



# Asus X756U E-Manual



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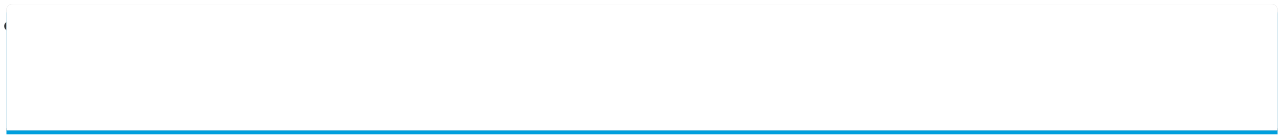
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E11215

Revised Edition V2

January 2016

# E-Manual



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## [Laptop Asus X456U E-Manual](#)

(120 pages)

## Summary of Contents for Asus X756U

[Page 1](#) E11215 Revised Edition V2 January 2016 E-Manual...

[Page 2](#) 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.

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### [Page 7: About This Manual](#)

About this manual This manual provides information about the hardware and software features of your Notebook PC, organized through the following chapters: Chapter 1: Hardware Setup This chapter details the hardware components of your Notebook Chapter 2: Using your Notebook PC This chapter shows you how to use the different parts of your Notebook PC.

[Page 8](#) Chapter 5: Upgrading your Notebook PC This chapter guides you through the process of replacing and upgrading parts of your Notebook PC. Tips and FAQs This section presents some recommended tips, hardware FAQs, and software FAQs you can refer to for maintaining and fixing common issues with your Notebook PC.

### [Page 9: Conventions Used In This Manual](#)

Conventions used in this manual To highlight key information in this manual, some text are presented as follows: **IMPORTANT!** This message contains vital information that must be followed to complete a task. **NOTE:** This message contains additional information and tips that can help complete tasks.

## [Page 10: Safety Precautions](#)

Safety precautions Using your Notebook PC 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.

## [Page 11: Caring For Your Notebook Pc](#)

Caring for your Notebook PC Disconnect the AC power and remove the battery pack (if applicable) before cleaning your Notebook PC. Use a clean cellulose sponge or chamois cloth dampened with a solution of nonabrasive detergent and a few drops of warm water. Remove any extra moisture from your Notebook PC using a dry cloth.

## [Page 12: Proper Disposal](#)

Proper disposal Do not throw your Notebook PC 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.

## [Page 13: Chapter 1: Hardware Setup](#)

Chapter 1: Hardware Setup Notebook PC E-Manual...

## [Page 14: Getting To Know Your Notebook Pc](#)

Getting to know your Notebook PC Top View NOTE: The keyboard's layout may vary per region or country. The Notebook view may also vary in appearance depending on the Notebook PC model. 14" model Notebook PC E-Manual...

## [Page 15](#) 15" and 17" model Notebook PC E-Manual...

[Page 16](#) Microphone (on selected models) The built-in microphone can be used for video conferencing, voice narrations, or simple audio recording. Microphone The built-in microphone can be used for video conferencing, voice narrations, or simple audio recording. Camera indicator The camera indicator lights up when the built-in camera is in use.

[Page 17](#) Keyboard The keyboard provides full-sized QWERTY keys with a comfortable travel depth for typing. It also enables you to use the function keys, allows quick access to Windows®, and controls other multimedia functions. NOTE: The keyboard layout differs by model or territory. Touchpad The touchpad allows the use of multi-gestures to navigate onscreen, providing an intuitive user experience.

[Page 18](#) Two-color battery charge indicator The two-color LED provides a visual indication of the battery's charge status. Refer to the following table for details: Color Status Solid White The Notebook PC is plugged to a power source and the battery power is between 95% and 100%.

[Page 19](#) Drive activity indicator This indicator lights up when your Notebook PC is accessing the internal storage drives. Airplane mode indicator This indicator lights up when the Airplane mode in your Notebook PC is enabled. NOTE: When enabled, the Airplane mode disables all wireless connectivity.

## [Page 20: Bottom](#)

Bottom NOTE: The bottom side may vary in appearance depending on model. 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. IMPORTANT! Battery time varies by usage and by the specifications for this Notebook PC.

[Page 21](#) Audio speakers The built-in audio speakers allow you to hear audio straight from your Notebook PC. Audio features are software-controlled. RAM module compartment This compartment allows you to add RAM (Random Access Memory) modules to increase the memory capacity of your Notebook PC.

