





## Asus R50A User Manual

Ultra mobile pc



1

2

Table Of Contents

3

4

5

6

7

8

9

10

11

12

13

14

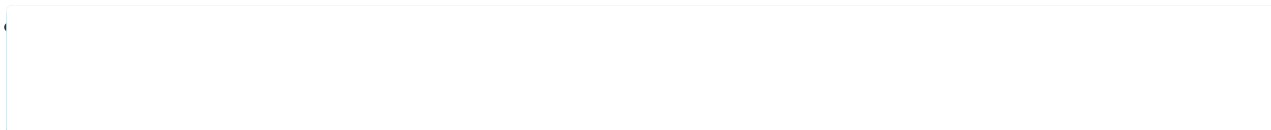
15

16

17

18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67

68  
69  
70  
71  
72  
73  
74  
75  
76



•

- 

Troubleshooting

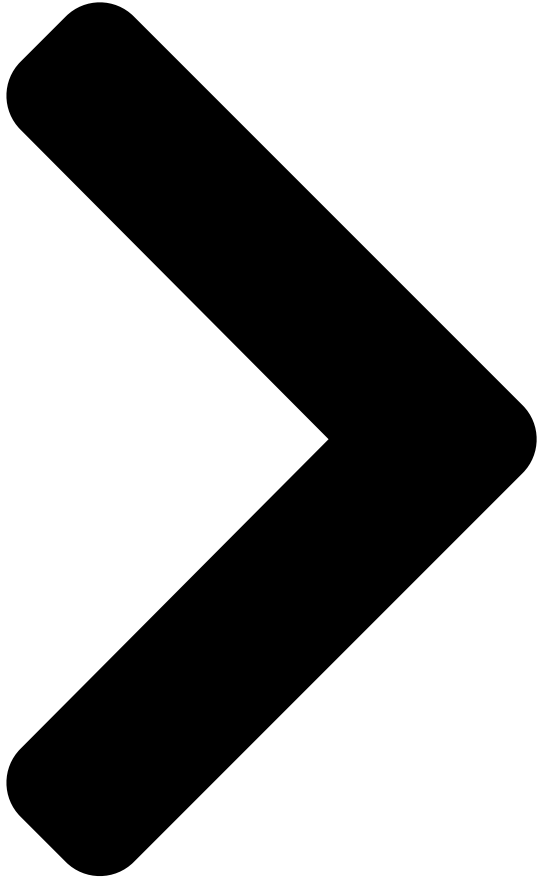
•

## Bookmarks



[Download this manual](#)

### Quick Links



**ASUS<sup>®</sup>**

**R50A**



# **ASUS**<sup>®</sup> Ultra Mobile PC

## User Manual

[Table of Contents](#)

[Next Page](#)

- 1
- 2
- 3
- 4
- 5

# Troubleshooting

[troubleshooting](#) 65

[Troubleshooting](#) 66

## Related Manuals for Asus R50A

[PDA Asus MyPal A636 Handbook](#)

(142 pages)

[PDA Asus P505 User Manual](#)

(326 pages)

[PDA Asus P535 Assembly & Disassembly Instructions](#)

(33 pages)

[PDA Asus P505 Quick Start Manual](#)

Smart pda phone (13 pages)

[PDA Asus Galaxy mini 2 Assembly & Disassembly](#)

Sop (15 pages)

[PDA Asus P527 - Smartphone - GSM Service Manual](#)

Service manual (35 pages)

## Summary of Contents for Asus R50A

[Page 1](#) R50A Ultra Mobile PC User Manual...

[Page 2](#) Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

### [Page 3: Table Of Contents](#)

Table of Contents About this guide ...6 How this guide is organized ...6 Conventions used in this guide ...7 Safety information ...8 Transportation Precautions ...9 Package contents ...10 Standard items ...10 Optional items ...10 Special features ...11 Product highlights ... 11 Chapter 1: Getting started Proper posture when using your UMPC ...14 Maintaining the proper posture ...14...

