



User's Manual

Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter
PWI-AD120HC & PWI-AD150HC

Table of Contents

1. Major Features2

2. Safety & Warning2

3. Contents.....2

4. Using your Prudent Way Universal Notebook AC/DC Power Adapter...3

5. Product Specification.....6

Model: PWI-AD120HC, PWI-AD150HC

Thank you for choosing Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter. Please take the time to read all instructions in this user manual carefully before using the Adapter. Please note that failure to follow the proper instructions may cause fire, electric shock, injury, or damage to electronic devices.

We sincerely hope that you find this quality Adapter provides you with many years of good service.

1. Major Features

- 100-240V AC input provides worldwide power conversion capability.
- Adjustable 12-24V output design fits specific notebook models and LCD needs.
- 12 pieces of tip connector for use with most major notebook brands such as IBM, Dell, Toshiba, Compaq, Asus, Acer, HP, Sony and More¹.
- Extra USB port built in for PDAs, Cell Phones, MP3 Players and more¹.
- RoHS compliancy is friendly to environment.
- High efficiency & full power protection.

2. Safety & Warning

Please read the following information carefully before using the power adapter!

- ! This power adapter is for indoor use only.
- ! This power adapter is for use with information technology equipment.
- ✘ DO NOT disassemble this Adapter. There are HAZARDOUS VOLTAGES inside the power adapter. Disassembling the Adapter may expose you to high voltage or other risks. Incorrectly reassembly may cause electronic shock the next time when the device is used. Warranty will be voided by doing so.
- ✘ DO NOT expose the Adapter and related information technology equipment to water or moist, dusty or extreme temperature environment such as direct sunlight, heat sensitive material or any heat generated sources such as a radiator, stove, or car.
- ✘ DO NOT block the ventilation. The ventilation is designed to protect the Adapter from overheating.
- ✘ DO NOT place the Adapter in a built-in installation, or on a surface such as a bed, sofa, or rug.
- ✘ DO NOT use wet hands to plug or unplug the power cord to avoid electric shock.
- ✓ DO follow all warnings and instructions marked on the product.
- ✓ DO grab the plug instead of cord when you remove the power cord from the wall outlet.
- ✓ DO remove any power sources from this Adapter before attempting any cleaning to avoid electrical shock. Use a dry cloth only.
- ✓ DO place the power cable properly so it will not be stepped on or tripped over.
- ✓ DO unplug the Adapter and contact the dealer from which it was purchased when:
 - The Adapter is damaged.
 - The Adapter does not perform properly.
 - The Adapter has been exposed to water.

3. Contents

	PWI-AD120HC	PWI-AD150HC
AC/DC Combo power adapter	120-watt	150-watt
12 tip connectors	✓	✓
AC Input cable	✓	✓
DC Input cable	✓	✓
DC output cable	✓	✓
User manual	✓	✓


4. Using your Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter



1. DC Socket
2. AC Socket
3. USB Port
4. LCD Indicator
5. Output Voltage Select Button
6. Blue LED Light
7. Output Cable
8. Tip Connector
9. DC Cigarette Lighter Socket
10. AC Power Cable

Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter User's Manual
Model: PWI-AD120HC, PWI-AD150HC

For notebook computer:

- Step 1. Read the Safety and Warning information above.
- Step 2. Connect the Adapter input power cable to the AC socket of the Adapter (Picture 02a). Then plug the other end of AC power cable to the wall outlet (Picture 02b). For the first time use, the LCD screen will show the default voltage of 12V within 3 seconds. The Blue LED light should stay solid at all time.
- Step 3. Please refer to your notebook computer user manual or check on the back of the notebook computer to find the correct output voltage requirement for your notebook computer. Start selecting proper output voltage (12V, 15V, 16V, 18V (18/18.5V), 19V (19/19.5V), 20V (20/20.5V), 22V, and 24V) on the Adapter by pushing the arrow button  for 3 seconds (Picture 03a). The flashing voltage now can be adjusted. After selecting the proper voltage, please wait for 5 seconds and the Adapter will memorize the selected voltage as the new default voltage setting.

