

Tekkeon

# myPower™ ALL *plus*

EXTERNAL LAPTOP BATTERY

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MP3450/MP3450-10 User Guide





# USER GUIDE

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# Overview

You can use myPower™ ALL—the universal rechargeable battery—to power just about any portable device. Simply connect myPower ALL to your notebook computer, portable DVD player, digital camera, digital camcorder, portable CD player, PDA, mobile phone, or other portable device to extend the battery life. As an added bonus, myPower ALL will charge the internal battery on some devices, while also powering the device.

myPower ALL MP3450 can be used alone, or with the optional extended battery (MP3450-10) to double the capacity. The extended battery with mounting brackets is sold separately.

## Getting Started

### Unpacking myPower ALL Plus

Your myPower ALL Plus package includes the following:

User guide (not shown)



myPower ALL Plus  
lithium polymer  
rechargeable battery



Retractable  
USB cable

Mini USB tip



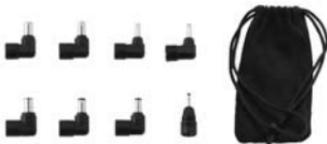
Power adapter



Power output cord

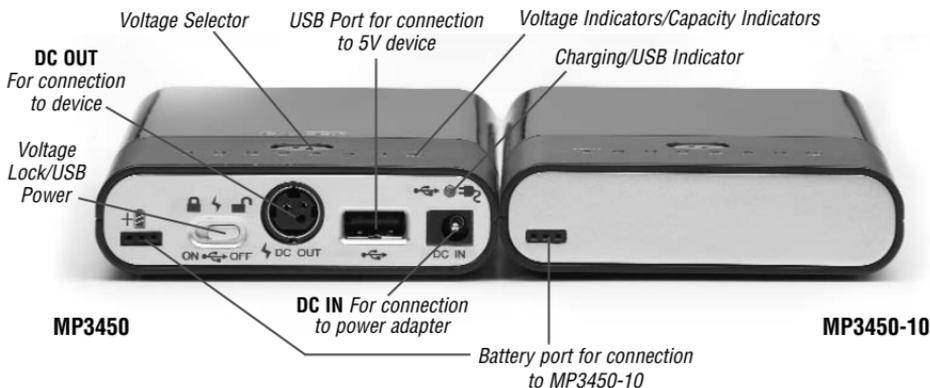


Device At-A-Glance  
Card



Adapter plug kit with drawstring bag  
(8 adapter tips)

## Getting to Know myPower ALL Plus



## Charging myPower ALL Plus

myPower ALL Plus will charge in four hours when completely empty. The green CHARGE indicator will turn on after the battery is 80% charged. Therefore, you should view the actual battery capacity before disconnecting the power adapter to stop charging. (Before using myPower ALL Plus for the first time, you must charge the device for four hours.)

1. Remove the output cord from the **DC OUT** jack, if connected.
2. Plug the power adapter into the **DC IN** jack on the end of myPower ALL Plus.
3. Plug the power adapter into a wall outlet. *The red CHARGE indicator will turn on to indicate the battery is charging and is less than 80% charged.*
4. When the green CHARGE indicator turns on, set the voltage lock to LOCK, and press the voltage selector to view the battery capacity. If the capacity does not indicate full (green LEDs on), continue to charge the battery until the battery capacity indicates full.

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5. When the battery capacity indicates full, unplug the power adapter and slide the voltage lock right to the unlocked/off position (UNLOCK/OFF) to turn off the USB power when myPower ALL Plus is not in use.

**NOTE:** *myPower ALL Plus will automatically shut down the power input when fully charged, so you can charge it overnight.*

## Using myPower ALL Plus

myPower ALL Plus can be used to power and/or charge up to two portable devices simultaneously. With devices that require higher voltage levels, like notebook computers and portable DVD players, we recommend that you use myPower ALL Plus only to power the device. You will find that powering without charging your higher voltage device will maximize the battery life of myPower ALL Plus, thus letting you use your portable device even longer.

To use myPower ALL Plus to power and/or charge your device, take these steps which are described in detail in the following sections.

- Select an adapter plug for your main device and connect the plug to the output cord.
- Connect the power output cord to myPower ALL Plus.
- Adjust the voltage level to match that of your main device and lock the voltage setting.
- Connect the adapter plug/output cord to your main device.
- Connect a second 5V device.

## Select/Connect the Adapter Plug

1. Select the adapter plug that fits securely into the power jack on your portable device.
2. Locate the polarity symbol on your device in the area around the power connector jack:



Center Positive



Center Negative



**WARNING:** myPower ALL Plus supports Center Positive polarity only. If your device has a Center Negative polarity, do not power the device with myPower ALL Plus; contact [support@tektron.com](mailto:support@tektron.com) for assistance.

