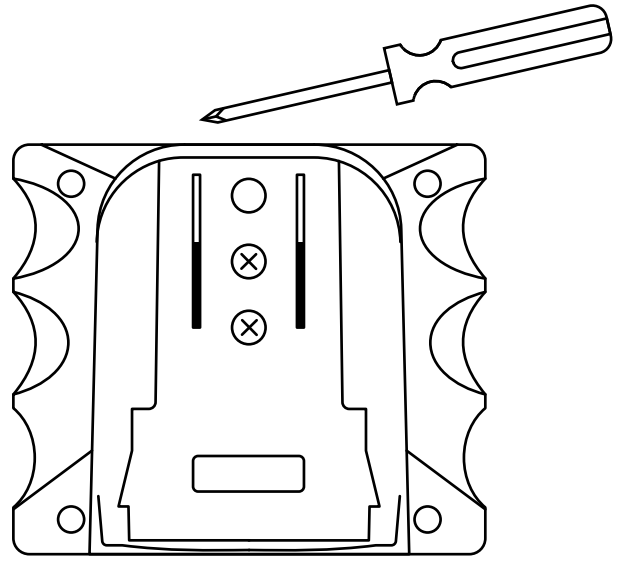
Changing the position of the contact pads



1. Position 1 for DeWalt 18v XR battery



2. Unscrew both screws;
3. Move the contact pads to position 2 (or 1);



4. While holding the contact pads in the correct position, securely tighten the screws following the provided instruction. (Position 2)

Specifications

Power		
PoE output	Passive	Active
	26v DC (up to 25 watt) Passive PoE. Positive 4,5 pair, negative 7,8 pair.	50v DC (up to 25 watt) at/af
Power input	14-20v DC up to 3.5A	
Battery type	Li-ion, Li-Po, LiFePo4 batteries completable with battery port (depends from the model)	
Supported batteries	Power tools batteries manufactured or compatible with BOSCH 18v ProCore, Makita 18v LXT, Milwaukee 18v M18, DeWalt 18v XR, Parkside 20v X20V Team	

Network		
Wired network interface	PoE port	LAN port
	100/1000BASE-TX with PoE	100/1000BASE-TX data only

LED Indicators	
Green (Passive)	normal operation, power is transferred to the Powered Device
Blue (Active)	
Red blinking	Powered Device is not connected; not supported or faulty; the automatic shutdown timer is active

Physical/Environmental	
Dimensions (without battery)	width - 103.5mm, length - 89.5mm, height (depends from model) - 42.5mm (ET-3P/3A) or 48.5mm (ET-1P/1A, ET-2P/2A)
Housing material	PA66-GF30
Electronic components	lead free RoHS
Operating temperature	10˚C to 55˚C
Storage temperature	-30˚C to 70˚C
Relative humidity	20-85% non-condensing

Electrical characteristics at 25°C (Ethernet subsystem)	
Inductance (100KHz/100mV@8mA)	350uH MIN at 0˚C~ +70˚C
Insertion loss (dB MAX)	-1.0dB(1-100MHz)
Feedback loss (dB MIN)	-18dB(1-30MHz),-14.4dB(40MHz),-13.1dB(50MHz), -12dB(60-80MHz),- 10dB(100MHz)
Crosstalk interference (dB MIN)	-45dB(30MHz),-40dB(60MHz),-35dB(100MHz)
Differential-common mode suppression (dB MIN)	-43dB(30MHz),-37dB(60MHz),-33dB(100MHz)
Withstand pressure	1500Vrms/0.5mA/60sec

Compatibility

Any devices supporting passive PoE in the voltage range of 24-30 volts or IEEE 802.3at/af PoE in the voltage range of 36-50 volts with transmission of power and data through pairs of 4,5 positive and 7,8 negative. The PoE injector provides transparent transmission of Ethernet frames, and cannot be used as a wire extender (the full length of the cable from the transmitter to the receiver cannot be longer than 100 meters). Devices with a power consumption ranging from 2 to 25 watts are supported.

Product codes

ET-1P/1A Portable Mid-Span PoE injector compatible with BOSCH 18v ProCore, Makita 18v LXT battery port
ET-2P/2A Portable Mid-Span PoE injector compatible with Milwaukee 18v M18, DeWalt 18v XR battery port
ET-3P/3A Portable Mid-Span PoE injector compatible with Parkside 20v X20V Team battery port

Legal and Regulatory information

Legal Considerations

Installation work using a ProXeet appliance may be regulated by laws that vary from country to country. Please read the legislation of your region before using this product.

Disclaimer

Every care has been taken in the preparation of this document. Please inform your nearest ProXeet office of any inaccuracies or omissions. ProXeet shall not be held responsible for any technical or typographical errors and reserves the right to make changes to the product and manuals without prior notice. ProXeet makes no warranty of any kind with regard to the material contained within this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ProXeet shall not be liable or responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material. This product is only to be used for its intended purpose.

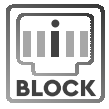
Intellectual Property Rights

ProXeet retains all intellectual property rights relating to technology embodied in the product described in this document.

Equipment Modifications

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no userserviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

Trademark Acknowledgements

PROXEET and 

are registered trademarks or trademark applications of ProXeet in various jurisdictions. All other company names and products are trademarks or registered trademarks of their respective companies.

