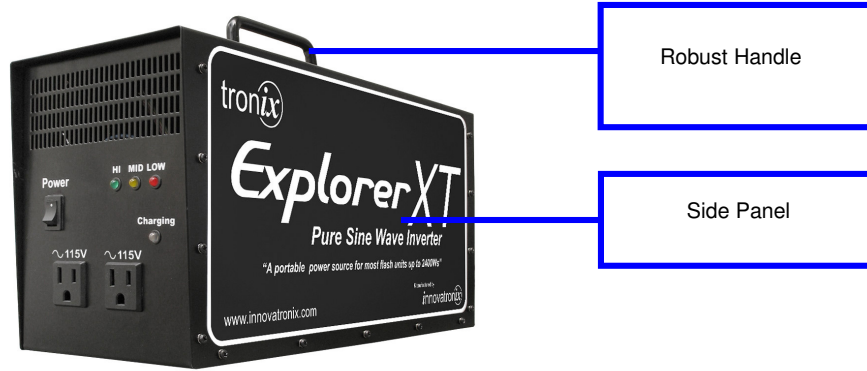

tronix
ExplorerXT
Pure Sine Wave Inverter

A portable power source for most flash units
up to 2400ws

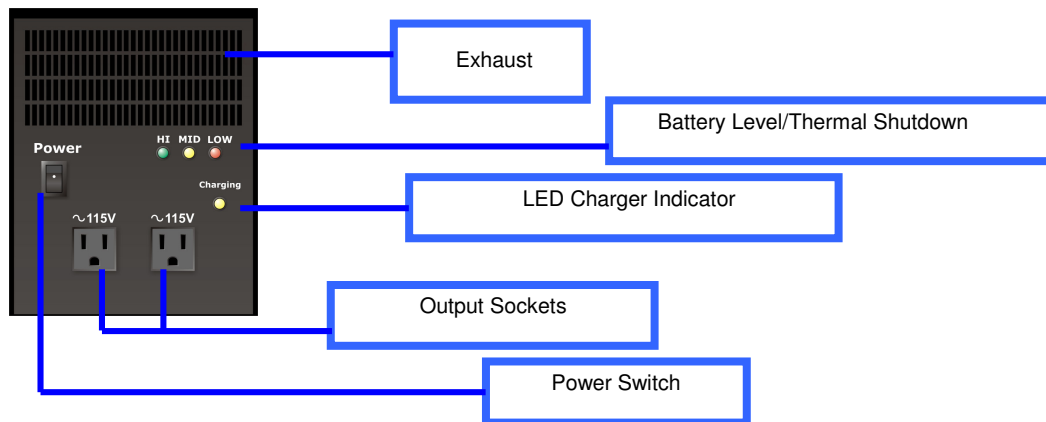
User's Guide

(For TRONIX Explorer XT / Explorer XT SE Units)

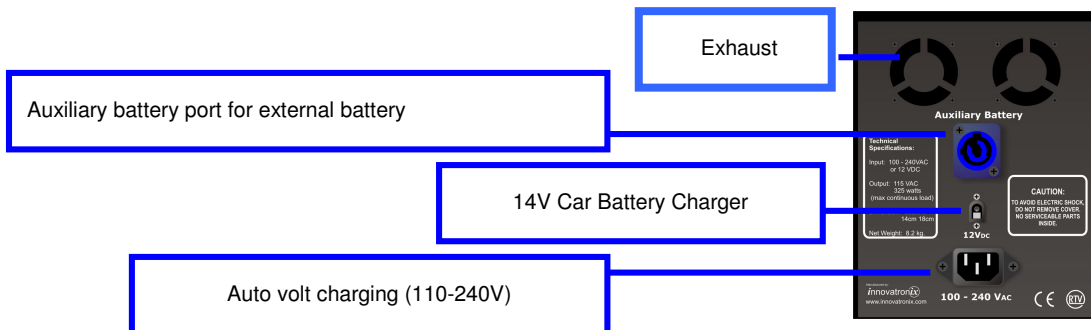
GETTING STARTED



FRONT PANEL



BACK PANEL



TECHNICAL SPECIFICATIONS

Power Output	350 watts (continuous) / 1200 watts (peak)
Sockets	2
Battery	Two (2) 12Vdc, 7AH SLA
Charging Voltage Input	100-240V (auto volt) / 14Vdc (car battery charger)
Charger	Built in
Indicators	LEDs for battery and charging status
Net Weight	8.2 Kgs (18 lbs)
Dimension	37cm x 14cm x 18cm
Available Models	115V/60Hz, 230V/50Hz, 230V/60Hz
Optional Pack	Auxiliary Battery Pack powered with two (2) 12V/12Ah SLA batteries

WHERE TO GET HELP?