## [Page 22: Right Side](#)

Right Side 14" and 15" model 17" model Memory card reader This built-in memory card reader supports SD card formats. Headphone/Headset/Microphone jack This port allows you to connect amplified speakers or headphones. You can also use this port to connect your headset or an external microphone.

[Page 23](#) Optical drive (on selected models) Your Notebook PC's optical drive may support several disc formats such as CDs, DVDs, recordable discs, or rewritable discs. NOTE: For more details, refer to the Using the optical drive section in this manual. Optical disc drive eject button Press this button to eject the optical drive tray.

## [Page 24: Left Side](#)

Left Side 14" and 15" model 17" model Power (DC) input port Insert the bundled power adapter into this port to charge the battery pack and supply power to your Notebook PC. WARNING! The 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.

[Page 25](#) VGA port This port allows you to connect your Notebook PC to an external display. HDMI port This port is for the HDMI (High-Definition Multimedia Interface) connector and is HDCP compliant for HD DVD, Blu-ray, and other protected content playback. USB 3.0 port The USB 3.0 (Universal Serial Bus 3.0) port provides a transfer rate of up to 5 Gbit/s and is backward compatible to USB 2.0.

## [Page 26: Front Side](#)

Front Side 14" model 15" and 17" model Status indicators The status indicators help identify the current hardware status of your Notebook PC. NOTE: For more details, refer to the Top View section in this manual. Notebook PC E-Manual...

## [Page 27: Chapter 2: Using Your Notebook Pc](#)

Chapter 2: Using your Notebook PC Notebook PC E-Manual...

## [Page 28: Getting Started](#)

Getting started Charge your Notebook PC Connect the AC power cord to the AC/DC adapter. Plug the AC power adapter into a 100V~240V power source. Connect the DC power connector into your Notebook PC's power (DC) input. Charge the Notebook PC for 3 hours before using it in battery mode for the first time.

[Page 29](#) • The socket outlet must be easily accessible and near your Notebook • To disconnect your Notebook PC from its main power supply, unplug your Notebook PC from the power socket. 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.

## [Page 30: Lift To Open The Display Panel](#)

Lift to open the display panel Press the power button Notebook PC E-Manual...

## [Page 31: Using The Touchpad](#)

Using the touchpad Moving the pointer You can tap anywhere on the touchpad to activate its pointer, then slide your finger on the touchpad to move the pointer onscreen. Slide horizontally Slide vertically Slide diagonally Notebook PC E-Manual...

[Page 32](#) One-finger gestures Tap/Double-tap • Tap an app to select it. • Double-tap an app to launch it. Drag and drop Double-tap an item, then slide the same finger without lifting it off the touchpad. To drop the item to its new location, lift your finger from the touchpad. Notebook PC E-Manual...

[Page 33](#) Left-click Right-click • Click an app to select it. Click this button to open the right-click menu. • Double-click an app to launch it. NOTE: The areas inside the dotted line represent the locations of the left mouse button and the right mouse button on the touchpad. Two-finger



gestures Two-finger scroll (up/down) Two-finger scroll (left/right)

[Page 34](#) Zoom out Zoom in Bring together your two fingers Spread apart your two fingers on the touchpad. the touchpad. Drag and drop Select an item then press and hold the left button. Using your other finger, slide on the touchpad to drag the item, lift your finger off the button to drop the item.

### [Page 35: Using The Keyboard](#)

Using the keyboard Function keys The function keys on your Notebook PC's keyboard can trigger the following commands: Puts the Notebook PC into Sleep mode Turns Airplane mode on or off NOTE: When enabled, the Airplane mode disables all wireless connectivity. Decreases display brightness Increases display brightness Turns the display panel on or off...

### [Page 36: Windows® 10 Keys](#)

Enables or disables the touchpad Turns the speaker on or off Turns the speaker volume down Turns the speaker volume up Windows® 10 keys There are two special Windows® keys on your Notebook PC's keyboard used as below: Launches the Start menu Displays the drop-down menu Notebook PC E-Manual...

### [Page 37: Multimedia Control Keys](#)

Multimedia control keys The multimedia control keys allow you to control multimedia files, such as audios and videos, when played in your Notebook PC. Press in combination with the arrow keys on your Notebook PC, illustrated as below. Stop Skip to Play or Skip to previous...