Regulatory Information

European Directives Compliance CE

This product complies with the applicable CE marking directives and standards:

- Low Voltage (LVD) Directive 2014/35/EU.
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU.
- Restrictions of Hazardous Substances (RoHS) Directive 2011/65/EU and
- its amending Directive (EU) 2015/863.

A copy of the original declaration of conformity may be obtained from ProXeet.
The most up to date copy of the signed EU Declaration of Conformity (DoC) can be found from: www.proXeet.com/support/notice/

CE-Electromagnetic Compatibility (EMC)

This digital equipment is compliant with Class B according to EN 55032.

CE-Safety

This product complies with IEC/EN/UL 60950-1 or IEC/EN/UL 62368-1, Safety of Information Technology Equipment.

Declaration of Conformity CE
(Only for the product has RF function)

Hereby, ProXeet declares that the radio equipment is compliant with Radio Equipment Directive (RED) 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.proXeet.com/support/notice/

Declaration of Conformity UKCA

This device complies with UKCA relevant legislations and standards:

- Electrical equipment (Safety) Regulations 2016
- Electromagnetic Compatibility Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.

UK Declaration of Conformity (DoC) can be downloaded from:
https://www.proXeet.com/uk/newsEvents/ProXeetNotice/572
Hereby, ProXeet declares that the radio equipment is compliant with Radio Equipment Regulations 2017.

USA Regulatory Compliance FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Attention that changes or modification not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from thatto which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC SDOC Statement can be downloaded from: https://us.proXeet.com/support/notices/

RF exposure warning
(Only for the product has RF communication function)

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.
This equipment should be installed and operated with a distance 20cm between the radiator and your body.

Canada Regulatory Compliance ICES-003

This Class B digital apparatus complies with Canadian ICES-003.
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

RF exposure warning

(Only for the product has RF communication function)

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically "p".) is not more than that necessary for successful communication.

Japan Regulatory Compliance VVCI

These products comply with the requirements of VCCI Class B Information Technology Equipment.

Waste Electrical and Electronic Equipment (WEEE) statements Disposal and Recycling

When this product has reached the end of its useful life, dispose of it according to local laws and regulations. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. In accordance with local legislation, penalties may be applicable for incorrect disposal of this waste.

This symbol  means that the product shall not be disposed of together with household or commercial waste. Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) is applicable in the European Union member states. To prevent potential harm to human health and the environment, the product must be disposed of in an approved and environmentally safe recycling process. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. Businesses should contact the product supplier for information about how to dispose of this product correctly.

Correct disposal of batteries in this product (for devices with battery)
This marking on the battery indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life.

CAUTION

Risk of explosion if the battery is replaced by an incorrect type.
Do not throw or immerse into water, heat to more than 100°C(212 °F), repair or disassemble, leave in an extremely low air pressure environment or extremely high temperature environment, crush, puncture, cut or incinerate.
Dispose of the battery as required by local ordinances or regulations.

Privacy Protection Notice

As the device user or data controller, you might collect personal data of others. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people.

About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply
- with the manual.
- The manual would be updated according to the latest laws and regulations of related jurisdictions. For detailed information, refer to the paper manual, QR code or our official website. If there is inconsistency between the paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program, and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurring when using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguards and Warnings

This Chapter describes the contents covering proper handling of the device, hazard prevention, and prevention of property damage. Read these contents carefully before using the device, comply with them when using, and keep it well for future reference.

Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.
DANGER - Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
WARNING - Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION - Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
TIPS - Provides methods to help you solve a problem or save you time.
NOTE - Provides additional information as the emphasis and supplement to the text.

Safety Requirement

- Abide by local electrical safety standards to ensure that the voltage is stable and complies with the power supply requirement of the device.
- Transport, use, and store the device under the allowed humidity and temperature conditions. Refer to the corresponding technical specifications of the device for specific working temperature and humidity.
- Do not place the device in a location exposed to dampness, dust, extreme hot or cold, strong electronic radiation, or unstable lighting conditions.
- Do not install the device in a place near the heat source, such as radiator, heater, furnace, or other heat generating device to avoid fire.
- Prevent liquid from flowing into the device to avoid damage to internal components.

- Install the device horizontally or install on the stable place to prevent it from falling.
- Install the device in a well-ventilated place, and do not block the ventilation of the device.
- Do not disassemble the device arbitrarily.
- Avoid heavy stress, violent vibration, and soaking during transportation, storage, and installation. Complete package is necessary during the transportation.
- Use the factory package or the equivalent for transportation.

WARNING

- Risk of explosion if the battery is incorrectly replaced.
- Replace only with an identical battery or a battery which is recommended by ProXeet.
- Dispose of used batteries according to local regulations or the battery manufacturer's instructions.

Support

Should you require any technical assistance, please contact your ProXeet distributor. If your questions cannot be answered immediately, your distributor will forward your queries through the appropriate channels to ensure a rapid response. If you are connected to the Internet, you can:

- Download user documentation and software updates.
- Search by product, category or phrase.
- Report problems to ProXeet support staff by logging in to your private
- support area.
- Chat with ProXeet support staff.
- Visit ProXeet Support at www.ProXeet.com/support

Contact Information

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