

# Asus M51BC User Manual

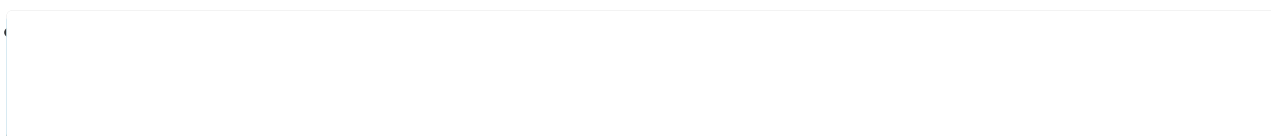
Desktop pc



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**ASUS Desktop PC**  
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## Summary of Contents for Asus M51BC

[Page 1](#) ASUS Desktop PC M51BC 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](#)

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[Page 4](#) Wired connection .....51 Wi-Fi connection (on selected models only) .....59 Chapter 7: Using the utilities ASUS AI Suite II ..... 63 ASUS Smart Cooling System (optional) .....70 Recovering your system .....73 Chapter 8: Troubleshooting Troubleshooting ..... 79...

### [Page 5: Notices](#)

Notices 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.

[Page 6](#) IC: Canadian Compliance Statement Complies with the Canadian ICES-003 Class B specifications. This device complies with RSS 10 of Industry Canada. This Class B device meets all the requirements of the Canadian interference-causing equipment regulations. This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: this device may not cause interference, and (1) this device must accept any interference, including interference that may cause undesired operation of the device.

[Page 7](#) RF Equipment Notices CE: European Community Compliance Statement The equipment complies with the RF Exposure Requirement 1999/519/EC, Council Recommendation of 1 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0-300 GHz). This wireless device complies with the R&TTE Directive. Wireless Radio Use This device is restricted to indoor use when operating in the 5.15 to 5.25 GHz frequency band.

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

Safety information Disconnect the AC power and peripherals before cleaning. Wipe the Desktop PC using a clean cellulose sponge or chamois cloth dampened with solution of nonabrasive detergent and a few drops of warm water then remove any extra moisture with a dry cloth. DO NOT place on uneven or unstable work surfaces.

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

Refer to the following sources for additional information and for product and software updates. ASUS websites The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS website [www.asus.com](http://www.asus.com). ASUS Local Technical Support Visit ASUS website at <http://support.asus.com/contact> for the contact information of local Technical

Support Engineer.

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

Package contents ASUS Desktop PC Keyboard x1 Mouse x1 Power cord x1 DVD/SDVD/RDVD x1 (optional) Installation Guide x1 Warranty card x1 Antenna x 1 (optional) Antennas x 1 (optional)

- If any of the above items are damaged or missing, contact your retailer.

## [Page 11: Chapter 1: Getting Started](#)

All these values are encapsulated in a stunningly futuristic and stylish system casing. Read the ASUS Warranty Card before setting up your ASUS Desktop PC. Getting to know your computer illustrations are for reference only. The ports and their locations, and the chassis color vary with different models.

[Page 12](#) Microphone port. This port connects to a microphone. Headphone port. This port connects to a headphone or speaker. Supported by ASUS Audio Wizard. Power button. Press this button to turn on your computer. Card readers' cover. Open this cover to display the card reader slots.

[Page 13](#) Optical S/PDIF\_OUT port. This port connects to an external audio output device via an optical S/PDIF cable. USB 3.0 ports. These Universal Serial Bus 3.0 (USB 3.0) ports connect to USB 3.0 devices such as a mouse, printer, scanner, camera, PDA, and others. ASUS M51BC...

[Page 14](#) • DO NOT connect a keyboard / mouse to any USB 3.0 port when installing Windows® operating system. • Due to USB 3.0 controller limitation, USB 3.0 devices can only be used under Windows OS environment and after the USB 3.0 driver installation. ®...

[Page 15](#) GREEN 1Gbps connection LAN port ASUS Graphics Card (on selected models only). The display output ports on this optional ASUS Graphics Card may vary with different models. ASUS WLAN Card (on selected models only). This optional WLAN card allows your computer to connect to a wireless network.

## [Page 16: Setting Up Your Computer](#)

The display output ports on the ASUS Graphics Card may vary with different models. • If your computer comes with an ASUS Graphics Card, the graphics card is set as the primary display device in the BIOS. Hence, connect your monitor to a display output port on the graphics card.

