

# Safety and regulatory guide

**htc**

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### Please read before proceeding

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THE BATTERY IS NOT FULLY CHARGED WHEN YOU TAKE THE DEVICE OUT OF THE BOX.

### Privacy restrictions

Some countries require full disclosure of recorded telephone conversations.

### Pictograms and graphic symbols

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Read this manual's Safety Information and General Precautions.



Do not use while re-fuelling



Do not use hand-held while driving



This device may produce a bright or flashing light



For body-worn operation maintain a separation of 1.5 cm



Do not dispose of in a fire



Small parts may cause a choking hazard



Avoid contact with magnetic media



This device may produce a loud sound



Avoid extreme temperatures



Keep away from pacemakers and other personal medical devices



Avoid contact with liquid, keep dry



Switch off when instructed in hospitals and medical facilities



Do not try and disassemble



Switch off when instructed in aircraft and airports



Do not rely on this device for emergency communications



Switch off in  
explosive  
environments



Only use approved  
accessories

## Important health information and safety precautions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages.

Retain and follow all product safety and operating instructions.

Observe all warnings in the operating instructions on the product.

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the following precautions.

### Electrical safety

This product is intended for use when supplied with power from the designated battery or power supply unit. Other usage may be dangerous and will invalidate any approval given to this product.

### Safety precautions for proper grounding installation

**CAUTION:** Connecting to improperly grounded equipment can result in an electric shock to your device.

This product is equipped with a USB Cable for connecting with desktop or notebook computer. Be sure your computer is properly grounded (earthed) before connecting this product to the computer. The power supply cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

### Safety precautions for power supply unit

- **Use the correct external power source**

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

This product should be operated only with the following designated power supply unit(s).

**AC adapter:**

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HTC, Model TC P5000-US, TC P5000-EU, TC P5000-UK  
TC P5000-AU, TC P5000-IN, TC P5000-CN

Handle battery packs carefully

This product contains a Lithium-ion polymer or Lithium-ion battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture, short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60°C (140°F).



**WARNING:** To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60°C (140°F), or dispose of in fire or water. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.



### ▪ Take extra precautions

- Keep the device dry and away from water or any liquid as it may cause a short circuit.
- The phone should only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- If the battery leaks:
  - Do not allow the leaking fluid to come in contact with skin or clothing. If already in contact, flush the affected area immediately with clean water and seek medical advice.
  - Do not allow the leaking fluid to come in contact with eyes. If already in contact, DO NOT rub; rinse with clean water immediately and seek medical advice.
  - Take extra precautions to keep a leaking battery away from fire as there is a danger of ignition or explosion.

### Safety precautions for direct sunlight

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind a glass that is exposed

to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

## Prevention of hearing loss



**CAUTION:** Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

This device and earphone have been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1 and/or EN 50332-2 standards.

## Safety in aircraft

Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device when on board an aircraft, remember to turn off your phone by switching to Airplane Mode.

## Environment restrictions

Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fuelling areas, fuel storehouses, below deck on boats, chemical plants, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

## Explosive atmospheres

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refueling points such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fueling areas, below deck on boats, fuel or chemical transfer or storage facilities, and

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areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

### Road safety

Full attention must be given to driving at all times in order to reduce the risk of an accident. Using a phone while driving (even with a hands free kit) causes distraction and can lead to an accident. You must comply with local laws and regulations restricting the use of wireless devices while driving.

### Safety precautions for RF exposure

- Avoid using your phone near metal structures (for example, the steel frame of a building).
- Avoid using your phone near strong electromagnetic sources, such as microwave ovens, sound speakers, TV and radio.
- Use only original manufacturer-approved accessories, or accessories that do not contain any metal.
- Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

### Interference with medical equipment functions

This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

### Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

### Electrical safety

- Accessories
  - Use only approved accessories.
  - Do not connect with incompatible products or accessories.

- **Connection to a car**  
Seek professional advice when connecting a phone interface to the vehicle electrical system.
- **Faulty and damaged products**
  - Do not attempt to disassemble the phone or its accessory.
  - Only qualified personnel must service or repair the phone or its accessory.

## General precautions

You alone are responsible for how you use your phone and any consequences of its use. You must always switch off your phone wherever the use of a phone is prohibited. Use of your phone is subject to safety measures designed to protect users and their environment.

