Asus X455WA E-Manual

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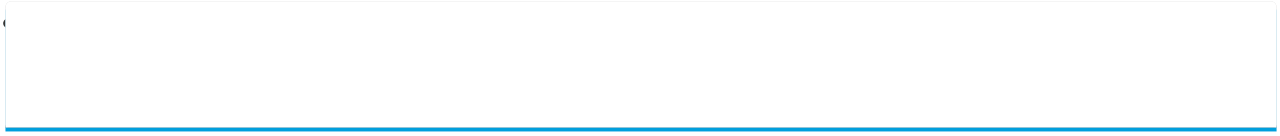

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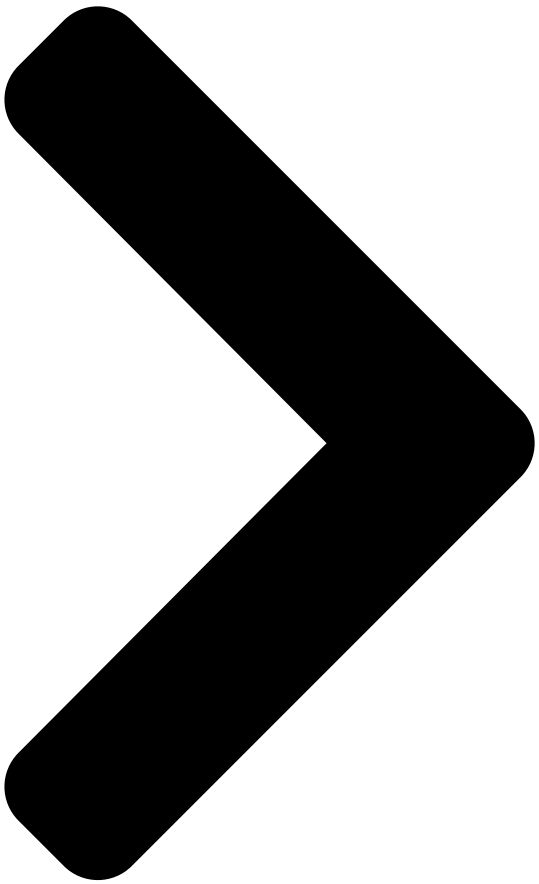

E9770

First Edition

November 2014

Notebook PC

E-Manual

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Related Manuals for Asus X455WA

Laptop Asus X555L E-Manual

(120 pages)

Notebook Asus X554L E-Manual

(118 pages)

Laptop Asus A53TK Manual

(113 pages)

Laptop Asus U31SD-A1-CBIL Manual

Notebook pc (116 pages)

Laptop Asus U46E User Manual

Notebook pc (100 pages)

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Laptop Asus EK562WS E-Manual

(94 pages)

Summary of Contents for Asus X455WA

Page 1 E9770 First Edition November 2014 Notebook PC 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.

Page 3: Table Of Contents

Table of Contents About this manual .....7 Conventions used in this manual .....9 Icons ..... 9 Typography .....9 Safety precautions .....10 Using your Notebook PC .....10 Caring for your Notebook PC

.....11 Proper disposal ..... 12 Chapter 1: Hardware Setup Getting to know your Notebook PC .....14 Top View .....

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Page 6 ENERGY STAR complied product .....126 European Union Eco-label ..... 126 Global Environmental Regulation Compliance and Declaration ....127 ASUS Recycling/Takeback Services .....127 Rechargeable Battery Recycling Service in North America.....127 Regional notice for Singapore ..... 128 Regional notice for India .....128 Notices for removeable batteries.....

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. Notebook PC E-Manual...

Page 15: Drive Activity Indicator

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. Camera The built-in camera allows you to take pictures or record videos using your Notebook PC.

Page 16

Power button Press the power button to turn your Notebook PC on or off. You can also use the power button to put your Notebook PC to sleep or hibernate mode and wake it up from sleep or hibernate mode. In the event that your Notebook PC becomes unresponsive, press and hold the power button for about four (4) seconds until your Notebook PC shuts down.

Page 17: Two-Color Battery Charge Indicator

Power indicator The power indicator lights up when the Notebook PC is turned on and blinks slowly when the Notebook PC is in sleep mode. 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...

Page 18: 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 19

Audio speakers The built-in audio speaker allows you to hear audio straight from the Notebook PC. The audio features of this Notebook PC are software-controlled. Random-access memory module compartment This compartment allows you to add RAM (random-access memory) modules to increase the memory capacity of your Notebook PC.