[Page 4](#) Entering data ...40 Using the Tablet PC Input Panel ...40 Using gestures ...43 Calibrating the screen ...46 Securing your UMPC ...46 Using the ASUS Security Protect Manager ...46 Getting Windows Chapter 3: Multimedia features Using the Windows Using the camera...51 Launching the camera ...51...

[Page 5](#) Using GPS ...6□ Connecting to a wireless network ...63 Troubleshooting Troubleshooting ...66 Appendices Notices...70 ASUS Contact information ...76...

### [Page 6: About This Guide](#)

About this guide This user guide provides information on the various components of the Ultra Mobile PC (UMPC) and how to use them. How this guide is organized • Chapter 1: Getting started This chapter describes the features of your UMPC. •...

### [Page 7: Conventions Used In This Guide](#)

Conventions used in this guide To ensure that you perform certain tasks properly, take note of the following symbols used throughout this manual. DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task. CAUTION: Information to prevent damage to

the components when trying to complete a task.

## [Page 8: Safety Information](#)

Safety information IMPORTANT! Disconnect the AC power and remove the battery pack before cleaning. Wipe the UMPC using a clean cellulose sponge or chamois cloth dampened with a solution of nonabrasive detergent and a few drops of warm water then remove any extra moisture with a dry cloth.

## [Page 9: Transportation Precautions](#)

Transportation Precautions To prepare the UMPC for transport, turn it OFF and disconnect all external peripherals to prevent damage to the connectors. The hard disk drive's head retracts when the power is turned OFF to prevent scratching of the hard disk surface during transport.

## [Page 10: Package Contents](#)

Package contents Standard items Check your UMPC package for the following items: Standard Items R50A UMPC • Mini-USB audio cable • 10-pin VGA out cable • Screen protector • Adapter • Adapter plug • Wrist strap • USB keyboard •...

## [Page 11: Special Features](#)

Solid Security Management for Protected Computing ASUS R50A offers a total data protection that meets the evolving security needs of both software and hardware solutions. The protected computing starts with fingerprint authentication that grants strict access only to the authorized user.

[Page 12](#) Easier and Safer Digital Data Transmission ASUS R50A integrates secure digital media slot. It gives you the immediate benefit of easy file sharing with different devices and users, while opening the door for future technologies like secure digital I/O.

## [Page 13: Chapter 1: Getting Started](#)

Getting started In this chapter • Proper posture when using your UMPC • Getting to know your UMPC • Getting your UMPC ready • Starting up...

## [Page 14: Proper Posture When Using Your Umipc](#)

Proper posture when using your UMPC When using your UMPC, maintaining the proper posture is necessary to prevent strain to your wrists, hands, and other joints or muscles. This section provides you with tips on avoiding physical discomfort and possible injury while using and fully enjoying your UMPC.

## [Page 15: Getting To Know Your Umipc](#)

Getting to know your UMPC Front features Features Display Panel The 5.6-inch active matrix, 1024 x 600 resolution TFT LCD screen provides you with excellent viewing similar to that of desktop monitors. Front camera lens This 0.3 megapixel built-in camera is used for video conferencing and other interactive applications.

[Page 16](#) Features Status indicators Allows you to check the status of your battery, drive activity, WLAN, and Bluetooth. The LED notifies the following: Power • White: The UMPC is turned on. • Blinking white: The UMPC is in the Sleep/Standby mode. •...

[Page 17](#) Features Sleep Mode button Press this button to put your UMPC into Sleep mode. Slide down the power switch to awaken your UMPC from Sleep mode. LOGIN button The LOGIN button sends a [Ctrl + Alt + Del] keyboard combination to the operating system to show Windows Security for logging in/off, locking, shutting down, launching the task manager, or changing passwords.

## [Page 18: Right Features](#)

Right features Features Wrist strap hole Attach the supplied wrist strap into this hole to prevent accidentally dropping the UMPC when holding it in your hands. VGA port Use this port with the bundled VGA out cable to connect your UMPC to a monitor. Battery Lock Keeps the battery secure.