Please Note!
Once output voltage is selected, the Adapter will automatically memorize the new voltage as the default setting. If different output voltage is needed, please make sure to adjust the voltage by repeating Step 1 to 3 before plugging into different machine.

- Step 4. Choose correct tip connector to fit your notebook power socket and connect it to the Adapter output cable (Picture 04a). These tip connectors are specially design with ridge so they can only be plugged in one direction to the output cable. If you have difficulty to properly plug in, please turn around the tip connector.
Warning: DO NOT plug Tip L to HP Laptops.
- Step 5. Connect the tip connector to the power socket of your notebook (Picture 05a).
- Step 6. Turn on your notebook and the Blue LED light should become solid indicating the power is on and ready for use.

For devices with USB interfaces such as MP3, cell phones, iPod, iPhone, iPad and more:

- Step 1. Read the Safety and Warning information above.
- Step 2. Please connect the USB Type A cable provided by your USB device company to the USB port of the Adapter.
- Step 3. Connect the Adapter input power cable to the AC socket of the Adapter (Picture u03a). Then plug the other end of AC power cable to the wall outlet (Picture u03b).
- Step 4. Turn on and use your USB device.



Model: PWI-AD120HC, PWI-AD150HC


Picture 05a



- Step 2. Please connect the USB Type A cable provided by your USB device company to the USB port of the Adapter.
- Step 3. Connect the Adapter's In-Auto Connector into the 12V DC cigarette lighter socket.
- Step 4. Turn on and use your USB device.

***Important: Please Plug Out AC before using DC in the car. Cannot use both at the same time**

For notebook computer:

- Step 1. Read the Safety and Warning information above.
- Step 2. Please refer to your notebook computer user manual or check on the back of the notebook computer to find the correct output voltage requirement for your notebook computer. Start selecting proper output voltage (12V, 15V, 16V, 18V (18/18.5V), 19V (19/19.5V), 20V (20/20.5V), 22V, and 24V) on the Adapter by pushing the arrow button  for **3 seconds**. The flashing voltage now can be adjusted. After selecting the proper voltage, please wait for 5 seconds and the Adapter will memorize the selected voltage as the new default voltage setting.
- Step 3. Choose correct tip connector to fit your notebook power socket and connect it to the Adapter output cable. These tip connectors are specially design with ridge so they can only be plugged in one direction to the output cable. If you have difficulty to properly plug in, please turn around the tip connector.
- Step 4. Connect the other end of the tip connector to the power socket of your notebook.
- Step 5. **Turn on your vehicle engine if you have not done so. Remove the vehicle's cigarette lighter from its socket.**

Note!

Cigarette Lighter may be hot enough to burn your skin or the other material. Please remove it carefully and store after it cool completely.

- Step 6. **Insert the Adapter's In-Auto connector into the 12V DC cigarette lighter socket.**

Note!

Please avoid starting your vehicle's engine while the Adapter's In-Auto connector is connected to the cigarette lighter to prevent power interruption and any damages to your notebook and/or its software.

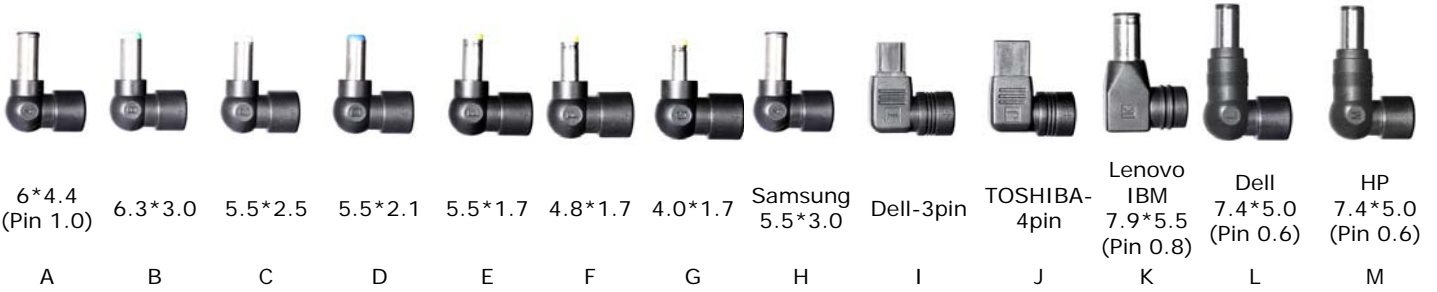
- Step 7. Turn on your notebook and the Blue LED light should become solid indicating the power is on and ready for use.

For devices with USB interfaces such as cell phones, MP3:

- Step 1. Read the Safety and Warning information above.



Model: PWI-AD120HC, PWI-AD150HC



5. Product Specification

Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter User's Manual
Model: PWI-AD120HC, PWI-AD150HC

	PWI-AD120HC	PWI-AD150HC
FEATURES		
Output Power (Max.)	120W	150W
Overload Protection	Yes	Yes
Short Circuit Protection	Yes	Yes
Line Regulation	+/- 5%	+/- 5%
Load Regulation	+/- 5%	+/- 5%
Switching Mode	Universal switching-mode power adapter for notebook & LCDs	Universal switching-mode power adapter for notebook & LCDs
Special Connectors	12 pieces tip connector including 3-pin, 4-pin, and Dell 7.4x0.5mm connector.	12 pieces tip connector including 3-pin, 4-pin, and Dell 7.4x0.5mm connector.
Efficiency	> 80% (TYP)	> 80% (TYP)
DIMMENSIONS		
Unit Size	5.5" x 2.55" x 1.49"	5.5" x 2.55" x 1.49"
Net Weight	1.5 lb	1.5lb
OUTPUT		
Output Voltage (0/+8V No Load)	12V/15V/16V/18V/19V/20V/22V/24V DC12V-24V	12V/15V/16V/18V/19V/20V/22V/24V DC12V-24V
	USB Port: 5V	USB Port: 5V
Output Voltage (-0.6/+0.6V @rating load)	12V/15V/16V/18V/19V/20V/22V/24V	12V/15V/16V/18V/19V/20V/22V/24V
Output Voltage (+/- 5% @typical +/- 0.8V)	DC12V-24V	DC12V-24V
	USB Port: 5V	USB Port: 5V
Output Current	12V/15V/16V/18V/19V/20V @6Amp(max)	12V/15V/16V/18V/19V/20V @7.5Amp(max)
	22V/24V @ 5AMP(max)	22V/24V @ 6.25AMP(max)
	USB Port: 2 AMP @ 5V	USB Port: 2 AMP @ 5V
INPUT from AC		
Rated Input Voltage (50 - 60 Hz)	AC120V or AC230V	AC120V or AC230V
Vibration Input Voltage Range (47-63Hz)	AC100V-240V	AC100V-240V
Input Rated Current	2.2AMP	2.85AMP
Input Power	135VA	170VA
INPUT from DC	12V@10Amp	12V@12.5Amp
ENVIRONMENTAL		
Operating Temp.	0 to 40°C	0 to 40°C
Humidity	20% to 80%	20% to 80%
RoHS Compliant	Yes	Yes

Prudent Way Universal Notebook & LCD AC/DC Combo Power Adapter User's Manual
Model: PWI-AD120HC, PWI-AD150HC

For feedback about this product, please contact
Prudent Way Inc
Toll Free: (866)384-3873
Email: feedback@prudentway.com

For support or general inquiry, please contact
Prudent Way Inc
Toll Free: (866)384-3873
Email: Support@prudentway.com

Made in China

¹ All listing of brand names are registered trademarks of their respective companies.

² Certification