Page 20: Right Side

Right Side Memory card reader This built-in memory card reader supports SD card formats. USB 2.0 ports These USB (Universal Serial Bus) ports are compatible with USB 2.0 or USB 1.1 devices such as keyboards, pointing devices, flash disk drives, external HDDs, speakers, cameras and printers. Optical drive Your Notebook PC's optical drive may support several disc formats such as CDs, DVDs, recordable discs, or rewritable discs.

Page 21

Optical disc drive eject button Press this button to eject the optical drive tray. Optical disc drive manual eject hole The manual eject hole is used to eject the drive tray in case the electronic eject button does not work. WARNING! Use the manual eject hole only when the electronic eject button does not work.

Page 22: Left Side

Left Side 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 23

HDMI port This port is for a High-Definition Multimedia Interface (HDMI) connector and is HDCP compliant for HD DVD, Blu-ray, and other protected content playback. USB 3.0 ports These Universal Serial Bus 3.0 (USB 3.0) ports provide a transfer rate of up to 5 Gbit/s and are backward compatible to USB 2.0. Headphone output/microphone input combo jack port This port allows you to connect your Notebook PC to amplified speakers or headphones.

Page 24: Front Side

Front Side 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 25: Chapter 2: Using Your Notebook Pc

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

Page 26: 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 27 • 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. • 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 28: Lift To Open The Display Panel

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

Page 29: Gestures For The Touch Screen Panel* And Touchpad

Gestures for the touch screen panel* and touchpad Gestures allow you to launch programs and access the settings of your Notebook PC. Refer to the following illustrations when using hand gestures on your touch screen panel* and touchpad. NOTE: The following screenshots are for reference only. The touch screen panel's appearance may vary depending on model.

Page 30 Top edge swipe Finger slide • In the Start screen, swipe Slide your finger to scroll up and from the top edge of down and slide your finger to the screen to view the pan the screen left or right. Customize bar. • In a running app, swipe from the top edge of the screen to view its menu.

Page 31 Tap/Double tap Tap/click and hold • Tap an app to launch it. • To move an app, tap and hold the app tile and drag it • On Desktop mode, double- to a new location. tap an item to launch it. •...

Page 32 Swipe up Swipe down Swipe up from the Start screen to Swipe down from the Apps launch the Apps screen. screen to return to the Start screen. Notebook PC E-Manual...

Page 33: Using Touchpad Gestures

Using touchpad gestures Moving the pointer You can tap or click 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 34 One-finger gestures Tap/click, Double tap/double click • In the Start screen, tap/click an app to launch it. • In Desktop mode, double tap/double click an application to launch it. Drag and drop Double tap/double click 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.

Page 35 Left-click Right-click • In the Start screen, click an • In the Start screen, click an app to launch it. app to select it and launch the settings bar. You can also • In Desktop mode, double- press this button to launch click an application to the All Apps bar. launch it. • In Desktop mode, use this button to open the right- click menu.

Page 36 Top edge swipe • In the Start screen, swipe from the top edge to launch the All Apps bar. • In a running app, swipe from the top edge to view its menu. Left edge swipe Right edge swipe Swipe from the left edge to shuffle Swipe the right edge to launch the Charms bar. your running apps. Notebook PC E-Manual...

Page 37: Two-Finger Gestures

Two-finger gestures Tap/click Rotate Tap/click two fingers on the To rotate an image, place two touchpad to simulate the right- fingers on the touchpad then click function. turn one finger clockwise or counterclockwise while the other stays still. Two-finger scroll (up/down) Two-finger scroll (left/right) Slide two fingers to scroll up or Slide two fingers to scroll left or...

Page 38 Zoom out Zoom in Bring together your two fingers on 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 down the touchpad to drag and drop the item to a new location.

Page 39: Three-Finger Gestures

Three-finger gestures Swipe up Swipe down Swipe three fingers upward to Swipe three fingers downward to show all running applications. show the Desktop mode. Notebook PC E-Manual...

Page 40: 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 brightness for the backlit keyboard Increases brightness for the backlit keyboard Decreases display brightness...

Page 41: Windows® 8.1 Keys

Enables or disables the touchpad Turns the speaker on or off Turns the speaker volume down Turns the speaker volume up Windows® 8.1 keys There are two special Windows® keys on your Notebook PC's keyboard used as below: Press this key to go back to the Start screen. If you are already in the Start screen, press this key to go back to the last app you opened.

Page 42: 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 Skip to Play or previous...

