

Power ⚡ Max

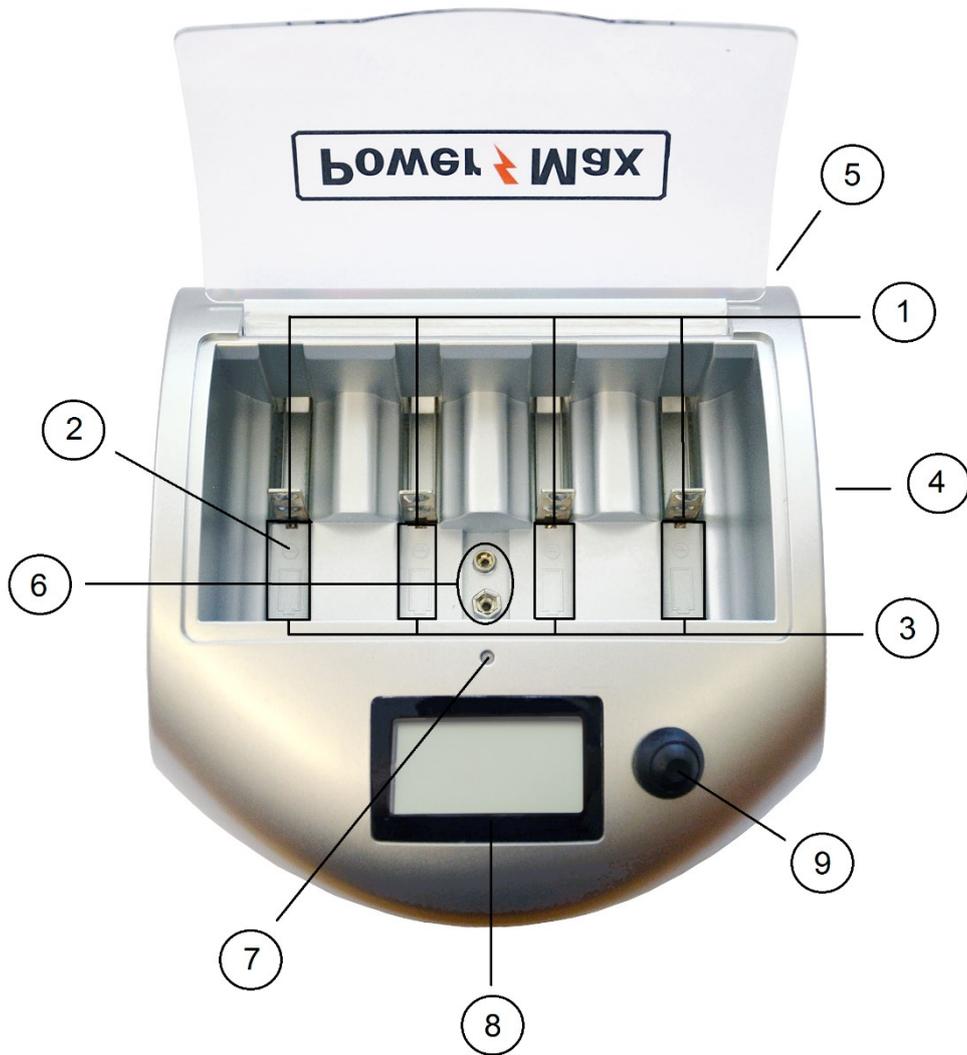
Advanced Talking Battery Charger
(With USB charger function)



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Device description:



1. Negative poles
2. Battery channels
3. Positive poles
4. USB output
5. Input for power adaptor
6. 9-V charging channel
7. Status indicator LED
8. LCD-display
9. Menu button

1. INTRODUCTION

Congratulations on your purchase of this advanced-talking fast battery charger. Power Max is among the best in its class. PowerMax allows your battery to maintain its maximum charge and ensure its high durability. The current USB-port is compatible with most smartphones, tablets and other electronic devices for personal use.



Caution: Do not use Power Max before reading the user manual. Keep the manual safely stored so you can read it again or - if necessary - pass it on, along with the device.

2. APPROPRIATE USE

The device is able to charge up to 4 cylindrical rechargeable batteries and one additional 9V block battery. The charging channels work independently. And can charge different battery types at the same time.



Caution: Only 1 battery per channel can be charged!

Power Max is able to charge:

Ni-Cd:

AAA, AA, C, D, 9-V Square

Ni-MH:

AAA, AA, C, D, 9-V Square

Lithium-Ion:

10440, 14500, 18490, 18650

The microprocessor-controlled charger has a single-channel control so that different battery-types can be charged at the same time. The device automatically recognizes if a Ni-Cd, Ni-MH or lithium battery has been inserted. Different sizes can be also charged at the same time in any combination.

Power Max also recognizes if batteries are damaged or the batteries are inserted incorrectly reporting this with an error message. The power supply for the charger is an external 5V/2A adapter which is included in the package.