[Page 17](#) Connect your USB keyboard and USB mouse to the USB 3.0 ports. Connecting the power cord Connect one end of the power cord to the power connector on the rear panel of your computer and the other end to a power source. ASUS M51BC...

## [Page 18: Turning Your Computer On/Off](#)

Turning your computer ON/OFF This section describes how to turn on/off your computer after setting up your computer. Turning your computer ON To turn your computer ON: Turn on the power switch. Turn your monitor ON. Press the power button on your computer. Power button Wait until the operating system loads automatically.

## [Page 19: Chapter 2: Using Windows](#)

Select Use recommended settings or Install important updates only to set up the security settings for your computer. To skip this step, select Ask me later. Review your date and time settings. Click Next. The system loads the new settings and restarts. You may now start using your computer. ASUS M51BC...

[Page 20](#) Using Windows 7 desktop ® > Help and Support to obtain more information about Windows Click the Start icon ® Using the Start menu The Start menu gives you access to programs, utilities, and other useful items on your computer. It also provides you with more information about Windows 7 through its Help and Support feature.

[Page 21](#) From the Start menu, right-click the program that you want to unpin, then select Remove from this list. Unpinning programs from the taskbar To unpin programs from the taskbar: From the taskbar, right-click the program that you want to remove from the taskbar, then select Unpin this program from taskbar. ASUS M51BC...



## [Page 22: Managing Your Files And Folders](#)

Using the notification area By default, the notification area shows these three icons: Action Center notification Click this icon to display all the alert messages/notifications and launch the Windows ® Action Center. Network connection This icon displays the connection status and signal strength of the wired or wireless network connection.

[Page 23](#) From the menu that appears, select Sort by, then select your preferred sorting type. Grouping your files To group your files: Launch Windows Explorer. Right-click anywhere on the View pane. From the menu that appears, select Group by, then select your preferred grouping type. ASUS M51BC...

## [Page 24: Restoring Your System Settings](#)

Adding a new folder To add a new folder: Launch Windows Explorer. From the toolbar, click New folder. Key in a name for the new folder. You may also right-click anywhere on the View pane, click New > Folder. Backing up your files Setting up a backup To set up a backup: >...

## [Page 25: Protecting Your Computer](#)

From the Windows taskbar, click ® Select Manage another account. Select Create a new account. Key in the name of the new user. Select either Standard user or Administrator as the user type. When done, click Create Account. ASUS M51BC...

## [Page 26: Getting Windows ® Help And Support](#)

Setting up a user's password To set up a user's password: Select the user that you would like to set a password. Select Create a password. Key in a password and confirm it. Key in your password's hint. When done, click Create password. Activating the anti-virus software Trend Micro Internet Security is pre-installed on your computer.

## [Page 27: Chapter 3: Using Windows](#)

Once you are done configuring the basic items, the Windows 8 video tutorial appears. ® Watch this tutorial to learn more about Windows 8 functionalities. ® For details on using Windows 8, refer to the next sections. ® ASUS M51BC...

## [Page 28: Using The Windows](#)

Using the Windows ® The Windows User Interface (UI) is the tile-based display used in Windows 8. It includes ® ® the following features you can use while working on your Desktop PC. Start screen The Start screen appears after successfully signing in to your user account. It helps organize all the programs and applications you need in just one place.

[Page 29](#) Onscreen hotspots allow you to launch programs and access the settings of your Desktop PC. The functions in these hotspots can be activated using your mouse. Hotspots on a running app Hotspots on the Start screen Refer to the next page for the Hotspots' functions. ASUS M51BC...

[Page 30](#) Hotspot Action upper left corner Hover your mouse pointer then click on the recent app's thumbnail to go back to that app. Move your mouse pointer down to display all the running apps. From a running app screen: lower left corner Hover your mouse pointer then click on the Start screen's thumbnail to go back to the Start screen.

## [Page 31: Working With Windows ® Apps](#)

Move your mouse pointer on the top side of the launched app then wait for the pointer to change to a hand icon. • Drag then drop the app to the bottom of the screen to close it. • From the running app's screen, press <Alt> + <F4>. ASUS M51BC...

[Page 32](#) Accessing the All Apps screen From the All Apps screen, you can configure an apps settings or pin an app to the Start screen or to the Desktop mode taskbar. Launching the All Apps screen Right-click on the Start screen or press + <Z>, and click the All Apps icon.