## [Page 19: Left Features](#)

Left features Features Power switch Turns on/off the UMPC and puts it on Sleep/Standby or Hibernation mode. Mini-USB port Insert external USB devices into this port. TV tuner port Connect a TV antenna into this port. NOTE: The TV antenna is purchased separately and is not included in your UMPC package.

## [Page 20: Top Features](#)

Insert the AC adapter into this port to connect your UMPC to an external power source. Headphone jack Insert R50A headphone into this port. Hold key Move this key to the left to disable the buttons and LCD of th UMPC.

## [Page 21: Bottom Features](#)

Bottom features Features Wrist strap hole Attach the supplied wrist strap into this hole to prevent accidentally dropping the UMPC when holding it in your hands. Reset button Insert a sharp-pointed object such as a clip or a ballpen into this hole to reset your UMPC.

## [Page 22: Back Features](#)

Back features Features Battery Pack The battery pack provides power to the UMPC. To charge the battery, connect the UMPC to an external power source using the AC adapter. Back camera lens The 2.0 megapixel auto-focus built-in camera allows you to take photos or videos.

## [Page 23: Getting Your Umpec Ready](#)

Getting your UMPC ready Before using the UMPC for the first time, ensure that the battery pack is fully charged. Charging the battery pack Your UMPC package comes with a universal AC-DC adapter which charges the battery pack, and in turn supplies power to your UMPC. You may connect the adapter to a 100- 120V or 220V-240V outlet without setting switches or using power converters.

[Page 24](#) AC Adapters The following is the list of AC adapters that are compatible with various power plugs or sockets used in specific countries. Area Asia Oceania North America Central America Europe Country/District Voltage Korea 100.220 Japan Hong Kong Mainland China Philippines 220-230 Thailand...

## [Page 25: Installing/Removing A Microsd Card](#)

Installing/removing a microSD card Your UMPC is equipped with a microSD card slot. A microSD card provides you with additional storage space for your files. To install the microSD card: 1. Locate the microSD card slot at the left side of the UMPC. 2.

## [Page 26: Installing An External Foldable Usb Keyboard](#)

Installing an external foldable USB keyboard To install an external foldable USB keyboard: 1. Slide the latch downward to unlock the USB keyboard. 2. Gently pull up to open the keyboard. 3. Locate the Lock/Unlock latch and slide the latch leftward to lock the keyboard in its open position.

[Page 27](#) 4. Gently pull both ends of the mini-USB cable to extend it. 5. Connect the mini-USB cable to the mini-USB port on the USB keyboard, and connect the other end of the cable to the mini-USB port on the UMPC.

## [Page 28: Connecting An External Monitor](#)

Connecting an external monitor You can connect your UMPC to an external monitor. The screen display on the external monitor is synchronized with that on the LCD monitor of your UMPC. In this way, the lifespan of the LCD monitor is extended. To connect your UMPC to an external monitor: 1.

[Page 29](#) To switch screen display after powering on your UMPC: 1. Turn on your UMPC. 2. Select from any of these display modes: a. Display on your UMPC and the external monitor (default). b. Different display on your UMPC and the external monitor. c.

## [Page 30: Connecting An External Mouse \(Optional\)](#)

Connecting an external mouse (optional) This UMPC comes with a few USB ports for connecting devices such as a USB keyboard / mouse. To connect an external mouse: • Connect the USB



plug of your USB mouse to a USB port on your UMPC. CAUTION: Do not apply too much force when connecting a USB keyboard / mouse to a USB port on your UMPC.

### [Page 31: Connecting To A Port Bar \(Optional\)](#)

Connecting to a port bar (optional) This optional external PortBar comes with a D-Sub port, S/PDIF Out port, LAN (RJ-45) port and USB 2.0/1.1 ports. Use this external PortBar to quickly connect peripherals, such as keyboard, mouse, or CRT monitor, to your UMPC. NOTE: The port bar is purchased separately and is not included in your UMPC package.