- **Avoid applying excessive pressure to the device**  
Do not apply excessive pressure on the screen and the device to prevent damaging them and remove the device from your pants' pocket before sitting down. It is also recommended that you store the device in a protective case and only use the device stylus or your finger when interacting with the touch screen. Cracked display screens due to improper handling are not covered by the warranty.
- **Protect your phone**
  - Always treat your phone and its accessories with care and keep them in a clean and dust-free place.
  - Do not expose your phone or its accessories to open flames or lit tobacco products.
  - Do not drop, throw or try to bend your phone or its accessories.
  - Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
  - Do not paint your phone or its accessories.
  - Do not attempt to disassemble your phone or its accessories, only authorised personnel must do so.
  - Store your phone or its accessories at temperatures between 0° C to 40° C.
  - Please check local regulations for disposal of electronic products.
  - Do not carry your phone in your back pocket as it could break when you sit down.
- **Damage requiring service**  
Unplug the product from the electrical outlet and refer servicing

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to an authorized service technician or provider under the following conditions:

- The product has been exposed to rain or liquid, dropped, subject to impact or damaged.
- There are noticeable signs of overheating.
- The product does not operate normally when you follow the operating instructions.

### ▪ Avoid hot areas

The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

### ▪ Avoid wet areas

Never use the product in rain, or near washbasins or other wet or high humidity locations. If your product gets wet, do not try to dry the product with the use of an oven or dryer, as this may damage your product.

### ▪ Avoid using your device after a dramatic change in temperature

When you move your device between environments with very different temperature and/or humidity ranges, condensation may form on or within the device. To avoid damaging the device, allow sufficient time for the moisture to evaporate before using the device.

**NOTICE:** When taking the device from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the device to acclimate to room temperature before turning on power.

### ▪ Avoid pushing objects into product

Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

### ▪ Adjust the volume

Turn down the volume before using headphones or other audio devices.

### ▪ Cleaning

Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but NEVER use water to clean the LCD screen.

### ▪ Small children

Do not leave your phone and its accessories within the reach of small children or allow them to play with it. They could hurt themselves or others, or could accidentally damage the phone. Your phone contains small parts with sharp edges that may



cause an injury or which could become detached and create a choking hazard. Consult the doctor immediately if the accessories or battery are swallowed.

▪ **Repetitive motion injuries**

To minimise the risk of RSI, when Texting or playing games with your phone:

- Do not grip the phone too tightly
- Press the buttons lightly

▪ **Electrostatic discharge (ESD)**

Do not touch the SIM card's metal connectors.

▪ **Emergency calls**

This phone, like any wireless phone, operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless phone for emergency communications.

## **Regulatory agency identifications**

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For regulatory identification purposes, your product is assigned a model number of X2-HT.

FCC ID: NM8X2-HT

To view your FCC ID in your device you may also go to the Settings menu → About Phone → Legal Information → Regulatory.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your X2-HT.

The Battery Pack has been assigned a model number of B2Q3F100.

Operating temperature range: 32 °F to 104 °F (0 °C to 40 °C)

## **European Union notice**

Products with CE marking comply with the Radio Equipment Directive (2014/53/EU) issued by the Commission of the European Community.

This radio equipment operates with the following frequency bands and maximum radio-frequency power:

Maximum Tune-up Conducted Power (Unit:dBm)

GSM 900: 33.5

GSM 1800: 30.5

WCDMA Band VIII: 24.5

WCDMA Band I: 24.5

LTE Band 1: 23.5

LTE Band 3: 23.5

LTE Band 8: 22.5

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802.11 b: 18.5

802.11 g: 17

802.11 n HT20 (2.4GHz): 17

802.11 n HT40 (2.4GHz): 16.5

802.11 a: 17

802.11 n HT20 (5GHz): 17

802.11 n HT40 (5GHz): 17

802.11 ac: 17

Bluetooth: 9.0

ANT+: -2.01

NFC 13.56 MHz: -14.05dBuA/m at 10m

The operation of 5.15-5.35GHz is restricted to indoor use in all EU Member States.

### SAR information

Head: 0.12 W/kg@10g (CE)

Body: 1.10 W/kg@10g (CE)

### Federal Communications Commission notice

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.

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 TV reception, which can be determined by turning the equipment on and off, 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 or television technician for help.

### Modifications

The FCC requires the user to be notified that any changes or modifications made to the device that are not expressly approved by HTC Corporation may void the user's authority to operate the equipment.

### FCC RF Radiation Exposure Statement

- This Transmitter has been demonstrated co-location compliance requirements with Bluetooth and WLAN.  
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

### Exposure to Radio Frequency Energy

Your wireless device has an internal antenna that emits radio frequency (RF) energy. Human exposure to RF energy has been and continues to be the subject of scientific research. According to the U.S. Food and Drug Administration (FDA), "the weight of scientific evidence has not linked cell phones with any health problems." You can access this FDA publication and other information on human exposure to RF energy at:

U.S. Food and Drug Administration:

<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/ucml16282.htm>

Federal Communications Commission:

<http://www.fcc.gov/encyclopedia/radio-frequency-safety>

NIH National Institute of Environmental Health Sciences:

<http://www.niehs.nih.gov/health/topics/agents/cellphones/>

World Health Organization:

<http://www.who.int/mediacentre/factsheets/fs193/en/>

IEEE Committee on Man and Radiation:

