

- \* SHK Transformer
- \* Input 110/240 AC 50/60Hz 0.3A
- \* Output 5V 1A

# CL1001-NA

## ALKALINE BATTERY REFRESHER

### Product Introduction

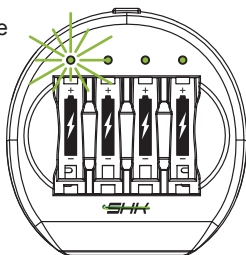
1. Help the environment, one battery at a time.  
Reduce the rate of alkaline battery disposal.



2. Specifically made to charge alkaline batteries. Fully charge a battery in 90 minutes.

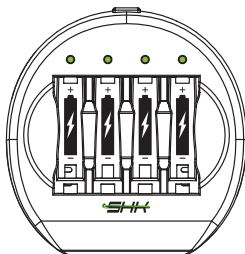


90 min.

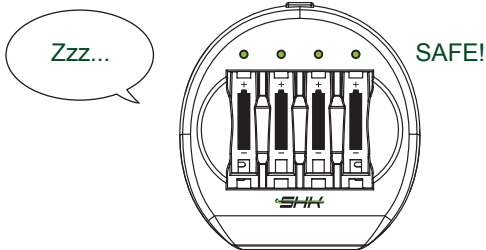


OK!

3. Safely charge single, or multiple (up to four) alkaline AA or AAA batteries of any make or manufacturer. Mix and match battery types, charging AA and AAA sized batteries at the same time.



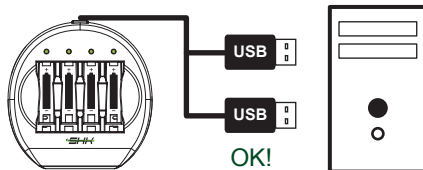
4. Actively monitors each battery for defects or damages, and will automatically stop charging if any problems occur.



5. The LEDs above the battery sockets will indicate the condition of the battery. i.e. fully charged, damaged and charging.
6. Approved and certified by CE, FCC, ETL, RoHS .



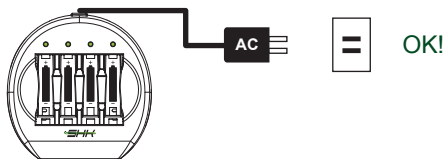
7. Compatible with charging with double USB ports (cable not included)



8. One year manufacturer's warranty

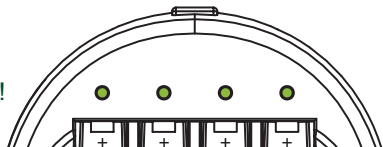
## User Guide

1. Plug one end of the supplied AC adapter into back of the SHK™ Alkaline Battery Refresher, and the other end into your wall socket.

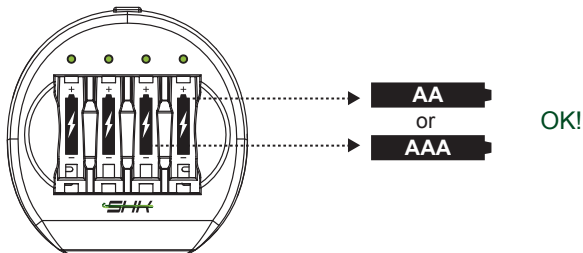


2. You will see all four LED lights turn green along the front panel of the unit. This means that your charger is powered and ready to charge your alkaline batteries.

POWERED AND READY!



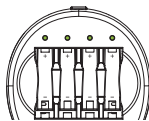
3. Place your (AA or AAA) batteries into the charger making sure that the polarity of the batteries match that of the symbols on the unit.



4. The unit will detect the state of your battery. It will not charge damaged batteries, nor will it attempt to charge batteries that can no longer be charged (past its lifespan). The four LEDs on the panel will notify you of the batteries' status.

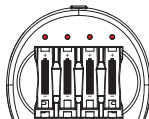
### LED Indicator Legend

- **Green** with no batteries inserted in the charging station (empty): The unit is on, and ready to charge batteries.



GREEN

- **Red** light while batteries are inserted: The unit is charging

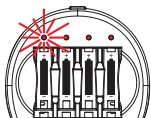


RED

CHARGING

It will take approximately 90 minutes for a battery to fully charge. A fully charged battery does not need to be removed from the device. Over time, the device will 'trickle charge' the battery, keeping it at the optimal charge level until it is ready to be used.

- **Flashing Red LED:** The battery is drained beyond its chargeable threshold, and cannot be recharged. A battery that is completely drained, or with a remaining charge of less than 0.8V cannot be recharged. It has passed its lifespan.



RED

**DRAINED**

or

**< 0.8V**

If the Green LED on the SecondWind Charger remains solid green after inserting a battery, this is an indication that the battery is not chargeable.

- **Flashing Green LED:** The battery is either brand new, or already fully charged.



GREEN

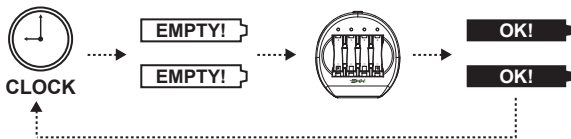
**NEW!**

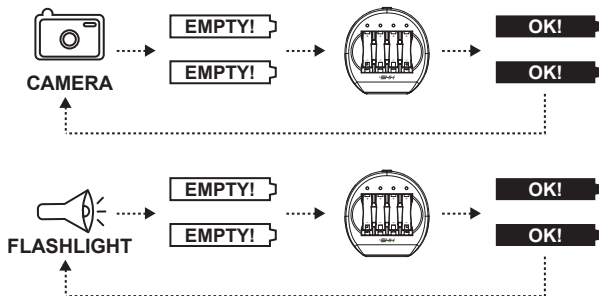
or

**FULLY!**

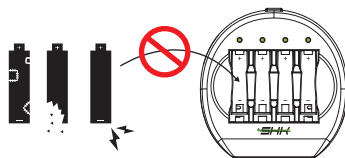
## Notes

- For best results, a battery charged by the SHK™ Alkaline Battery Refresher should be returned to the original device in which the battery was powering. This will optimize battery life-span. If the charged battery is placed in a new device that draws more power, the battery life-span may decrease.





- Batteries charged by the SHK™ Alkaline Battery Refresher should not be stored for a long period of time.



- Do not place extremely old, physically damaged, or leaky batteries into the SHK™ Alkaline Battery Refresher.



- We recommend using brand name batteries as their higher manufacturing quality will lead to a longer battery lifespan.

- The SHK™ Alkaline Battery Refresher is intended for use solely with alkaline batteries. If you are not sure what type of battery you have, or have AA/AAA batteries that are NiMH, NiCAD, or Lithium based, do NOT use them in conjunction with this product.
- The SHK™ Battery Refresher is made for indoor use only. Do not expose the charger to extreme temperatures, direct sunlight or use in the vicinity of liquid materials such as water.



- To maximize the lifespan of the batteries, please avoid using expired or leaking batteries. Given enough time, all batteries will eventually leak. Please check for leaks every time before charging a battery. If a leaking battery is found, do not attempt to charge or use the battery, and safely dispose of it

## Specification

Input power	100/240V AC 50/60Hz 0.3A
Output power	DC5V±0.2 1A
Maximun Output power	1A/ 1000mA/H
Dimensions	108 x 106 x 72mm