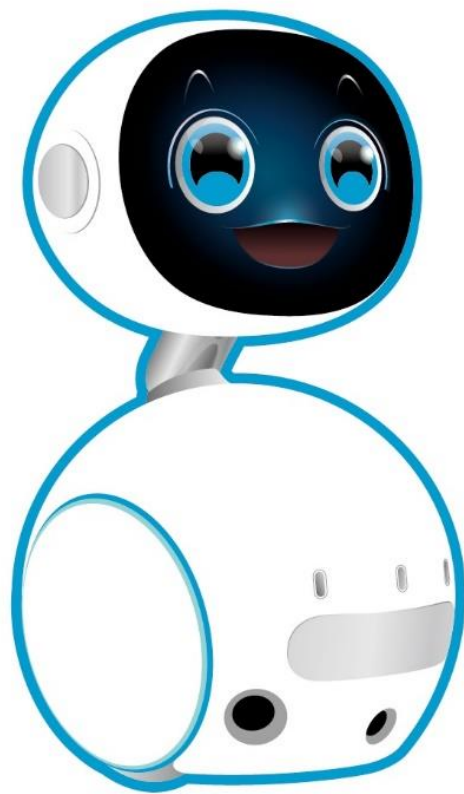


First Edition  
June 2019

# Zenbo Junior

## User Manual



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## **LIMITATION OF LIABILITY**

Circumstances may arise where because of a default on ASUS’ part or other liability, you are entitled to recover damages from ASUS. In each such instance, regardless of the basis on which you are entitled to claim damages from ASUS, ASUS is liable for no more than damages for bodily injury (including death) and damage to real property and tangible personal property; or any other actual and direct damages resulted from omission or failure of performing legal duties under this Warranty Statement, up to the listed contract price of each product.

ASUS will only be responsible for or indemnify you for loss, damages or claims based in contract, tort or infringement under this Warranty Statement.

This limit also applies to ASUS’ suppliers and its reseller. It is the maximum for which ASUS, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS ASUS LIABLE FOR ANY OF THE FOLLOWING: (1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES; (2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR (3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF ASUS, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY.

## **SERVICE AND SUPPORT**

Visit our multi-language web site at <https://www.asus.com/support/>

# Product Specifications

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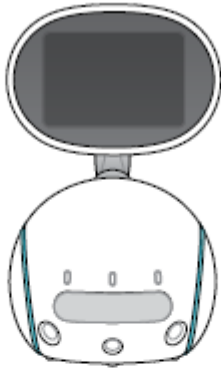


Model: Zenbo-K	
Dimensions (LxWxH)	18.5 x 18.5 x 31.5 cm
Weight	2.75 Kg
Operating System	Android
CPU	Z8550 2.4GHz Q.C
Memory	2GB
Storage	16GB
Power Adapter Rating	Input: 100-240V AC 50/60Hz Output: 19V DC, 1.75A, 33W
Battery	28W
Camera	1300 Megapixel Camera
Display	6-inch LCD Display
Speakers	2 x 3W
Language	English
Microphone	4 x Digital Microphones
Voice Recognition	Speech Trigger Distance 5m Speech Recognition Distance 2m
Connectivity	Wifi 802.11ac/n 2.4G & 5G Bluetooth BT 4.0
I/O Port	1 x USB 2.0 Type A 1 x Micro-USB

# Package Contents

Check your Zenbo Junior for the following items:

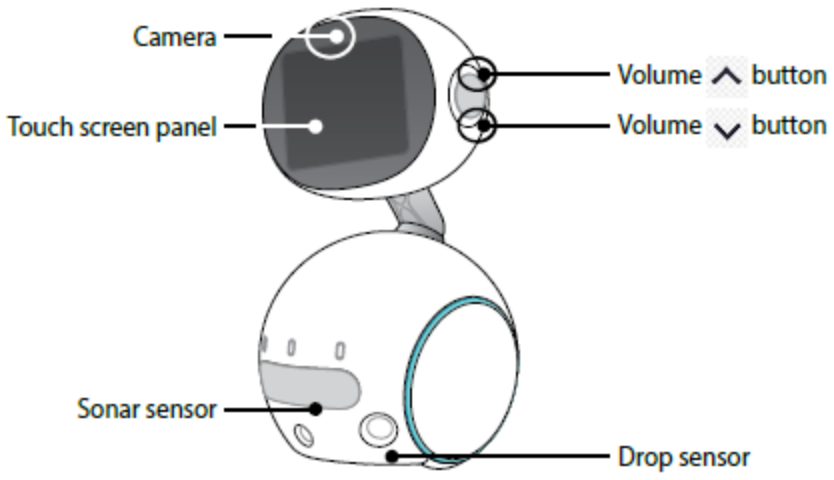
**NOTE:**

- If any of the following item is damaged or missing, contact your retailer.
- The illustrated items above are for reference only. Actual product specifications may vary per country or model.