[Page 33](#) Charms bar looks like once activated. Use your Desktop PC's mouse or keyboard to launch the Charms bar. • Move your mouse pointer on the upper or lower right corner of the screen. • Press + <C>. ASUS M51BC...

[Page 34](#) Inside the Charms bar Search This tool allows you to look for files, applications, or programs in your Desktop PC. Share This tool allows you to share applications via social networking sites or email. Start This tool 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 35](#) + < . > to activate the Snap bar. The first app would • Launch an app then press automatically be placed in the smaller display area. Launch another app. This second app will automatically appear in the bigger display area. To switch between apps, press + <J>. ASUS M51BC...

### [Page 36: Other Keyboard Shortcuts](#)

Other keyboard shortcuts Using your keyboard, you can also use the following shortcuts to help you launch applications and navigate Windows ® Switches between the Start screen and the last running app. Launches the desktop. + <D> Launches the Computer window on the desktop. + <E>...

### [Page 37: Turning Your Desktop Pc Off](#)

If your Desktop PC is unresponsive, press and hold the power button for at least four (4) seconds until your Desktop PC turns off. Putting your Desktop PC to sleep To put your Desktop PC on Sleep mode, press the Power button once. ASUS M51BC...

### [Page 38: Entering The Bios Setup](#)

Entering the BIOS Setup BIOS (Basic Input and Output System) stores system hardware settings that are needed for system startup in the Desktop PC. In normal circumstances, the default BIOS settings apply to most conditions to ensure optimal performance. Do not change the default BIOS settings except in the following circumstances: •...

### [Page 39: Chapter 4: Connecting Devices To Your Computer](#)

Eject USB2.0 FlashDisk or Eject USB3.0 FlashDisk if you are using the USB3.0 flash drive or USB3.0-compatible devices. When the Safe to Remove Hardware message pops up, remove the USB storage device from your computer. ASUS M51BC...

### [Page 40: Connecting Microphone And Speakers](#)

To remove a USB storage device on Windows ® From the Start screen, click Desktop to launch the Desktop Mode. from the taskbar, then click Eject Click [Name of USB Drive]. When the Safe to Remove Hardware message pops up, remove the USB storage device from your computer.

[Page 41](#) Connecting 2.1-channel Speakers Connecting 4.1-channel Speakers ASUS M51BC...

[Page 42](#) Connecting 6-channel Speakers Chapter 4: Connecting devices to your computer...

[Page 43](#) Connecting 8-channel Speakers ASUS M51BC...

### [Page 44: Connecting Multiple External Displays](#)

Connecting multiple external displays Your desktop PC may come with VGA, HDMI, or DVI ports and allows you to connect multiple external displays. When a graphics card is installed in your computer, connect the monitors on the output ports of the graphics card. Setting up multiple displays When using multiple monitors, you are allowed to set display modes.

[Page 45](#) This increases your desktop space. Show desktop only on 1 / 2: Select this option to show desktop only on monitor 1 • or monitor □. Remove this display: Select this options to remove the selected display. • ASUS M51BC...

[Page 46](#) On Windows ® Duplicate these displays: Select this option to use the additional monitor as a • duplicate of your main display. Extend these displays: Select this option to use the additional monitor as an • extension display. This increases your desktop space. Show desktop only on 1 / 2: Select this option to show desktop only on monitor 1 •...

### [Page 47: Connecting An Hdtv](#)

Connect a High Definition TV (HDTV) to the HDMI port of your computer. • You need an HDMI

cable to connect the HDTV and the computer. The HDMI cable is purchased separately. • To get the best display performance, ensure that your HDMI cable is less than 15 meters. ASUS M51BC...

[Page 48](#) Chapter 4: Connecting devices to your computer...

### [Page 49: Chapter 5: Using Your Computer](#)

• Use your Desktop PC in a comfortably-lit area, and keep it away from sources of glare such as windows and straight sunlight. • Take regular mini-breaks from using your Desktop PC. ASUS M51BC...

### [Page 50: Using The Memory Card Reader](#)

Using the memory card reader Digital cameras and other digital imaging devices use memory cards to store digital picture or media files. The built-in memory card reader on the front panel of your system allows you to read from and write to different memory card drives. To use the memory card: Insert the memory card into the card slot.

### [Page 51: Using The Optical Drive](#)

8, hover your mouse pointer over the lower ® left corner of Windows desktop then right-click on the Start screen's thumbnail. From the ® popup menu, click File Explorer to open the Computer screen. Remove the disc from the disc tray. ASUS M51BC...

### [Page 52: Using The Keyboard \(On Selected Models Only\)](#)

Using the keyboard (on selected models only) The keyboard varies with models. The illustrations on this section are for reference only. ASUS KB34211 modern wired keyboard Hot keys Description Turns the volume's mute mode on/off. Decreases the system volume. Increases the system volume.

### [Page 53: Chapter 6: Connecting To The Internet](#)

Turn on the DSL/cable modem and your computer. Configure the necessary Internet connection settings. • For more details, refer to the section Configuring the network connection. • Contact your Internet Service Provider (ISP) for details or assistance in setting up your Internet connection. ASUS M51BC...

[Page 54](#) Connecting via a local area network (LAN) To connect via a LAN: Connect one end of an RJ-45 cable to the LAN (RJ-45) port on the rear panel of your computer and the other end to your LAN. RJ-45 cable Turn on your computer.

[Page 55](#) Select Obtain DNS server address automatically if you want the DNS server settings to be assigned automatically. Otherwise, select Use the following DNS server addresses: and key in the Preferred and Alternate DNS server. Click OK when done. ASUS M51BC...

[Page 56](#) Continue to the next steps if you are using PPPoE connection. Return to the Network and Sharing Center and then click Set up a new connection or network. Select Connect to the Internet and click Next. Select Broadband (PPPoE) and click Next.

[Page 57](#) Repeat steps 1 to 4 of the previous section. Click Use the following IP address. Enter the IP address, Subnet mask and Gateway from your service provider. If needed, enter the preferred DNS Server address and alternative address. When done, click OK. ASUS M51BC...

[Page 58](#) Configuration options on Windows ® Configuring a dynamic IP/PPPoE network connection To configure a dynamic IP/PPPoE network connection: From the Start screen, click Desktop to launch the Desktop mode. and click Open Network From the Windows taskbar, right-click the network icon ®...

[Page 59](#) OK. Continue to the next steps if you are using PPPoE connection. Return to the Network and Sharing Center and then click Set up a new connection or network. Select Connect to the Internet and click Next. ASUS M51BC...

[Page 60](#) Select Broadband (PPPoE) and click Next. Enter your User name and, Password, and Connection name. Click Connect. Click Close to finish the configuration. Click the network icon in the taskbar and click the connection you just created. Enter your user name and password.

Click Connect to connect to the Internet.

### [Page 61: Wi-Fi Connection \(On Selected Models Only\)](#)

- To increase the range and sensitivity of the wireless radio signal, connect the external antennas to the antenna connectors on the ASUS WLAN Card.
- Place the antennas on the top of your computer for the best wireless performance.

[Page 62](#) Connecting to a Wi-Fi network Windows ® To connect to a Wi-Fi network: Click the network icon in the notification area to display the available wireless networks. Select the wireless network that you want to connect to, then click Connect. You may need to key in the network security key for a secured wireless network, then click OK.

[Page 63](#) From the Charms bar, select Settings and click the network icon Select the network that you want to connect to from the list. Click Connect. ASUS M51BC...

[Page 64](#) Chapter 6: Connecting to the Internet...

### [Page 65: Chapter 7: Using The Utilities](#)

® ASUS AI Suite II ASUS AI Suite II is an all-in-one interface that integrates several ASUS utilities and allows users to launch and operate these utilities simultaneously. This utility is pre-installed on some models. For models without an operating system, follow the steps below to install this utility.

[Page 66](#) The Tool menu The Tool menu includes the EPU, Probe II, and Sensor Recorder panels. Launching and configuring EPU EPU is an energy-efficient tool that provides you with a total power-saving solution. It detects the current loading and intelligently adjusts the power usage in real-time. When you select the Auto mode, the system changes modes automatically according to the current system status.

[Page 67](#) The Preference tab allows you to customize the time interval of sensor alerts, or • change the temperature unit. Saves your configuration Loads your saved configuration Applies your changes Loads the default threshold values for each sensor ASUS M51BC...

[Page 68](#) Launching and configuring Sensor Recorder Sensor Recorder allows you to monitor the changes in the system voltage, temperature, and fan speed, as well as recording the changes. To launch Sensor Recorder: Click Tool > Sensor Recorder on the AI Suite II main menu bar. •...

[Page 69](#) The Update menu allows you to update the motherboard BIOS and the BIOS boot logo with the ASUS designed update utilities. ASUS Update The ASUS Update is a utility that allows you to manage, save, and update the motherboard BIOS in Windows OS. The ASUS Update utility allows you to update the BIOS directly ®...

