

# StarCharger



User Manual

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## welcome to rechargeable hearing!

Rechargeable hearing instruments offer a significant improvement in convenience.

The StarCharger system provides a full day of performance, with the ability to recharge using electrical power from an AC outlet, your automobile, or the system's own battery power. It will fully and

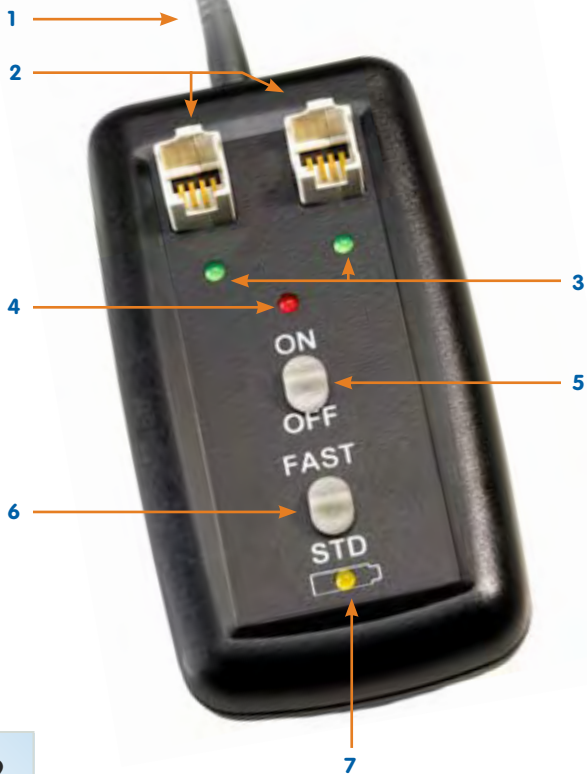


independently recharge two separate instruments within eight hours, or provide a faster, partial charge in one hour.

Instruments can be placed in the charger anytime they are not in use, regardless of whether they are fully discharged or not. After charging, they may remain in the charger for as long as needed without harm.

## identification

Before operating the charger, it is suggested that you become familiar with the location of the charger's features and controls.





- 1 = CONNECTION PLUG FROM POWER ADAPTER
- 2 = HEARING INSTRUMENT CHARGING SOCKETS
- 3 = CHARGING INDICATOR LIGHTS
- 4 = POWER INDICATOR LIGHT
- 5 = POWER SWITCH
- 6 = CHARGING MODE SWITCH
- 7 = CHARGER LOW BATTERY INDICATOR LIGHT
- 8 = CHARGER BATTERY COMPARTMENT ACCESS PANEL
- 9 = AC POWER ADAPTER OUTLET PLUG
- 10 = AUTOMOBILE POWER ADAPTER CABLE

## the charger and electrical power

The charger can be operated using one of three power sources: 1) AC from a 110-120 volt, 60 Hz electrical outlet, 2) an automobile's cigarette lighter or accessories outlet, or 3) the charger's own AAA batteries.



For best results, it is recommended that AC power from an electrical outlet be used whenever possible.

Because of the specific voltage requirements, only the AC power adapter

included with the charger should be used.

**Use of another AC power adapter can damage the Charger.**

In countries where other voltages and plug styles are used, the charger can be powered with the power adapter and an appropriate international plug adapter. Be sure the adapter provides the correct voltage conversion.

## the charger and electrical power

To use electrical power, first connect the AC power adapter plug into the jack at the top end of the charger.



Then plug the AC power adapter into an active electrical outlet.

Once both ends are connected correctly, turn the charger on by moving the ON/OFF switch to the ON position. The red light above the switch will illuminate when the charger is receiving power.



## the charger and automobile power



The charger can also be powered from an automobile's cigarette lighter or accessory power outlet using the separate automobile power adapter cable.

To power the charger this way, first plug the automobile power adapter plug into the jack at the top end of the charger.



Then plug the larger end of the automobile power adapter into the auto's outlet. The green light on the end of the large plug will illuminate when the outlet is supplying power. Turn the charger on by moving the Charger's ON/OFF switch to the ON position. The red light above the switch will illuminate when the charger is receiving power.

## the charger and battery power

The charger can also operate using two AAA batteries.

To use internal battery power, make sure two new alkaline or lithium size AAA (LR03) bat-



teries are correctly inserted in the charger's rear battery compartment. Close the compartment cover securely and turn the Charger on by moving the charger's ON/OFF switch to the ON position. The red light above the switch will illuminate when the charger is receiving power.

The use of internal battery power is recommended only when electrical or automotive power sources are not avail-



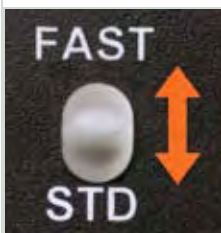
able. One complete Standard (STD) charge for a pair of hearing aids will usually consume the entire AAA batteries' capacity. When the AAA cells are nearly exhausted, the low battery indicator light located below the charging mode switch will illuminate.

