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Electrical Connection

**WARNING** Risk of electric shock or explosion - Do not remove or clean any serviceables or parts made for the product:
- **Warning**: Risk of electric shock. Always check cables for signs of damage. Damaged cables can cause personal injury and/or damage to the equipment.
- **Caution**: Do not exceed the current output (Io) of the product when powering auxiliary devices.

**CAUTION**: When cleaning the product, use a soft damp cloth only. Do not wet the exposed metal parts of the battery. Do not use solvents, detergents or scouring agents.

**WARNING**: All (Nickel) batteries have a maximum battery cut-off point. Should the battery be inadvertently charged beyond this cut-off point, the battery will overheat and cause injury or property damage. Should this occur, immediately remove the battery from the equipment and call the nearest Antoun/Bauer Customer Support Group.

**RISK OF ELECTRICAL SHOCK** Refer servicing to qualified service personnel.

Operation

**CAUTION**: Always place batteries in a landscape position when charging. When there is a risk of damage to the product, please contact the nearest Antoun/Bauer service agent for support by your local Antoun/Bauer. Do not dispose of batteries or other chemicals about the area or cause damage to any electrical equipment. Battery liquid enters the environment via burn/burn injuries. When there is a risk of damage to the product, please contact the nearest Antoun/Bauer service agent for support by your local Antoun/Bauer.

**DANGER**: Where there is a risk of injury, there is a risk of electricity shock or explosion. Charge the battery to prevent damage to the battery or the device.

Intended Use

The Antoun/Bauer D500 XI Series Lithium-ion battery is specifically designed and manufactured to be charged with current Antoun/Bauer chargers. Do not attempt to use a charger not manufactured by Antoun/Bauer with this product.

Maintenance

**WARNING** The handling of non-approved polarity or accessories, or the carrying out of non-approved alterations or servicing can be dangerous and could affect the safety of the product. It may also invalidate the terms and conditions of the product warranty.

**WARNING**: Never attempt to service this battery. Refer servicing to qualified service personnel.

**WARNING**: Never attempt to open this battery. The electronic circuits inside the battery can be damaged causing malfunction and/or potential hazard to persons and equipment. Do not disassemble the battery or open it.

**WARNING**: Never attempt to replace the cells in this battery. It cannot be rebuilt or refurbished. At the end of its useful life, contact the Antoun/Bauer Customer Support Group.

**WARNING**: Never attempt to replace the cells in this battery. It cannot be rebuilt or refurbished. At the end of its useful life, contact the Antoun/Bauer Customer Support Group.

Weekly, or as needed - Clean the device, associated component, and accessories as needed with a damp, non-saturated cloth or paper towel. Do not wet the exposed metal part of the battery charge terminals. Do not use solvents or scouring agents. Example of a proven solvent is Coke® and Wind®. Contact Antoun/Bauer Customer Support Groups for approved list of cleaning agents.

Periodic cleaning of both the charger terminals and battery terminals will ensure continued reliable operation. Clean the terminals occasionally with a damp cloth or slightly scrape the surface with a blunt instrument to help reduce the build-up and build-up causing poor communication or charging.

Contact Antoun/Bauer Customer Support Group with questions or malfunctions as to maintenance.

Storage

**WARNING**: Keep batteries cool at or room temperature whenever possible. Sudden variations in temperature can cause internal shorts in batteries.

**WARNING**: Charge batteries at room temperature in warm climates keep chargers in air conditioned rooms for best performance.

**WARNING**: Although Lithium-ion has good self-discharge characteristics, batteries should be stored for long term storage in a fully charged condition.

**WARNING**: Batteries should always be stored in a fully charged state and kept cool. If batteries must be stored for a long period (over 30 days), the battery electronics will enter a deep sleep mode. The battery will "suck" when placed on a charger. It is a good idea to select the battery they exchange/charge cycle from time to time during storage.

**CAUTION**: Keep batteries cool at or room temperature whenever possible. Sudden variations in temperature can cause internal shorts in batteries.
Air Transportation Regulation

Dangerous Goods Regulations 49CFR Parts 100-185, International Air Transport Association (IATA) and the International Civil Aviation Organization (ICAO) regulations apply to all Lithium-Ion battery transport.

Air Transportation Declaration

Vitec Production Solutions, declares that the Anton/Bauer Dionic XT Lithium-Ion battery packs contain equivalent Lithium content (ELC) in a quantity exceeding 8 grams and therefore is considered and must be handled and transported as a class 9 Hazardous article and is subject to regulation under Dangerous Goods Regulations.

49CFR PARTS 100-185

Since the interpretation and application of regulations may vary with the aviation company, the transport of the Anton/Bauer Dionic XT Series battery may be disallowed even when the conditions described above are satisfied. Anton/Bauer therefore strongly recommends that you consult with your transportation company prior to transporting the battery pack.