Page 43: 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 remaing the same. Inserting an optical disc While the Notebook PC is on, press the electronic eject button to partially eject the optical drive tray.

Page 44

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 45

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.

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Notebook PC E-Manual...

Page 47: Chapter 3: Working With Windows

Chapter 3: Working with Windows® 8.1 Notebook PC E-Manual...

Page 48: Starting For The First Time

Starting for the first time When you start your computer for the first time, a series of screens appear to guide you in configuring your Windows® 8.1 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 49: Windows ® Ui

® Windows Windows® 8.1 comes with a tile-based user interface (UI) which allows you to organize and easily access Windows® apps from the Start screen. It also includes the following features that you can use while working on your Notebook PC. Start screen The Start screen appears after successfully signing in to your user account.

Page 50: Hotspots

Hotspots Onscreen hotspots allow you to launch programs and access the settings of your Notebook PC. The functions in these hotspots can be activated using the touchpad. Hotspots on a running app Hotspots on the Start screen Notebook PC E-Manual...

Page 51 Hotspot Action upper left corner Hover your mouse pointer on the upper left corner then tap/click on the recent app's thumbnail to revert back to that running app. If you launched more than one app, slide down to show all running apps. lower left corner From a running app screen: Hover your mouse pointer on the lower left...

Page 52 Hotspot Action top side Hover your mouse pointer on the top side until it changes to a hand icon. Drag then drop the app to a new location. NOTE: This hotspot function only works on a running app or when you want to use the Snap feature.

Page 53: Start Button

Start button Windows® 8.1 features the Start button which allows you to switch between the two most recent apps that you opened. The Start button may be accessed from the Start screen, while on Desktop mode, and on any app that is currently open onscreen. Start button on the Start screen NOTE: The actual color of your Start button varies depending on the display settings you chose for your Start screen.

Page 54 Start button on Desktop mode Context menu The context menu appears as a box filled with quick access to some of the programs inside Windows® 8.1. The context menu appears when you right-click on the Start button. The context menu also includes the following shut down options for your Notebook PC: sign out, sleep, shut down, restart.

Page 55: Customizing Your Start Screen

Customizing your Start screen Windows® 8.1 also enables you to customize your Start screen, allowing you to boot directly to the Desktop mode and customize the arrangement of your apps onscreen. To customize the settings of your Start screen: Launch the Desktop. Right-click anywhere on the taskbar, except on the Start button, to launch the pop-up window.

Page 56: Working With Windows ® Apps

® Working with Windows apps Use your Notebook PC's touch screen panel*, touchpad, or keyboard to launch, customize, and close apps. Launching apps Tap an app to launch it. Position your mouse pointer over the app then left-click or tap once to launch it. Press twice then use the arrow keys to browse through the apps.

Page 57: Resizing Apps

Resizing apps Tap and hold the app to activate the Customize bar then and select an app tile size. Right-click on the app to activate the Customize bar, then tap/click and select an app tile size. Unpinning apps Tap and hold the app to activate the Customize bar, then to unpin an app.

Page 58: Closing Apps

Closing apps Tap and hold the top side of the running app then drag it down to the bottom of the screen to close it. Move your mouse pointer on the top side of the launched app then wait for the pointer to change to a hand icon.

Page 59: Accessing The Apps Screen

Accessing the Apps screen Aside from the apps already pinned on your Start screen, you can also open other applications through the Apps screen. NOTE: Actual apps shown onscreen may vary per model. The following screenshot is for reference only. Launching the Apps screen Launch the Apps screen using your Notebook PC's touch screen panel*, touchpad, or keyboard.

Page 60 Pinning more apps on the Start screen You can pin more apps on the Start screen using your touch screen panel* or touchpad. Launch the All Apps screen. Tap and hold an app you want to pin on the Start screen to activate the Customize bar.

Page 61: Charms Bar

Charms bar The Charms bar is a toolbar that can be triggered on the right side of your screen. It consists of several tools that allow you to share applications and provide quick access for

customizing the settings of your Notebook PC. Charms bar Notebook PC E-Manual...

Page 62: Launching The Charms Bar

Launching the Charms bar NOTE: When called out, the Charms bar initially appears as a set of white icons. The image above shows how the Charms bar looks like once activated. Use your Notebook PC's touch screen panel*, touchpad, or keyboard to launch the Charms bar.

Page 63 Inside the Charms bar Search This charm allows you to look for files, applications, or programs in your Notebook PC. Share This charm allows you to share applications via social networking sites or email. Start This charm reverts the display back to the Start screen. From the Start screen, you can also use this to revert back to a recently opened app.