### [Page 38: Using The Numeric Keypad](#)

Using the numeric keypad NOTE: The numeric keypad layout may differ by model or territory but the usage procedures remain the same. A numeric keypad is available on selected Notebook PC models. You can use this keypad for numeric input or as pointer direction keys. Press toggle between using the keypad as number...

### [Page 39: Using The Optical Drive](#)

Using the optical drive NOTE: • The actual location of the electronic eject button may vary depending on your Notebook PC model. • The actual appearance of the Notebook PC optical drive may also vary depending on model but usage procedures remain the same. • The optical drive is available on selected models. Inserting an optical disc While the Notebook PC is on, press the electronic eject button to partially eject the optical drive tray.

[Page 40](#) Gently pull out the drive tray. IMPORTANT! Be careful not to touch the optical drive lens. Ensure that there are no objects that may get jammed under the drive tray. Hold the disc by the edge with its printed side up, then gently place it inside the hub.

[Page 41](#) Push the drive tray gently to close the optical drive. NOTE: While data is being read, it is normal to hear some spinning and vibrating in the optical drive. Using the manual eject hole The manual eject hole is located on the optical drive door and is used to eject the optical drive tray in case the electronic eject button does not work.

[Page 42](#) Notebook PC E-Manual...

### [Page 43: Chapter 3: Working With Windows](#)

Chapter 3: Working with Windows® 10 Notebook PC E-Manual...

### [Page 44: Starting For The First Time](#)

Starting for the first time When you start your Notebook PC for the first time, a series of screens appear to guide you in configuring your Windows® 10 operating system. To start your Notebook PC for the first time: Press the power button on your Notebook PC. Wait for a few minutes until the setup screen appears.

### [Page 45: Start Menu](#)

Start menu The Start menu is the main gateway to your Notebook PC's programs, Windows® apps, folders, and settings. Change account settings, lock, or sign out from your account Launch an app from the Start screen Launch an app from the taskbar Launch Taskview Launch Search

Launch the Start menu...

[Page 46](#) Launching the Start menu Position your mouse pointer over the Start button in the lower-left corner of your desktop then click it. Press the Windows logo key on your keyboard. Opening programs from the Start menu One of the most common uses of the Start menu is opening programs installed on your Notebook PC.

### [Page 47: Windows® Apps](#)

Windows ® apps These are apps pinned on the right pane of the Start menu and displayed in tiled-format for easy access. NOTE: Some Windows® apps require signing in to your Microsoft account before they are fully launched. Notebook PC E-Manual...

### [Page 48: Working With Windows® Apps](#)

Working with Windows® apps Use your Notebook PC's touchpad or keyboard to launch, customize, and close apps. Launching Windows® apps from the Start menu Position your mouse pointer over the app then click to launch it. Use the arrow keys to browse through the apps. Press to launch an app.

[Page 49](#) Resizing apps Position your mouse pointer over the app and right-click it, then click Resize and select an app tile size. Use the arrow keys to navigate to the app. Press then select Resize and select an app tile size. Unpinning apps Position your mouse pointer over the app and right-click it, then click Unpin from Start.

[Page 50](#) Pinning apps to the taskbar Position your mouse pointer over the app and right-click it, then click Pin to taskbar. Use the arrow keys to navigate to the app. Press then select Pin to taskbar. Pinning more apps to the Start menu From All apps, position your mouse pointer over the app you want to add to the Start menu and right-click it, then click Pin to Start.

### [Page 51: Task View](#)

Task view Quickly switch between opened apps and programs using the task view feature, you can also use task view to switch between desktops. Launching task view Position your mouse pointer over the icon on the taskbar and click it. Press on your keyboard.

### [Page 52: Snap Feature](#)

Snap feature The Snap feature displays apps side-by-side, allowing you to work or switch between apps. Snap hotspots You can drag and drop apps to these hotspots to snap them into place. Notebook PC E-Manual...

[Page 53](#) Using Snap Launch the app you wish to snap. Drag the title bar of your app and drop the app to the edge of the screen to snap. Launch another app and repeat the above steps to snap another app. Launch the app you wish to snap.

### [Page 54: Action Center](#)

Action Center Action Center consolidates notifications from apps and presents a single place where you can interact with them. It also has a really useful Quick Actions section at the bottom. Launching Action Center Position your mouse pointer over the icon on the taskbar and click it.

### [Page 55: Other Keyboard Shortcuts](#)

Other keyboard shortcuts Using the keyboard, you can also use the following shortcuts to help you launch applications and navigate Windows® 10. Launches Start menu Launches Action Center Launches the desktop Launches the File Explorer Opens the Share panel Launches Settings Launches Connect panel Activates the Lock screen Minimizes all currently active windows...

