



## 2-Bay LCD Smart Universal Charger TN261

### USER MANUAL

#### MAIN FEATURES

1. Supports all common cylindrical rechargeable battery types and sizes: NiMH/NiCd (1.2V): AA, AAA, C, D Li-ion (3.7V): 26650, 22650, 26500, 18650, 17670, 18490, 17500, 17335, 16340 (rechargeable CR123A), 14500 (AA), 10440 (AAA)
2. Four selectable current settings (500mA, 1000mA, 1500mA, 2000mA) to suit your need.
3. Large, easy-to-read blacklit LCD screen lets you know the charging status (state-of-charge %) and battery voltage at a glance, even in the dark!
4. Power bank function allows you to insert your own Li-ion batteries and use TN261 as a power bank to charge your portable devices on the go!
5. Complete protection against over-charging, over-discharging, short-circuit, and reverse-polarity.

## SPECIFICATIONS

Input (AC Adapter)	DC 12V 3A
Output	DC 4.2V 500mA/1000mA/1500mA/2000mA (Charging Li-ion)
	DC 1.2V 500mA/1000mA/1500mA/2000mA (Charging NiMH/NiCd)
	DC 5.0V 1000mA-2400mA (USB output during Power Bank Mode)
Battery Type	NiMH, NiCd, Li-ion
Dimensions	145mm x 76mm x 31mm / 5.7" x 3.0" x 1.2"
Weight	133 g / 4.69 oz
Protection Features	Over-charged, over-discharged, short-circuit, reverse-polarity

## PACKAGE CONTENTS

TN261 Charger x 1, AC Adapter x 1, User Manual x 1

### Warning:

- Please only use this charger with the bundled AC adapter
- Please read the instructions below carefully. Especially pay close attention to the recommended charge settings based on battery type. Failure to do so may cause irreversible damage to the battery.
- Except for using TN261 in power bank mode, do not leave batteries in the charging slots when the AC adapter is not connected. Doing so will slowly drain the power of your batteries.
- This product should be stored and used at a clean, dry and ventilated location indoor, with ambient temperature between 32°F to 104°F,
- Avoid making contact with corrosive materials, and keep it far away from fire / excessive heat.

## OPERATING INSTRUCTIONS

### Basic Charging:

1. Connect the AC adapter to a wall outlet, then connect its plug to the TN261 charger.
2. After a second, the LCD screen will flash once, and then display "NULL" for both charging slots, indicating that no battery is present..
3. Insert your NiMH/NiCd/Li-ion rechargeable battery in either or both of the slots, and charging will begin automatically.

### LCD Screen Explanation:

*state-of-charge display*

Once charging has begun, the battery icon will become animated to indicate that charging is in progress.



At the bottom of the screen, you can see four available charge current (500mA / 1000mA / 1500mA / 2000mA). The downward trigangle indicates the selected current.

*battery voltage display*

The mid section of the screen will toggle between your battery's voltage (e.g. 3.75V) and state-of-charge (the percentage of it's capacity that has been charged). You can also press the MODE button to actively switch between the voltage and state-of-charge display.



### Adjusting the Charge Setting:

1. To adjust the charge setting, press and hold the MODE button, until the downward triangle above the current charge setting starts flashing.
2. Press the MODE button repeatedly to switch between the 4 available charge settings.

### CAUTION:

Charging a small battery with a high current can cause permanent, irreversible damage to your battery, while for low-quality batteries it may even lead to fire hazard.

To ensure safety and the longevity of your batteries, please follow the recommended settings below:

Charge Setting	Suitable Battery Capacity	Example
500mA	1000mAh for Less	AAA (NiMH/NiCd), Rechargeable CR123A (Li-ion)
1000mA	1000 to 3000mAh	AA (NiMH/NiCd), Standard 18650 (Li-ion)
1500mA	3000 to 4000mAh	C, D (NiCd), Large capacity 18650 (Li-ion)
2000mA	4000mAh or above	C, D (NiMH), 26650 (Li-ion)

### Power Bank Function

TN261 can also be used as a power bank to charge your portable devices when you are on the go.



**Step1.** Disconnect the AC adapter from the wall outlet and the charger.

### Step4

Use a USB cable to connect your portable device to the USB port on rear end of the charger. The charger will then detect the best output current (between 1.0 and 2.1A), and begin charging your device automatically.

### Step2

Insert 1-2 pcs of Li-ion batteries. (This function is not compatible with NiMH/NiCd batteries)

### Step3

The LCD screen will display "USB 5.00V", which means it is now in power bank mode.

Note: The charging will stop when either the portable device is fully charged, or when the **batteries' voltage drops below 3.0V.**