The available USB-port can be used to charge most smartphones, tablets and other USB rechargeable devices.



Caution: Do not charge any kind of battery during the loading process with the USB-port.

The device should only be used indoors. Please note that the power adaptor should only be connected, and used exclusively with voltage in the range of 100 - 240 V/AC 50-60 Hz.

Using the device in any other manner than the ones previously mentioned, can cause damage to the adapter or device itself. Furthermore this can result in dangerous situation, such as short circuit, fire and electric shocks. Please take notice of the safety instructions!



Caution: Use only rechargeable battery types declared in chapter 2. Do not charge disposable batteries as these can result in explosions!

3. PACKAGE CONTENT

- Power Max charging device
- Power adaptor
- User Manual

4. DESCRIPTION OF THE DEVICE

Place the device in front of you, on an even surface, so that the front part of the case is pointing towards you.

Front side

The device has a lid, which can be lifted up backwards and protects the charging channels. At the front end, in the middle area you can find an elevation which provides an easier way to open the lid. Directly underneath that elevation you can find a little LED indicator. LED lights up green when the device is connected to an electrical supply, and blinks red if an error occurs. Below that LED there is a 1,57 x 2,36 inch rectangular LCD-Display, which shows the current charging status of all 5 channels. Next to that display, on the right, you will find the only round control key.

Open the lid until it is fully upright. Now the 4 charging channels for cylindrical batteries are available. Because Power Max can charge a variety of different batteries, you can feel the upright-slide metal clip. These clips are the negative poles and can be moved to insert batteries.

Release the metal clip after placing the battery into the slay, so that it is pressed against the plus pole of the channel which insures that the charger is adapting itself to the contacts of the particular battery. From left to right the channels have numbers 1 to 4.

In the center, between channel 2 and 3, you can feel the positive and negative contact for the 9-V block batteries. It is called "channel 5".

Rear

On its rear you will find a round port. This is to connect the power adaptor connector.

Sides

On the left side you can feel a few tiny holes for the speaker.

On the right side, there is a USB-port.

Bottom

There are the four feet and the label.

5. POWER SUPPLY

The Power Max itself needs energy to recharge the batteries. Connect the device with the enclosed adaptor to a power source (socket). The port for the power adaptor is located on the back of the device.

After plugging the Power Max in, it will play a short welcome melody followed by the status report (e.g. "channel 1 is charging"). The device is now ready.

6. HOW TO START AND CHARGING PROCESS

As soon as the device is connected to a power source and the batteries are placed in the channels, the charging process will begin automatically. The flat (negative) end of cylindrical batteries has to be in contact with the metal clip of the corresponding channel. After a short battery diagnosis, Power Max will automatically begin charging and will announce the status after a short beep tone (e.g. “Channel 1 – charging”).

On the LCD-display you can check the charging progress. Every channel has its own battery symbol. These symbols are divided into 4 levels, each of these levels signifies 25% loading progress. When the battery is completely empty, all the bars will be blinking. If for example, the battery is already 25% recharged, the last bar will not be blinking anymore, but standing still. That means that the other 3 bars will be blinking and the battery needs 75% more charge to complete. Above the progress you can read the text „CHG” (charging) or „OK” (charging complete).

The 9V batteries have to be inserted between channel 2 and 3, so that the plus pole (the pole with the smaller, round metal ring) is pointing forward. You will hear the announcement: „Channel 5 is charging” which is also shown as the battery symbol in the middle of the display.

Once the charging process has ended, the battery is kept in “float charging mode” and you will hear for example „Channel 1, charging complete”. On the LCD-display you can see that the battery in question’s symbol is not blinking anymore and an „OK” is written above it.

The charged battery then receives a trickle charging. Overcharging the batteries is not possible; therefore the batteries can be left in the charging channel for a longer time. Power Max will automatically recognize the type and system of every single battery and adapt the charging process to its capacity and state of health. When a battery is placed in or removed from a channel, Power Max will announce this with a short beep followed by the corresponding announcement, for example “Channel 4 is charging” or “Channel 1 is empty”.

The time required for charging depends on the size, capacity, internal resistance, state of charge, quality and fast-charging capability of the battery. All battery capacity’s can be charged. Note chapter 11 for the particular charging time.

You can also check the status with a short press of the control button. If all charging channels are empty, Power Max will announce “all channels are empty”. If batteries are being recharged, the device will announce this separately (e.g. “Channel 1 and 2 are charging, 75 percent”). That means that 75% of the loading process is complete.

7. THE MENU

To enter the menu press and hold the control button. By short-pressing the button additionally you can move between the single menu options.

The functions offered are:

- Automatic confirmation (activated/deactivated)
- Volume (1 to 5)
- Exit

To select one of the menu functions, press the button shortly until you hear the announcement (e.g. "Volume") and confirm your choice by pressing and holding the control button. With this you enter the particular sub item of the menu option.

You can navigate between the menu sub items by additionally short-pressing the control button.