[Page 56](#) Launches Search Launches Project panel Opens the Run window Opens Ease of Access Center Opens the context menu of the Start button Launches the magnifier icon and zooms in your screen Zooms out your screen Opens Narrator Settings Notebook PC E-Manual...

### [Page 57: Connecting To Wireless Networks](#)

Connecting to wireless networks Wi-Fi Access emails, surf the Internet, and share applications

via social networking sites using your Notebook PC's Wi-Fi connection. IMPORTANT! Airplane mode disables this feature. Ensure that Airplane mode is turned off before enabling the Wi-Fi connection of your Notebook PC.

### [Page 58: Bluetooth](#)

Bluetooth Use Bluetooth to facilitate wireless data transfers with other Bluetooth-enabled devices. IMPORTANT! Airplane mode disables this feature. Ensure that Airplane mode is turned off before enabling the Bluetooth connection of your Notebook PC. Pairing with other Bluetooth-enabled devices You need to pair your Notebook PC with other Bluetooth-enabled devices to enable data transfers.

### [Page 59: Airplane Mode](#)

Airplane mode Airplane mode disables wireless communication, allowing you to use your Notebook PC safely while in-flight. NOTE: Contact your airline provider to learn about related in-flight services that can be used and restrictions that must be followed when using your Notebook PC in-flight. Turning Airplane mode on Launch Action Center from the taskbar.

### [Page 60: Connecting To Wired Networks](#)

Connecting to wired networks You can also connect to wired networks, such as local area networks and broadband Internet connection, using your Notebook PC's LAN port. NOTE: Contact your Internet Service Provider (ISP) for details or your network administrator for assistance in setting up your Internet connection.

[Page 61](#) Return to the Network and Sharing Center window then select Set up a new connection or network. Select Connect to the Internet then select Next. Select Broadband (PPPoE). Type your User name, Password, and Connection name then select Connect. Select Close to finish the configuration. Select on the taskbar then select the connection you just created.

### [Page 62: Turning Your Notebook Pc Off](#)

Turning your Notebook PC off You can turn off your Notebook PC by doing either of the following procedures:

- Launch the Start menu, then select > Shut down to do a normal shutdown. > Shut down.
- From the log-in screen, select • Press to launch Shut down Windows.

### [Page 63: Putting Your Notebook Pc To Sleep](#)

Putting your Notebook PC to sleep To put your Notebook PC to Sleep mode:

- Launch the Start menu, then select > Sleep to put your Notebook PC to sleep. > Sleep.
- From the log-in screen, select Press to launch Shut down Windows. Select Sleep from the drop-down list then select OK.

NOTE: You can also put your Notebook PC to Sleep mode by pressing the power button once.

[Page 64](#) Notebook PC E-Manual...

### [Page 65: Chapter 4: Power-On Self-Test \(Post\)](#)

Chapter 4: Power-On Self-Test (POST) Notebook PC E-Manual...

### [Page 66: The Power-On Self-Test \(Post\)](#)

The Power-On Self-Test (POST) The POST (Power-On Self-Test) is a series of software-controlled diagnostic tests that run when you turn on or restart your Notebook PC. The software that controls the POST is installed as a permanent part of the Notebook PC's architecture. Using POST to access BIOS and Troubleshoot During POST, you can access the BIOS settings or run troubleshooting options using the function keys of your Notebook PC.

### [Page 67: Bios Settings](#)

BIOS Settings NOTE: The BIOS screens in this section are for reference only. The actual screens may differ by model and territory. Boot This menu allows you to set your boot option priorities. You may refer to the following procedures when setting your boot priority. On the Boot screen, select Boot Option #1.

[Page 68](#) and select a device as the Boot Option #1. Press Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc. Main Advanced Boot Security Save & Exit Boot Configuration Sets the system boot order Fast Boot [Enabled] Launch CSM [Disabled] Driver Option Priorities

Boot Option #1 Boot Option Priorities...

[Page 69](#) Security This menu allows you to set up the administrator and user password of your Notebook PC. It also allows you to control the access to your Notebook PC's hard disk drive, input/output (I/O) interface, and USB interface. NOTE: If you install a User Password, you will be prompted to input this •...