### [Page 32: Connecting An External Odd \(Optional\)](#)

Connecting an external ODD (optional) To connect an external ODD: 1. Connect one end of the ODD USB cable to the mini-USB port at the back of the ODD and the other end to a USB port on your UMPC. 2.

### [Page 33: Connecting An External Tv Antenna \(Optional\)](#)

Connecting an external TV antenna (optional) Connect your UMPC to a TV antenna for home or car use. To connect an external TV antenna: 1. Connect the TV antenna cable to the antenna port on the left side of your UMPC. 2.

### [Page 34: Starting Up](#)

Starting up Powering on your UMPC Like a regular desktop PC, your UMPC automatically runs a series of diagnostic tests called Power-On Self Test (POST) upon turning it on. After POST is completed, your UMPC boots up, then its Windows To power on your UMPC: 1.

### [Page 35: Managing Power Settings](#)

Your UMPC provides you with power plans, which are collections of power management settings. These power plans make use of the ASUS Power4 Gear eXtreme, an ASUS utility that allows you to adjust system settings such as display brightness and CPU frequency to maximize performance as well as to extend battery life.

[Page 36](#) Creating a power plan To create a power plan: 1. From your UMPC screen, go to Options. 2. Click Create a power plan. 3. Select from these power plan options: Power Plan Balanced Power saver High performance 4. In the Plan name field, key in the name for your customized power plan, then click Next.

[Page 37](#) Using your UMPC In this chapter • Navigating your UMPC • Entering data • Securing your UMPC • Getting Windows Help and Support ®...

### [Page 38: Navigating Your Umpc](#)

Navigating your UMPC Use the buttons (arrow/enter buttons, joystick, left/right keys), the stylus, or gestures to select items or navigate through programs on your UMPC. Using the navigation buttons Left/right buttons The left/right buttons perform the left-click and right-click functions of a conventional mouse.

### [Page 39: Using The Stylus](#)

5-way Navigation buttons Button Left arrow Right arrow Up arrow Down arrow Enter button Using the stylus Use the DigiPen stylus to select items or navigate through programs on your UMPC, as well as write characters or text using the input panel on your UMPC. Like the navigation buttons, the DigiPen stylus also performs the functions of a conventional mouse.

### [Page 40: Entering Data](#)

Entering data You may use a bi-fold keyboard or the Tablet PC Input Panel to write text, characters, or symbols on your UMPC. NOTE: The bi-fold keyboard is an optional accessory and is not included in your UMPC package. Using the Tablet PC Input Panel The Microsoft Vista Tablet PC Input Panel enables you to enter text on your UMPC ®...

[Page 41](#) Using the Writing Pad The Writing Pad allows you to write continuously, and converts your handwriting to typed text. To use the Writing Pad: 1. Launch a word processor such as WordPad. To do this, go to Accessories > WordPad. 2.

[Page 42](#) Using the Character Pad The Character Pad converts each of your handwritten text,

symbol, or character into typed text one at a time. To use the Character Pad: 1. Launch a word processor such as WordPad. To do this, go to Accessories >...

### [Page 43: Using Gestures](#)

Using the On-screen Keyboard The on-screen keyboard is a virtual keyboard that allows you to enter data using the stylus, mouse, or joystick. To use the On-screen Keyboard: 1. Launch a word processor such as WordPad. To do this, go to Accessories >...

[Page 44](#) • Z-shaped scratch-out • Circular scratch-out • Vertical scratch-out Using editing gestures Use editing gestures in the writing pad or in the character pad. There are two sets of editing gestures that you can use: • Common editing gestures used on handheld computers or PDA devices. •...

[Page 45](#) Selecting editing gestures To select the editing gesture: 1. Launch the Tablet PC Input Panel. 2. Tab Tools > Options > Gestures tab. 3. From the Gestures tab, select Use gestures commonly used on handheld computers or Use gestures from the Simplified Chinese (PRC) standard, GB/T 187□0-□00□.