3. Connect the adapter plug to the power output cord (but not the device).

If you are using a UA-xxx adapter (rather than PA-xxx), you must insert the L34 adapter that came with your myPower ALL Plus between the adapter cord and UA-xxx adapter as shown.

**CAUTION:** If you change the adapter plug while the power adapter cord is connected to myPower ALL Plus, the voltage setting will reset to the lowest voltage, which is the default voltage setting.



## Connect the Power Output Cord

1. Plug the large end of the power output cord into the **DC OUT** jack on the end of myPower ALL Plus.  
*The 5V voltage indicator will turn on to indicate that the voltage is set to the lowest setting.*  
(If you have previously selected a voltage, the voltage selection will be returned to the lowest setting.)

## Adjust the Voltage Level

1. Locate the voltage specification for your portable device. This can be found on the device power adapter label or device specification label which typically is found on the bottom of the unit.  
(If available, use the voltage specification shown on the power adapter.)
2. With the voltage lock in the unlocked position (switched right to UNLOCK), set the voltage output to the voltage selection that is equal to or one increment higher than the voltage identified for your device. To do this, press the voltage selector until the voltage indicator turns on under the appropriate voltage selection (5, 6, 7.5, 9, 12, 14, 16, 19). For example, if your device requires 6V, set the voltage to **6**. If your device requires 7.2V, set the voltage to **7.5**.



Sample Power Adapter Label

**CAUTION:** It is important to set the voltage selector **NO MORE** than one step higher than the voltage requirement for the portable device as an incorrect setting may prevent myPower ALL Plus from working with your device, or may harm your device in the rare instance that the device accepts the higher voltage. However, for all devices, adjusting the voltage **ONLY** one step higher than required will not harm the device.

3. Slide the voltage lock to the locked position (switched left to LOCK). This will prevent you from accidentally selecting a different voltage while your device is connected.
4. To change the voltage, slide the voltage lock to the unlocked position (UNLOCK), and select a new voltage. Be sure to relock the voltage.

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**TIP:** You can optimize the use of myPower ALL Plus with your notebook computer or portable DVD player by setting the voltage on myPower ALL Plus to less than the required voltage shown on the notebook computer power supply. This prevents myPower ALL Plus from charging the device, thus extending the amount of time you can use myPower ALL Plus to power your notebook computer.

Most notebook computers have a battery voltage of 11.1V or 14.8V, allowing them to be powered with 12V or 14V. Therefore, it is recommended that you set the voltage to 12V first, and then test to see if it will power your notebook. If not, increase the voltage to 14V, and retest. For MP3400 repeat this process until you reach the voltage that will power your notebook.

Most portable DVD players require 9 or 12 volts. Set the voltage to 7.5V and test to see if myPower ALL Plus will power your device at this setting. If not, increase the voltage by one level and retest.

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### myPower ALL Plus VOLTAGE SELECTION

This table provides recommended voltage settings by device type.

Device Type	Voltage on Device Power Adapter	Suggested Voltage on myPower ALL Plus
<b>Notebook Computers</b>	14V	12V
	16V	14V
	19V	14 - 16V
	24V	19V
<b>Portable DVD Players</b>	9V	7.5 - 9V
	12V	9 - 12V
<b>Digital Cameras</b>	5 - 6V	5 - 6V
<b>CD Players</b>	4.5 - 5V	5V
<b>PDA's</b>	5V	5V
<b>Mobile Phones</b>	3.7 - 6V	5 - 6V
<b>Digital Camcorders</b>	9V	7.5 - 9V
	12V	9 - 12V
<b>MP3/MP4</b>	5V	5V

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## Connect the Portable Device

1. Connect the adapter plug into the power jack on the portable device.
2. Turn on the portable device and use it as you would normally. *While connected, myPower ALL Plus will power and charge your device. (As mentioned earlier, myPower ALL Plus will not charge a device if the voltage setting is lower than that required.)*

or

- Leave the portable device turned off and myPower ALL Plus will charge the device battery.
3. When finished, unplug the power output cord from myPower ALL Plus and your device and slide the voltage right to the unlocked/off position (UNLOCK/OFF) to turn off the USB power when myPower ALL Plus is not in use.

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**NOTE:** *If your portable device displays a low voltage/low capacity or double-beep warning while myPower ALL Plus is connected, adjust the voltage setting to one level higher.*

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**TIP:** *For most portable devices, myPower ALL Plus can be used to power the device even when the device battery is not installed.*

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## Connect the 5V Device

1. Connect the USB adapter tip (or other optional adapter tip UA-xxx) into the retractable USB cable.
2. Connect the retractable USB cable into the USB port on myPower ALL Plus.
3. Connect the adapter tip into your 5V device.
4. Slide the voltage lock to the lock/on position (LOCK/ON) to turn on the USB port. *While connected, myPower ALL Plus will power and charge your device.*
5. Slide the voltage lock to the unlocked/off position (UNLOCK/OFF) to turn off the USB power when myPower ALL Plus is not in use.