[Page 70](#) To set the password: On the Security screen, select Administrator Password or User Password. Type in a password then press Re-type to confirm the password then press To clear the password: On the Security screen, select Administrator Password or User Password.

[Page 71](#) I/O Interface Security In the Security menu, you can access I/O Interface Security to lock or unlock some interface functions of your Notebook PC. Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc. Security If Locked, LAN I/O Interface Security controller will be disabled.

[Page 72](#) USB Interface Security Through the I/O Interface Security menu, you can also access USB Interface Security to lock or unlock ports and devices. Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc. Security If Locked, all USB Interface Security USB device will be disabled USB Interface...

[Page 73](#) Set Master Password In the Security menu, you can use Set Master Password to set up a password-enabled access to your hard disk drive. Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc. Main Advanced Boot Security Save & Exit Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.

[Page 74](#) Save & Exit To keep your configuration settings, select Save Changes and Exit before exiting the BIOS. Aptio Setup Utility - Copyright (C) 2015 American Megatrends, Inc. Main Advanced Boot Security Save & Exit Exit system setup Save Changes and Exit after saving the Discard Changes and Exit changes.

[Page 75](#) To update the BIOS: Verify the Notebook PC's exact model then download the latest BIOS file for your model from the ASUS website. Save a copy of the downloaded BIOS file to a flash disk drive. Connect your flash disk drive to your Notebook PC.

[Page 76](#) Locate your downloaded BIOS file in the flash disk drive then press ASUSTek Easy Flash Utility FLASH TYPE: Generic Flash Type Current BIOS New BIOS Platform: X456U/X556U/X756U Platform: Unknown Version: Unknown Version: 101 Build Date: Unknown Build Date: Apr 26 2015...

## [Page 77: Recovering Your System](#)

Recovering your system Using recovery options on your Notebook PC allows you to restore the system to its original state or simply refresh its settings to help improve performance. IMPORTANT! • Backup all your data files before doing any recovery option on your Notebook PC.

## [Page 78: Performing A Recovery Option](#)

- Go back to an earlier build - This option allows you to go back to an earlier build. Use this option if this build is not working for you.
- Advanced startup - Using this option allows you to perform other advanced recovery options on your Notebook PC such as: Using a USB drive, network connection or Windows recovery DVD to startup your Notebook PC.

[Page 79](#) Under the Update and security option, select Recovery then select the recovery option you would like to perform. Notebook PC E-Manual...

[Page 80](#) Notebook PC E-Manual...

## [Page 81: Chapter 5: Upgrading Your Notebook Pc](#)

Chapter 5: Upgrading your Notebook PC Notebook PC E-Manual...

## [Page 82: Removing The Compartment Cover](#)

Removing the compartment cover Remove the screw from the Notebook PC's compartment cover. Pull out the compartment cover and remove it completely from your Notebook PC.

Notebook PC E-Manual...

[Page 83](#) To reattach the compartment cover: Align and reattach the cover of the compartment. Secure the cover using the screws you removed earlier. Notebook PC E-Manual...

### [Page 84: Installing A Ram Module](#)

Installing a RAM module Upgrade the memory capacity of your Notebook PC by installing a RAM (Random Access Memory) module in the memory module compartment. The following steps show you how to install a RAM module into your Notebook PC: WARNING! Disconnect all the connected peripherals, any telephone or telecommunication lines and power connector (such as external power supply, battery pack, etc.) before removing the compartment cover.

[Page 85](#) Remove the compartment cover. NOTE: For more details, refer to the Removing the compartment cover section of this E-Manual. Align and insert the RAM module into the RAM module slot. Push down the RAM module until it clicks in place. angle notches Notebook PC E-Manual...

[Page 86](#) Notebook PC E-Manual...

### [Page 87: Tips And Faqs](#)

Tips and FAQs Notebook PC E-Manual...

### [Page 88: Useful Tips For Your Notebook Pc](#)

Useful tips for your Notebook PC To help you maximize the use of your Notebook PC, maintain its system performance, and ensure all your data are kept secured, here are some useful tips that you can follow: • Update Windows® periodically to ensure that your applications have the latest security settings. •...

### [Page 89: Hardware Faqs](#)

I turn on the Notebook PC. What should I do? Although these dots normally appear onscreen, they will not affect your system. If the incident continues and subsequently affects system performance, consult an authorized ASUS service center. My display panel has an uneven color and brightness. How...

