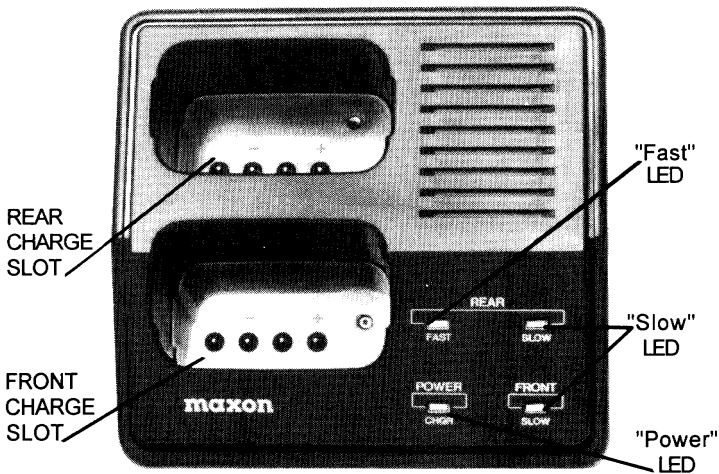


maxon[®]

**SA-1125
Dual Unit Desktop
Charger**

USER MANUAL



**NEVER INSERT A RADIO INTO THE CHARGER
WITHOUT A BATTERY INSTALLED**

SA-1125 CHARGER "TOP VIEW"

Rear Charge Slot: For FAST charging of SP-2000 Series Radio with battery or independent charging of SA-1155, SA-1160, SA-1165 or SA-1170 Batteries.

Front Charge Slot: For SLOW charging of SP-2000 Series Radio with battery or independent charging of SA-1155, SA-1160, SA-1165 or SA-1170 Batteries.

"Fast" LED: Flashes when SP-2000 Series Radio or battery is inserted into the rear charge slot.

"Slow" LED: (Rear charge slot) Will illuminate when "Fast" charge is complete, or fully charged battery is inserted.

"Slow" LED: (Front charge slot) Will illuminate when the SP-2000 Series Radio or battery is inserted.

"Power" LED: Indicates AC power is supplied to the charger.

SA-1125 OPERATION

THIS MANUAL CONTAINS IMPORTANT OPERATION AND SAFETY INSTRUCTIONS FOR THE MAXON MODEL SA-1125 BATTERY CHARGER.

Before using the battery charger, read all instructions and cautionary markings on the battery charger, battery and the product using the battery.

Front Charge Slot: For SLOW charging - Insert a battery (with or without a radio) into the front charge slot. Polarity of battery in charger must be correct, or no charging will occur. The green LED marked "Front Slow" will light, indicating the charger has entered the "Slow Constant" charge mode. The "Slow Constant" charge mode of the front slot will charge the battery with a current of approximately 50 mA. The SA-1155 Battery will take approximately 14 hours to fully charge. The SA-1160, SA-1165 and SA-1170 Batteries will take approximately 20 hours to charge, (depending on the initial charge of the battery).

Rear Charge Slot: Insert a battery (with or without a radio) into the rear charge slot. Polarity of battery in charger must be correct, or no charging will occur.

SA-1125 OPERATION, Continued

The green LED marked "Rear Fast" will light briefly, indicating that the charger is sensing the voltage of the battery and determining which mode will be selected to charge the battery. The mode selected will either be the "Fast Pulse" charge (shown by the "Rear Fast" LED flashing green), or the "Slow Constant" charge (shown by the "Rear Slow" LED being constantly red).

After the initial charge mode has been determined, the SA-1125 will use three items to sense the charging state of the battery. These items are "Temperature", "Time" and "Voltage".

First, the charger will determine the temperature. If the battery is very cold, the SA-1125 will "Trickle" charge the battery without any visual indications until the temperature rises. The battery will then go into the appropriate mode determined by the voltage.

If the battery overheats, the temperature-sensing thermistor will open. All current entering the battery will stop and the visual indicators (except for the "Power" LED) will go "Off".

SA-1125 OPERATION, Continued

Second, the charging time will be measured and if the predetermined time expires, the charge will "time out" and change to a "Trickle" charge. The "Time Out" mode is shown by the "Rear Fast" LED changing from a flashing green to a constant green. The charger will remain in the "Trickle" charge mode indefinitely.

