



ULTRA SLIM DESIGN

# Universal Notebook Charger

JNC0020



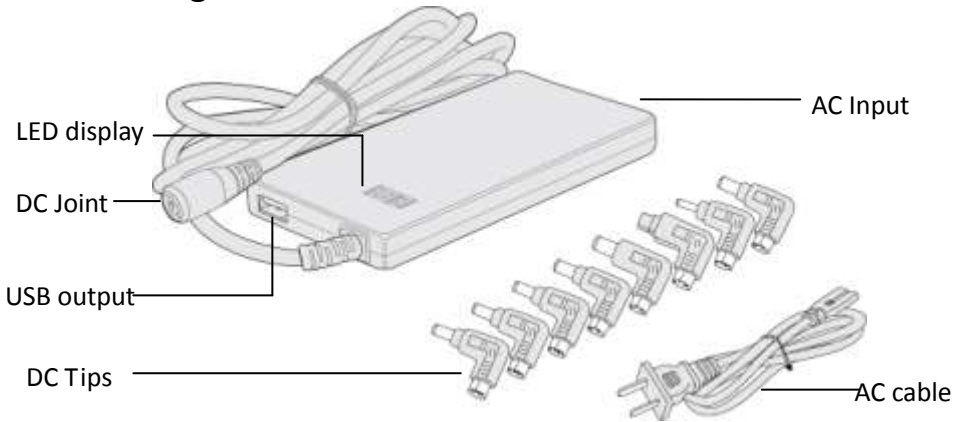
# User Manual

First we would like to thank you for purchasing our new 90W ultra slim universal notebook charger, which is especially designed for charging and supplying power for notebooks and netbooks. This product can reach a maximum power of 90 Watts. It also adopts the widest output voltage technology and switches its voltage automatically. With its ultra slim appearance and fashionable style, it is an product which is useful in every household.

## **Product Features:**

1. Ultra slim housing, only 17mm thin. Through smart appearance also very portable.
2. Charge or supply power to notebooks with more than 30 optional DC connectors which cover almost all brands in the markets. 8 tips are standard supplied with the JNC0020.
3. 100% automatic switch when different tips are used, just plug & go, no fiddly switch or risk of overcharging your notebook.
4. LED display shows current voltage.
5. The JNC0020 uses SCM computer controlling techniques, double panel PCB and uses special ABS+PC housing material to make sure you always work safely and environmental friendly.
7. Highly efficient: up to 91% power is used.
8. AC Input 100-240V means a worldwide compatible product.
9. Wide output voltage: 12V to 24V.
10. Multi protections: over temperature, over voltage, over current, short circuit protection and etc.

## Product Diagram:



## Product Specification:

AC Input: 100~240V , 2A 50-60Hz

DC Output: 12~24V 6A 90W(MAX )

USB output: DC 5V 2.1A (MAX )

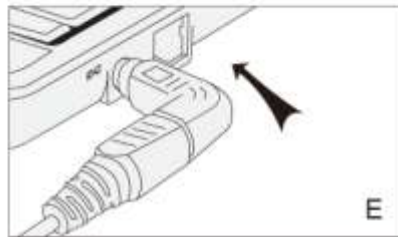
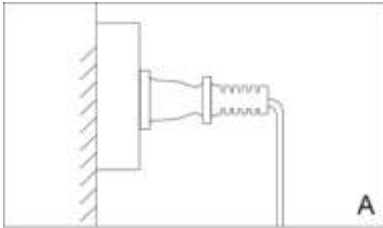
Size: 114\*70\*17mm

Net Weight: 239g

## Package Content:

1. Adaptor Body
2. AC power cord
3. 8 pcs Notebook tips (22 more sold separately)
4. User manual

## Operation Steps



1. When you want to charge your laptop, connect the AC plug into the wall socket (picture A), without any tip, the LED display shows a value between 15.0V and 15.6V (picture B). Choose the right tip, such as N04, connect it with the DC output (picture C), then the LED displays the N04's voltage (picture D). Connect the joint DC tip to the laptop as well and it can be used. (picture E)



2. When you use the 5V USB output, connect the USB cable to your device (for instance tablet pc, smart phones, etc.), it is then ready to be charged.

