

Owner's Manual

Thank you for purchasing the Titanium S8 Super Smart Ni-MH Charger. Please read this manual carefully. It contains important operating instructions. This Super Smart Ni-MH Charger will quickly and efficiently charge AA or AAA Nickel Metal-Hydride (Ni-MH) batteries ONLY.

Warning:

- Charge only Ni-MH type batteries with this charger.
- Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuited.

Features:

- Recharges 1 piece to 8 pieces of AA or AAA Ni-MH batteries at a time.
- Powered by the supplied Switching Mode Adapter when using indoor or the supplied DC Car Adapter when using in a vehicle.
- Microprocessor Controlled - Batteries life protected by negative delta-V cut-off function
- Temperature sensors to avoid the battery from being damaged by over-heating
- 8 Independent channels with individual LED display for rapid charge trickle charge bad cell detection & discharge function. Red LED - rapid charge; Green LED - trickle charge; Flashing Red LED - Cells are not suitable for charging; Flashing Green LED -Cells are under discharging.

Safety Features:

- Negative delta-V cut -off function
- Safety timer to prevent over charge
- Thermal cut off
- Reverse-polarity protection
- Bad cell Detection

Charging Instructions:

1. Insert 1 to 8 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity (+ and -); according to the sign in the battery compartment.
3. **When using indoor**

Connect the supplied AC adapter's barrel plug into the jack on the back of the charger. Plug the AC adapter into household electric outlet. The switching power supply will adjust automatically, when using overseas a plug adapter (not supplied) may be required to connect to any available 100-240VAC source. Caution: The supplied AC adapter supplies 12VDC and delivers 1.7A. The plug fits into the charger's DC input jack. Using an adapter that does not meet these specifications could damage the charger or the adapter.

When using in a vehicle

Connect the supplied DC car adapter's barrel plug into the charger's DC input jack. Plug the large end of the cord into the 12VDC car power port.

4. The Red LED will glow to indicate the proper charging. After the batteries are fully charged, the red LED will turn off and the green LED will light indicating the trickle charge is on. The charged batteries are ready for use.
5. Unplug the charger and remove the batteries from the charger. Do not store batteries in the charger when not in use.
6. Begin again at *Step 1* to charge another set of batteries. It is important to install the batteries in the charger prior to connecting power to the charger.

Discharging Instructions:

1. Insert 1 to 8 pieces of AA/AAA rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity (+ and -); according to the sign in the battery compartment.
3. Connect the supplied AC adapter's barrel plug into the jack on the back of the charger. Plug the AC adapter into household electric outlet.
4. The Red LED will glow to indicate the proper charging. Press the blue discharge button to start discharging process. The RED LED will turn off and the green LED will light up and flash to indicate that the discharging process has begun.

Note: The discharge process will not function when you press the blue discharge button more than 1 min after the charging process start.

5. The green LED will remain flashing until the discharge process is individual complete for each battery. Once this process is complete, the green LED will turn off individually. After *all* the batteries have been discharged, the RED LED will automatically light up to indicate the battery start of the charging process.

NOTE: These instructions are based on those provided with the **Titanium S8 Super Smart Ni-MH Charger**; however, these are not the original instructions.

STATUS PER CHANNEL	RED LED	GREEN LED
NO BATTERY / DISCHARGING PROCESS COMPLETED	OFF	OFF
CHARGING	ON	--
FULL CHARGE	--	ON
BAD CELL DETECTED	FLASHING	--
DISCHARGING	--	FLASHING

Bad Cell Detection:

When charging process is started, the charger detects the condition of each of the cells in the battery compartment. If any battery is unsuitable for charging, i.e. short circuit or reversed polarity, the RED LED will flash. The damage cell(s) should be properly disposed of.

Specifications:

Power supply:	100-240VAC, 50/60 Hz International Compatible
Charge rate:	AA / AAA size - 700mA
Trickle charge rate:	AA / AAA size - 50mA
Discharge rate:	AA / AAA size - 300mA

Charging time:

Size	Charging Current	Ni-MH	
		Capacity (mAh)	Charging Time (minutes)
AA	700 mA	1300 mAh	120 minutes
		1600 mAh	140 minutes
		1800 mAh	160 minutes
		2000 mAh	180 minutes
		2100 mAh	190 minutes
		2300 mAh	200 minutes
		2500 mAh	210 minutes
AAA	700 mA	650 mAh	60 minutes
		700 mAh	65 minutes
		800 mAh	75 minutes
		900 mAh	85 minutes

*Charge time will vary depending upon the brand, capacity and condition of batteries being charged.

Important Safety Instructions

1. Before charging, read the instructions completely.
2. This charger is intended for use with Nickel-Metal-Hydride rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
3. Do not expose charger to rain or moisture. For indoor use only.
4. Remove the charger from power when not in use.
5. Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.
6. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
7. Do not disassemble the charger. Incorrect reassembly may result in a risk of electric shock or fire.
8. Unplug the charger from outlet before attempting any maintenance or cleaning.
9. The appliance is not intended for use by the young without supervision.
10. Before disposing of the charger, remove any batteries from the unit.

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