

*Tekkeon*

# TekCharge™

**MOBILE POWER PACK & BATTERY CHARGER**

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## MP1580 User Guide



# User Guide

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## Overview

**TekCharge™ MP1580 takes advantage of AA batteries to provide emergency power to mobile phones, smartphones, iPod/iPhone, MP3 players, PDAs, digital camcorders, eBooks, GPS and more. This small mobile charger includes a voltage regulator so it won't harm your device or its battery. As an added bonus, TekCharge MP1580 doubles as a battery charger, so you can charge your rechargeable AA batteries as needed.**

**TekCharge connects to your device in two ways: you can use an adapter to connect to your device, or you can use your USB device cable, bypassing the need for an extra adapter. Micro USB and mini USB adapters are included for most mobile phone and smartphone models. These same adapters also may work with your eBooks, MP3 players, PDAs, portable media players and other small devices. If the extra adapter you need isn't in the package, just go to [www.tekkeon.com](http://www.tekkeon.com) or call us at 1-888-787-5888 or 1-949-788-9228 to order more adapters for a nominal fee.**

## Getting Started

### Unpacking TekCharge MP1580

Your TekCharge MP1580 package includes the following:

User guide (not shown)

Registration card (not shown)



TekCharge MP1580



Retractable USB Cable



Micro USB Adapter Tip



Mini USB Adapter Tip

## Getting to Know TekCharge MP1580



## Installing Batteries

TekCharge MP1580 requires two or four rechargeable or alkaline AA batteries, which are housed on the bottom side of the unit. As TekCharge MP1580 doubles as a battery charger, rechargeable batteries can be recharged in the unit when connected to a USB port on a computer or power adapter. (Please note that alkaline and rechargeable batteries should not be used together.)

1. With the unit upside down, push down on the lever above the USB port, slide the battery cover in the direction of the arrow, and then lift the cover to remove (Fig A).



2. Insert the batteries in the directions indicated. If using only two batteries, install the pair in the first two slots on the left or right (Fig B).



3. Replace the cover.

## Using TekCharge MP1580

TekCharge can be used to power or charge any portable device that requires 5V or less, and 1000mA or less. If your device has a DC jack with center negative polarity, do not power the device with TekCharge as it does not support center negative polarity.



*Center Positive*



*Center Negative*

TekCharge MP1580 doubles as a battery charger for two or four AA rechargeable batteries. When the batteries are empty, you can recharge the batteries without removing them from TekCharge MP1580.

**WARNING:** Do not attempt to charge any mobile device that requires more than 1000mA of power. This could cause TekCharge MP1580 to overheat.

## Charging a Device Using an Adapter

1. Select the adapter that fits securely into the power jack on your portable device and plug it into the input/output cord.
2. Insert the USB plug on the input/output cord into the USB port on the end of TekCharge.
3. Connect the adapter plug into the power jack on your portable device.
4. Slide the TekCharge power switch to the ON position to provide power through the USB port.
5. Turn on the portable device and use it as you would normally. While connected, TekCharge will power and/or charge your device.



*Charging a device using an adapter.*

- or**  
Leave the portable device turned off and TekCharge will charge the device battery.
6. When finished, slide the power switch to OFF and unplug the power output cord from TekCharge and your device.

**NOTE:** If neither of the included adapters fits snugly into your portable device power jack, please go to our web site at [www.tekkeon.com/tcadapters](http://www.tekkeon.com/tcadapters) to determine which adapter plug you need for your device. You can obtain most adapters through the web site, or by contacting Tekkeon by phone at: **1-888-787-5888** or **1-949-788-9228**. If available through Tekkeon, the adapter will be sent to you for a nominal fee.

## Charging a Device Using Your Device USB Cable

1. Insert the USB plug on the device cable into the USB port on TekCharge.
2. Connect the USB cable into the power jack on your portable device.
3. Move the power switch to ON to provide power through the USB port.
4. Turn on the portable device and use it as you would normally. While connected, TekCharge will power and/or charge your device.

