

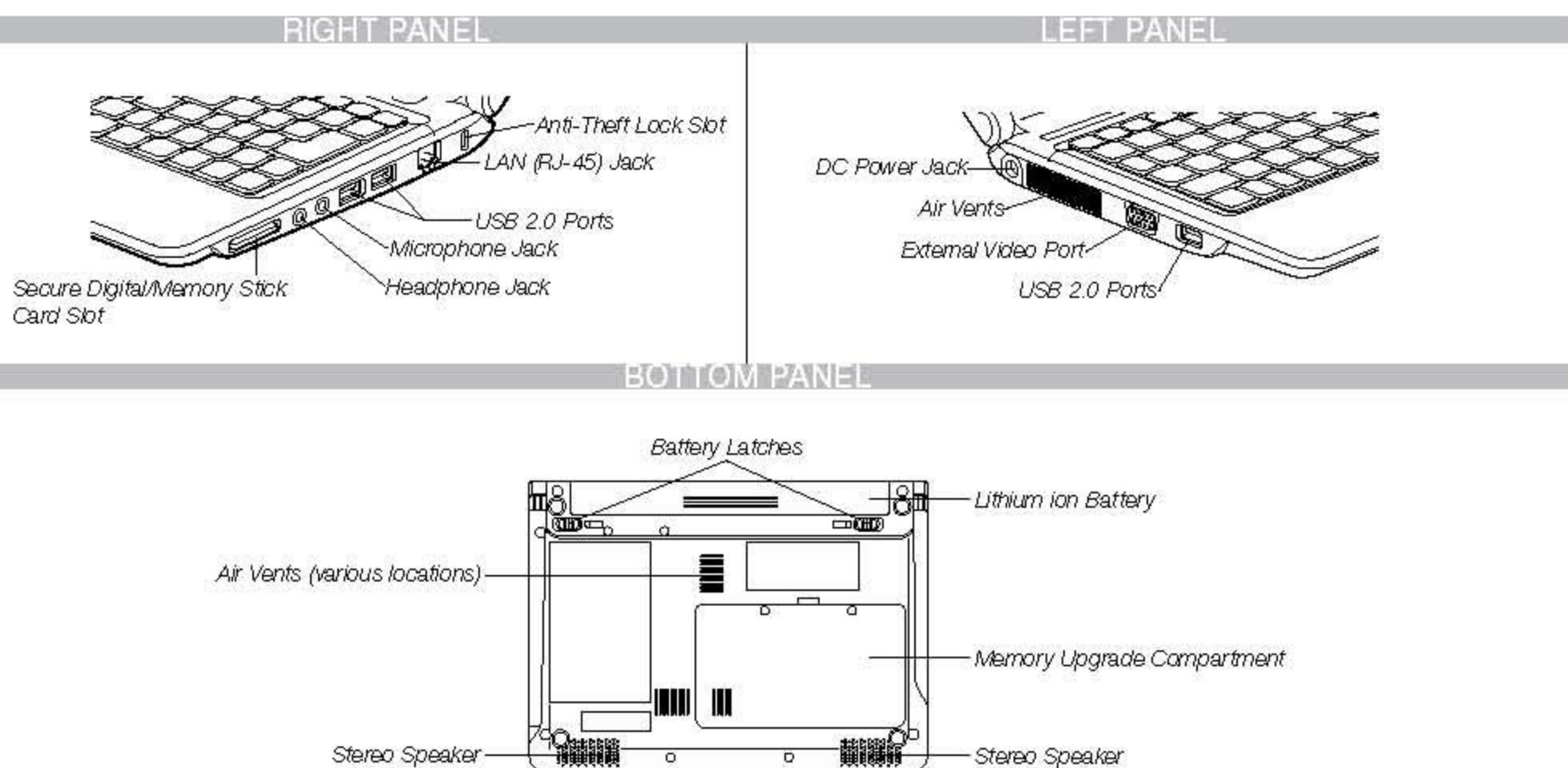
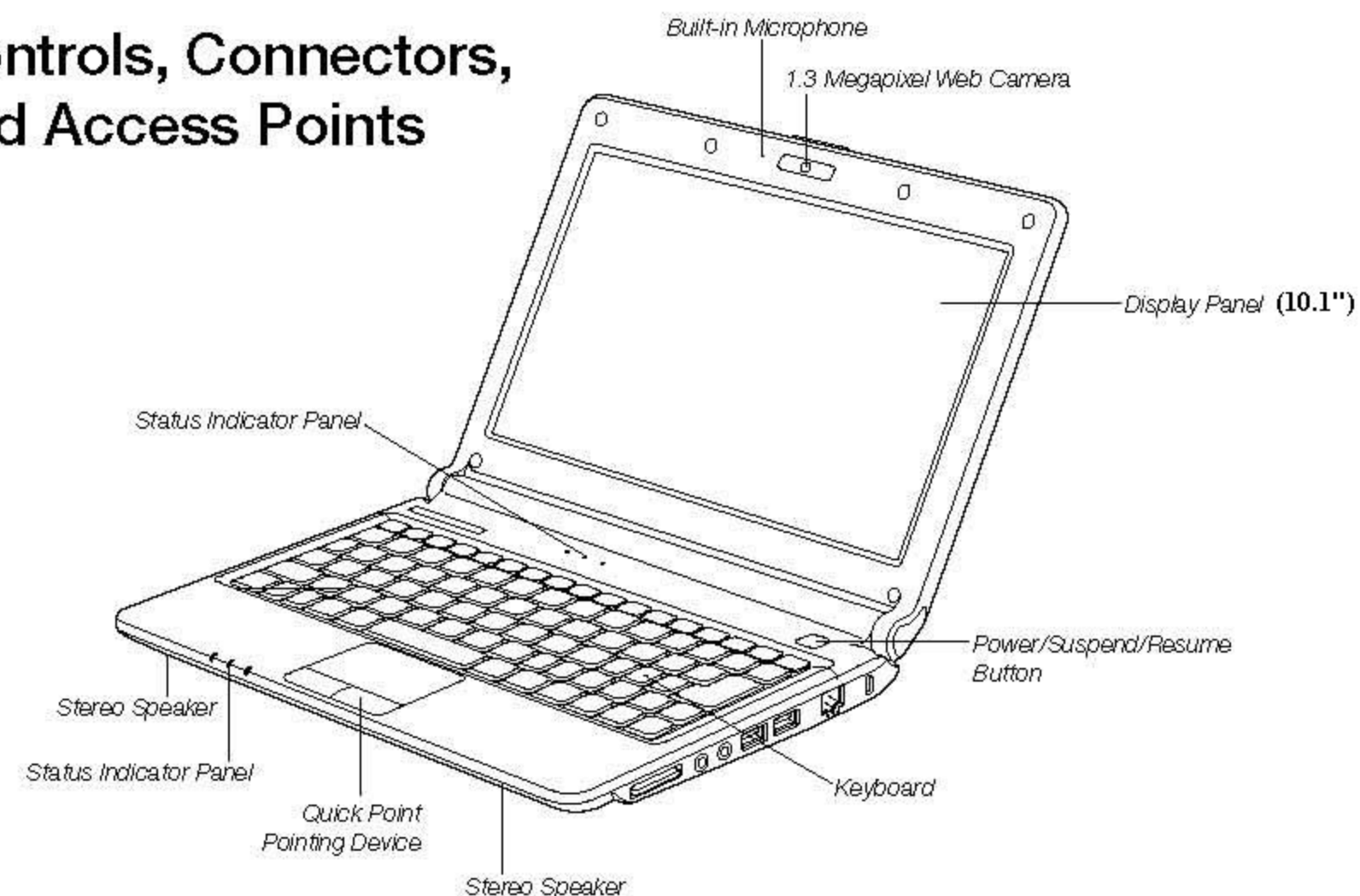
This convenient guide will lead you through the start-up process and will also offer some valuable tips.

## What's in the Box

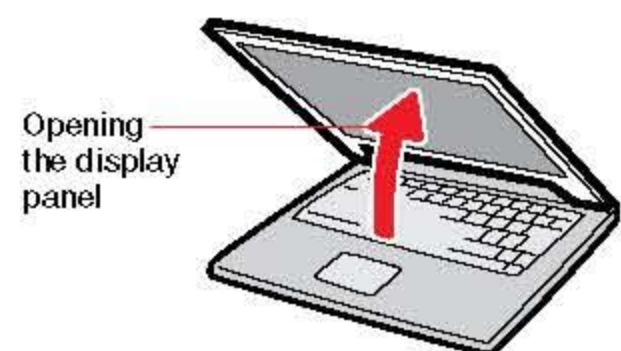
Check to see that all of the following items are in the box:

- Fujitsu notebook
- Lithium ion battery, pre-installed
- AC adapter with power cord
- Drivers and Applications Restore (DAR) disc
- International Limited Warranty and Registration booklet

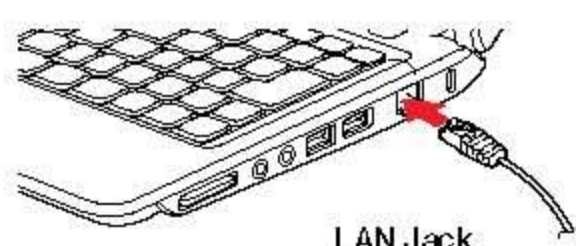
## Controls, Connectors, and Access Points



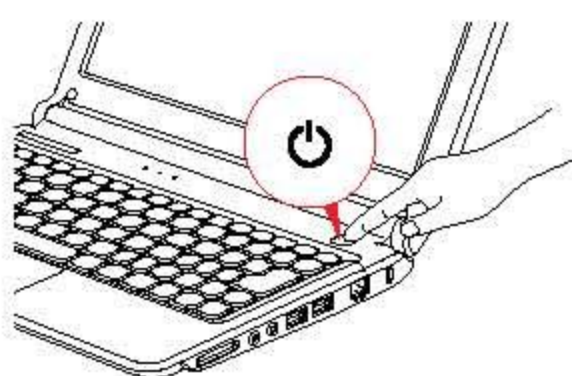
## Initial Start Up



Opening the display panel



LAN Jack



Power/Suspend/Resume Button

### 1. Open the Display Panel

- Ensure that your notebook is on a hard level surface and that the air vents are not blocked.
- Lift the display, being careful not to touch the screen.
- Adjust the display until it is at a comfortable viewing angle.

### 2. Connect AC Power

- Plug the AC adapter into your notebook.
- Plug the power cord into the AC adapter.
- Connect the power cord to an electrical outlet.

### 3. Connect to Internet or Network

- Connect the Ethernet cable to the LAN jack on your notebook and to a wall jack or to an Ethernet router.

#### Important:

- During the setup procedure, do not disconnect the power supply, press any buttons, or use any peripheral devices such as a remote control.
- You should not attach any external devices and do not put a DVD/CD in your drive until you have gone through the initial power on sequence.

### 4. Booting the System

- i** The Lithium ion battery is not charged upon purchase. Initially you will need to connect either the AC adapter or the Auto/Airline adapter to use your notebook.
- i** Be careful when you select the language. The only way to change the language is to do a recovery process.

- Press the Suspend/Resume/Power button (above the keyboard) to turn on the notebook. When you do this for the first time, it will display a Fujitsu logo on the screen. If you do nothing the system will load the operating system, and then the Windows Welcome will begin.

### 5. Installing Click Me!

- When you click the Click Me! icon, your system will automatically build the icon tray in the bottom right of the screen. These icons provide links to utilities that you will frequently access.



- If the FDU icon is missing from Windows taskbar notification area, please download and install FDU package from the support website. This application will keep your notebook up to date with the latest released drivers.

### 6. Registering Your Fujitsu notebook

- Register your notebook with Fujitsu Service and Support via our website at [us.fujitsu.com/computers](http://us.fujitsu.com/computers).
- You will need to be set up with an Internet Service Provider (ISP) to register online.

### 7. Access your User's Guide

- To take advantage of all the features of your new Fujitsu notebook, it is highly recommended that you read your electronic User's Guide. It contains important detailed information about your new computer. You can access your User's Guide by selecting its icon from the screen desktop. You will need to be connected to the Internet.



### 8. Restoring your System

- If the need arises, you can safely recover back to the factory image by following a straight-forward procedure which comes with your recovery disc.

## Common Indicators

### Status Display Panel

The Status Indicators represent specific components of your Fujitsu notebook. The LEDs below each symbol tell you how each of those components are operating.

- Wireless Device Indicator**  
Glow blue when your wireless device is turned on.

- Power Indicator**  
Glow blue when your system is turned on.

- Battery Charger / DC In**  
Orange, solid: AC adapter and battery are available and system is charging.

Green, solid: AC adapter and battery are available and system is fully charged, or AC adapter is plugged in but battery is not installed.

Orange, blinking: AC adapter and battery are available and waiting to charge battery (battery is out of thermal range).

Off: AC adapter is not plugged in.

- i** If the battery pack is installed while the power is turned off, the battery level indicator will display the charge level for five seconds after it blinks orange.

- i** If the AC adapter is not connected or the battery pack is not fully charged when the computer is switched to standby mode, the indicator will blink. The LED blinks at the rate of one second on/six seconds off.

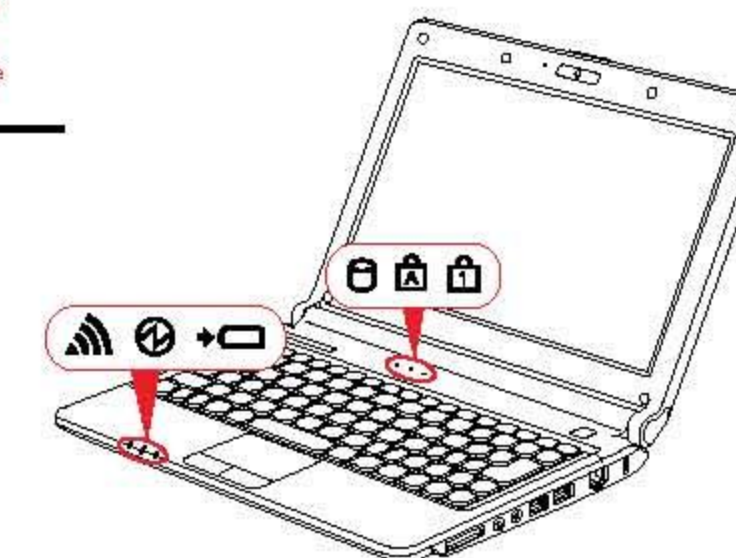
- !** Batteries subjected to shocks, vibration or extreme temperatures can be permanently damaged.

- !** A shorted battery is damaged and must be replaced.

- Hard Drive Access**  
Glow green when your internal hard drive is being accessed. Note that flickering is normal.

- Caps Lock**  
Glow when your keyboard is set to type in all capital letters.

- NumLock**  
Glow when the integral keyboard is in ten-key numeric keypad mode.



## Quick Tips

It takes approximately 4 hours to charge a fully discharged single battery with unit off or in suspend mode.

### Optimizing Battery Life

- Set power management setting to Maximize Battery Life.
- Adjust display brightness levels to lowest comfortable setting.
- Remove PC Cards and Express-Cards when not needed.
- Utilize Suspend mode when not using your notebook.
- Read the Power Management section in your electronic User's Guide for additional features.

### Adjusting Display Brightness

- Fn + F6 to decrease brightness
- Fn + F7 to increase brightness

### Adjusting Volume

- Fn + F8 to decrease volume
- Fn + F9 to increase volume

- Stereo microphone/line in jack depending on configuration.
- Stereo headphone/Optical Digital Audio out jack or stereo headphone/Line Out/Optical Digital Audio out jack.

## Drivers

Look for the latest drivers on the Drivers and Applications Restore disc, or download them at [us.fujitsu.com/computers](http://us.fujitsu.com/computers).

## SAVE THESE INSTRUCTIONS

All repairs must be accomplished by an Authorized Repair Technician.



### Warning

**DECLARATION OF CONFORMITY** according to FCC Part 15 Responsible Party Name: Fujitsu Computer Systems Corporation Address: 1250 E. Arques Avenue, M/S 122 Sunnyvale, CA 94085 Telephone: (408) 746-6000 Declares that product: Base Model Configuration: Fujitsu M2010 notebook Complies with Part 15 of the FCC Rules. This device complies with Part 15 of the FCC rules. Operations are subject to the following two conditions: (1) This device may not cause harmful interference, (2) This device must accept any interference received, including interference that may cause undesired operation.

### IMPORTANT SAFETY INSTRUCTIONS

This unit requires an AC adapter to operate. Use only UL Listed I.T.E. Class II Adapters with an output rating of 19 VDC, with a current of 4.22 A (80 W).

AC adapter output polarity:

When using your notebook equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using the modem during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the modem to report a gas leak in the vicinity of the leak.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- To reduce the risk of fire, use only No. 26 AWG or larger UL Listed or CSA Certified Telecommunication Line Cord.
- For TV tuner use: To protect from overvoltages and transients on the Cable Distribution System, be sure that the outer shield of the coaxial cable is connected to earth (grounded) at the building premise as close to the point of cable entrance as practicable, as required per NEC Article 820.93, ANSI/NFPA 70: 2005. If you have questions about your CATV installation, contact your service provider.

### For Authorized Repair Technicians Only



### Warning

DANGER OF EXPLOSION IF LITHIUM (CLOCK) 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 INSTRUCTION.



### Caution

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE AND RATING FUSE.

## System Disposal



LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE, OR FEDERAL LAWS.

## Recycling your battery

Over time, the batteries that run your mobile computer will begin to hold a charge for a shorter amount of time; this is a natural occurrence for all batteries. When this occurs, you may want to replace the battery with a fresh one\*. If you replace it, it is important that you dispose of the old battery properly because batteries contain materials that could cause environmental damage if disposed of improperly.



Fujitsu is very concerned with environmental protection, and has enlisted the services of the Rechargeable Battery Recycling Corporation (RBRC)\*\*, a non-profit public service organization dedicated to protecting our environment by recycling old batteries at no cost to you.

RBRC has drop-off points at tens of thousands of locations throughout the United States and Canada. To find the location nearest you, go to [www.RBRC.org](http://www.RBRC.org) or call 1-800-822-8837.

If there are no convenient RBRC locations near you, you can also go to the EIA Consumer Education Initiative website (<http://EIAE.org/>) and search for a convenient disposal location. Remember—protecting the environment is a cooperative effort, and you should make every effort to protect it for current and future generations.

\* To order a new battery for your Fujitsu mobile computer, go to the Fujitsu shopping site at [www.shopfujitsu.com](http://www.shopfujitsu.com) in the US or [www.fujitsu.ca/products/notebooks](http://www.fujitsu.ca/products/notebooks) in Canada.

\*\* RBRC is an independent third party to which Fujitsu provides funding for battery recycling; RBRC is in no way affiliated with Fujitsu.

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## Popular Accessories

Lithium Ion Battery  
Auto/Airline Adapter  
Additional AC Adapter  
USB 2.0 Docking Station  
USB Optical Mouse  
Wireless Keyboard and Mouse

### Carrying Cases

- Diplomat
- Workstation Plus

### Have questions or need help?

- Visit our website at [us.fujitsu.com/computers](http://us.fujitsu.com/computers)
- Call us anytime at 1.800.8FUJITSU
- Email us at [8fujitsu@us.fujitsu.com](mailto:8fujitsu@us.fujitsu.com)

### Want more information on Fujitsu products?

- Visit our website at [www.shopfujitsu.com](http://www.shopfujitsu.com)
- Call us anytime at 1.800.FUJITSU

### Fujitsu Extended Service Plans available.

### Visit [us.fujitsu.com/computers](http://us.fujitsu.com/computers)

to purchase any of these accessories or to get more information.

### Record your notebook serial number here:

Serial # \_\_\_\_\_  
(see bottom of computer)

Fujitsu Computer Systems Corporation  
1250 E. Arques Avenue M/S 122  
Sunnyvale, CA 94085

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# Getting Started

Get Started with your  
Fujitsu M2010 Notebook

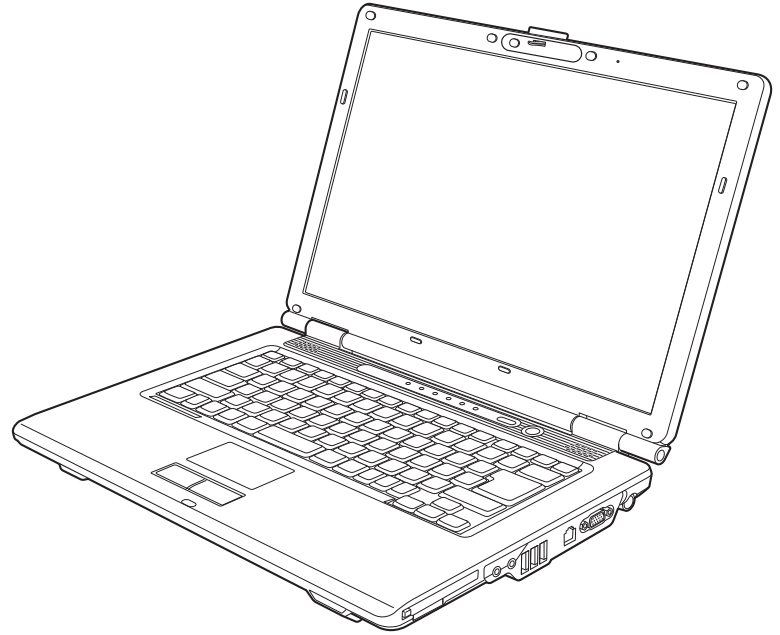
This guide will lead you through the start-up process for your new Fujitsu notebook and will also provide some valuable tips. To learn about all the exciting features that your new notebook has to offer, please see the User's Guide that can be accessed after completing the start-up procedure.


**FUJITSU**

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# User's Guide

Learn how to use  
your Fujitsu  
M2010 notebook



  
**FUJITSU**

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# Regulatory Information

## Notice

Changes or modifications not expressly approved by Fujitsu could void this user's authority to operate the equipment.

## FCC NOTICES

### Notice to Users of Radios and Television

This equipment has been tested and found to comply with the limit for class B digital devices, pursuant to parts 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet that is on a different circuit than the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnect cables must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device.

## **DOC (INDUSTRY CANADA) NOTICES**

### **Notice to Users of Radios and Television**

This Class B digital apparatus meets all requirements of Canadian Interference-Causing Equipment Regulations.

CET appareil numérique de la class B respecte toutes les exigence du Règlement sur le matériel brouilleur du Canada.



# Appendix A: WLAN User's Guide

## **FC** FCC Regulatory Information

Please note the following regulatory information related to the optional wireless LAN device.

### **Regulatory Notes and Statements**

#### **Wireless LAN, Health and Authorization for use**

Radio frequency electromagnetic energy is emitted from Wireless LAN devices. The energy levels of these emissions, however, are far much less than the electromagnetic energy emissions from wireless devices such as mobile phones. Wireless LAN devices are safe for use by consumers because they operate within the guidelines found in radio frequency safety standards and recommendations. The use of Wireless LAN devices may be restricted in some situations or environments, such as:

- On board an airplane, or
- In an explosive environment, or
- In situations where the interference risk to other devices or services is perceived or identified as harmful.

In cases in which the policy regarding use of Wireless LAN devices in specific environments is not clear (e.g., airports, hospitals, chemical/oil/gas industrial plants, private buildings), obtain authorization to use these devices prior to operating the equipment.

## **Regulatory Information/Disclaimers**

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution or attachment of connecting cables and equipment other than those specified by the manufacturer. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. The manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failure to comply with these guidelines.

This device must not be co-located or operated in conjunction with any other antenna or transmitter.

**For IEEE 802.11a Wireless LAN:** For operation within 5.15~5.25 GHz frequency range, it is restricted to indoor environments, and the antenna of this device must be integral.

### **Federal Communications Commission statement**

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause interference, and, (2) This device must accept any interference, including interference that may cause undesired operation of this device.

### **FCC Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- 1** Reorient or relocate the receiving antenna.
- 2** Increase the distance between the equipment and the receiver.
- 3** Connect the equipment to an outlet on a circuit different from the one the receiver is connected to.
- 4** Consult the dealer or an experienced radio/TV technician for help.

## **FCC Radio Frequency Exposure statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the Wireless LAN antenna (located on the top edge of the LCD screen) and your body. The transmitters in this device must not be co-located or operated in conjunction with any other antenna or transmitter.

## **Export restrictions**

This product or software contains encryption code which may not be exported or transferred from the US or Canada without an approved US Department of Commerce export license. This device complies with Part 15 of FCC Rules., as well as ICES 003 B / NMB 003 B. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation. Modifications not expressly authorized by Fujitsu Computer Systems Corporation may invalidate the user's right to operate this equipment.

## **Canadian Notice**

The device for the 5150 - 5250 MHz band is only for indoor usage to reduce the potential for harmful interference to co-channel mobile satellite systems.

The maximum antenna gain of 6 dBi permitted (for devices in the 5250 - 5350 MHz, 5470 - 5725 MHz and 5725 - 5825 MHz bands) to comply with the e.i.r.p. limit as stated in A9.2 of RSS210.

In addition, users are cautioned to take note that high power radars are allocated as primary users (meaning they have priority) of 5250 - 5350 MHz and 5650 - 5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

The value of SAR is 0.117W/kg



## Before Using the Wireless LAN

This manual describes the procedures required to properly setup and configure the optional integrated Wireless LAN Mini Card device (referred to as “WLAN device” in the rest of the manual). Before using the WLAN device, read this manual carefully to ensure it's correct operation.

### Wireless LAN Devices Covered by this Document

This document is applicable to systems containing one of the following WLAN devices:

- Integrated Atheros AR5BHB63 (802.11 b/g)

### Characteristics of the WLAN Device

- The WLAN device is a Mini-PCI card attached to the main board of the mobile computer.
- The WLAN device operates in license-free RF bands, eliminating the need to procure an FCC operating license. The WLAN operates in the 2.4GHz Industrial, Scientific, and Medical (ISM) RF band and the lower, middle.
- The WLAN device is capable of four operating modes, IEEE802.11b, IEEE802.11g.
- The WLAN device is Wi-Fi certified and operate (as applicable) at 54 Mbps in IEEE802.11g mode; and 11 Mbps in IEEE802.11b mode.
- The WLAN device supports the following encryption methods - WEP, TKIP, CKIP, and AES encryption.
- The Wireless LAN device is compliant with the following standards: WPA, WPA2, CCX1.0, CCX2.0, CCX3.0, and CCX4.0.

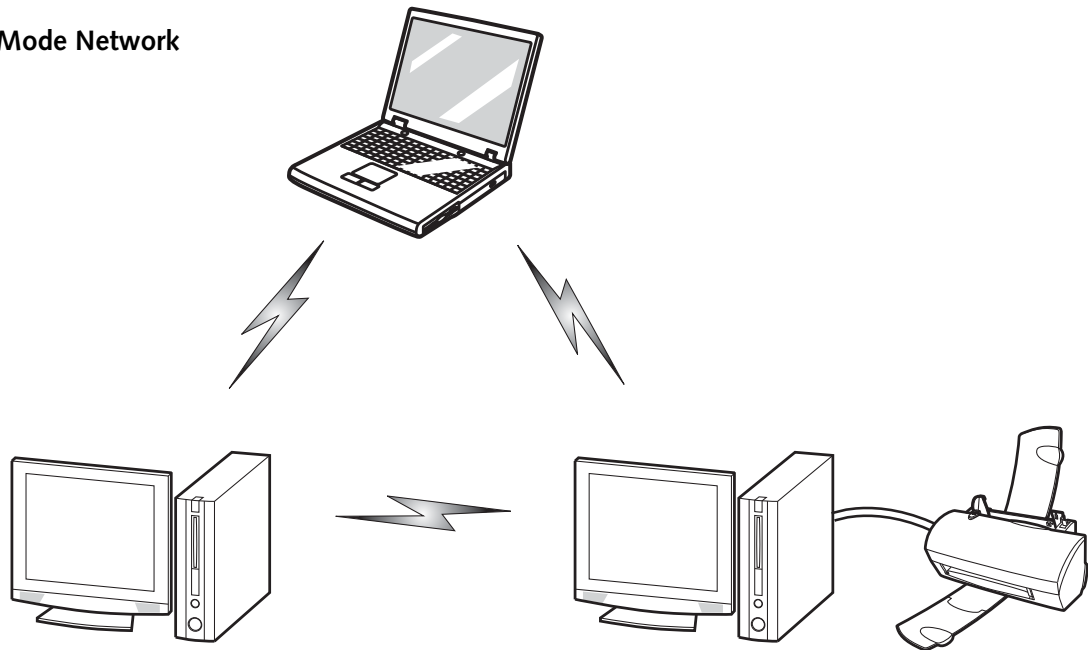
## Wireless LAN Modes Using this Device

### Ad Hoc Mode

“Ad Hoc Mode” refers to a wireless network architecture where wireless network connectivity between multiple computers is established without a central wireless network device, typically known as Access Point(s). Connectivity is accomplished using only client devices in a peer-to-peer fashion. That is why Ad Hoc networks are also known as peer-to-peer networks. Ad Hoc networks are an easy and inexpensive method for establishing network connectivity between multiple computers.

Ad Hoc mode requires that the SSID (service set identifier), network authentication, and encryption key settings are identically configured on all computers in the Ad Hoc network.

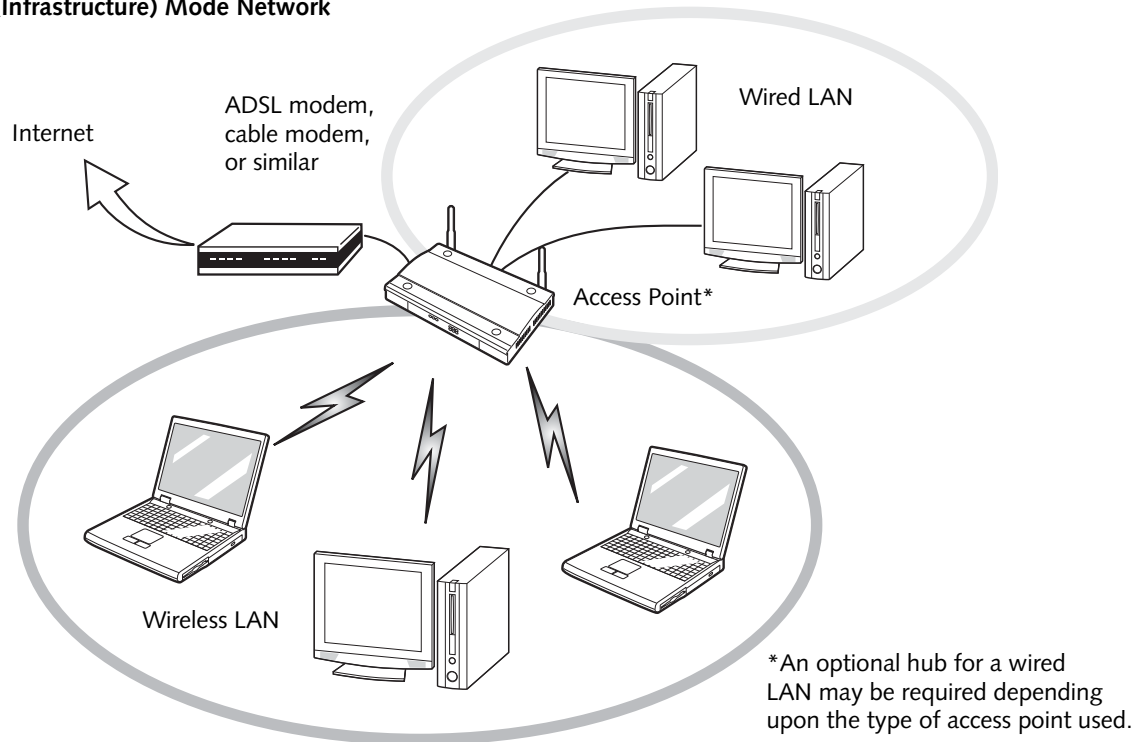
Ad Hoc Mode Network



## Access Point (Infrastructure) Mode

Infrastructure mode refers to a wireless network architecture in which devices communicate with wireless or wired network devices by communicating through an Access Point. In infrastructure mode, wireless devices can communicate with each other or with a wired network. Corporate wireless networks operate in infrastructure mode because they require access to the wired LAN in order to access computers, devices, and services such as file servers, printers, and databases.

### Access Point (Infrastructure) Mode Network



## How to Handle This Device

The WLAN device is an optional device that may come pre-installed in your mobile computer. Under normal circumstances, it should not be necessary for you to remove or re-install it. The Operating System that your mobile computer comes with has been pre-configured to support the WLAN device.

## Wireless Network Considerations

- The WLAN device supports IEEE802.11b and IEEE802.11g.
- The WLAN device operates in the 2.4 GHz ISM band.
- Microwave ovens may interfere with the operation of WLAN devices since they operate in the same 2.4 GHz frequency range as IEEE802.11b/g devices.
- Wireless devices that transmit in the 2.4 GHz range may interfere with operation of WLAN devices in IEEE802.11b/g modes. Symptoms of interference include reduced throughput, intermittent disconnects, and many frame errors. It is HIGHLY recommended that these interfering devices be powered off to ensure proper operation of the WLAN device.

## Deactivating the WLAN Device

Disconnecting the WLAN device may be desired in certain circumstances (to extend battery life) or where certain environments require it (i.e., hospitals, clinics, airplanes, etc.). The WLAN device can be deactivated by using the Wireless On/Off key (Fn+F2), and it can be disconnected in Windows using the WLAN icon in the system tray (Note that disconnecting via the icon in the system tray does not turn off the radio; it continues to transmit and receive even though it's not connected.).



BEFORE USING THE WIRELESS LAN DEVICE, YOU MUST FIRST INSTALL CLICKME! TO ENSURE THAT THE CORRECT SOFTWARE FOR YOUR DEVICE IS INSTALLED. SEE SEE "INSTALLING CLICK ME!" ON PAGE 45.

## Deactivation using the Wireless LAN/Bluetooth On/Off Key (Fn + F2)

The WLAN device can be deactivated quickly and efficiently by toggling the Wireless LAN/Bluetooth On/Off Key to the Off position.



## Disconnection Using the Icon in the Taskbar

Note that disconnecting via the icon in the system tray does not turn off the radio; it continues to transmit and receive even though it's not connected.

- 1 Right-click the WLAN icon in the taskbar at the bottom right of your screen.
- 2 Choose Disconnect from a network.

## Activating the WLAN Device

Activation of the WLAN device can be accomplished using the same methods as the deactivation process

- Using the Wireless On/Off Key
- In Windows, by right-clicking the WLAN icon then clicking "Connect to a network"

# Configuration of the WLAN Device

The optional WLAN device can be configured to establish wireless network connectivity using the software that is built into Windows Vista. Support for most industry standard security solutions is contained in this software.

Pre-defined parameters will be required for this procedure. Please consult with your network administrator for these parameters:

## Configuring the WLAN Using Windows Vista

- 1** Click the Start button, then select Control Panel.
- 2** If the Control Panel is not in Classic View, select Classic View from the left panel. Double-click the Network and Sharing Center icon.
- 3** Select “Manage wireless networks” from the left panel.
- 4** Click on the [Add] button.
- 5** Depending upon what type of connection you would like to make, make a selection. For an infrastructure network, select “Manually create a network profile. For ad hoc network, select “Create an ad hoc network”.
- 6** Enter the required information. It may be necessary to consult with your network administrator for some of the information.
- 7** In the event you require assistance, go to the Network and Sharing Center window (Start -> Control Panel -> Network and Sharing Center), and type in relevant keywords in the Search box.

## Connecting to a Network

After you have configured your computer, you can connect to an active network by performing the following steps:

- 1** Click on the WLAN icon in the system tray.
- 2** Select “Connect to a network”.
- 3** Select a network from the list that appears, and click the [Connect] button.

## **Connection to the network**

After you have configured your computer, you can connect to an active network by clicking on the Wireless Network icon in the system tray:

# Troubleshooting the WLAN

## Troubleshooting Table

Causes and countermeasures for troubles you may encounter while using your wireless LAN are described in the following table.

Problem	Possible Cause	Possible Solution
Unavailable network connection	Incorrect network name (SSID) or network key	<p><b>Ad hoc connection:</b> verify that the network names (SSID's) and network keys (WEP) of all computers to be connected have been configured correctly. SSID's and WEP key values must be identical on each machine.</p> <p><b>Access Point (Infrastructure) connection:</b> set the network name (SSID) and network key to the same values as those of the access point.</p> <p>Set the Network Authentication value identically to that of the Access Point. Please consult your network administrator for this value, if necessary.</p>
	Weak received signal strength and/or link quality	<p>Ad hoc connection: Retry connection after shortening the distance to the destination computer or removing any obstacles for better sight.</p> <p>Access Point (Infrastructure) connection: Retry connection after shortening the distance to the access point or removing any obstacles for better sight.</p>



<b>Problem</b>	<b>Possible Cause</b>	<b>Possible Solution</b>
Unavailable network connection  (continued)	The WLAN device has been deactivated or disabled	Check if the wireless key is turned ON. Also verify "Disable Radio" is not checked in "Network setting" window.
	The computer to be connected is turned off	Check if the computer to be connected is turned ON.
	RF interference from Access Points or other wireless networks	The use of identical or overlapping RF channels can cause interference with the operation of the WLAN device. Change the channel of your Access Point to a channel that does not overlap with the interfering device.
	Wireless network authentication has failed	Re-check your Network Authentication, Encryption, and Security settings. Incorrectly configured security settings such as an incorrectly typed WEP key, a misconfigured LEAP username, or an incorrectly chosen authentication method will cause the LAN device to associate but not authenticate to the wireless network.
	Incorrectly configured network settings	Recheck the configuration of your network settings.
	Incorrect IP address configuration	This only applies to networks using static IP addresses. Please contact your network administrator for the correct settings.

# WLAN Specifications

Item	Specification
Type of network	The integrated Wireless LAN (802.11 b/g), Wi Fi based*.
Transfer rate	(Automatic switching) 54 Mbps maximum data rate
Active frequency	<ul style="list-style-type: none"> <li>• 802.11b/g: 2400~2473 MHz</li> </ul>
Number of channels	<ul style="list-style-type: none"> <li>• 802.11b/g: 11 channels, 3 non-overlapping channels</li> </ul>
Typical operating distances**	<ul style="list-style-type: none"> <li>• 802.11b: 100 ft. (30 m) @ 11 Mbps; 300 ft. (91 m) @ 1 Mbps</li> <li>• 802.11g: 100 ft. (30 m) @ 54 Mbps; 300 ft. (91 m) @ 1 Mbps</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Encryption Types - WEP, TKIP, AES***, WPA 1.0, WPA2,CCX compliant Encryption Key lengths Supported: 64 bits and 128 bits 802.1x/EAP</li> </ul>
Maximum recommended number of computers to be connected over wireless LAN (during ad hoc connection)	10 units or less ****

\*

“Wi-Fi based” indicates that the interconnectivity test of the organization which guarantees the interconnectivity of wireless LAN (Wi-Fi Alliance) has been passed.

\*\*

The communication ranges shown above will increase or decrease depending on factors such as number of walls, reflective material, or interference from external RF sources.

\*\*\*

Encryption with network key (WEP) is performed using the above number of bits, however, users can set 40 bits/104 bits after subtracting the fixed length of 24 bits.

\*\*\*\*

Depending on practical environments, the allowable number of computers to be connected may be decreased.

## Using the Bluetooth Device

The Integrated Bluetooth module (QBTM400) is an optional device available for Fujitsu mobile computers.

### What is Bluetooth?

Bluetooth technology is designed as a short-range wireless link between mobile devices, such as laptop computers, phones, printers, and cameras. Bluetooth technology is used to create Personal Area Networks (PANs) between devices in short-range of each other.



THE WIRELESS LAN/BLUETOOTH ON/OFF Key WILL POWER OFF BOTH THE OPTIONAL WIRELESS LAN AND BLUETOOTH DEVICES AT THE SAME TIME. TO ENABLE OR DISABLE EITHER ONE OF THE DEVICES INDIVIDUALLY, PERFORM THE FOLLOWING STEPS:

- 1 Press 'Fn and 'F2 key on the keyboard.
- 2 Go to Start > **All Programs** > **Bluetooth**.
- 3 Click on **Options** under the Bluetooth menu and click on the **Bluetooth Radio Power** button.
- 4 Click [OK].

### Where to Find Information About Bluetooth

The Bluetooth module contains a robust Help user's guide to assist you in learning about operation of the Bluetooth device.

To access the Help file, click [Start] > All Programs, and click on Bluetooth, then select User's Guide.

For additional information about Bluetooth Technology, visit the Bluetooth Web site at: [www.bluetooth.com](http://www.bluetooth.com).

## **FCC Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The Bluetooth antenna is located on the front edge of the right palm rest and is exempt from minimum distance criteria due to its low power.

The transmitters in this device must not be co-located or operated in conjunction with any other antenna or transmitter.

## **Canadian Notice**

To prevent radio interference to the licensed service, 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.

## **Warranty**

Users are not authorized to modify this product. Any modifications invalidate the warranty.

This equipment may not be modified, altered, or changed in any way without signed written permission from Fujitsu. Unauthorized modification will void the equipment authorization from the FCC and Industry Canada and the warranty.