

User's Guide

VST Charger



VST Charger

Compatibility

Model	Batteries supported	Battery Type
SCHG3	PowerBook G3 Series only	Li-Ion
SCH3400	PowerBook 3400	Li-Ion
	PowerBook 3500, G3	Li-Ion
	PowerBook 5300	NiMH
	PowerBook 190	NiMH
SCH1400	PowerBook 1400 only	NiMH
SCH5000	PowerBook 5300	Li-Ion, NiMH
	PowerBook 190	NiMH
SCH500	PowerBook 500	NiMH

For the Charger 500

Charging Modes:

Yellow: The yellow light remains on during all charge phases. The charger charges one battery at a time, indicated by a solid yellow light. If two batteries are inserted, a flashing yellow light will indicate which battery is waiting to charge. When the battery is fully charged, the yellow light flashes with all four green lights remaining on continuously.

Green: The four green lights indicate percentage charged.

Red: A red light indicates a battery error.

Conditioning:

Conditioning takes slightly longer than just charging and is required occasionally to eliminate the memory effect. Conditioning completely discharges the battery and then fully charges it. The most efficient way to condition the battery is to remove the empty or nearly empty battery from the PowerBook, insert it in the Charger and press the conditioning button. When the button is depressed, the red light will go on and the yellow charging light will go off. If the battery is more than 25% charged when placed in the Charger, the user will need to press the conditioning button for about three seconds to initiate the discharge process.

Recalibration:

Note: Recalibration includes a conditioning cycle.

Recalibration is recommended approximately once per month and includes a conditioning cycle. Recalibration takes longer than charging and conditioning alone. To recalibrate a battery, insert it into the Charger and wait until it is fully charged (all four green lights will be on and the yellow light will be flashing), then press and hold the button for approximately three seconds. The red light will come on and the other lights will go off. Do not disturb the battery and Charger during the recalibration process. The recalibration process takes about 4-4.5 hours per battery.

VST Charger

Getting Started

1. Place the Charger on a flat, stable surface, making sure the vents are free and clear. Plug the Apple® AC adapter into the back of the charger. Once plugged in, the charger's LED(s) will light sequentially, then flash on/off. This is a self test to verify the charger is functioning properly.
2. Insert one or two batteries into the slots.
3. The colors (yellow, green and red) of the LED(s) indicate the charging modes.

Note: Spare batteries should be left in the charger when not in use. The charger will keep the batteries fully charged and ready for use.

Charging Modes

For the PowerBook G3 Series Charger,

If you are unable to differentiate the colors, each charging mode also has a unique flashing sequence, indicated in parenthesis, that lets you know the status of your battery.

Yellow: The charger charges one battery at a time, indicated by a solid yellow light. If two batteries are inserted, a flashing yellow light will indicate which battery is waiting to charge.

Green: A green light (quick flash) indicates a battery is fully charged.

Red: A red light (two quick flashes) indicates a battery error.

For the Charger 3400, Charger 1400 and Charger 5300,

Yellow: The yellow light remains on during all charge phases. The charger charges one battery at a time, indicated by a solid yellow light. If two batteries are inserted, a flashing yellow light will indicate which battery is waiting to charge. When the battery is fully charged, the yellow light flashes with the green light remaining on continuously.

Green: A green light indicates a battery is fully charged.

Red: A red light indicates a battery error.

Limited Warranty

VST Technologies, Inc. warrants its products to be free of defects in material and workmanship under normal use and service for a period of 1 year from the date of purchase. During this period, VST Technologies, Inc. will, at its option, repair or replace the products at no charge for parts or labor when the products are returned postage paid. All returns require a Return Merchandise Authorization (RMA) number, a dated proof of purchase and a letter explaining the problem. VST Technologies, Inc. will not be responsible for items returned without an RMA or improperly packaged. Before returns are made, contact Technical Support at (978) 635-8200, 125 Nagog Park, Acton, MA 01720 or email us at support@vsttech.com. This warranty does not apply if the products have been altered, disassembled, or subjected to abuse, accidental damage, or misuse. This warranty excludes incidental or consequential damage resulting from the use of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above information may not apply. This warranty is in lieu of all other warranties expressed or implied and no person is authorized to assume for VST Technologies, Inc. any other liability in connection with this product. Any implied warranty of merchantability or fitness for a particular purpose is limited to the duration of the above warranties. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

Electronic Compliance

Federal Communications Commission

Verified to comply with FCC Rules for Radiated and Conducted Emission, Part 15, Subpart B, for Class B Equipment.

EC-EMC Declaration of Conformity

We VST Technologies
125 Nagog Park
Acton, MA 01720

declare under sole responsibility that the Charger model numbers SCHG3, SCHG303, SCH3400, SCH3403, BAT1402, BAT1403, SCH5000 & SCH1000 to which this declaration relates, meet the essential requirements and are in conformity with the relevant EC Directives listed below using the relevant section following EC standards and other normative documents:

- EU EMC Directive 89/336/EEC
- Essential health and safety requirements relating to electromagnetic compatibility
- EN 55022 (1987) Class B
- Limits and methods of measurements of Radio interference characteristics of information technology equipment
- IEC 801-2 (1991)
- Electrostatic discharge requirements for industrial process measurement and control equipment
- EC 801-3 (1984)
- Radiated electromagnetic field requirements for industrial process measurement and control equipment
- IEC 801-4 (1988)
- Electrical fast transients for industrial process measurement and control equipment
- EN 50082-1 (1992)
- EC generic immunity requirements, category A&B
- The CE marking has been affixed on the device according to article 10 of the EC Directive 89/336/EEC.

Place MASSACHUSETTS FRANCE Signature [Signature]
Date 19. Sept. 1998 Full Name [Signature]



VST Technologies, Inc., 125 Nagog Park, Acton, Massachusetts 01720
VST's Technical Support
home page www.vsttech.com
email support@vsttech.com
phone (978) 635-8282
fax (978) 635-8283