**or**

Leave the portable device turned off and TekCharge will charge the device battery.

5. When finished, unplug the USB cable from TekCharge and your device.



*Charging a device using its USB cable.*

## Charging Batteries

1. With two or four rechargeable AA batteries installed in TekCharge, plug the included mini USB adapter tip into the input/output cord.
2. Plug the mini USB tip into the mini USB port (5V IN).



*Charging batteries using the Tekkeon USB Power Adapter.*

3. Plug the USB plug on the opposite end of the input/output cord into a USB port on a computer or a USB power adapter (such as Tekkeon's myCharger, MP1650). The charging lamp will light as follows to indicate the battery status:

Red On	Batteries are charging
Green On	Batteries are fully charged
Red Flashing	Batteries are not usable, or are not rechargeable
Green Flashing	No battery is installed, or batteries are installed incorrectly

If the lamp is flashing, ensure that the batteries are installed correctly, or replace the batteries with good, rechargeable batteries.

4. When the charging lamp turns green (in approximately 3 hours for two batteries or 6 hours for four batteries), the batteries are fully charged. Unplug the input/output cord from both TekCharge MP1580 and the computer or charger.

**NOTE:** *The charging lamp will function only when TekCharge is connected to external power via the mini USB port. In this case, the capacity indicators on the front of TekCharge MP1580 will be turned off.*

*It is strongly recommended to recharge the batteries only when completely empty.*



# Troubleshooting

If TekCharge MP1580 does not power your portable device or charge the device battery, take these steps:

1. Check the battery status to ensure that the AA batteries are good, or that the rechargeable batteries are charged.
2. Check that the input/output cord is connected to both TekCharge and the portable device, and that the adapter plug fits snugly into the power jack on your portable device. If not, try another adapter.
3. If connecting TekCharge to a device with a DC jack, verify that the polarity of the device power jack is center positive. If the polarity is center negative, do not power the device with TekCharge as it does not support center negative.



*Center Positive*



*Center Negative*

4. Verify that a battery is installed in the portable device as some devices will not function without a battery installed.
5. Verify if your device is designed with charging circuitry that limits the input voltage. If so, TekCharge MP1580 may not be able to power or charge the device. (For example, if a device is designed to accept only a 4.2V input, then TekCharge MP1580 may not be able to power or charge the device.)

If TekCharge MP1580 shuts down after connection to your portable device:

1. Verify that the portable device does not require more than 1000mA. If so, DO NOT attempt to charge your device using TekCharge.

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## Limited Warranty

The product enclosed herein is warranted to be free of operational defects for a period of one year from the date of purchase. In the event of a defect in operation during the warranty period Tekkeon, Inc. will replace the defective product when the owner returns all product contents. The limited warranty will be considered void if the unit is tampered with, subject to misuse, negligence or accidental damage, has been improperly serviced, or if the security seal is removed. This warranty is limited to replacement only and shall not cover any other damages. Any product returned to Tekkeon, Inc. with no fault found will be returned to the owner at the owner's expense.

To obtain warranty coverage, please complete and submit the enclosed registration card.

## Disclaimer of Warranties

Any user of this product does so at the user's own risk. To the maximum extent permitted by applicable law, Tekkeon, Inc. and its suppliers provide the hardware and any support services related thereto "as is" and with all faults; and hereby disclaim all warranties and conditions, whether express, implied or statutory, including, but not limited to implied warranties of merchantability, fitness for a particular purpose, non-infringement, lack of negligence or correspondence to description, except for those warranties specifically and expressly provided in the Limited Warranty.

With respect to the use of this product, in no event shall the company be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential and other damages.

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# Customer Support

Customer support for TekCharge is available at:

Tekkeon, Inc.

c/o TekCharge MP1580

30 Mauchly, Suite A

Irvine, CA 92618

888-787-5888 / 949-788-9228

[www.tekkeon.com](http://www.tekkeon.com)

Tekkeon, Inc. must issue a Return Merchandise Authorization (RMA) number for all exchanges or refunds.



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