

OPERATING INSTRUCTIONS

90w 15" Universal Laptop Charger with USB

MODEL: B1593

thank you

Thank you for the purchase of this quality **LLOYTRON** product. Used carefully and in accordance with the instructions enclosed, it should give you trouble free service over a long period of time. Please keep these instructions for future reference.

FEATURES

- 10 common connections for most 15" laptop chargers
- 90w Max Power
- Universal Voltage 100 – 240v
- Includes USB 500mA socket
- Automatic short circuit and reverse polarity protection
- Over-charge protection
- Automatic switching input voltage 100-240v AC 50/60Hz
- Output Voltage Range 15v, 16v, 18v, 18.5v, 19v, 19.5v, 20v

SPECIFICATIONS

- Input voltage:100-240v~50Hz
- Output: 15v, 16v, 18v, 18.5v, 19v, 19.5v, 20v 90w Max.
- USB Output: 5v DC 500mA

Temperature and Humidity Specifications:

- Normal Operating Temperature: 0°C to 40°C
- Storage Operating Temperature: -10°C to 70°C
- Normal Humidity:20% - 80%
- Storage Humidity: 10% - 90%



IMPORTANT SAFEGUARDS AND PRECAUTIONS



SAVE THESE INSTRUCTIONS

- Read all instructions carefully
- For Household Use only. Not intended for commercial use.
- Only for use indoors.
- Do not use outside or in damp conditions.
- Before plugging into mains socket, check whether supply line voltage and current rating are in compliance with the rated electrical parameters shown on the rating label.
- Keep away from hot surfaces, such as gas or electric hobs and ovens etc
- Do not use for any purposes other than the appliances intended use.
- This appliance is not intended to be operated by means of an external timer or separate remote control system.
- To prevent damage to the mains cord, do not let it pass over sharp corners, edges or hot surfaces.
- If the supply cord is damaged, do not use. Check before each use!
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- Do not use if any part of this appliance is damaged in any way.
- Always unplug when not in use.
- To prevent against the risk of electric shock, do not submerge any part of this appliance in water, unless advised in this manual.
- This appliance should only be used on a flat surface.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with this appliance.
- Cleaning and user maintenance shall not be made by children without supervision.

- Always observe the correct polarity.
- Do not short circuit the terminals.
- Do not use for other purpose than intended.
- Do not use for laptops with higher power requirements than 90w.
- Always choose the correct connection tip for the correct voltage and socket.
- Always check with the laptop manufacturer to ensure correct voltage and power.
- Centre pin is always positive. Do not use if laptop requires centre pin to be negative.

OPERATION

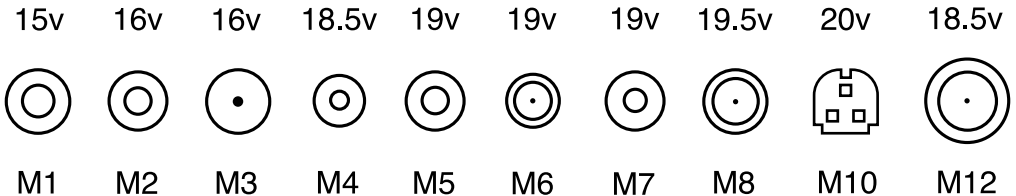
Before using the charger please check your Notebook/Netbook manufacturer's user manual to ascertain the correct voltage. Please also check the connection chart for tip selection.

Mains Charging:

1. Choose the correct tip for your Notebook/Netbook (Check the connection chart)
2. Connect the mains cord to the main charging unit
3. Plug the mains cord into a mains wall socket
4. The correct Voltage will automatically be selected from 15 / 16 / 18.5 / 19 / 19.5 / 20 V .
The voltage will automatically lock to the chosen output when the laptop is plugged in depending on the connector chosen.
5. Plug the charger into your Notebook/Netbook and it will power and charge immediately.

CONNECTION CHART

LAPTOP CONNECTORS SUPPLIED WITH CHARGERS



The voltage on the laptop can be +/- 10% from that stated on the connector. If the exact connector is unavailable, the closest sized connector will usually suffice.

Tip Number	Output Voltage	Tip Size	Laptop Model Compatible
M1	15V	6.3 x 3.0mm	TOSHIBA/NES
M2	16V	5.5 x 2.5mm	IBM/LENOVO
M3	16V	6.5 x 4.4mm	SONY/FUJITSU
M4	18.5V	4.8 x 1.7mm	HP/COMPAQ/ASUS/ NEC
M5	19V	5.5 x 2.5mm	ACER/COMPAQ/TOSHIBA/HP
M6	19V	5.0 x 3.0mm	SAMSUNG
M7	19V	5.5 x 2.1mm	ACER/COMPAQ/TOSHIBA/HP
M8	19.5V	6.5 x 4.4mm	SONY/FUJITSU
M10	20V	3 – holes	DELL
M12	18.5V	7.4 x 5.0mm	HP/COMPAQ

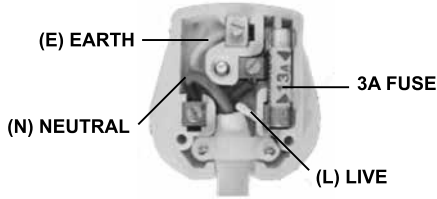
WEEE/ENVIRONMENTAL PROTECTION



Disposal of Electrical and Electronic Equipment

Do not dispose of this product with household waste. For the proper treatment, recovery and recycling please take this product to the appropriate waste collection point. If you are unsure where this may be, please contact your local authority. Improper disposal may be harmful to the environment.

UK PLUG REWIRING




Your appliance operates on 220-240V~50Hz AC Mains and comes fitted with a 3-pin BSI Approved plug, so that it is ready for use by simply plugging into AC Mains. Should you need to change or refit a plug, proceed as follows: -

IMPORTANT:

The wires in the mains lead are coloured in accordance with the following code:

BLUE:	NEUTRAL (N)
BROWN:	LIVE (L)
GREEN AND YELLOW:	EARTH (E)

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED. The GREEN AND YELLOW wire must be connected to the terminal which is marked with the letter "E", the symbol  or coloured GREEN.

DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL OF A 3-PIN PLUG

Always ensure that the Mains Cord is located into the Plug through the Cord Guard or Cable Clamp, and that the Cord Guard screws are tightened to clamp the Cord (outer sheath and inner coloured wires) in position in the Plug. Make sure the Plug top is also fitted securely.

The supply cord cannot be replaced. If the supply cord is damaged, the appliance should be scrapped.

This appliance must be protected by a 3 Amp fuse in a 13 Amp type (BS1363) plug. Should you need to replace the fuse, use only an ASTA approved BS1362 fuse.



LLOYTRON® CUSTOMER SERVICES

If you have any queries about this product, there are three ways to contact our customer service department:

call: 08454 81 8808

email: customerservice@lloytron.com

web: www.lloytronhelpdesk.com

To find more details on a wide range of Lloytron products please visit our website at www.lloytron.com
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