



Quantum Turbo SC Camera Flash Battery Operating Instructions

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Quantum.

Quantum Turbo SC Camera Flash Battery



INTRODUCTION

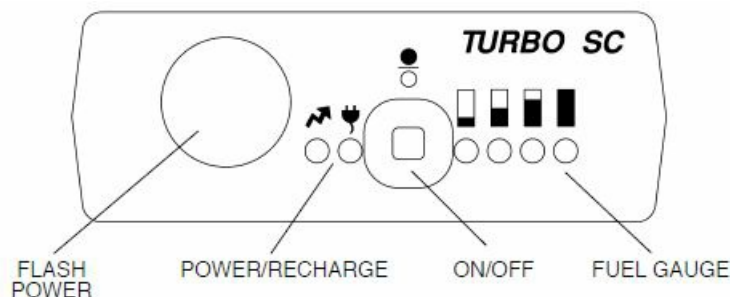
Turbo SC (Turbo Slim Compact) uses the latest technology in Nickel Metal Hydride (NiMH) batteries. The battery provides high power for quick flash recycling, great capacity, no memory, and long life. Quantum's NiMH battery is smaller and weighs less than other high-power batteries!

WARNINGS AND CAUTIONS

- Do not disassemble the Turbo SC. High voltage!
- Return defective equipment only to Quantum dealers, distributors, or directly to Quantum.
- Never put metal objects near either socket. Keep children away.
- Turn Turbo SC, camera, and flash off before connecting or disconnecting cables.
- Turbo SC is powerful! Do not exceed flash's maximum consecutive full-power flashes (see flash instructions, or else 36 flashes). Then rest flash until it cools.


Note: no limit for Qflash.

QUICK GUIDE





- For best results, charge your Turbo SC the night before each use. The nature of Nickel Metal Hydride batteries is that they lose a portion of charge every day. Charging the night before or right before use ensures maximum capacity for your job.
- The "fuel gauge" is a computer-calculated monitor of remaining battery power and the amount of charge during

recharging. When powering flash-es, the green indicators go out as battery power is used up. With only one green indicator lit less than 25% capacity remains.

- When the green [] 25% indicator blinks, power to external equipment is shut off. Turbo SC must be recharged.
- During charging, each green indicator will blink and eventually stay on as the charge is returned to the battery. When all green indicators are lit steadily, charging is complete. See Section 5 for more charging details.
- Turbo SC is not compatible with SD and CD Camera Cables. Quantum Qflash models come with their power cord, which plugs into the socket of Turbo SC.




OPERATION

- For trouble-free operation, always turn Turbo SC, camera, and flash off before connecting or disconnecting Flash Cables. See Section 9 for selecting a Flash Cable or Accessory.
- To turn Turbo SC on press and hold the panel button marked [] until the green "fuel gauge" lights come on. To turn off, press and hold the button until the lights go out.
- One yellow LED panel indicator is marked with the flash [] symbol. This indicator lights steadily when connected to a flash. Please see Sections 6 and 7 for LED indications of the status of your Turbo SC and/or any problems that it may have detected.


RECHARGING




- Recharge at room temperature. Charge the night before, or charge just before use to be assured of obtaining 100%charge.
- Turbo SC is supplied with a universal charger that works with AC mains power from 100 to 240 VAC. Your Turbo SC is supplied with one of the following charger models: TCRUS (USA, Canada, Japan); TCRE (euro countries); TCRUK (United Kingdom); TCRA (Australia, New Zealand). Plug adapters may be used to allow

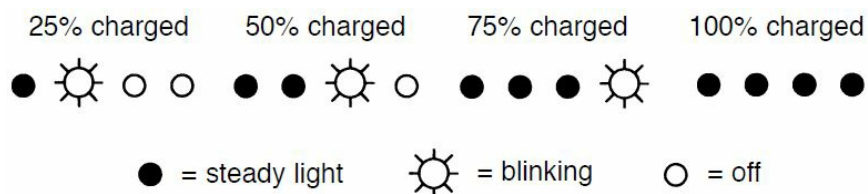
charging from any 100-240 VAC power outlet. A voltage converter should not be used.

