

Revised Edition V2 / February 2018

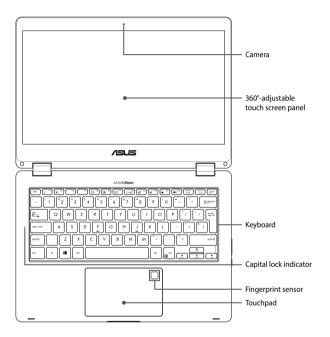
# IN SEARCH OF INCREDIBLE

User Guide

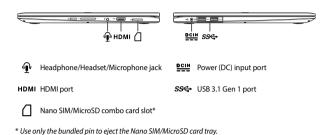


## **Top View**

**NOTE:** The keyboard's layout may vary per region or country. The top view may also vary in appearance depending on the Notebook PC model.



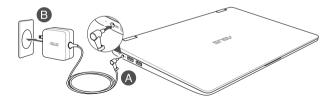
#### I/O ports and slots



## **Getting started**

- 1. Charge your Notebook PC
  - A. Connect the DC power connector into your Notebook PC's power (DC) input port.
  - B. Plug the AC power adapter into a 100V~240V power source.

 $\mbox{{\bf NOTE:}}$  The power adapter may vary in appearance, depending on models and your region.



- 2. Lift to open the display panel
- 3. Press the power button



Charge the Notebook PC for **3 hours** before using it in battery mode for the first time.

#### Safety notices for your Notebook PC

#### WARNING!

The bottom of the Notebook PC can get warm to hot while in use or while charging the battery pack. When working on your Notebook PC, do not place it on surfaces that can block the vents.

#### CAUTION!

- This Notebook PC should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).
- Refer to the rating label on the bottom of your Notebook PC and ensure that your power adapter complies with this rating.
- The power adapter may become warm to hot while in use. Do not cover the adapter and keep
  it away from your body while it is connected to a power source.

#### IMPORTANT!

- Ensure that your Notebook PC is connected to a grounded power adapter before turning it
  on for the first time.
- When using your Notebook PC on power adapter mode, the socket outlet must be near to the unit and easily accessible.
- Locate the input/output rating label on your Notebook PC and ensure that it matches the
  input/output rating information on your power adapter. Some Notebook PC models may
  have multiple rating output currents based on the available SKU.
- · Power adapter information:
  - Input voltage: 100-240Vac
  - Input frequency: 50-60Hz
  - Rating output current: 3.42A (65W)
  - Rating output voltage: 19V

#### WARNING!

Read the following precautions for your Notebook PC's battery:

- Only ASUS-authorized technicians should remove the battery inside the device (for non-removable battery only).
- The battery used in this device may present a risk of fire or chemical burn if removed or disassembled.
- Follow the warning labels for your personal safety.
- Risk of explosion if battery is replaced by an incorrect type.
- Do not dispose of in fire.

- Never attempt to short-circuit your Notebook PC's battery.
- Never attempt to disassemble and reassemble the battery (for non-removable battery only).
- · Discontinue usage if leakage is found.
- This battery and its components must be recycled or disposed of properly.
- Keep the battery and other small components away from children.

#### Avis concernant les batteries remplaçables

- La batterie de l'appareil peut présenter un risque d'incendie ou de brûlure si celle-ci est retirée ou désassemblée.
- La batterie et ses composants doivent être recyclés de facon appropriée.

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#### **Service and Support**

For complete E-Manual version, refer to our multi-language website at:

https://www.asus.com/support/

# 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

# FCC COMPLIANCE INFROMATION

Per FCC Part 2 Section 2 1077



Responsible Party: Asus Computer International

Address: 800 Corporate Way, Fremont, CA 94539.

Phone/Fax No: (510)739-3777/(510)608-4555

hereby declares that the product

Product Name : Notebook PC Model Number : TP370OL

compliance statement:

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.