Page 64: Snap Feature

Snap feature The Snap feature displays two apps side-by-side, allowing you to work or switch between apps. IMPORTANT! Ensure that your Notebook PC's screen resolution is set to 1366 x 768 pixels or higher before using the Snap feature. Snap bar Notebook PC E-Manual...

Page 65 Using Snap Use your Notebook PC's touch screen panel*, touchpad, or keyboard to activate and use Snap. Launch the app you wish to snap. Tap and hold the app's topmost part then drag it to the left or right side of the screen until the snap bar appears.

Page 66: Other Keyboard Shortcuts

Other keyboard shortcuts Using the keyboard, you can also use the following shortcuts to help you launch applications and navigate Windows® 8.1. Switches between the Start screen and the last running app Launches the desktop Launches the This PC window on Desktop mode Opens the File option from the Search charm Opens the Share charm Opens the Settings charm...

Page 67 Launches the Project pane Opens the Everywhere option from the Search charm Opens the Run window Opens Ease of Access Center Opens the Settings option under the Search charm Opens the context menu of the Start button Launches the magnifier icon and zooms in your screen Zooms out your screen Opens the Narrator Settings...

Page 68: 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! The Airplane mode disables this feature. Ensure that Airplane mode is turned off before enabling the Wi-Fi connection of your Notebook PC.

Page 69: Bluetooth

Bluetooth Use Bluetooth to facilitate wireless data transfers with other Bluetooth- enabled devices. IMPORTANT! The 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 70: Airplane Mode

Airplane mode The Airplane mode disables wireless communication, allowing you to use your Notebook PC safely while in-flight. Turning Airplane mode on Launch the Charms bar. Tap/click and tap/click Move the slider to the right to turn the Airplane mode on. Press Turning Airplane mode off Launch the Charms bar.

Page 71: 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 72: Configuring A Static Ip Network Connection

Tap/click Obtain an IP address automatically then tap/click OK. NOTE: Proceed to the next steps if you are using PPPoE connection. Return to the Network and Sharing Center window then

tap/click Set up a new connection or network. Select Connect to the Internet then tap/click Next. Tap/click Broadband (PPPoE).

Page 73: Turning Your Notebook Pc Off

Turning your Notebook PC off You can turn off your Notebook PC by doing either of the following procedures: from the Charms bar then • Tap/click > Shut down to do a normal tap/click shutdown. > Shut • From the log-in screen, tap/click down. •...

Page 74: Windows ® 8.1 Lock Screen

® Windows 8.1 lock screen The Windows® 8.1 lock screen appears when you wake your Notebook PC from sleep or hibernate mode. It also appears when you lock or unlock Windows® 8.1. The lock screen can be customized to regulate access to your operating system.

Page 75: Customizing Your Lock Screen

Customizing your lock screen You can customize your lock screen to show your preferred photo, a photo slideshow, app updates, and quickly access your Notebook PC's camera. To change the settings of your lock screen, you may refer to the following information: Selecting a photo Launch the Charms bar >...

Page 76: Activating Your Notebook Pc Camera From The Lock Screen

Adding app updates Launch the Charms bar > Settings. Select Change PC Settings > Lock screen. Scroll down until you see the Lock screen apps option. Use the following options to add the apps whose updates you would like to see from your lock screen: Activating your Notebook PC camera from the lock screen From the lock screen, you can swipe down to activate and use your...

Page 77: Chapter 4: Power-On Self-Test (Post)

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

Page 78: The Power-On Self-Test (Post)

The Power-On Self-Test (POST) The Power-On Self-Test (POST) 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 79: 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 80 and select a device as the Boot Option #1. Press Aptio Setup Utility - Copyright (C) 2012 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 81: Security

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 82 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 83 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) 2012 American Megatrends, Inc. Security If Locked, LAN I/O Interface Security controller will be

disabled.

Page 84 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) 2012 American Megatrends, Inc. Security If Locked, all USB Interface Security USB device will be disabled USB Interface...

Page 85 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) 2012 American Megatrends, Inc. Main Advanced Boot Security Save & Exit Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.

Page 86 Save & Exit To keep your configuration settings, select Save Changes and Exit before exiting the BIOS. Aptio Setup Utility - Copyright (C) 2012 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 87: To Update The Bios

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 88 Locate your downloaded BIOS file in the flash disk drive then press ASUSTek Easy Flash Utility FLASH TYPE: MXIC 25L Series New BIOS Current BIOS Platform: Unknown Platform: X455 Version: Unknown Version: 101 Build Date: Oct 26 2012 Build Date: Unknown Build Time: Unknown Build Time: 11:51:05 0 EFI...