The voltage will be measured and used to determine at what point the charger will switch from a "Fast Pulse" charge to a "Slow Constant" charge. When a battery is inserted with a very low charge, the charger will go into a "Trickle" charge mode without any visual indications. After a minimum voltage is achieved, the unit will then go into the "Fast Pulse" mode. In this charge mode, the SA-1155 Battery will take approximately 1 hour to fully charge. The SA-1160, SA-1165, and SA-1170 Batteries will take approximately 1.8 hours, (depending on the initial charge of the battery).

When you place a battery in the rear charge slot that is more than 95% charged, the red "Slow" LED will turn "On" and the green "Fast" LED will not illuminate.

SA-1125 OPERATION, Continued

The "Fast Pulse" charge mode will turn into a "Trickle" charge mode, and the battery will be maintained at full charge, provided the radio is turned "Off". The "Slow" LED is turned on continuously, and may turn off (only momentarily) every 34 seconds by the trickle-charging current. If the battery is charged to 100% of its capacity, the "Fast" LED will turn "Off", and the "Slow" LED will illuminate.

IMPORTANT SAFETY INSTRUCTIONS

To reduce risk of injury, charge only Maxon SA-1155, SA-1160, SA-1165, or SA-1170 rechargeable Batteries in this charger. Other types of batteries may burst, causing personal injury and/or damage to the charger.

- Do not expose the charger to rain or snow.
- Use of an attachment not recommended or sold by MAXON AMERICA, INC. may result in a risk of fire, electrical shock or personal injury.
- To reduce risk of damage to the electric plug and cord,

SAFETY INSTRUCTIONS, Continued

pull by the plug, rather than the cord, when disconnecting the charger.

- Make sure the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

NOTE - An extension cord should not be used unless absolutely necessary. The use of an improper extension cord could result in a risk of fire, electrical shock or personal injury.

If an extension cord must be used, these precautions need to be followed:

- The pins on the plug of the extension cord are the same number, size and shape as those of the plug on the charger.
- The extension cord is properly wired and in good electrical condition.
- The wire size is AWG size 16 or larger.
- Do not operate charger with a damaged cord or plug; replace them immediately.

SAFETY INSTRUCTIONS, Continued

- Do not operate charger if it has received a sharp blow, been dropped or damaged in any other way. If you are not sure of this, then it needs to be inspected by a qualified serviceman.
- Do not disassemble the charger. Take it to a qualified serviceman when service or repair is required. Incorrect re-assembly may result in a risk of fire, electrical shock or personal injury.
- To reduce risk of electrical shock, unplug charger from the AC outlet before attempting any maintenance or cleaning.

NOTE - Turning "Off" radio controls will not reduce this risk.

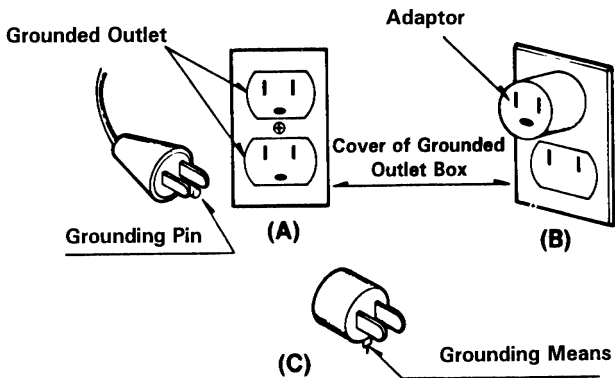
- **NEVER** insert a radio into the charger without a battery installed. The higher voltage of the charger can damage the circuitry of the radio.

DANGER

NEVER alter the AC cord or plug provided. If it will not fit the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in a risk of electrical shock. This battery charger is for use on a nominal 120 volt circuit, and has a grounding plug which looks like the plug illustrated in Diagram "A".

A temporary adaptor, which looks like the one illustrated in Diagrams "B" and "C", may be used to connect this plug to a two-pole receptacle as shown in Diagram "B", if a properly grounded outlet is installed by a qualified electrician.

NOTE: Before using an adapter as illustrated, be certain that the center screw of the outlet plate is grounded. The green colored rigid ear or plug extending from the adapter must be connected to a properly grounded outlet. If necessary, replace original outlet, cover plate and make ground connection to a grounded outlet.



WARNING

The SA-1125 Charger should be grounded to reduce risk of electrical shock. The charger is equipped with an electrical cord having an equipment-grounding conductor and grounding plug. This plug must be inserted into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

maxon[®]

**Maxon America, Inc.
10828 NW Air World Drive
Kansas City, Missouri 64153
816 / 891-6320
Fax: 816 / 891-8815**

Printed in Korea
Part No.: 936733AA