## preparing to charge instruments

Once the proper power source has been selected and the ON/OFF switch is turned ON, one of two charging modes may be selected.

The **STANDARD (STD)** mode will fully charge hearing instruments within eight hours. It is the preferred setting for daily overnight charging or when the instruments will not be worn for an extended period of time.

The **FAST** mode will provide a rapid charge in about an hour. This will provide approximately six hours of usage. It is best used when your instruments' power is unexpectedly depleted or if they are not fully charged. **The FAST mode should NOT be used for overnight charging.**



To select the charging mode, slide the switch up for a FAST charge, or down for a STANDARD (STD) charge.

## inserting instruments into the charger

**Before charging, be sure that your hearing instruments are turned OFF to ensure a full charge.**



With the charger's power indicator light illuminated, insert one or two instruments straight down into the charging sockets.

The hearing instruments' ON/OFF switch should be situated in the opening between the socket walls.

## charging hearing instruments



When the instruments are inserted correctly, the green charging lights will illuminate, indicating that charging has begun.

If the charging lights begin flashing upon insertion, the instruments are not positioned correctly. Remove the instruments, wait a few seconds and reinsert. If the problem persists, refer to the troubleshooting section on page 16.

Charging is complete once the charging lights are no longer illuminated.

If necessary, the hearing instruments may be removed and used without harm even if the charging light is still illuminated and a full charge has not been completed. **DO NOT CHANGE CHARGER SWITCHES OR PLUG/UNPLUG THE CHARGER DURING CHARGING.**

## removing instruments from the charger

To remove from the charger, hold the hearing instrument by its outer case and gently pull slightly back and away, toward the charging indicators and away from the power jack.



**DO NOT PULL THE INSTRUMENT STRAIGHT UP FROM THE CHARGER.** This may cause damage to the charger.

Once the instruments are removed, turn the charger's power switch to OFF.

## charger storage



Because you are likely to use the charger on a daily basis, you can keep it plugged in with power switch turned OFF. It should be kept in a convenient location away from direct sunlight, heat, moisture, excess debris, as well as out of the reach of children.

If the charger and its cables will not be used for an extended period, remove the AAA batteries and store it in a cool, dry place away from heat and moisture.

Under normal use, the charger requires no special care other than replacement of the AAA batteries as needed. The charger's outer surfaces can be wiped with a soft dry cloth. Do not use any type of oil, polish, or solvent.

Over an extended period of time, it may be necessary to clean the contacts on the hearing instruments and inside the charging sockets.

To do this, first turn off the charger and unplug it from the AC electrical outlet or automobile outlet. Using a cotton swab dipped in a small amount of rubbing alcohol, carefully wipe the metal contacts. Do not use too much alcohol and quickly wipe up any excess liquid.

## troubleshooting guide

The following guide is intended to help you resolve problems regarding the operation of the charger. Any questions and continuing problems should be referred to your Hearing Professional.

### **Problem:**

Instruments don't last a full day per charge

### **Possible Causes:**

- Did charger have power during entire charging period?
- Were correct lights illuminated?
- Were instruments correctly inserted?
- Were instruments turned OFF during charging?
- Was there any accessory attached during usage?
- Was the charge mode switch set at STD?

### **Problem:**

Charger doesn't work when plugged into an AC electrical outlet

### **Possible Causes:**

- Power switch turned on?
- Is AC power adapter fully plugged into the wall outlet and charger?
- Is the AC wall outlet providing electricity?

**Problem:**

Charger doesn't work when plugged into an automobile lighter or accessories outlet

**Possible Causes:**

- Power switch turned on?
- Is auto power adapter cable correctly plugged into the auto outlet and charger?
- Is there power to the auto outlet?
- Does the ignition need to be turned on?

**Problem:**

Charger doesn't work with internal AAA batteries

**Possible Causes:**

- Power switch turned on?
- Are the batteries inserted correctly?
- Are the batteries new?

**Problem:**

Charger doesn't run long enough on batteries

**Possible Causes:**

- Were the batteries new?
- Are the batteries alkaline or lithium?

### **Problem:**

Green charging lights flash when instruments are first inserted

### **Possible Solutions:**

- If the instrument HAS NOT been used at all since the previous charge(s), this may indicate a fully charged state. Try operating the instrument without attempting another charge.
- If the instrument HAS been used since the previous charge(s), remove the instrument from the charging socket, wait a few seconds, and reinsert.
- Make sure the hearing instruments were not in the charging sockets when any of the charger's switches were changed, or power adapter was plugged/unplugged. If so, remove the instrument from the charging socket, wait a few seconds, and reinsert.
- If repeated attempts to insert the instrument continue to result in flashing charging lights, clean the instrument and charging contacts as described on page 13.
- If the flashing continues, bring the charger and your hearing instruments to your Hearing Professional.





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