You can send your questions 24 hours a day, seven days a week to: customerservice@innovatronix.com . (As much as we wanted to answer your queries as soon as possible, please give us up to 24 hours to reply).

You can call us at: +63 2 645 1592 or + 63 2 645 6124

You can also send your mails at:

Innovatronix, Incorporated
PO Box 391
Q-Plaza Post Office
Cainta Rizal, Philippines

Or for more information about the company, please log on to:
www.innovatronix.com.

SHIPPING MATERIALS

The box shipped to you should contain the following materials

1. (1) Tronix Explorer XT unit
2. (1) Power cord
3. (1) 14-V car battery charger
5. User's guide

Capture the light, get images beyond boundaries....

TRONIX EXPLORER XT

Congratulations on your purchase of the Tronix Explorer XT.

The technically superior Tronix Explorer XT, rated at 350 watts continuous and at 1200 watts peak power, is designed to provide power to most flash units and power packs. It makes your studio light work on location- with faster recycling time, more power and better performance.

POWER AND RELIABILITY

- 1200 watts peak power, recommended up to 2400 ws

- Provides clean sine wave from a 24V source

- Efficient circuit design that generates almost a thousand full power pops for 300 ws flash units

FLEXIBILITY AND MOBILITY

- Auto volt / global charging feature (100V – 240V)

- 14V car battery charger and auxiliary battery port for 24V external battery pack

- Added mobility with the optional Tronix Explorer Bag

- It can also be used for powering battery chargers, laptops, printers, etc.

SAFE AND EASY TO USE

- Plug and play

- Battery power and charging indicators

- Short circuit switch over from battery to external battery pack

The convenience and reliability that Explorer XT boasts would be reason enough to bring this gadget wherever a photographer travels and goes for work, and needs it most.

Thank you for your purchase of Tronix Explorer XT. We hope you will enjoy the product as much as we enjoyed developing it to serve your needs. Our customer service would be glad to assist any of your concerns. You can send your email at customerservice@innovatronix.com 24 hours a day, seven days a week.

How does the Tronix Explorer XT work?

The Tronix Explorer XT is a device which produces a clean 115V or 230V (depending on the model, similar to any conventional power outlet) from 24V source through a fully engineered circuit. It is a portable power supply for most types of flash and power pack units up to 2400 Ws.

***NOTE:**

Flash recycling is a function of three (3) factors: 1) the state of battery charge; 2) the electronics design of the flash itself; and 3) the maximum power output of the inverter.

SAFETY INSTRUCTIONS

- You **MUST** read and understand this user's guide carefully before using the unit. It is recommended that you follow and observe all the tips listed in this guide.
- Do not place the unit near open flames or heat. It may explode.
- Do not expose the unit to moisture and water.
- Disconnect the charging plug and other plugs by taking it in hand instead of pulling the cord.
- The unit should not be subjected to damage or stress. It should be kept away from being stepped on or tripped over.
- Do not use the unit if it has been dropped, subjected to massive blow or been damaged in any way.
- Do not disassemble the unit. Improper alteration or modification can cause electric shock or fire. In doing this, the warranty is cancelled.
- Carefully note that the batteries can emit explosive gases when disposed improperly.
- Always keep your unit in good working condition.

BASIC OPERATIONS

Note: Before your first use, please charge your unit for 12 to 15 hours to ensure optimum battery performance.

1. Check whether the batteries have sufficient power charge for your workload. If not, charge the Explorer XT unit. (See charging).
2. Set-up your necessary lighting gear/s.
3. Connect the plug of your flash unit to one of Explorer XT's sockets.
4. Turn on your Tronix Explorer XT by switching to POWER SWITCH to ON position.