Note: If you are in the menu and do not press any button for 1 minute, you will automatically leave the menu and changes will not be saved.

7.1. AUTOMATIC CONFIRMATION

„Automatic Confirmation activated” means, that Power Max automatically notifies you, once a single or several batteries have finished charging. The Automatic Confirmation can also be deactivated.

To activate the automatic confirmation, enter the menu as previously described. In the menu function, you can then choose between “Automatic Confirmation Activated” and “Automatic Confirmation Deactivated” by pressing the button shortly. Confirm your choice by pressing and holding the control button. Power Max will once again confirm your choice followed by a beep.

7.2. VOLUME

To change the volume, enter the menu as previously described. In the volume function, you can adjust the volume by pressing the control button shortly.

You can choose between 5 different levels. Confirm your choice by pressing and holding the control button. Power Max will once again confirm your choice followed by a beep.

7.3. EXIT

To exit from the menu, choose the function „Exit“ and confirm your choice by pressing and holding the control button. You will hear a beep and then exit the menu.

8. SAFETY INSTRUCTIONS

- Only rechargeable batteries mentioned in chapter 11 are supported. Do not charge disposable batteries, as these might explode!
- Regularly check if the charger contacts need to be cleaned. If so, disconnect Power Max from the power supply and clean it using a dry soft cloth.
- When cleaning the device, only use a dry soft cloth.
- Only use the power adapter included or replacements approved by the manufacturer.
- Power Max should only be used for its intended purpose indoors!
- The warranty claim will cease if the device is opened by any unauthorized person.
- In case of damage, pull the plug immediately and do not use the Power Max!

9. MAINTENANCE AND CLEANING

Make sure that the device and the batteries are always kept clean and without an oxide layer. Disconnect Power Max from the power supply and do not use any kind of abrasive cleanser, alcohol or petroleum benzene to clean it. These may damage Power Max. Moreover, this may result in damage to health and explosions. Do not use any sharp-edged equipment for instance, tools or metal brushes. Please use only a dry soft cloth.



Caution: No liquid must enter the device! Avoid strong acid or scrubbing cleansers. Do not scrub the surface with rough sponges, as they could damage the case of the device.

10. TECHNICAL DATA

Input:	5V DC/ 2A
Output:	4x each 450 mA; 1x30 mA for the 9V battery; USB 5V / max. 1500 mA
Weight:	375 g
Operating temperature:	0° to 40° (32 F – 104 F)
Power adaptor:	IN: 100-240 V/AC, 50/60 Hz; OUT: 5V/DC, 2A

	DC-plug: 5,5 x 2,1 mm, positive pole inside
Package content:	Power Max charging device, Power adaptor, User Manual

11. BATTERIES AND CHARGING TIMES

Battery-Type	Size	capacity	charging time
Ni-Cd	AAA	400mAh	0.8 h
	AA	800mAh	1.8 h
	C	2200mAh	4.9 h
	D	4400mAh	9.8 h
	9-V Square	200mAh	7 h
Ni-MH	AAA	800mAh	1.8 h
	AA	2300mAh	5.1 h
	C	3300mAh	7.3 h
	D	5000mAh	11.1 h
	9-V Square	200mAh	7 h
Lithium	10440	3.7V/400mAh	1.5 h
	14500	3.7V/1200mAh	2.3 h
	18490	3.7V/1400mAh	4 h
	18650	3.7V/2200mAh	8 h

12. GUARANTEE AND SERVICE

From the date of purchase, we issue to the original purchaser of this product a guarantee of:

- twenty-four (24) months on the device itself,
- twelve (12) months on the accessories (e.g. power supply, earphones etc.),
- six (6) months on wear parts (e.g. battery, case etc.)
- Please note that we do not issue any guarantee on batteries!

During the guarantee periods mentioned above, the product will be either repaired or replaced free of charge. In no event shall CareTec be liable for indirect, special or consequential damages.

The exposure of the device to liquids, strong electromagnetic fields, heat as well as dropping the device or opening the case causes immediate loss of guarantee. In case of problems please contact CareTec or your local distributor before returning the device without any apparent reason. We will then inform you about the necessary procedures. The device may only be opened by authorized technicians!

CareTec reserves the right to make any changes or improvements to its products without further notice.

13. LEGAL NOTICE ON THE DISPOSAL OF ELECTRONIC DEVICES

13.1. DISPOSAL OF USED ELECTRONIC DEVICES



This product must be disposed of separately from household waste at specially designated collection and recycling points. For further information please contact your local authorities.

13.2. RECYCLING BATTERIES



Batteries must not be disposed of in household waste. As a consumer you are legally obligated to bring your old batteries to public collecting points (in your community or any shop that provides these batteries).

Pb-Cd-Hg These signs can be found on contaminant-laden batteries.

Pb = containing lead

Cd = containing cadmium

Hg = containing mercury

14. SYMBOLS USED

	Caution
	Note
	Dispose of separately from household waste
	Manufacturer

15. MANUFACTURER

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