- Be sure the AC mains socket is an uninterruptible line (not switched). It is important not to interrupt the charging so that the computerized fuel gauge remains accurate. If the charge cycle is interrupted, the fuel gauge may read incorrectly during use but will correct itself on the next cycle.
- The yellow charge indicator [] lights when the charger is properly connected. A full charge takes about 2 hours. Do not use any other type of charger and risk damage to the Turbo SC!
- When the charger is first connected the green fuel gauge LEDs turn on and off during a brief self-check. When the self-check finishes, charging begins and the fuel gauge indicates charge progress. The fuel gauge indicates charging progress as shown in the diagram.

FLASH INDICATORS

A yellow flash indicator [] shows the status of flash power.

-  A steady light means the output is supplying flash or camera power.
-  A Blinking indicator shows when the high voltage has shut down.
-  Off indicates no power for that output.



ERROR CONDITIONS and TROUBLESHOOTING

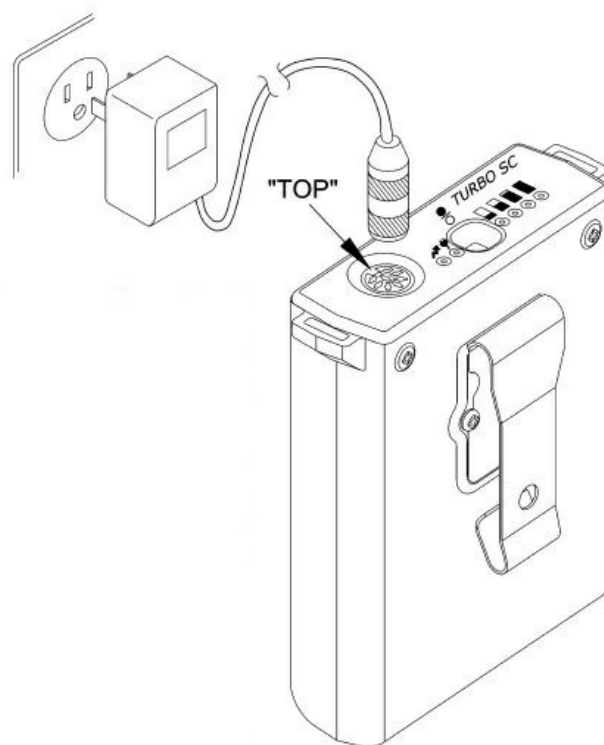
Symptom

- A Flash Cable is connected but the output indicator is not lit.
- A Flash Cable is connected to a flash and the output light blinks for 30 seconds.
- The fuel gauge's 25% green light blinks for a few minutes, and then all lights go out and there is no power to the equipment connected.

Solution

- The cable could be broken or shorted, or it may be the wrong cable.
- Turbo SC has detected that no flash is connected. This could be caused by an intermittent or broken cable or a cable that is not fully engaged in the socket.
- This is the low battery indication. Recharge. Check that the charger is connected to a live mains outlet that cannot be switched off.

WEARING TURBO SC



- Turbo SC may be clipped onto a belt with its attached belt clip.
- The Turbo SC also can be worn over a shoulder using the shoulder strap. For comfort, the belt clip may be removed from Turbo SC, as shown in the diagram.
- Loosen the screws a few turns and remove the belt clip. Do not remove the screws completely!
- Re-tighten the screws with moderate pressure.

FLASH CABLES & ACCESSORIES

Cables and accessories are updated continuously. Please consult our website www.qtm.com, your dealer, or Quantum directly for the latest availability.

“C” type Flash Cables for flash power – extend to 6’ (2m):

All Flash Cables power flashes with Turbo, Turbo Z, Turbo 2×2, Turbo C, and Turbo SC.

C od e	Brand	Compatible Models
C A	Armatar H oneywell	LR200HD, LR300HD, M200, M300
C B	Armatar H oneywell	710, 780, 780S, 810, 890, 890S, 892, 892S
C K	Nikon	SB11, 24, 25, 26, 27, 28-US
C K E	Nikon	SB28 (EURO), SB28D, SB28DX, SB800, SB80DX

C od e	Brand	Compatible Models
C L3	Contax Minolta	TLA 360
C L4	Minolta	360PX
C L5	Minolta	4000AF
C M 1	Metz	45CT-1, 5
C M 4	Metz	45CL1,3,4, 45CT3,4; Hasselblad 4504
C M 5+	Metz	50MZ-5, 54MZ-3 54MZ-4, 70MZ4, 70MZ5
C N 3	Vivitar	3900, National PE381SG, Pentax AF500FTZ
C O 3	Olympus	T32, T45
C S4	Sunpak	120J AUTO PRO TTL, 30DX, 30SR, 36DX, 36FD, 383, 4000AF, 411S, 422D, 433AF, 433D, 444D, AP52, AUTO DX 12R, AUTO DX 8R, PZ4000AF, PZ5000AF
C S5	Sunpak	411, 4205G, 455, 511, 522, 544, 555, 611, AUTOZOOM 3600, AUTOZOOM 5000, G4500DX
C S6	Sunpak	622, 622 PRO
C V	Vivitar	283, 285HV, 3700, 4600, 5200, 5600, 600 Series 1
C Z	Armatar Canon	430EZ, 480G, 540EZ, 550EX, 580EX, MR-14EX, MT-24EX

Short “CC” type Flash Cable – for mounting Turbo SC to bracket.

Co de	Brand	Compatible Models
CC K	Nikon	SB11, 24, 25, 26, 27, 28-US
CC KE	Nikon	SB28 Euro, 28D, 28DX, 80DX, SB800
CC 4	Contax	TLA360
CC 5+	Metz	45CL1,2,3,4; 54MZ3,4; Hasselblad 4504
CC S4	Sunpak	120J AUTO PRO TTL, 30DX, 30SR, 36DX, 36FD, 4000AF, 433D, 433AF, 444D, AUTO DX 12 R, AUTO DX 8R, PZ4000AF, PZ5000AF
CC S5	Sunpak	411, 4205G, 455, 511, 522, 544, 555, 611, AUTOZOOM 3600, AUTOZOOM 5000, G4500DX
CC V	Vivitar	US versions 283, 285HV, 3700, 4600, 5200, 5600, 600 Series 1
CC Z	Armatar Canon	100, 200, 300
CC Z	Canon	430EZ, 480G, 540EZ, 550EX, 580EX, MR-14EX, MT-24EX

Additional charges for fast charging:

Code	Region
TCRUS	USA, Canada, Japan
TRACE	Euro countries
TCRUK	UK
TCRA	Australia, New Zealand

Miscellaneous Accessories:

Code	Description
QT48	Dual connector for powering two flashes
QT49	10' (3m) extension for flash cables
QBC	Mounting Clamp for light stand/tripod mount
QMC	Multi clip
ES1	for Viv 285HV;Metz 45CL1,3,4 & 45CT 3,4;Hasselblad 4504
ES2	for Canon 430EZ, 540EZ, Nikon SB24, SB25

CUSTOMER SERVICE

Have any trouble in using your Quantum product? We are here to help. Mail, call, fax, or email our Service Department:

Service Department

Quantum Instruments Inc. 10 Commerce Drive, Hauppauge, NY 11788

- **Tel:** 631 656 7400
- **Fax:** 631 656 7410
- www.qtm.com

Troubleshooting tips are available at www.qtm.com, Support, Customer Support, FAQ. If you suspect a malfunction or require adjustment, return the unit to us with an accurate description of the problem. Please be sure your problem is not caused by improper operating procedures or malfunctions in your other equipment. Send all equipment carefully packaged and insured to our address above. An estimate of repair cost on out-of-warranty merchandise may be for-warded if you desire. This will require that we contact you for approval before proceeding and will delay the return of your equipment. For the fastest repair time, you may pre-approve repairs up to a limit of \$85 with your credit card. We will bill you only for actual costs up to that limit. If repair costs exceed your pre-approval, we will contact you. Paying by check will delay the repair until the check clears (up to 15 days). Payment by money order is acceptable. Normal repair time is 10-15 days. For expedited service, contact our Service Department.

Summary:

- Ship via UPS, Parcel Post, or other carrier, insured.
- Give a clear, detailed description of the problem.
- Give your mailing address and daytime phone number, fax #, and/or email.
- For warranty repairs include a copy of the receipt.

In addition, for out-of-warranty repairs with pre-approval:

- Provide your Visa, MasterCard, or American Express card # and expiration date.
- Give us the authority to charge repair costs up to \$85.00.
- Provide your billing address.

Note: Please do not e-mail your credit card information

LIMITED WARRANTY

Quantum products have a 1-year limited warranty. Please refer to the Limited Warranty card for complete details, conditions, and terms.

FREQUENTLY ASKED QUESTIONS

What is the Quantum Turbo SC Camera Flash Battery?

The Quantum Turbo SC is a camera flash battery designed to provide reliable and fast power for professional

photographers. It is compatible with various camera flash units, enhancing the performance and recycling times of the flashes.

What type of battery does the Quantum Turbo SC use?

The Quantum Turbo SC typically uses a rechargeable lithium-ion battery. This type of battery is known for its high energy density and long life, providing photographers with a reliable power source for their camera flashes.

Is the Quantum Turbo SC compatible with specific camera flash brands?

Yes, the Quantum Turbo SC is designed to be compatible with various camera flash brands. However, users should check the product specifications or consult the manufacturer to ensure compatibility with their specific camera flash model.

What is the capacity of the Quantum Turbo SC battery?

The capacity of the Quantum Turbo SC battery is specified in the product documentation. It indicates the amount of energy the battery can store and is important for determining the runtime and performance of the camera flash.

How long does it take to recharge the Quantum Turbo SC battery?

The recharge time for the Quantum Turbo SC battery may vary. Users should refer to the product specifications or documentation for information on the charging time. Fast charging features may contribute to quicker recharge times.

Is the Quantum Turbo SC battery user-replaceable?

The replaceability of the Quantum Turbo SC battery may depend on the specific design. Users should refer to the product documentation to determine whether the battery can be easily replaced by the user or if it requires professional service.

Can the Quantum Turbo SC be used with multiple flashes simultaneously?

Yes, the Quantum Turbo SC is often designed to power multiple camera flashes simultaneously. This capability is useful for photographers who use multiple flash units in their setups, providing consistent and fast power to each flash.

What safety features does the Quantum Turbo SC battery have?

The Quantum Turbo SC battery may include safety features such as overcharge protection and thermal protection to ensure safe and reliable operation. Users should check the product documentation for information on safety features.

Is the Quantum Turbo SC compatible with both studio and on-location photography?

Yes, the Quantum Turbo SC is versatile and suitable for both studio and on-location photography. Its portable design allows photographers to use it in various settings, providing consistent power for flash units in different shooting environments.

What is the weight and dimensions of the Quantum Turbo SC?

The weight and dimensions of the Quantum Turbo SC are specified in the product documentation. These details are important for photographers who value portability and need to consider the overall weight and size of their equipment.

Does the Quantum Turbo SC support high-speed sync (HSS) functionality?

High-speed sync (HSS) functionality may be supported by the Quantum Turbo SC, allowing photographers to achieve faster shutter speeds with compatible camera and flash systems. Users should check the product specifications for details on HSS compatibility.

What is the expected lifespan of the Quantum Turbo SC battery?

The expected lifespan of the Quantum Turbo SC battery depends on factors such as usage patterns and recharge cycles. Users should refer to the product documentation for information on the battery's lifespan and any recommended maintenance practices.

Is the Quantum Turbo SC compatible with specific camera models?

The Quantum Turbo SC is generally designed to be compatible with a wide range of camera models. However, users should check the product specifications or consult the manufacturer to ensure compatibility with their specific camera model.

Can the Quantum Turbo SC be used with other electronic devices?

While the Quantum Turbo SC is primarily designed for powering camera flashes, it may have applications with other electronic devices that require compatible power sources. Users should check the product documentation for information on device compatibility.

Is the Quantum Turbo SC airline-safe for travel?

The airline safety of the Quantum Turbo SC may vary depending on airline regulations and restrictions. Users planning to travel with the battery should check with the respective airlines for their specific guidelines on carrying camera batteries.

What is the warranty coverage for the Quantum Turbo SC?

The warranty typically range from 1 year to 2 years.

DOWNLOAD THE PDF LINK: [Quantum Turbo SC Camera Flash Battery Operating Instructions](#)

References

- [User Manual](#)