Introduction

The Anton/Bauer Dionic XT Series batteries contain a proprietary IP that increases run-time and lengthens life cycle, eliminating the negative effects incurred when running digital technology with traditional battery circuitry. All with Anton/Bauer’s balanced, high-quality cells that deliver a long performance life.

This user guide covers the safe and reliable operation of the Dionic XT Series batteries.

Important

Special precautions and handling instructions are contained in this user guide and should be strictly adhered to for safe and reliable operation. Contact Anton/Bauer Customer Support Group with any questions regarding this product.

Contact Anton/Bauer Customer Support Group with any questions regarding this product.
Dionic XT Series LCD

Every Dionic XT Series battery has an easy to read LCD which conveniently reports battery information in one of two ways.

1. When the battery is sitting idle (no load is applied) the LCD will show remaining capacity as percentage of full.

2. When a specific load is applied to the battery, the LCD will display remaining run-time in hours/minutes.

3. For use in dark shooting environments, the Dionic XT’s are equipped with an LCD backlight, this may be activated by touching the surface of the battery on or adjacent to the XT logo.

Dionic XT Series LCD

The Dionic XT batteries are equipped with sophisticated on-board diagnostics. Entering diagnostic mode is achieved by a triple tap on the XT logo. Once in diagnostic mode different fields of information may be displayed. A single tap will advance to the next field. Fields available will depend on the installed firmware version.

The battery LCD will revert to normal operation following 10 seconds of inactivity.
PowerTap® and USB

The Dionic XT Series features an Integrated PowerTap® and USB ports on the side of the battery to power camera accessories. The PowerTap® allows for convenient deployment of up to 12 Amps of DC current for various parallel devices. The USB port supplies a regulated 5 volts and maximum 2 Amps current and may be used for charging mobile devices.

Charging

Mount any Dionic XT series battery to any open position on an Anton/Bauer charger and the charger will automatically determine the appropriate charge routine and execute it.

In some cases a battery may be discharged to a very low voltage level causing the battery to be unrecognizable to the charger when first attached.

Will deliver a high rate charge matched to the capabilities of the battery. Typically a one or two hour rate, depending on battery type. During this stage, six separate cutoff methods are in operation, simultaneously, ensuring the fastest, safest charge for that battery.

Charging is a BALANCING or "stabilizing" mode which calculates each battery pack type to offset any imbalance of the battery's cells, created by unequal self-discharge or any capacity mismatch of the individual cells in the pack. This stage can vary in duration from zero to as much as 16 hours, depending on the condition of the battery. The Stage Two charge reduces current automatically as the battery charges maintaining the cells at a safe voltage level. A battery will typically leave Stage Two in 2-4 hours under average operating conditions.

Charging is the Anton/Bauer exclusive Lifesaver® maintenance mode. This patented pulse routine keeps batteries fully charged, free from self-discharge - indefinitely - without damaging heat associated with a so-called "trickle charge". The Stage Three programming monitors the self-discharge of the battery, providing charge only when the battery self-discharges to about 95% of its capacity.

Three Stage Charging Methodology

In general, Anton/Bauer chargers (Gold Mount and V-Mount) will deliver a three stage charge routine to each battery.

- Stage One: Will deliver a high rate charge matched to the capabilities of the battery. Typically a one or two hour rate, depending on battery type. During this stage, six separate cutoff methods are in operation, simultaneously, ensuring the fastest, safest charge for that battery.
- Stage Two: Charging is a BALANCING or "stabilizing" mode which calculates each battery pack type to offset any imbalance of the battery's cells, created by unequal self-discharge or any capacity mismatch of the individual cells in the pack. This stage can vary in duration from zero to as much as 16 hours, depending on the condition of the battery. The Stage Two charge reduces current automatically as the battery charges maintaining the cells at a safe voltage level. A battery will typically leave Stage Two in 2-4 hours under average operating conditions.
- Stage Three: Charging is the Anton/Bauer exclusive Lifesaver® maintenance mode. This patented pulse routine keeps batteries fully charged, free from self-discharge - indefinitely - without damaging heat associated with a so-called "trickle charge". The Stage Three programming monitors the self-discharge of the battery, providing charge only when the battery self-discharges to about 95% of its capacity.