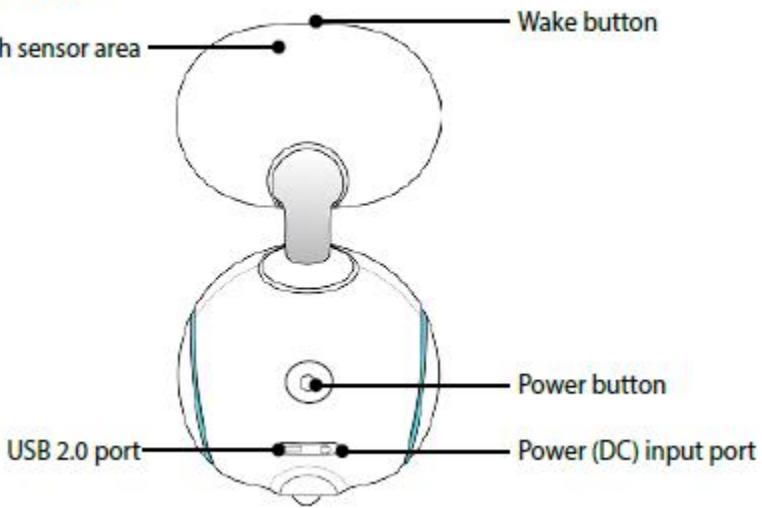
	
<p>1x Zenbo Junior</p>	
	
<p>1 x Power adapter and power cord</p>	<p>1 x User manual</p>

# Getting to Know Zenbo Junior

## Front view



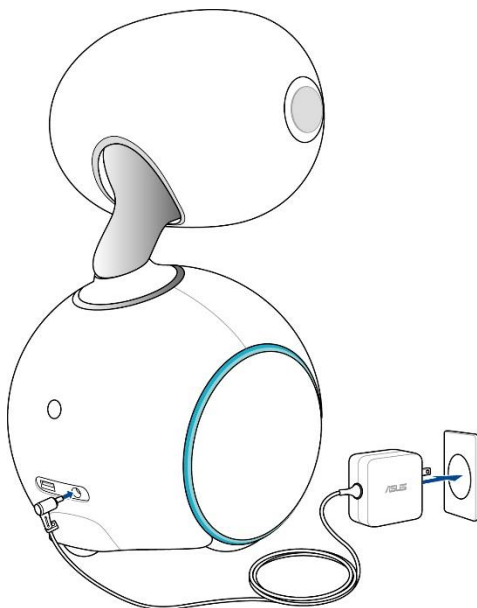
## Rear view



## Charging Zenbo Junior

Please follow the steps to charge your Zenbo Junior:

1. Connect the bundled power adapter and power cord to the power (DC) input port behind Zenbo Junior.
2. Plug the AC power adapter into a 100V~240V power source.



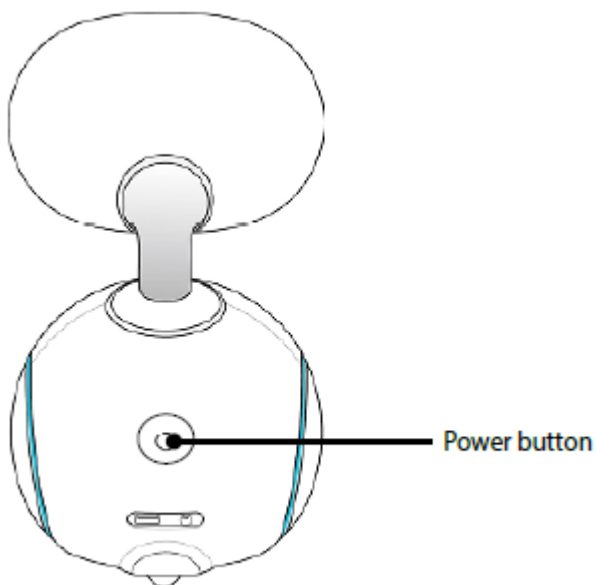
## Power On/Off

### **To power on Zenbo Junior**

Long press the power button on the back of Zenbo Junior for at least one (1) second to power on.

### **To power off Zenbo Junior**

Long press the power button on the back of Zenbo Junior for at least one (1) second, then tap **Power Off**.