(as picture F and G)



**Notes :**

*Please check if the product's connectors, and its voltage are compatible with your laptop, tablet pc, camera and/or other devices; in accordance to your device's manual instruction. Please read this manual and its instructions carefully before use. We are not responsible for any damage caused by incorrect or reckless operations.*

## **Important Safety Information:**

This safety guideline is to help you operate your universal notebook charger safely, to ensure your personal safety and reduce the risk of fire, electric shock or injury.

1. Do not apply external force on the power cord.
2. Do not unplug by pulling on the cord.
3. Do not connect an already connected cord to the charger.
4. Do not place the cord or device near heating elements or near hot surroundings.
5. Do not bend the pins of the plug.
6. If there is any strange sound, smoke or smell, immediately disconnect the cables.
7. Do not open or disassemble the JNC0020 (it may cause fire or electric shocks)
8. Do not put any sharp objects into the venting hole of the product (It may cause fire or electric shocks)
9. Make sure to connect the plug to the JNC0020 firmly.
10. Make sure you never use a damaged cable. (It may cause fire or electric shocks)
11. Do not place the charger on a bed, inside a bag or closet due to lack of good ventilation.
12. Always wipe off the product with soft fabric, never use water. (water may cause electric shocks)
13. Always keep the power plug and the outlet clean from dirt. (Dirt may cause a short circuit and potentially fire)
14. Keep the charger out of reach of children.
15. Don't unplug the power cord with wet hands. (It may cause electric shocks)
16. Always unplug the power cord if you don't use the product for a long time. (It may cause heat, fire and electric shocks)

## Notebook DC Tips Specification:

No	Output Voltage	Range Voltage	Connectors Spec.	Replacement
A(N04 )	19V	18.1-19.9V	4.8*1.7*10.7mm	COMPAQ: 18.5V1.1A,18.5V2.7A,18.5V3.8A, 18.5V3.5A,18.5V4.5A,18.5V4.9A, ASUS: 19V2.64A, NEC: 19V2.64A etc
B(N13 )	15V	14.3-15.7V	6.3*3.0*10.7mm	TOSHIBA: 15V2A,15V2.7A,15V3A,15V4A, 15V5A,15V6A NEC: 15V4A etc
C(N18 )	19V	18.1-19.9V	5.5*2.1*10.7mm	ACER: 19V/3.16A,19V/3.42A,19V/4.74A; LITEON:19V/3.16A,19V/3.42A;NEC:19V/3.16A etc
D( N07 )	19V	15.2-16.8V	5.5*2.5*10.7mm	BENQ:19V2.1A, DELL: 18V1.9A,19V2.4A,19V1.58A 19V3.16A HP: 18V2.3A,19V2.4A,19V3.16A ; COMPAQ: 18V1.9A,18.5V1.1A,18.5V4.9A, 19V4.9A ; IBM: 19V2.4A,18V1.9A,19V3.16A, 19V4.2A ; TOSHIBA: 18V1.1A,18V1.7A,19V1.58A, 19V 3.42A,19V4.74A,GATEWAY: 19V3.16A, 19V3.68A,19V4.74A ACER:19V3.42A, NEC: 19V2.64A,19V3.16A, DELTA: 19V2.64A,19V3.42A ; ITEON: 19V3.16A,19V3.42A,19V3.95A,19V4.74A ; EPSON: 19V1.23A; etc
E(N14 )	16V	15.2-16.8V	5.5*2.5*10.7mm	IBM: 16V/2.2A,16V/3.36A,16V/3.5A,16V/4.5A etc.
F(N19 )	19V	18.1-19.9V	5.0*3.0*10.7mm	SAMSUNG: 19V 3.16A,19V 3.42A , 19V3.75A, 19V4.22A,19V4.74A etc
G(N06 )	16V	15.2-16.8V	6.0*4.4*10.7mm	PANASONIC: 16V2.5A,15.1V2.6A,15.1V2.64A, FUJITSU: 16V2.5A,16V2.8A,16V3.36A,16V3.75A, SONY: 16V2.5A,16V2.1A,16V3.75A,16V4A etc
H(N09 )	19.5V	18.5-20.4V	6.0*4.4*10.7mm	SONY: 19.5V 2.15A, 19.5V2.3A,19.5V3A, 19.5V4.1A,19.5V4.7A, FUJITSU: 19V3.16A,19V3.69A,19V4.22A etc
I(N11)	19V	18.1-19.9V	5.5*1.7*10.7 mm	TOSHIBA: 19V/3.95A; DELTA: 20V/3.5A; ACER: 19V/3.42A,19V/1.58A,19V/3.16A etc.
J(N22)	19.5V	18.5-20.4V	7.4*5.0*12.5 mm	DELL: 19.5V/3.34A, 19.5V/4.62A etc.
K(N27)	20V	19.0-21.0V	W7.3*7.4	DELL: 20V/3.5A, 20V/4.5A etc.

