

Instruction manual for the SwissCharger P1

Dear customer,

congratulations on your purchase of the SwissCharger P1 for rechargeable batteries. It is one of the safest and most advanced battery chargers on the international market. This high-tech charger is equipped with multiple monitoring- and evaluation microprocessors providing maximum efficiency and operational safety. All tasks run fully automated and don't require any supervision.

Function overview

LCD (liquid crystal display) readout ②

Cigarette lighter adapter ⑤

④ Power adapter 100-240V

③ USB connection cable

① Charging slot suits 1-4 standard rechargeable batteries of the types AA Mignon and AAA Micro

Safety instructions

- The P1 charging device is intended for indoor use only.
- Keep the charger away from damp, dirt, dust, dissolvers, vapor, varying and extreme temperatures and protect it against impacts and dropping.
- Never try to open the P1 enclosure for any reason. In case of malfunction please contact qualified service personnel.

Putting into service

- Please plug the USB connection cable ③ into the power adapter ④, the cigarette lighter adapter ⑤ or the USB interface of your computer.
- The power adapter automatically adjusts itself to any voltages and frequencies used worldwide.

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Charging process

- Please insert the required number of rechargeable batteries into the charging slot ①.
- Charging is started automatically after the batteries are inserted
- Each charging slot is monitored separately by the microprocessor. Thus you can easily charge accumulators of different sizes, capacities, brands and distinct states of charge at the same time.
- Charging time: the SIStech's recently developed, novel charging and evaluation technology based on PVD (Peak Voltage Detection) combined with PWM (Pulse Width Modulation) aims to ensure 100% recharged batteries without the typical warming-up effect. The intelligent, microprocessor-controlled charging pulses constantly maintain the full, initial battery capacity and significantly extend the operational lifespan of the battery. This new charging method goes easy on the batteries and usually takes up to several hours depending on the capacity of the battery.
- After detecting fully charged batteries, the P1 charger automatically turns the charging process to the safe mode of ultra-short power pulse trickle charging. Therefore it's absolutely trouble-free and harmless to leave the batteries in the charger for an unlimited period of time.

LCD (liquid crystal display) readout ②

The backlit LCD readout constantly presents the operational status values as measured by the microprocessor controlled sensor:



- The bottom-up flashing sections of the battery icon show the on-going charging process as well as the state of charge of each individually inserted battery.
- The completion of the charging is indicated by the display output of a whole, not flashing battery icon
- **ALERT** - the flashing outline of a blank battery icon indicates a halted charging process (for instance due to detection of a damaged accumulator or a not rechargeable, that is disposable battery).

Technical specifications

Input voltage	100 - 240 volt / 50 - 60 Hz, 12 - 24 volt, 5 volt USB
Charging current	PWM (Pulse Width Modulation) 100-500mA
Usable battery types	NiMH / NiCD (Nickel Metal Hydride / Nickel-Cadmium battery)
Operating temperature range	0 - 45 °C
Measurements	95 x 72 x 24mm
Weight	58 gr.
Equipped with automatic charging, temperature control, short circuit protection, reverse pole protection, automatic detection of disposable or damaged batteries	