### [Page 46: Calibrating The Screen](#)

2. From the Settings and Options list, then Multifactor Authentication. 3. Select the Credentials tab, then Fingerprint Authentication. 4. Tap Register to launch the ASUS Security Protect Manager Registration Wizard. 5. Follow the onscreen instructions to register a fingerprint data. You need to enter at...

[Page 47](#) 2. From the Settings and Options list, then Multifactor Authentication. 3. Select the Credentials tab, then Password Authentication. 4. Tap Register to launch the ASUS Security Protect Manager Registration Wizard appears. 5. Follow the onscreen instructions to set up your password.

### [Page 48: Getting Windows ® Help And Support](#)

Getting Windows Help and Support ® Windows Help and Support provides you with guides and answers in using the ® applications in Windows Vista platform. ® To launch Windows Help and Support, go to > Help and Support. ® 4848...

### [Page 49: Chapter 3: Multimedia Features](#)

Multimedia features In this chapter • Using the Windows Media Center ® • Using the camera...

### [Page 50: Using The Windows ® Media Center](#)

Using the Windows Windows Media Center is a media application which allows you to use your UMPC ® as a hub for your home-entertainment system. It allows you to watch or record live TV; view photos and video clips; listen to music; burn CDs and DVDs; or watch/listen to streaming files, such as movies or music files, from the Internet.

### [Page 51: Using The Camera](#)

• Press the camera button located on top of your UMPC. • Click > All Programs > ASUS Utility > LifeFrame. To exit the camera function, tap the Exit icon Camera features Tap any of the icons to set the capture mode.

### [Page 52: Taking Photos](#)

4. Repeat step 3 to take more photos. NOTE: By default, the photo is automatically saved to the LifeFrame folder at C:// Users/Your User Name/Documents/ASUS/LifeFrame/Image. Description Use this mode for video conferencing. Use this mode to preview photos, video clips, audio/video recordings, or recorded video conferences.

### [Page 53: Configuring The Camera Settings](#)

Configuring the camera settings Use the following camera setting icons to configure the camera settings: Icon Description Shooting mode Tap to set to any of these shooting modes: Night Scene, Portrait, Slow Shutter, and Custom. Flash Tap to turn the flash mode on/off. Timer Tap to set the timer to 5 or 10 seconds, or tap to turn off the timer.

## [Page 54: Using The Preview Mode](#)

Using the Preview mode Use the preview mode to preview stored photos, and playback video clips, audio/voice recordings, or video conferences. To use the Preview mode: 1. Launch the Camera application. 2. Tap to set the mode to Preview mode. 3.

## [Page 55: Chapter 4: Getting Connected](#)

Getting connected In this chapter • Using Bluetooth • Using a 3G SIM card • Using GPS • Connecting to a wireless network...

## [Page 56: Using Bluetooth](#)

Using Bluetooth Bluetooth is a short-range wireless technology that allows your UMPC to communicate ® with other Bluetooth-enabled devices, such as PCs, mobile devices, headsets, GPS receivers, and headset, within a short range of about 10 meters or 30 feet. Bluetooth devices only need to be within the specified range to exchange information and the devices do not need any physical connection.

## [Page 57: Adding Other Bluetooth-Enabled Devices](#)

Adding other Bluetooth-enabled devices You may use peripherals such as a Bluetooth printer, mouse, or keyboard with your UMPC. To add other Bluetooth-enabled devices: 1. From the Devices tab, click Add. The Add Bluetooth Device Wizard appears. Select My device is set up and ready to be found. 2.

## [Page 58: Using A 3G Sim Card \(Optional\)](#)

Using a 3G SIM card (optional) Your UMPC allows you to install a 3G SIM card into your device, which enables you to wirelessly connect to the Internet so you can check your e-mail messages, surf the Internet, or chat online; and make and receive calls using a Bluetooth headset. IMPORTANT: Depending on the model, your UMPC may or may not include a 3G SIM card slot.