5. Test your flash units first. If you have set your desired lighting requirements, proceed with your photo shoot. Note that using the modeling lamps in your flash will prolong recycling charging time and will easily discharge the battery. Please do not use your modeling lights when using the Explorer XT as your power source. ***(It is strongly suggested to test the Explorer XT with the lowest possible settings first. Gradually increase the power setting to be able to quantify the difference in recycle times when used at different power loads).***

THERMAL SHUTDOWN

The Explorer XT is equipped with a thermal shutdown feature where AC outputs are disabled, with alarm indicator using LED and buzzer (this is a distinct and different behavior when the batteries are drained and need to be recharged.)
See FAQs for more information.

CAUTION:

The Explorer XT's battery will be discharged if any of the following occurs (aside from the normal use of powering strobes/flashes):

- The unit is turned ON at no load; it will be discharged after 40 hours.
- The unit is turned OFF at no load; it will be discharged after 200 days.
 - * Thus, it is recommended when the unit is under storage (not in use), plug it in a 115V/230V or 14V outlet.
 - * The Explorer XT consumes about 0.35mA even it is turned OFF because the internal monitoring and watchdog circuitry is still on. A totally discharged battery will severely affect its useful life.

Charging

- Plug in the power cord in a 100 –240 V power source. It usually takes 3-5 hours to fully charge the battery. The battery is fully charged when the charging LED stops blinking.

Emergency Charging

- Plug in the Explorer XT in your car cigarette lighter socket. However, you cannot fully charge the Explorer XT by using this.

MAINTENANCE

1. For optimum performance, keep the battery fully charged. A lighted Green LED characterizes a fully charged battery when the unit is being used. In addition, a lighted Red LED characterizes a drained battery.
2. The Explorer XT uses two (2) 12V/7Ah sealed lead acid battery. If you wish to replace the battery, use only battery provided by Tronix or with the same specifications. Other batteries may not be suitable to the system and may cause damage or injury.
3. Turn off the unit when not in use. Leaving it on will severely drain the battery.
4. When cleaning the unit, wipe it with a dry cloth. Do not use any liquid or detergents.
5. When not in use coil the cables. Loose cables usually cause accidents.

TIPS:

The Explorer XT unit uses SLA batteries, which dry up if stored for a long period of time without charging. We recommend making it a habit to charge it once in a while to prevent the batteries from drying up.

Do not leave the Explorer XT unit stored for a long period of time without charging; the battery's life will be severely shortened.

FREQUENTLY ASKED QUESTIONS

1. There are three (3) models. How do I know which one will I need?

The model denotes the voltage output rating of the Explorer. You will select the model which matches the input voltage of your studio lights or power packs. For example, Explorer XT 115V/60Hz models are used by photographers in North America (US and Canada) while the Explorer XT 230V/50Hz model are used by photographers in Europe, Middle East and the rest of Asia including Australia and New Zealand..

2. How do I know if my strobe or powerpack is compatible with the Explorer XT? Why not all strobes and powerpacks are compatible with the Explorer XT?

*The Explorer XT is **compatible to more digital strobes than the Explorer 1200 due to its increased power rating**. It is now rated at 350 watts continuous, making it compatible to digital strobes giving 1-2 seconds recycle time to 400ws load. However, we cannot guarantee the compatibility to all strobes and power packs in the market due to the differences in the design or make of strobes and power packs of other brands. In a few cases, digitally controlled strobes will not be compatible with the Explorer XT. Because immediately after the flash is fired, the capacitors inside the strobe will draw a huge inrush current, which the Explorer XT cannot adequately provide. Thus, for a second or two, the voltage output will be less than adequate.*

For analog flash, this is not a problem and can tolerate this voltage drop. For digital flash units, this will probably cause it to go on reset and return all its settings to the power up stage. Though this is not damaging to your flash or to the Explorer XT, but it will just not work properly.

For Explorer XT SE units, it is designed and thus compatible to autovolt moonlights/strobes such as the Elinchrom Bxri, Profoto Compact Plus, etc.