<http://ewh.ieee.org/soc/embs/comar/>

International Commission on Non-Ionizing Radiation Protection:

<http://www.icnirp.de/>

### Specific Absorption Rate (SAR) Testing

Your device has been designed to comply with applicable limits for RF exposure. These limits use a unit of measurement called Specific Absorption Rate, or SAR, which refers to the rate at which

the body absorbs RF energy. The Federal Communications Commission (FCC) has established a SAR limit for mobile phones of 1.0W/kg, which applies in the United States and other countries that follow the FCC's SAR limit. This limit is based upon standards developed by expert non-government organizations, such as the Institute of Electrical and Electronics Engineers (IEEE) and the National Council on Radiation Protection and Measurements (NCRP), and input from other federal agencies such as the FDA and EPA. In countries that follow the Council of the European Union, the SAR limit is 2.0 W/kg.

SAR testing is conducted with the device placed in common operating positions (e.g., held against the head, worn on the body) and transmitting at its highest certified power level in each frequency band of operation. Because the device is transmitting at its highest certified power level, SAR tests capture a worst-case operating scenario and therefore often do not reflect the amount of RF exposure during normal, everyday use. More information on SAR testing is available on the FCC's website at

<http://www.fcc.gov/guides/wireless-devices-and-health-concerns>.

HTC Corp. submitted SAR test results demonstrating compliance with the FCC's SAR limit for wireless devices as part of the FCC's equipment certification process for this device. These results can be accessed via the FCC's equipment authorization database (found at <https://www.fcc.gov/fccid>) by searching for the device's FCC ID: NM8X2-HT. This device's maximum SAR values as reported to the FCC are:

### **SAR information**

Head: 0.35 W/kg@1g (FCC)

Body: 0.70 W/kg@1g (FCC)

This device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

### **Body-worn Operation**

This device was tested for typical body-worn operations. A

Operation temperature

separation distance must be maintained between the user's body and the handset, including the antenna:

- 0.5 cm to comply with the RF exposure requirements in Europe
- 1 cm to comply with the RF exposure requirements in the U.S.

Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn

accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

## Telecommunications & Internet Association (TIA) safety information

### Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 15 cm (6 inches) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

### WEEE notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.



The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be discarded in a landfill. Electronic devices contain substances that may be hazardous to the environment if not properly disposed of. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household

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waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

### **RoHS compliance**

This product is in compliance with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.



## DECLARATION OF CONFORMITY

Intended for use in EU

For the following equipment:

Smartphone  
(Product Description)  
TBD  
(Product Marketing Name)  
X2-HT  
(Product Name)  
HTC Corporation  
(Manufacturer Name)  
No.23, Xinghua Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)  
(Manufacturer Address)  
0.96.90762.6  
(Software Version)  
Telefication B.V. / 0560 / Module B+C  
(Notified Body Name / Number / Module Type)  
Adaptor, USB cable, Earphone  
(Supplied Accessories and components)  
Smartphone with LTE B1, B3, B8  
(Object of the Declaration)

declare under our sole responsibility that the device complies with the essential requirements of Article 3 of the Directive 2014/53/EU, if used for its intended use and that the following standards has been applied:

**1. Health (Article 3.1.a of the Directive 2014/53/EU)**

Applied standard(s): EN 50360: 2001/A1: 2012/EN 50566: 2013/ AC:2014  
EN 62479: 2010/ EN 62209-1 : 2016/ -2: 2010

**2. Safety (Article 3.1.a of the Directive 2014/53/EU)**

Applied standard(s): EN 60950-1: 2006 + A11: 2009 + A1: 2010+A12:2011 + A2: 2013

**3. Electromagnetic compatibility (Article 3.1.b of the Directive 2014/53/EU)**

Applied standard(s): Draft EN 301 489-1 V2.2.0 / -17 V3.2.0  
Draft EN 301 489-3 V2.1.1/-19 V2.1.0/-52 V1.1.0

**4. Efficient use of the radio frequency spectrum (Article 3.2 of the Directive 2014/53/EU)**

Applied standard(s): EN 300 328 V2.1.1/EN 301 893 V2.1.1/EN 300 440 V2.1.1  
EN 303 413 V1.1.1/EN 301 511 V9.0.2/EN 300 330 V2.1.1  
EN 301 908-1 V11.1.1/-2 V11.1.1/-13 V11.1.1


**Additional Compliance:**

Energy: Regulation 278/2009

Restricted Substances: EN 50581:2012, RoHS Directive 2011/65/EU

The notified body (Name:Telefication BV, ID: 0560) performed the conformity assessment according to Annex III of the RE Directive and issued the EU-type examination certificate(Ref. No.: TBD).

Person responsible for making this declaration:

  
Graham Wheeler  
(Name and signature)  
Product Director  
(Position / Title)  
United Kingdom September 29, 2017  
(Place) (Date)



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