# Laptop DC Tips Specification

No	Output Voltage	Range Voltage	Connectors Spec.	Replacement
L(N16)	22V	20.9-23.1V	3.5*1.35*9.5 mm	SHARP: 22V/1.8A, 22V/2.04A etc.
M(N24)	20V	19.0-21.0V	7.9*12 5.5 mm	IBM/LENOVO: 20V/4.5A, 20V/3.25A etc.
N(N25)	24V	22.8-25.2V	7.7*2.5*4.3 mm	APPLE: 24V/1.875A,24V/2A, 24V/2.65A etc.
O(N26)	24V	22.8-25.2V	9.5*3.5*4.0 mm	APPLE: 24V/1.875A,24V/2A, 24V/2.65A etc.
Q(N23)	18.5V	17.6-19.4V	7.4*5.0*12.5 mm	HP/COMPAQ: 18.5V/3.5A, 18.5V/4.9A etc.
R(N08)	12V	11.4-12.6V	5.5*2.5*10.7 mm	LCD/ACER/BENQ: 12V/1A,12V/2A,12V/2.5A, 12V/3A, 12V/3.5A,12V/4A etc.
S(N30)	14V	13.3-14.7V	5.5*2.5*10.7 mm	SAMSUNG: 14V/3A, 14V/3.5A etc.
T(N17)	19V	18.1-19.9V	4.8*1.7*10.7mm(Slim)	HP/COMPAQ: 18.5V/4.9A, 19V/4.74A etc.
V(N02)	12V	11.4-12.6V	4.8*1.7 mm	ASUS: 12V 3A etc.
W(N15)	16.5V	15.7-17.3V	Magsafe 5Pin	APPLE: 16.5V/3.65A etc.
X(N21)	18.5V	17.5-19.4V	Magsafe 5P	APPLE: 18.5V/4.6A etc.
N03	20V	19.0-21.0V	5.5*2.5*10.7mm	LENOVO: 20V/2A, DELTA: 20V/1.2A, IBM: 20V/2A, LG: 20V/2A, MSI: 20V/2A, LS: 20V/3.25A etc.
N05	19V	18.1-19.9V	4.0*1.7*10.7mm	HP: 19V /1.58A etc.
N10	14V	13.3-14.7V	6.0*4.4*10.7mm	DELL: 14V/3A, SAMSUNG: 14V/3A,14V/4A etc.
N12	12V	11.2-12.6V	4.0*1.7*10.7mm	SAMSUNG: 12V/3.5A, KODAK: 12V/2A etc.
N20	19V	18.1-19.9V	2.35*0.7*8mm	ASUS:19V/2.1A etc.
N29	14.5V	13.8-15.2V	Magsafe 5P	APPLE: 14.5V/3.1A etc.
N32	19.5V	18.5-20.4V	4.8*1.7*20mm	HP: Ultrabook etc.
N33	19V	18.1-19.9V	3.0*1.0*8mm	SAMSUNG: Ultrabook etc.

- Notes: 1, All listing of brand names are registered trademarks of their respective companies..  
 2, Not all connectors are available in the package, connectors may be different for different market.

## **Warranty Specifications:**

1. The Jupio Universal Notebook Charger is subjected to a three year limited warranty period.
2. If the charger is inccorectly used, damaged or shows signs of physical damage, the warranty will be invalid. This also accounts for tampering with the warranty seals.
3. Jupio is not responsible for the hard disks or the data contained in our optical or magnetic devices.
4. This warranty does not cover the damage done to other equipments used in conjunction with this product.
5. Terms subjected to change without previous notice.

**IF YOU NEED FURTHER INFORMATION ABOUT OUR WARRANTY SPECIFICATIONS, PLEASE CHECK: [www.JUPIO.com](http://www.JUPIO.com)**

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