3. How do I charge the Explorer XT?

There are two ways to charge the Explorer XT. Plug it to a conventional outlet, direct to a power line. For a fully discharged battery, charging can take about three (3) to five (5) hours. The Explorer XT can also be charged using the car's battery. The unit has a designated car cigarette jack that should be plugged into a 14Vdc slot located at the back of the Explorer XT.

The thermal shutdown feature (due to overheating and fans are turned off) is integrated with the battery level indicators. If the RED LED gives a continuous blinking and buzzes, the AC output is shut off. This happens when the inverter is subjected to continuous loading and has overheated or when the fans failed or turned off. As a safety and protective measure, the AC output is shut off.

The RED LED gives a different behavior when the batteries are drained and need to be charged.

4. How many pops can I expect in one full charge?

The number of pops will depend on the type of flash unit and the power loaded to the Explorer XT. Small loads will produce the greater number of pops and faster recycling time compared to large power loads.

5. What are the things to watch out when using the Explorer XT?

Just like any portable power source from battery, the recycling time of the Explorer XT for flash units and power packs can never be much faster than the recycling time when a studio light or power pack is plugged directly from convenience outlet or power lines.

In addition, modeling light should be turned off as continuous load drains the battery charge much faster.

The product should also be recharged after each use and should not be kept stored for more than 3 months without using or charging. Similar to other products that use lead acid batteries - a

discharged battery for a few months will severely damage the battery performance and eventually shorten its useful life.

For longer photo shoots, the optional Tronix Auxiliary Battery Pack is recommended. It is sold separately from the Tronix Explorer XT unit.

6. Are there any maintenance tips on storing the Explorer XT?

The unit should be turned off when not in use. Leaving it on and consequently draining the battery will severely damage the battery. The Explorer's battery can be left plugged even after it is fully charged. It uses trickle charging technology so that it won't overcharged. This practice also maintains the battery's optimum life span.

7. What is the expected lifespan of the Explorer battery? How much would be the replacement battery?

The Explorer XT's batteries are rated at charge-discharge cycles or about a year of every day use or depending on the battery's actual usage. Typical batteries retail at US\$20-30 per piece. If the user would need to replace the battery, use only batteries provided by Innovatronix or with the same specifications. The Explorer XT uses two (2) 12V, 7AH SLA batteries. Other batteries may not be suitable to the system and may cause damage or injury.

8. Is the Explorer 1200 now discontinued?

No, the Explorer 1200 is not discontinued. The Explorer 1200 is recommended for those who work for lower loads while the Explorer XT is recommended for those who need faster recycle time and for larger loads.

9. What is the customer satisfaction guarantee and/or warranty?

As stated in our [Terms of Use](#), only items with manufacturing defects should be returned for a full refund if purchased within the last 30 days and will be replaced as soon as possible. All costs are charged to Innovatronix Inc. It also carries a 30-day satisfaction guarantee.

WARRANTY STATEMENT

The Tronix Explorer XT is covered by a one-year warranty from the date of purchase. From that date, the product should be free of any defect in material and workmanship and it will function in accordance with our stated performance.

Within this period, Innovatronix, Inc. will repair or replace defective parts. This warranty only covers failures due to manufacturing defects and workmanship; hence, breakdown of the unit due to gross abuse and normal wear and tear is not covered in this warranty.

There are no warranties by use except as stated therein. For unsafe and/or faulty repairs, Innovatronix, Inc. and/or sellers shall not be liable caused by such cases. Any alterations made to this product by unauthorized service technicians are the sole responsibility of the owner. Our maximum liability for any breach of this agreement or other claim to the use of this product shall not exceed the purchase price of the product by the customer.

Warranty registration is not required. Warranty is applicable if and only if the product is used under normal conditions for its intended purpose.

CAUTION

Do not make any changes or modifications to the product unless otherwise specified in this manual. Any change or modifications made, you could be required to stop the operation of the equipment.

Innovatronix shall not be liable for any damages or problems arising from the use of any options or any accessories products other than those designated for the product itself. The customer uses this product at his own risk and Innovatronix and/or seller will not be held liable under any circumstances for incidental or consequential loss, damage or injury, including but not limited to loss of properties, due directly or indirectly from the use of this product.

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