**NOTE:** *The USB port provides only 5V of power, so the voltage cannot be changed. When using this port, you will not select the voltage.*

## View myPower ALL Plus Battery Capacity

The capacity in myPower ALL Plus will decrease as the battery powers and/or charges your devices. The remaining capacity is shown on the voltage indicator, which is accessed as described below. As the remaining capacity decreases, the lights will turn off in sequence from right to left. When the myPower ALL Plus battery capacity is low, only the red EMPTY light will be on. You should recharge myPower ALL Plus at this time. When myPower ALL Plus is completely out of battery, all lights will be off. At this point, you must charge myPower ALL Plus.

1. With the voltage lock in the locked position (LOCK) and the adapter plug/power output cord, or the power adapter connected, press and hold the voltage selector. *When you release the voltage selector, the battery capacity indicators will turn off, and one indicator will turn on to indicate the voltage selection.*

### CAPACITY INDICATOR

Red Indicator	1-5% ( <i>Recharge before using</i> )
1st Green Indicator	5-15%
2nd Green Indicator	15-25%
3rd Green Indicator	25-40%
4th Green Indicator	40-55%
5th Green Indicator	55-70%
6th Green Indicator	70-85%
7th Green Indicator	85-100%

## Recording Device Information

The Device At-A-Glance Card included with myPower ALL Plus enables you to record the information you need to use myPower ALL Plus with each of your portable devices. Simply record the device name, required voltage, and reference letter for the compatible adapter. Store the card in the pocket provided inside the leather case.



## Obtaining Adapters

Eight adapter plugs that fit most DC adapter jacks on a variety of portable devices, and a USB tip are included with myPower ALL Plus. If none of these plugs fits snugly into your portable device power jack, please go to our web site at [www.tekkeon.com/mpadapters](http://www.tekkeon.com/mpadapters) 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 888-787-5888 or 1-714-832-1266. If available through Tekkeon, the adapter will be sent to you for a nominal fee.

## Using the Extended Battery (MP3450-10)

You can double the capacity of myPower ALL Plus by adding the extra battery unit MP3450-10. When MP3450-10 is added to MP3450, the battery capacity shown on the indicators includes the capacity available with MP3450-10.

## Adding the Extended Battery

1. Place MP3450 on top of MP3450-10 with both flat silver ends facing the same direction.
2. Connect the bracket with the 3-pin plugs inside to the silver ends of the devices.  
The 3-pin plugs will mate with the battery port on each of the devices, and the controls on the end of MP3450 will show through the bracket opening.
3. Connect the second bracket on the opposite end of the devices to hold the units together securely.
4. Use MP3450 as you would normally.



## Charging the Extended Battery

1. With MP3450-10 connected, charge MP3450 as described earlier. Both batteries will be charged at the same time (in parallel).

## Troubleshooting

If myPower ALL Plus does not power the portable device or charge the device battery, take these steps:

1. Verify that the current consumption of the portable device is not more than 3.5 Amp. If the device consumes more than the maximum provided by myPower ALL Plus, the device will shut down when turned on and cannot be powered and/or charged by myPower ALL Plus.
2. Verify that the device does not require more than 19V. If the device requires more, MP3450 will not be able to charge the device. However, in most but not all cases, MP3450 will be able to power the device.
3. View the remaining battery capacity. If it is below 25%, recharge myPower ALL Plus.
4. Check that the output cord is connected to both myPower ALL Plus and the portable device, and that the adapter plug fits snugly into the power jack on your portable device. If not, try another adapter.
5. Verify that the polarity of the device power jack is Center Positive. If the polarity is Center Negative, please contact [support@tekkeon.com](mailto:support@tekkeon.com) for assistance.
6. Check that the output voltage for your portable device matches or is just below the output voltage set on myPower ALL Plus. If the output voltage is not correct, unlock the voltage lock (if in the locked position), and change the voltage as required. (Please ensure the cable is unplugged from the portable device while changing the voltage.)
7. Verify that a battery is installed in the portable device as some devices will not function without a battery installed.
8. Verify if your device is designed with charging circuitry that limits the input voltage. If so, myPower ALL Plus may not be able to power or charge the device. (For example, if a device is designed to accept only a 10.2V input, then myPower ALL Plus may not be able to power or charge the device.)



*Center Positive  
Symbol*



*Center Negative  
Symbol*

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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 myPower ALL Plus is available at:

Tekkeon, Inc.

c/o myPower ALL Plus

3002 Dow Avenue, #134

Tustin, CA 92780

888-787-5888 / 714-832-1266

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

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

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

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*Cut loose. Stay loose.*