Page 89: 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! • Back up all your data files before doing any recovery option on your Notebook PC.

Page 90 • 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. Using Troubleshoot to enable any of these advanced recovery options: System Restore, System Image Recovery, Startup Repair, Command Prompt, UEFI Firmware Settings, Startup Settings.

Page 91: Enabling A Recovery Option

Enabling a recovery option Refer to the following steps if you want to access and use any of the available recovery options for your Notebook PC. Launch the charms bar and select Settings. Select Change PC Settings. Notebook PC E-Manual...

Page 92 Under the PC Settings options, select Update and recovery. Under the Update and recovery options, select Recovery then select the recovery option you would like to do. Notebook PC E-Manual...

Page 93: Chapter 5: Upgrading Your Notebook Pc

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

Page 94: Installing A Random-Access Memory Module

Installing a Random-access Memory 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 95 Loosen the screw of the Notebook PC's compartment cover. Pull out the compartment cover and remove it completely from your Notebook PC. Notebook PC E-Manual...

Page 96 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 97 Align then push down the compartment cover back into place. Reattach and tighten the screw that you removed earlier. Notebook PC E-Manual...

Page 98 Notebook PC E-Manual...

Page 99: Tips And Faqs

Tips and FAQs Notebook PC E-Manual...

Page 100: Useful Tips For Your Notebook Pc

• Update Windows® periodically to ensure that your applications have the latest security settings. • Use ASUS Live Update to update ASUS-exclusive applications, drivers and utilities in your Notebook PC. Refer to the ASUS Tutor installed in your Notebook PC for more details. • Use an anti-virus software to protect your data and keep this updated too. •...

Page 101: 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 102 • 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 103 My Notebook PC's touchpad is not working. What should I You can try doing any of the following suggestions: • Check if ASUS Smart Gesture is set to disable touchpad by connecting an external pointing device to your Notebook PC. If yes, disable this function. •...

Page 104: Software Faqs

Remove all connected USB devices then restart your Notebook PC. • 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 105 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 106 Notebook PC E-Manual...

Page 107: Appendices

Appendices Notebook PC E-Manual...

Page 108: Dvd-Rom Drive Information (On Selected Models)

DVD-ROM Drive Information (on selected models) 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. Regional Playback Information Playback of DVD movie titles involves decoding MPEG2 video, digital AC3 audio and decryption of CSS protected content.

Page 109: Region Definitions

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 110: Blu-Ray Rom Drive Information (On Selected Models)

Blu-ray ROM Drive Information (on selected models) The Blu-ray ROM Drive allows you to view high definition (HD) videos and other disc file formats such as DVDs and CDs. 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 111: 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 112

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 113: Federal Communications Commission Interference Statement

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 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 114: Fcc Radio Frequency (Rf) Exposure Caution Statement

• 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. WARNING! The use of a shielded-type power cord is required in order to meet FCC emission limits and to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment.

Page 115: Declaration Of Conformity (R&Tte Directive 1999/5/Ec)

Declaration of Conformity (R&TTE directive 1999/5/EC) The following items were completed and are considered relevant and sufficient: • Essential requirements as in [Article 3] • Protection requirements for health and safety as in [Article 3.1a] • Testing for electric safety according to [EN 60950] • Protection requirements for electromagnetic compatibility in [Article 3.1b] • Testing for electromagnetic compatibility in [EN 301 489-1] & [EN 301 489-17] • Effective use of the radio spectrum as in [Article 3.2] • Radio test suites according to [EN 300 328-2] CE Marking CE marking for devices without wireless LAN/Bluetooth The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC “Electromagnetic compatibility”...

Page 116: 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 117: 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.

Page 118: 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 119

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 120: Ul 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 121: 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 122: 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 123: 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 124: 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...

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German Greek Italian Portuguese Spanish Swedish Notebook PC E-Manual...

Page 126: Energy Star Complied Product

All ASUS products with the ENERGY STAR logo comply with the ENERGY STAR standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 10 and 30 minutes of user inactivity.

Page 127: Global Environmental Regulation Compliance And Declaration

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 128: Regional Notice For Singapore

Regional notice for Singapore This ASUS product complies with IDA Standards. Complies with IDA Standards DB103778 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...

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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 130 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...

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