[Page 70](#) Follow the onscreen instructions to complete the update process. MyLogo ASUS MyLogo allows you to customize the boot logo. The boot logo is the image that appears on screen during the Power-On Self-Tests (POST). ASUS MyLogo allows you to: •...

[Page 71](#) Click the Disk tab and then select each disk to see the details on it. • The Support screen The Support screen displays the information about the ASUS website, technical support website, download support website, or contact information. The Settings screen The Settings screen allows you to customize the main menu bar settings and the interface's...

### [Page 72: Asus Smart Cooling System \(Optional\)](#)

ASUS Smart Cooling System (optional) ASUS Smart Cooling System is an optional feature on selected models and may be purchased separately. Configuring the UEFI BIOS models ASUS Smart Cooling System maintains the internal system components through its air circulation after each system boot up. Follow these steps to configure this feature: Enter the BIOS Setup program.

[Page 73](#) Press <F10> and click Yes to save your settings. The system automatically reboots to finish the setup process. During the system reboot, the Power LED flashes to indicate that the dust extraction fan rotates in reverse to remove the dust from the internal system components.

## [Page 74: Recovering Your System](#)

DO NOT delete the system recovery partition, which is the partition without volume label on Disk 0. The system recovery partition is created at the factory and cannot be restored if deleted. Take your Desktop PC to an authorized ASUS service center if you have problems with the recovery process.

[Page 75](#) DVD to reinstall your system. • Ensure that all data are backed up before doing a full recovery of your operating system to avoid losing important files. Download the multi-language versions of this notice from the ASUS Support site at <http://support.asus.com> ASUS M51BC...

[Page 76](#) To reset your PC by using Recovery DVD: • Back up all your data before using this option. • Disconnect all external hard disk drives before performing system recovery on your Desktop PC to avoid restoring Windows on the wrong partition or drive. Press <F8>...

[Page 77](#) Next. Select the USB storage device where you want to copy the recovery files. Click Next. Click Create. Wait for a while for the process to complete. When the process is completed, click Finish. ASUS M51BC...

[Page 78](#) Removing everything and reinstalling Windows Restoring your PC to its original factory settings can be done using the Remove everything and reinstall option in PC Settings. Refer to the steps below to use this option. Back up all your data before using this option. This process may take a while to complete.

## [Page 79: Chapter 8: Troubleshooting](#)

Ensure that you enter the correct network security key for the wireless network you want to connect to. • Connect the external antennas (optional) to the antenna connectors on the ASUS WLAN Card and place the antennas on the top of your computer chassis for the best wireless performance. ASUS M51BC...

[Page 80](#) The arrow keys on the number key pad are not working. Check if the Number Lock LED is off. When the Number Lock LED is on, the keys on the number key pad are used to input numbers only. Press the Number Lock key to turn the LED off if you want to use the arrow keys on the number key pad.

[Page 81](#) Appearance and Personalization. From the Desktop Mode screen a) Launch the Desktop Mode from the Start screen. b) Right click anywhere on your Desktop Mode screen. When the pop-up menu appears, click Personalize > Display > Change display settings. ASUS M51BC...

[Page 82](#) My speakers produce no sound. • Ensure that you connect your speakers to the Line out port (lime) on the front panel or the rear panel. • Check if your speak is connected to an electrical source and turned on. •...

[Page 83](#) • Ensure that the power cord is Your computer's power properly connected. cord is not properly connected. • Use other compatible power cord. Contact the ASUS Service Center PSU (Power supply unit) about installing another PSU on your problems computer. ASUS M51BC...

[Page 84](#) Ensure the LAN LED is on. If not, try another LAN cable. If it still does LAN cable problems not work, contact the ASUS service center. Your computer is not Ensure that your computer is properly Cannot access properly connected to a connected to a router or hub.

[Page 85](#) Computer virus attack computer. • Reinstall the operating system. • Send the damaged hard disk drive to ASUS Service Center for Hard disk drive failure servicing. • Replace with a new hard disk drive. • Replace with compatible memory modules.

[Page 86](#) • Contact the ASUS Service Center for assistance. If the problem still persists, refer to your Desktop PC's warranty card and contact the ASUS Service Center. Visit the ASUS Support site at <http://support.asus.com> for the service center information.

## [Page 87: Asus Contact Information](#)

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