Ver. 18012:

# FCC Radio Frequency (RF) Exposure Caution Statement

**WARNING!** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. "The manufacture declares that this device is limited to Channels 1 through 11 in the 2.4GHz frequency by specified firmware controlled in the USA."

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting. End users must follow the specific operating instructions for satisfying RF exposure compliance.

#### **RF Exposure Information (SAR)**

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found at

www.fcc.gov/general/fcc-id-search-page after searching on FCC ID: MSOTP370OL.

#### Canada, Industry Canada (IC) Notices

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada license-exempt RSS standard(s).

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The Country Code Selection feature is disabled for products marketed in US/Canada.

## Canada, avis d'Industrie Canada (IC)

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux normes CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

Cet appareil et son ou ses antenne(s) ne doivent pas être situés près de ou utilisés conjointement avec une autre antenne ou un autre émetteur, exception faite des radios intégrées qui ont été testées.

Son utilisation est sujette aux deux conditions suivantes: (1) cet appareil ne doit pas créer d'interférences et (2) cet appareil doit tolérer tout type d'interférences, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

#### **Radiation Exposure Statement**

This device has been tested for compliance with IC SAR values at a typical operating near the body. To ensure that RF exposure levels below the levels tested, use accessories with this equipment to maintain a minimum separation distance of 0 cm between the body of the user and the device. These accessories should not contain metallic components. It is possible that the accessories used close to the body that do not meet these requirements are not consistent with the SAR limits and it is advisable to avoid using them.

## Déclaration d'exposition aux radiations

Ce dispositif a été testé pour la conformité avec les valeurs SAR à un fonctionnement typique près du corps. Pour assurer que les niveaux d'exposition aux radiofréquences en deçà des niveaux testés, utiliser des accessoires avec cet équipement pour maintenir une distance de séparation minimale de 0 cm entre le corps de l'utilisateur et l'appareil. Ces accessoires ne doivent pas contenir des composants métalliques. Il est possible que les accessoires utilisés près du corps qui ne répondent pas à ces exigences ne sont pas compatibles avec les limites SAR et il est conseillé d'éviter de les utiliser.

#### Caution

- (i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
- (iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
- (v) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

#### **Avertissement**

- (i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement à une utilisation en intérieur afin de réduire les risques d'interférence préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux:
- (ii) Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;
- (iii) Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
- (iv) Les pires angles d'inclinaison nécessaires pour rester conforme à la limite de p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 (3), doivent être clairement indiqués.
- (v) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient créer des interférences et/ou des dommages aux dispositifs LAN-EL.

#### Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized. This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when installed in specific host products operated in portable exposure conditions.

Canada's REL (Radio Equipment List) can be found at the following web address: http://www.ic.gc.ca/app/sitt/reltel/srch/nwRdSrch.do?lang=eng

Additional Canadian information on RF exposure also can be found at the following web address:

http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html

# Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par cet appareil sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industrie Canada (IC). Utilisez l'appareil sans fil de façon à minimiser les contacts humains lors d'un fonctionnement normal. Cet appareil a été évalué et démontré conforme aux limites de DAS (Débit d'absorption spécifique) d'IC lorsqu'il est installé dans des produits hôtes particuliers qui fonctionnent dans des conditions d'exposition à des appareils portables.

Ce périphérique est homologué pour l'utilisation au Canada. Pour consulter l'entrée correspondant à l'appareil dans la liste d'équipement radio (REL - Radio Equipment List) d'Industrie Canada, rendez-vous sur

http://www.ic.gc.ca/app/sitt/reltel/srch/nwRdSrch.do?lang=eng

Pour des informations supplémentaires concernant l'exposition aux fréquences radio au Canada, rendez-vous sur http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html

#### **UL Safety Notices**

- DO NOT use the Notebook PC near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- DO NOT use the Notebook PC during an electrical storm. There may be a remote risk of
  electric shock from lightning.
- DO NOT use the Notebook PC in the vicinity of a gas leak.
- DO NOT dispose the Notebook PC battery pack in a fire, as they may explode. Check with local
  codes for possible special disposal instructions to reduce the risk of injury to persons due to
  fire or explosion.
- DO NOT use power adapters or batteries from other devices to reduce the risk of injury to
  persons due to fire or explosion. Use only UL certified power adapters or batteries supplied
  by the manufacturer or authorized retailers.