[Page 90](#) • Check if your speakers were set to mute. • Check if a headphone jack is connected to your Notebook PC and remove it. What should I do if my Notebook PC's power adapter gets lost or my battery stops working? Contact your local ASUS service center for assistance. Notebook PC E-Manual...

[Page 91](#) My Notebook PC cannot do keystrokes correctly because my cursor keeps on moving. What should I do? Make sure that nothing accidentally touches or presses on your touchpad while you type on the keyboard. You can also disable your touchpad by pressing Instead of showing letters, pressing the "U", "I", and "O"...

### [Page 92: Software Faqs](#)

Remove any optical discs that are left inside the optical drive then restart. • If the problem still exists, your Notebook PC might have a memory storage problem. Contact your local ASUS service center for assistance. My Notebook PC boots slower than usual and my operating system lags. How can I fix this? Delete the applications you recently installed or were not included with your operating system package then restart your system.

[Page 93](#) My Notebook PC does not boot up. How can I fix this? You can try doing any of the following suggestions: • Remove all connected devices to your Notebook PC then restart your system. • If the problem still exists, contact your local ASUS service center for assistance. Why can't my Notebook PC wake up from sleep mode? • You need to press the power button to resume your last working state.

[Page 94](#) Notebook PC E-Manual...

### [Page 95: Appendices](#)

### [Page 96: Dvd-Rom Drive Information](#)

DVD-ROM Drive Information The DVD-ROM drive allows you to view and create your own CDs and DVDs. You can purchase an optional DVD viewer software to view DVD titles. NOTE: The DVD-ROM Drive is available on selected models. Regional Playback Information Playback of DVD movie titles involves decoding MPEG2 video, digital AC3 audio and decryption of CSS protected content.

[Page 97](#) Region Definitions Region 1 Canada, US, US Territories Region 2 Czech, Egypt, Finland, France, Germany, Gulf States, Hungary, Iceland, Iran, Iraq, Ireland, Italy, Japan, Netherlands, Norway, Poland, Portugal, Saudi Arabia, Scotland, South Africa, Spain, Sweden, Switzerland, Syria, Turkey, UK, Greece, Former Yugoslav Republics, Slovakia Region 3 Burma, Indonesia, South Korea, Malaysia, Philippines, Singapore, Taiwan, Thailand,...

### [Page 98: Blu-Ray Rom Drive Information](#)

Blu-ray ROM Drive Information The Blu-ray ROM Drive allows you to view HD (High-Definition) videos and other disc file formats such as DVDs and CDs. NOTE: The Blue-ray ROM Drive is available on selected models. Region Definitions Region A North, Central and South American countries, and their territories; Taiwan, Hong Kong, Macao, Japan, Korea (South and North), South East Asian countries and their territories.

### [Page 99: Overview](#)

Overview On 4th August 1998 the European Council Decision regarding the CTR 21 has been published in the Official Journal of the EC. The CTR 21 applies to all non voice terminal equipment with DTMF-dialling which is intended to be connected to the analogue PSTN (Public Switched Telephone Network).

[Page 100](#) This table shows the countries currently under the CTR21 standard. Country Applied More Testing Austria Belgium Czech Republic Not Applicable Denmark Finland France Germany Greece Hungary Not Applicable Iceland Ireland Italy Still Pending Still Pending Israel Lichtenstein Luxemburg The Netherlands Norway Poland Not Applicable...

### [Page 101: Declaration Of Conformity \(R&Tte Directive 1999/5/Ec\)](#)

This information was copied from CETECOM and is supplied without liability. For updates to this table, you may visit [http://www.cetecom.de/technologies/ctr\\_21.html](http://www.cetecom.de/technologies/ctr_21.html). 1 National requirements will apply only if the equipment may use pulse dialling (manufacturers may state in the user guide that the equipment is only intended to support DTMF signalling, which would make any additional testing superfluous).

### [Page 102: Federal Communications Commission Interference Statement](#)

Federal Communications Commission Interference Statement This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: • This device may not cause harmful interference. • 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 Federal Communications Commission (FCC) rules.

### [Page 103: Fcc Radio Frequency \(Rf\) Exposure Caution Statement](#)

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.

### [Page 104: Ic Radiation Exposure Statement For Canada](#)

IC Radiation Exposure Statement for Canada This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC 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.