Anton/Bauer recommends that batteries remain on the charger and plugged into AC mains power for best results. The Lifesaver mode will keep them 100% charged.
Technical Specifications

Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>XT100G</th>
<th>XT100V</th>
<th>XT1050G</th>
<th>XT1050V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>2.1 inches</td>
<td>2 inches</td>
<td>2.7 inches</td>
<td>2.6 inches</td>
</tr>
<tr>
<td>Width</td>
<td>5.6 inches</td>
<td>5.8 inches</td>
<td>5.8 inches</td>
<td>5.8 inches</td>
</tr>
<tr>
<td>Height</td>
<td>5.1 inches</td>
<td>5.1 inches</td>
<td>5.1 inches</td>
<td>5.1 inches</td>
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Electrical Data

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<tr>
<th>Variant</th>
<th>Nominal Voltage</th>
<th>Operating Voltage</th>
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<tr>
<td>90 G &amp; V</td>
<td>14.1V</td>
<td>10.0~16.1V</td>
</tr>
<tr>
<td>150 G &amp; V</td>
<td>14.4V</td>
<td>10.0~16.8V</td>
</tr>
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MAXIMUM DISCHARGE RATE
173W or 12A

After Sales Support

At Vitec Production Solutions we take great pride in the quality of our products and we also recognize that your experience with our products will be even more positive and productive with strong, effective support to back them up. Vitec Production Solutions Service Centers are there to provide technical support for customers and partners, via telephones or email. For more information, including complete contact details, please go to: www.vitecsupport.com

www.vitecsupport.com
This warranty for the product specified in this document ("Product") is given by Vitec Production Solutions ("Anton/Bauer"), 34 Progress Drive, Shelton, Connecticut 06484. If you (the purchaser of the Product from Anton/Bauer, or the person for whom the Product was purchased, if it was a gift) have any questions regarding Product applications, Product specification, or to obtain warranty service on this or any Anton/Bauer product, contact the company at the address above.

THIS PRODUCT MUST BE REGISTERED WITH ANTON/BAUER WITHIN 30 DAYS OF PURCHASE TO ASSURE WARRANTY COVERAGE. REGISTER ONLINE AT: www.antonbauer.com

Warranty registration, including the serial numbers of Anton/Bauer chargers used with this battery, must be supplied to Anton/Bauer. Anton/Bauer will warrant the Product only against defects in material and workmanship for the period as follows from the date of purchase, in accordance with the terms set forth below, and then, only if the Product is used exclusively in conjunction with compatible Anton/Bauer chargers. If this battery or product is returned to Anton/Bauer for warranty service it will be required that you provide model names and serial numbers of compatible Anton/Bauer chargers with which this product was used.

MAXX II Warranty 24 months: Anton/Bauer will repair or replace the Product at Anton/Bauer’s option and cost.

This warranty shall be effective only if Anton/Bauer receives notice of such defects in materials or workmanship during the period of the warranty. The liability of Anton/Bauer hereunder is expressly limited to a claim for repair or replacement of the Product or as otherwise stated herein at Anton/Bauer’s sole discretion. Notice of any claim under this warranty shall be delivered to Anton/Bauer during the period of the warranty and the Product shall be returned with its packaging promptly, at your expense, to an Anton/Bauer Customer Support Center or to the address above. Upon receipt of the Product and a record of your compliance with the conditions of this warranty, Anton/Bauer will repair or replace the Product and return it to you, or issue a credit, as applicable. You are responsible for all shipping and handling charges to and from authorized facility.

THIS WARRANTY DOES NOT APPLY TO AND IS VOID IN THE CASE OF DEFECTS OR DAMAGE RESULTING FROM ACCIDENTS, DISASTER, NEGLECT, IMPROPER INSTALLATION, IMPROPER OR UNAUTHORIZED SERVICE OR MAINTENANCE, UNAUTHORIZED REPLACEMENT PARTS OR ATTACHMENTS, OR DISFUNCTION OR MALFUNCTION OF, OR CAUSED BY, ANY OTHER PRODUCT OR DEVICE.

Misuse includes any use of the Product in other than its intended application, including the use of this Product with any charging device or accessory not manufactured by and/or specified by Anton/Bauer. This warranty does not cover, and Anton/Bauer assumes no responsibility for, any equipment or devices used in conjunction with the Product.

ANTON/BAUER DISCLAIMS ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY OF THE PRODUCT. UNDER NO CIRCUMSTANCES WILL ANTON/BAUER BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This Warranty is to be construed and enforced in accordance with the law of the State of Connecticut, including the provisions of the Uniform Commercial Code as adopted and from time to time amended in the State of Connecticut, and not the Convention for the International Sale of Goods. This choice of Connecticut law is exclusive of any Connecticut law that would require reliance on any law foreign to Connecticut.
Should any action of law or in equity be brought by any person under this Warranty, such action shall be brought only in the United States District Court for the District of Connecticut, or in any Superior Court in Fairfield County, Connecticut, USA. Some states do not allow limitations on how long a warranty lasts, so the above limitation herein may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other legal rights which may vary from state to state. Use of unauthorized equipment in conjunction with Anton/Bauer products constitutes misuse under our warranties and may limit or void these warranties. Anton/Bauer does not authorize, condone, recommend, or otherwise assume any liability or responsibility resulting from the use of any battery, charger, or accessory made by Anton/Bauer with any battery, charger or accessory not manufactured, produced or sold by Anton/Bauer. Anton/Bauer only authorizes the use of original Anton/Bauer products with this Product. Use only original Anton/Bauer equipment with this Product.