## **Power Safety Requirement**

Products with electrical current ratings up to 6A and weighing more than 3Kg must use approved power cords greater than or equal to: H05VV-F, 3G, 0.75mm<sup>2</sup> or H05VV-F, 2G, 0.75mm<sup>2</sup>.

#### **Coating Notice**

**IMPORTANT!** To provide electrical insulation and maintain electrical safety, a coating is applied to insulate the device except on the areas where the I/O ports are located.

#### **REACH**

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

# Global Environmental Regulation Compliance and Declaration

ASUS follows the green design concept to design and manufacture our products, and makes sure that each stage of the product life cycle of ASUS product is in line with global environmental regulations. In addition, ASUS disclose the relevant information based on regulation requirements.

Please refer to <a href="http://csr.asus.com/english/Compliance.htm">http://csr.asus.com/english/Compliance.htm</a> for information disclosure based on regulation requirements ASUS is complied with: Japan JIS-C-0950 Material Declarations, EU REACH SYHC, Korea ROHS

#### ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials. Please go to <a href="http://csr.asus.com/english/Takeback.htm">http://csr.asus.com/english/Takeback.htm</a> for detailed recycling information in different regions.

#### **Regional notice for California**



#### WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov

#### Regional notice for India

This product complies with the "India E-Waste (Management) Rules, 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in concentrations exceeding 0.1% by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except for the exemptions listed in Schedule II of the Rule.

#### Simplified EU Declaration of Conformity

ASUSTek Computer Inc. hereby declares that TP370QL is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Full text of EU declaration of conformity is available at <a href="https://www.asus.com/support/">https://www.asus.com/support/</a>.

The WiFi operating in the band 5150-5350 MHz shall be restricted to indoor use for countries listed in the table below:

AT	BE	BG	CZ	DK	EE	FR
DE	IS	IE	IT	EL	ES	CY
LV	LI	LT	LU	HU	MT	NL
NO	PL	PT	RO	SI	SK	TR
FI	SE	CH	UK	HR		



A minimum separation distance of 0 cm must be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in Europe.

#### **Prevention of Hearing Loss**

To prevent possible hearing damage, do not listen at high volume levels for long periods.



## **RF Exposure Information**

This ASUS product has been tested and meets applicable European SAR limits. The SAR limit is 2.0 W/Kg in countries that set the limit averaged over 10 grams of tissue.

When carrying this device or using it while worn on the body, either use an approved accessory such as a holster or otherwise maintain a distance of 0 cm from the body to ensure compliance with RF exposure requirements.

## **RED RF Output table**

Function	Frequency	Maximum Output Power		
	BT	6.96 dBm		
	BT LE	5.56 dBm		
	2.4GHz 11b	18.49 dBm		
	2.4GHz 11g	17.32 dBm		
	2.4GHz 11n HT20 (MIMO)	18.73 dBm		
	2.4GHz 11n HT40 (MIMO)			
	5GHz 11a			
	5GHz 11an HT20 (MIMO)	18.54 dBm		
	5GHz 11an HT40 (MIMO)	19.01 dBm		
	5GHz 11an VHT80 (MIMO)			
	Band 1	23.30 dBm		
	Band 3	23.59 dBm		
	Band 8	23.6 dBm		
	Band 1			
	Band 3	23.25 dBm		
	Band 7	22.82 dBm		
	Band 8	23.38 dBm		
	Band 20	24.25 dBm		
	Band 38	22.85 dBm		
	Band 42	24 dBm		

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