# Safety Precautions

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## Using your Zenbo Junior

- This product is not a toy.
- DO NOT place Zenbo Junior near open flame or sources of heat such as a fireplace, heater, microwave, oven, etc.
- DO NOT place Zenbo Junior in a high temperature environment or in direct sunlight.
- DO NOT hit Zenbo Junior with excessive external forces or vibrations, doing so may cause damage to the device or cause explosions.
- DO NOT cache, retrieve, copy, modify, or distribute Zenbo Junior's software or use it for other applications.
- Never attempt to disassemble and reassemble the product or the battery. Doing so may cause damage to your device and void your warranty. Consult an ASUS service center or authorized retailers for product service or assistance on proper disassembly or assembly of the product.
- DO NOT use excessive force while moving Zenbo Junior's head angle. If you need to adjust Zenbo Junior's head angle, swipe down from the top of the display panel, then tap the onscreen buttons to adjust the angle.
- If you need to move Zenbo Junior, grab Zenbo Junior by the neck with one hand, and firmly hold Zenbo Junior's bottom with the other hand while moving it. Keep your hands away from Zenbo Junior's head to avoid being crushed.

## Taking care of your Zenbo Junior

- Zenbo Junior is not water resistant. DO NOT use clean Zenbo Junior with organic solvents.

## Operating environment

- The recommended operating temperature is 0°C (32°F) to 40°C (104°F).

## Recommended environments for this product

### Indoor environment

- Zenbo Junior is designed for indoor use only.
- Please ensure that the floor of the environment intended for use is flat and even, avoid places with height differences such as stairs.
- Please remove obstructions in the environment that may prevent Zenbo Junior from moving.
- Zenbo Junior's anti-collision feature may not operate correctly under these situations:
  - (1) Performing predefined spinning in place action.
  - (2) Only the head portion collides with an object.
  - (3) Moving across an uneven surface followed by a collision.
  - (4) Moving at a slow speed and gently colliding with an object.

### Lighting

- We do not recommend using downlights in your home environment.

### Voice command

- The environment should not be too noisy when giving voice commands. Avoid giving voice commands from multiple persons at the same time, this may affect Zenbo Junior's voice recognition accuracy.
- When using voice commands, to improve Zenbo Junior's voice recognition accuracy, we recommend that only one person should be in front of Zenbo Junior and giving out voice commands at a time.
- When commanding Zenbo Junior to operate other household appliances, Zenbo Junior should first be in the same room as the appliance.

### Wi-Fi

- We recommend using Zenbo Junior in a good Wi-Fi environment to make use of all of Zenbo Junior's features.

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**WARNING!** ELECTRICALLY OPERATED PRODUCT. THIS IS NOT A TOY. TO AVOID RISK OF ELECTRIC SHOCK OR FIRE, IT SHOULD NOT BE USED WITHOUT ADULT SUPERVISION OR PLACED WHERE SMALL CHILDREN CAN REACH IT.

**CAUTION!** RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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# Safety Notices

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## REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://csr.asus.com/english/REACH.htm>.

## Proper disposal



**Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.**

**Risque d'explosion si la batterie est remplacée par une batterie de type incorrect. Mettre les batteries au rebut conformément aux instructions fournies.**



DO NOT throw the mercury-containing button cell battery in municipal waste. This symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.



DO NOT throw your device in municipal waste. This product has been designed to enable proper reuse of parts and recycling. The symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



DO NOT throw the device in fire. DO NOT short circuit the contacts. DO NOT disassemble the device.

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**CAUTION!** Use of controls or adjustments or performance of procedures other than those specified herein may result to hazardous radiation exposure.

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### **LASER LIGHT – DO NOT STARE INTO BEAM**

### **RAYONNEMENT LASER-NE PAS REGARDER DANS LE FAISCEAU.**

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No.56, dated May 8<sup>th</sup>, 2019

MAX. 1mW 655 nm.

Beam divergence (Scan angles): 60 °

Repetition rate (Typical frame rate): CW

CLASS 1 LASER PRODUCT CLASSIFIED IEC 60825-1:2014 (ed.3)





# Appendix

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## Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.


## RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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**CAUTION!** Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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<b>FCC COMPLIANCE INFORMATION</b>	
Per FCC Part 2 Section 2.1077	
	
<b>Responsible Party:</b>	<b>Asus Computer International</b>
<b>Address:</b>	<b>48720 Kato Rd, Fremont, CA 94538</b>
<b>Phone/Fax No:</b>	<b>(510)739-3777/(510)608-4555</b>
<b>hereby declares that the product</b>	
<b>Product Name :</b>	<b>Intelligent Robot</b>
<b>Model Number :</b>	<b><u>Zenbo-K</u></b>
<b>compliance statement:</b>	
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.	
<small>Ver. 180620</small>	

# Warranty Information

This ASUS manufacturer warranty (hereafter referred to as the “Warranty”) is granted by ASUSTeK Computer Inc. (hereafter referred to as “ASUS”) to the purchaser (hereafter referred to as “You”) of the Zenbo charging station product (hereafter referred to as the “Product”). This Warranty is being delivered

with the Product, subject to the following terms and conditions. ASUS accredited Service Agents and Repair Centers will provide the services covered under this Warranty.

## **Warranty period of the Product**

This warranty applies for the period defined on the gift box of the Product (“Warranty Period”) from the date the Product was first purchased by an end-customer (“Date of Purchase”). If proof of purchase cannot be provided, the manufacture date as recorded by ASUS will be deemed to be the start of the Warranty Period.

## **Statutory Rights**

This warranty is given independently of any statutory rights that may apply in the country of purchase and

does not affect or limit such statutory rights in any manner whatsoever.

### **1. General**

ASUS warrants the Product to be free from defects in workmanship and materials for the Warranty Period. The Warranty does not cover bundled accessories, which were delivered together with the Product such as: power adapter, cables, etc. If the Product fails during normal and proper use within the Warranty Period, ASUS, at its discretion, will update/upgrade the firmware of the Product, or swap the whole Product. This Warranty applies only if the Product was newly manufactured on the Date of Purchase and not sold as used, refurbished or manufacturing seconds. Please keep the original purchase invoice and this warranty card for future service request. This Warranty does not include failure caused by

improper installation, operation, cleaning or maintenance, accident, damage, misuse, abuse, non-ASUS modifications to the product, any third party software programs, normal wear and tear or any other event,

act, default or omission outside ASUS’ control. For further details, see section 4 of this Warranty Card.

If the Product is swapped by ASUS and is under the Warranty Period, You hereby agree to transfer the ownership of defective products and such products shall automatically become the property of ASUS.

### **2. Customer responsibility**

When using the Product

- Read the user manual first and use the Product only according to the user manual.
- Please check the manual and the ASUS support website for troubleshooting solutions, before contacting the customer service.

When contacting ASUS Customer Service

- Before contacting ASUS technical support, ensure that you have the Product in front of You and that it is turned on, if feasible. Please also be ready to provide the Product’s serial number, the model name and proof of purchase.
- You will be requested by ASUS to perform some of the Product’s troubleshooting tasks or actions, which may include the following:
  - Restoring the Product’s operating system, factory-installed drivers, and applications to the factory default settings.
  - Installing updates/upgrades of the firmware or service packs.
  - Running diagnostic tools and programs on the Product.
  - Allowing the ASUS technical support agent to access the Product with remote diagnostic tools (when available).
  - Performing other reasonable activities requested by ASUS which will assist in identifying or resolving the problems.
  - Describe the problem clearly and completely on the RMA request form.
- Enclose a copy of this completed warranty card and a copy of your sales invoice/receipt detailing the purchase of Your Product. (Please note: ASUS reserves the right to request the original documents.) If you do not provide the requested documents for warranty validation, then the manufacture date of the Product as recorded by ASUS will be deemed to be the start of the Warranty Period.

### **3. Warranty Service**

If the problem is not solved remotely, You will have to return the Product to an ASUS Repair Center (this process is called “RMA”). ASUS will issue an RMA number for Your Product. Please record Your RMA Number for tracking purposes. This service only applies to the certain countries which can be inquired by ASUS Customer Service via ASUS Global Hotline.

#### **4. Exclusions from this limited Warranty Service**

ASUS does not warrant uninterrupted or error-free operation of this Product. The Warranty only covers technical hardware issues during the Warranty Period and in normal use conditions. It applies to firmware

issues but not to any other software issues or customer induced damages or circumstances such as but not limited to:

- a) The Product has been tampered with, repaired and/or modified by non-authorized personnel;
- b) The serial number of the Product, components or accessories has been altered, cancelled or removed;
- c) The warranty seals have been broken or altered;
- d) Obsolescence;
- e) Damage (accidental or otherwise) to the Product that does not impact the Product's operation and functions, such as without limitation to rust, change in color, texture or finish, wear and tear, and gradual deterioration;
- f) Damage to the Product caused by improper installation, improper connection or malfunction of a peripheral device such as printer, optical drive, network card, or USB device, etc.;
- g) Damage to the Product caused by an external electrical fault or any accident;
- h) Damage to the Product resulting from use outside of the operation, storage parameters, or environment detailed in the User's Manual;
- i) Damage to the Product caused by third party software;
- j) Unusability of or damage to the Product caused by contamination with hazardous substances, diseases, vermin, or radiation;
- k) Fraud, theft, unexplained disappearance, or damages/detrimental circumstances caused by a willful act of the customer;
- l) Unusability or damage to the Product caused by installing and using the Unlock Device App, which is a utility that will unlock your Product's boot loader but will render the Warranty null and void.