## [Page 105: Déclaration D'industrie Canada Relative À L'exposition Aux Ondes Radio](#)

Déclaration d'Industrie Canada relative à l'exposition aux ondes radio Cet appareil est conforme aux limites d'exposition aux radiations d'Industrie Canada définies pour un environnement non-contrôlé. Pour maintenir la conformité avec les exigences d'exposition RF d'IC, veuillez éviter tout contact direct avec l'antenne pendant l'émission. Les utilisateurs finaux doivent suivre les instructions de fonctionnement spécifiques pour satisfaire la conformité...

## [Page 106: Wireless Operation Channel For Different Domains](#)

Wireless Operation Channel for Different Domains N. America 2.412-2.462 GHz Ch01 through CH11 Japan 2.412-2.484 GHz Ch01 through Ch14 Europe ETSI 2.412-2.472 GHz Ch01 through Ch13 France Restricted Wireless Frequency Bands Some areas of France have a restricted frequency band. The worst case maximum authorized power indoors are: •...

[Page 107](#) Departments in which the use of the 2400–2483.5 MHz band is permitted with an EIRP of less than 100mW indoors and less than 10mW outdoors: 01 Ain 02 Aisne 03 Allier 05 Hautes Alpes 08 Ardennes 09 Ariège 11 Aude 12 Aveyron 16 Charente 24 Dordogne 25 Doubs 26 Drôme 32 Gers 36 Indre 37 Indre et Loire 41 Loir et Cher 45 Loiret...

## [Page 108: UI Safety Notices](#)

UL Safety Notices Required for UL 1459 covering telecommunications (telephone) equipment intended to be electrically connected to a telecommunication network that has an operating voltage to ground that does not exceed 200V peak, 300V peak-to-peak, and 105V rms, and installed or used in accordance with the National Electrical Code (NFPA 70).

## [Page 109: Power Safety Requirement](#)

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 <http://csr.asus.com/english/REACH.htm>. Macrovision Corporation Product Notice This product incorporates copyright protection technology that is protected by method claims of certain U.S.A.

## [Page 110: Nordic Lithium Cautions \(For Lithium-Ion Batteries\)](#)

Nordic Lithium Cautions (for lithium-ion batteries) CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. (English) ATTENZIONE! Rischio di esplosione della batteria se sostituita in modo errato. Sostituire la batteria con un una di tipo uguale o equivalente consigliata dalla fabbrica.

## [Page 111: Optical Drive Safety Information](#)

Optical Drive Safety Information Laser Safety Information CD-ROM Drive Safety Warning CLASS 1 LASER PRODUCT WARNING! To prevent exposure to the optical drive's laser, do not attempt to disassemble or repair the optical drive by yourself. For your safety, contact a professional technician for assistance.

## [Page 112: Ctr 21 Approval \(For Notebook Pc With Built-In Modem\)](#)

CTR 21 Approval (for Notebook PC with built-in Modem) Danish Dutch English Finnish French Notebook PC E-Manual...

[Page 113](#) German Greek Italian Portuguese Spanish Swedish Notebook PC E-Manual...

## [Page 114: Energy Star Complied Product](#)

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.

## [Page 115: Asus Recycling/Takeback Services](#)

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 <http://csr.asus.com/english/Takeback.htm> for detailed recycling information in different regions.

### [Page 116: Regional Notice For India](#)

Regional notice for India This product complies with the “India E-waste (Management and Handling) Rule 2011” 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.

[Page 117](#) We, the undersigned, Manufacturer: ASUSTeK COMPUTER INC. Address: 4F, No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN Authorized representative in Europe: ASUS COMPUTER GmbH Address, City: HARKORT STR. 21-23, 40880 RATINGEN Country: GERMANY declare the following apparatus: Product name :...

[Page 118](#) EC Declaration of Conformity We, the undersigned, Manufacturer: ASUSTeK COMPUTER INC. Address: 4F, No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN Authorized representative in Europe: ASUS COMPUTER GmbH Address, City: HARKORT STR. 21-23, 40880 RATINGEN Country: GERMANY declare the following apparatus: Notebook PC...

[Page 119](#) We, the undersigned, Manufacturer: ASUSTeK COMPUTER INC. Address: 4F, No. 150, LI-TE Rd., PEITOU, TAIPEI 112, TAIWAN Authorized representative in Europe: ASUS COMPUTER GmbH Address, City: HARKORT STR. 21-23, 40880 RATINGEN Country: GERMANY declare the following apparatus: Product name :...

[Page 120](#) Notebook PC E-Manual...

This manual is also suitable for:

[F756uA756uK756uR753uP756u](#)