## [Page 59: Activating Your 3G Sim Card](#)

3. Replace the battery pack. Activating your 3G SIM card After installing the 3G SIM card into your UMPC, you first need to activate the 3G SIM card via the 3G Watcher application. To activate your 3G SIM card: 1. Launch the 3G Watcher application. To do this, do either of the following: •...

[Page 60](#) 2. Click Settings. From the dropdown list, select your mobile service provider, then click Yes. The 3G Watcher returns to its main screen. 3. Click Connect to start the wireless connection. 4. The 3G Watcher displays the connection status. You may start to surf the Internet, or check your e-mail messages.

[Page 61](#) Switching on/off your wireless connection To switch off your wireless connection: • From the 3G Watcher main screen, click Tools > Turn Radio Off. To switch on your wireless connection: • From the 3G Watcher main screen, click Tools > Turn Radio On.

## [Page 62: Using Gps](#)

Using GPS Your UMPC comes with a built-in GPS transceiver and acts as a GPS device with its GPS function. CAUTION: DO NOT cover this area. It may interfere with the GPS signal. Installing an external GPS antenna (optional) We recommend that you install an external GPS antenna to get the best GPS signal reception.

## [Page 63: Connecting To A Wireless Network](#)

Connecting to a wireless network With its wireless function, your UMPC allows you to wirelessly connect to a network. To connect to a wireless network: NOTE: Ensure that a wireless adapter is installed or plugged in your UMPC. 1. Double click the Wireless Console icon on the taskbar and select any of these icons:...

[Page 64](#) 4. Select the wireless network that you want to connect to. 5. When connecting, you may have to key in a password. 5. After establishing a successful connection, the connection status is displayed.

## [Page 65: Troubleshooting](#)

Troubleshooting In this chapter • Troubleshooting...

## [Page 66: Troubleshooting](#)

Troubleshooting How can I turn off my UMPC when it hangs? Press the Power button for four to six seconds. What can I do when I cannot turn on my UMPC? 1. Check if the battery is correctly installed and if the AC adapter is correctly connected.

[Page 67](#) Possible solutions to recovering the system: 1. Uninstall peripheral devices and their drivers. 2. Update the BIOS. 3. Update the drivers. 4. Uninstall the unnecessary applications. 5. Reinstall the OS. 6. Contact a qualified service technician. How to extend the battery life. 1.

[Page 68](#) 6868...

[Page 69](#) Appendices In this chapter • Notices • ASUS Contact information...

## [Page 70: Notices](#)

Notices Federal Communications Commission Statement This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: • This device may not cause harmful interference, and • This device must accept any interference received, including interference that may cause undesired operation.

## [Page 71: Ce Mark Warning](#)

WLAN and GSM/CDMA The UMPC only support WLAN and GSM/CDMA functions. It does not support voice transmission function. Australia SAR requirements When using a wireless LAN or GSM/WCDMA adapter, the adapter and integrated antenna shall be positioned not more than 20 cm from your body or nearby persons during the duration of the GSM/WCDMA transmission.

## [Page 72: Wireless Operation Channel For Different Domains](#)

To prevent radio interference to the licensed service (i.e. co-channel Mobile Satellite systems) this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing. Because high power radars are allocated as primary users (meaning they have priority) in 5250-5350 MHz, these radars could cause interference and/or damage to license exempt LAN devices.

[Page 73](#) 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: Ain Orientales Ardennes Charente Gers Loiret Nord Pyrénées Atlantique Haute Saône Vaucluse Val de Marne Hautes Alpes Aveyron Drôme...

## [Page 74: 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). When using the UMPC modem, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following: •...

[Page 75](#) 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 76: Asus Contact Information](#)

ASUS COMPUTER INTERNATIONAL (America) Address 800 Corporate Way, Fremont, CA 94539, USA Telephone +15029550883 +15029338713 Website usa.asus.com Software download support.asus.com\* ASUS COMPUTER GmbH (Germany and Austria) Address Harkort Str. 25, D40880 Ratingen, Germany Telephone +49210295990 +492102959911 Online contact

[www.asus.com.de/sales](http://www.asus.com.de/sales) Technical Support Telephone...