#### **5. Limitation of Liability**

Except as provided in this warranty and to the maximum extent permitted by law, ASUS is not responsible

for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits (including loss of profits on contracts); loss of the use of money; loss of anticipated savings; loss of business; loss of opportunity; loss of goodwill; loss of reputation; loss of, damage to or corruption of data; or any indirect or consequential loss or damage whatsoever caused including the replacement of equipment and property, any costs of recovering or reproducing any data stored on or used with the Product. The foregoing limitation shall not apply to death or personal injury claims, or any statutory liability for intentional and gross negligent acts and/or omissions by ASUS. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages; to the extent such jurisdiction is governing this Warranty the above limitations do not apply to You.

#### **6. Privacy**

It is necessary for ASUS to collect, transfer, and process personal data in order to facilitate the requested

service; and for this purpose Your data may be transferred to and processed in any country where ASUS or its affiliated companies maintains offices, which include countries outside of the European Union, the mandatory laws of which do not guarantee a data protection level equivalent to the laws of EU member states. However, ASUS will use and protect Your personal data at any time and in any country subject to the ASUS Privacy Policy. Please access and read the ASUS Privacy Policy at: [http://www.asus.com/Terms\\_of\\_Use\\_Notice\\_Privacy\\_Policy/Privacy\\_Policy/](http://www.asus.com/Terms_of_Use_Notice_Privacy_Policy/Privacy_Policy/).

#### **7. Out-of-Warranty cases**

Returning the Product to the ASUS Repair Center and/or Dealer during the Warranty Period does not automatically mean that it will be repaired free of charge. Upon receiving Your Product, ASUS reserves the right to check the validity of Your Warranty and Your request for Warranty service. If the Warranty Period has lapsed or if any of the exclusions in clause 4 apply, your request will be deemed out of warranty ("OOW"). If your service request is OOW, a Service Charge List with an offer for repair will be provided to You, which You may accept or reject. If You accept the repair, we will provide You with an invoice for the repair labor, spare parts and other costs stated in the Service Charge List. You must pay the invoice within 4 weeks of the invoice's date of issue. The repair will only be completed after the invoice

## **8. Abandoned Property**

After Your Product has been updated/updated/switched, or if You do not agree to the warranty service offer, ASUS will return your Product/product replacement via the agreed method. If You do not pick up Your Product, or if delivery is not possible at the address provided by You, ASUS will send You a notice at the address You provided when requesting the service. If You still fail to pick up the Product within a period of 90 days from sending the notice, ASUS reserves the right to claim damages from you, including the cost of storage; to dispose the product in accordance with the applicable laws and regulations; and any statutory right of lien for unpaid charges.

## **9. Warranty and Support**

This Warranty applies in the country of purchase.

In this Warranty:

- Service procedures may vary by country.
- Some service and/or spare parts may not be available in all countries.
- Some countries may have fees and restrictions that apply at the time of Service, please visit the ASUS Support site at <http://www.asus.com/support> for more details.
- Certain countries may require additional documentation, such as proof of purchase or proof of proper importation, prior to performing ASUS Warranty and Support, please visit the ASUS Support site at <http://www.asus.com/support> for more details.

To enjoy comprehensive ASUS warranty service, visit ASUS Service Center website at <http://www.asus.com/support/contact-ASUS> for detailed locations. ASUS reserves the right to interpret the provisions in this ASUS Warranty Information. The information in this warranty card may change without prior notice. Please visit the ASUS Support site at <http://www.asus.com/support> for current and complete ASUS warranty information.

### **ASUS contact details**

This warranty is provided by:

**ASUSTeK COMPUTER INC.**

4F, No.150, Li-Te Rd., Peitou

Taipei 112, Taiwan

Phone: +886-2-2894-3447

# Warranty Card

---

Mr/Mrs./Ms/Miss: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail : \_\_\_\_\_

Purchase Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ (DD/MM/YYYY)

Dealer's Name: \_\_\_\_\_

Dealer's Telephone Number: \_\_\_\_\_

Dealer's Address: \_\_\_\_\_

Serial Number: