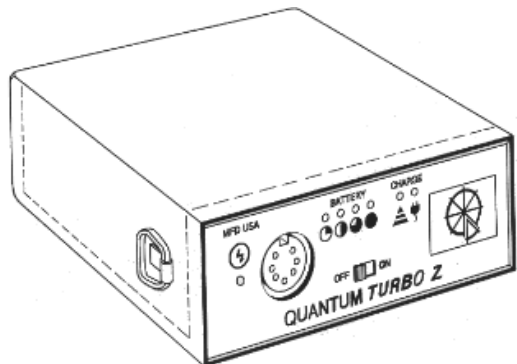


QUANTUM TURBO Z

OPERATING INSTRUCTIONS

INTRODUCTION



Attention Turbo owners:

The Turbo Z is a unique power pack and has operating instructions different from your Turbo Battery. For maximum capacity from your Turbo Z recharge the night before the next use.

WARNINGS!

- Do not disassemble the Turbo Z. High voltage!
- Return defective equipment only to dealers, distributors, or Quantum.
- Do not exceed flash's maximum consecutive, full-power flashes (see your flash instructions)!, or else 36 flashes. Then, rest flash until it cools. (Note: There is no limit for Qflash.)
- The Turbo Z will not work with Fast Charger QT47 or automobile charger QT46.

CHARGING

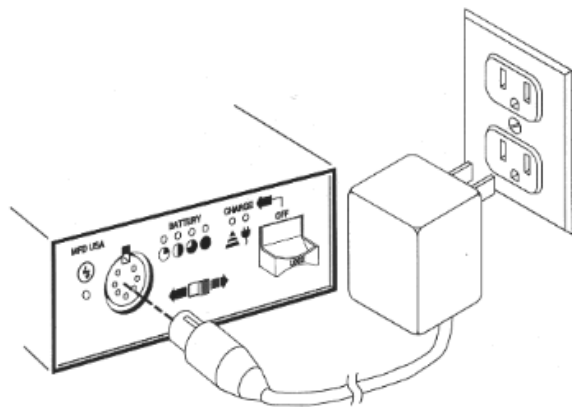




Fig. A

- Turn power **switch OFF** before connecting charger to Turbo Z. Turbo Z will undergo a brief self check. (fig. A)
- Charge Status light  will be on steadily.
- Green and Red Battery indicators display the charge progress (battery "fuel gauge") (fig. B)
- When charge is complete the Charge Status light  will be off.
- Charge time is approximately 3-4 hours. Charge no longer than 72 hours.

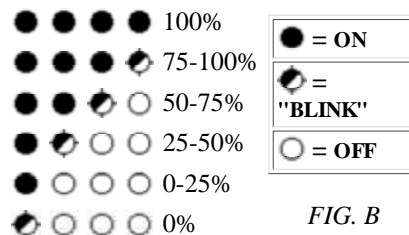


FIG. B

IMPORTANT: Initial Charging for Quantum Turbo Z:

Turbo Z may not provide full capacity when you initially use it. After a few charge/discharge cycles the capacity will reach full potential. To bring the capacity of Turbo Z to full more quickly, do the following procedure **ONCE** before your first use:

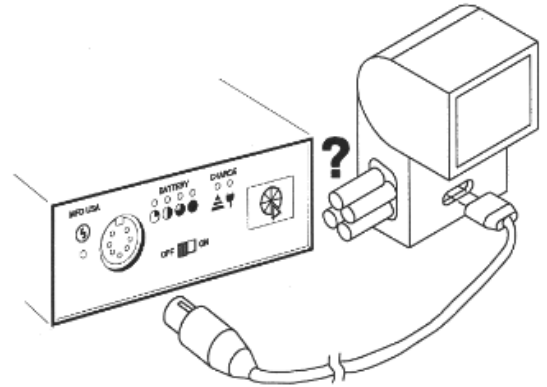
1. Plug a Turbo cord into the Turbo Z. Turn ON. Unplug the Turbo cord and leave the Turbo Z ON.
2. Leaving Turbo Z ON, plug in the charger. After a few seconds, the battery "fuel gauge" will light sequentially, indicating the recondition charging mode.
3. Later the Turbo Z will switch to regular charging. When the capacity indicates full, the charge is complete.

Whenever you anticipate using Turbo Z, charge it the night before (or just before use), to obtain maximum performance.



Occasionally you may need to recondition the battery. See the section below "**Recondition Battery**" for the procedure.

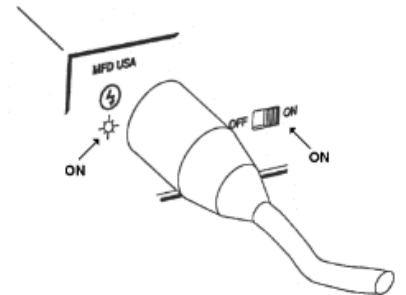
CONNECTING TURBO Z TO A FLASH UNIT

- **Warning! Never put metal objects near the Turbo connector. Keep children away.**
- Switch Turbo Z off.
- Connect flash with correct Turbo Cable. When removing flash from Turbo Z, first switch Turbo Z OFF.
- **Warning!** Turbo Z is powerful! Do not exceed flash's maximum consecutive, full-power flashes (see your flash instructions)!, or else 36 flashes. Then, rest flash until it cools. (Note: There is no limit for Qflash.)
- Check the Turbo Cable instructions. Your flash may need batteries for the flash's "computer" circuits. (Note: Qflash does not require batteries.)






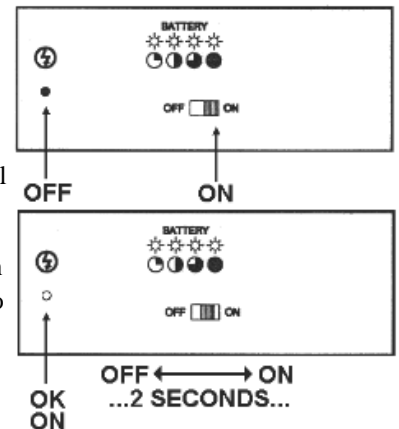
OPERATING INSTRUCTIONS

- Switch ON. Turbo Z will go through a brief self check.
- With Turbo Cable connected, and then Turbo Z turned ON, the High Voltage light  turns on.
- If Cable is unplugged from Turbo Z or flash, High Voltage light  will turn off. To restart, turn Turbo Z off, plug in Cable, then turn Turbo Z on again.
- Green and Red Lights show battery capacity remaining- battery "fuel gauge."
- **Turbo Z should be recharged the night before your next assignment.**



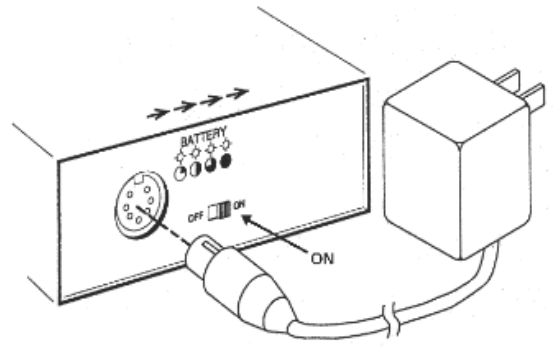
FEATURES

- **Low Battery Shutdown.** When the battery is near 0% capacity the high voltage will shut down automatically. The red light will blink slowly. Turbo must be recharged at this point.
- **High Voltage Indicator .** When lit, flash is recycling. When flashing, flash is ready.
- **High Voltage Shutdown.** When the flash unit is disconnected from Turbo Z, or the cable is broken, the high voltage will shut down automatically. The high voltage indicator  will go out. The battery "fuel gauge" will blink three times and rest for 2 seconds. Check the cable connection or replace the cable.
- **Restart.** If the high voltage is shut down, turn Turbo switch OFF, wait 2 seconds, and turn ON again. High voltage light  will turn on. If not, check that Turbo Cable is plugged into Turbo Z and that it is adequately charged.
- **Storage.** When Turbo Z is stored for a while, charge it the night before the next use.



- **Recondition Battery.** If the battery capacity drops significantly, the battery needs to be reconditioned as follows:

1. Turn the power switch ON before plugging in the charger.
2. Plug the charger into the Turbo Z. The battery "fuel gauge" will light sequentially, indicating the recondition mode.
3. After reconditioning Turbo Z will switch automatically to charging mode.
4. For fastest results use the recondition mode after using all the battery capacity. Otherwise reconditioning will take much longer.
5. The recondition mode can be switched to charging mode manually by switching the power switch to OFF but cannot be switched back to recondition mode.



- **Battery cell replacement.** The rechargeable cells of Turbo Z have a long life but eventually may require replacement. Contact your dealer, distributor, or Quantum for current cost.



CONTAINS NICKEL CADMIUM BATTERY.
MUST BE RECYCLED OR DISPOSED OF PROPERLY.

DO NOT PLACE USED BATTERIES IN YOUR REGULAR TRASH!

FOR RECYCLE LOCATION NEAREST YOU CALL TOLL FREE 1-800-8-BATTERY.