



TI-Navigator™ Installation Guide

*Write the System ID number here.
The number is printed inside the case for the CD.*

Important Information

Texas Instruments makes no warranty, either express or implied, including but not limited to any implied warranties of merchantability and fitness for a particular purpose, regarding any programs or book materials and makes such materials available solely on an "as-is" basis. In no event shall Texas Instruments be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of the purchase or use of these materials, and the sole and exclusive liability of Texas Instruments, regardless of the form of action, shall not exceed the purchase price of this product. Moreover, Texas Instruments shall not be liable for any claim of any kind whatsoever against the use of these materials by any other party.

Copyright © 2006 Texas Instruments Incorporated.

Microsoft®, Windows®, Apple®, Macintosh®, Belkin®, and ZoneAlarm® are trademarks of their owners.

Regulatory Information

USA FCC Information Concerning Radio Frequency Interference



Product Name: TI-Navigator™

FCC ID: POTCX6601B

Model Number/Name: Wireless Hub



Product Name: AP-201

FCC ID: POTAP-201

Model Number/Name: Access Point



Product Name: AP-201A

FCC ID: POTAP-201A

Model Number/Name: Access Point

Federal Communication Commission 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 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- 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.

This device complies with Part 15 of the FCC Rules. 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 undesired operation.

FCC Caution: Any changes or modifications not expressly approved by Texas Instruments could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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

IMPORTANT NOTE:

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

We declare that CX6601B (FCC ID: POT CX6601B) and the AP-201A (FCC ID: POTAP-201A) are limited in CH1~CH11 by specified firmware controlled in U.S.A.

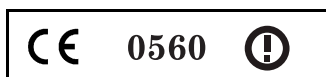
Europe — EU Declaration of Conformity

Complies with the provisions of the EMC Directive 89/336/EEC according to the following standards as applicable to the particular component:

- EN 55022 Class B, "Limits and methods of measurement of radio interference characteristics of information technology equipment"
- EN 61000-6-1, "Generic standards — Immunity for residential, commercial, and light-industrial environments"
- EN 60590 "Safety of Information Technology Equipment"

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC with essential test suites as per standards:

- ETS EN 300 328-2 Technical requirements for radio equipment.
- ETS EN 301 489-1/-17 General EMC requirements for radio equipment.



Restrictions

France

Outdoor use limited to 10 mW e.i.r.p. within the band 2454 - 2483.5 MHz.

Italy

If used outside of own premises, general authorization is required.

Canada — Industry Canada (IC)

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.

Exposure to Radio Frequency Radiation

The radiated output power of the wireless LAN radio cards provided are certified by the radio card manufacturers to be below the FCC radio frequency exposure limits. Nevertheless, the equipment should be used in such a manner that the potential for human contact during normal operation is minimized.

Contents

Overview	1
Hardware type.....	2
System requirements.....	2
Minimum system requirements.....	2
Other requirements	3
Recommended items.....	3
Unpacking the boxes.....	3
Classroom kit	4
Student kit (up to 16 students)	5
Individual kit.....	5
Assembling and charging the network hubs.....	6
Removing the network connectors.....	7
Checking the LEDs.....	8
Before you begin.....	8
Installing	9
Setting up your TI-Navigator™ network the first time	12
Before you begin.....	12
Hardware type and Ethernet adapter type	13
Connecting the cables to the access point	13
Starting the wizard	14
Identifying your hardware and selecting a channel	15
Identifying the network connection.....	17
Configuring an Ethernet port	18
Configuring a USB port.....	20
Setting up your classroom network	25
Activating the access point.....	26
Activating Type 2 network hubs	27
Activating Type 1 network hubs	31
Registering your TI-Navigator™ system	36
Installing the calculator operating system.....	39
Connecting the calculators to the hubs	41
Installing software Apps on the calculators	43
Required	43
Optional.....	44
Technical information	45
Wireless access point.....	45
Wireless network information	45
Access point LEDs	46
Battery information for wireless network hubs.....	46
Storing the hubs.....	46
Removing the battery pack	46
Hub LEDs.....	47
Network adapter settings.....	48

Troubleshooting.....	49
Lost connections	49
Calculator device not responding.....	49
Messages	50
Resetting the Type 2 access point.....	56
Resetting the Type 1 access point.....	56
Texas Instruments Support and Service	55
For general information	55
For TI-Navigator™ technical questions	55
For product (hardware) service.....	55
Battery Precautions for Calculators	56
Battery Precautions for Rechargeable Battery Packs.....	57
Storage.....	57
Texas Instruments (TI) Warranty Information	58
Customers in the U.S. and Canada Only.....	58
Australia & New Zealand Customers only.....	58
All Other Customers	59
TI LearningCheck 3.x License Agreement.....	72

Overview

The TI-Navigator™ classroom learning system from Texas Instruments can help you:

- Assess student understanding.
- Verify that students are on task.
- Use classroom results to engage students.
- Get immediate feedback from your students to promote student achievement.

The system is composed of two parts, hardware and software. The hardware creates a wireless communications network so that your computer can communicate with your students' TI graphing calculators. The software contains a number of tools to enhance your classroom, including:

- **Activity Center.** Lets you run interactive activities with your classes involving lists, graphs, points, and equations.
- **Quick Poll.** Lets you send polls to your students, receive the students' responses to the polls, and review the poll results with your students.
- **Screen Capture.** Lets you capture your students' calculator screens.
- **Class Analysis.** Lets you create, distribute, and analyze educational content.
- **LearningCheck™ Creator.** Lets you create quizzes and self-assessment opportunities.
- **App and OS Transfer.** Lets you transfer TI Graphing Calculator Operating System (OS) and Applications (Apps) to students' calculators.
- **Transfer tools.** Multiple tools that let you send, collect, and delete data files on your students' calculators.

You can obtain educational content on the Web at TI's Activities Exchange (education.ti.com/activities.) Or, using the tools on the product CD, you can create your own:

- StudyCard™ stacks
- CellSheet™ application variables
- TI NoteFolio™ Creator text files that you transfer to TI calculators
- TImeSpan™ Creator timelines of chronological events that can be viewed on a TI calculator

- Data sets (lists, matrices, and so on)

There are several ways to learn to set up and use the TI-Navigator™ system:

- The *Getting Started* poster—a short version of the setup process with fewer details.
- The *Installation Guide* (this book, provided in both printed and PDF formats)—complete setup details, troubleshooting, and technical information.
- Online Help—After you install the TI-Navigator™ software on your computer, you can access Online Help from the Help menu.
- The *TI-Navigator™ Guidebook*, a printed version of the help.

The process of unpacking the equipment, setting up the hardware, and installing the software will probably require about two hours of your time.

Hardware type

This *Installation Guide* is provided primarily for customers who have purchased the entire TI-Navigator™ system, including the TI-Navigator™ software and the Type 2 hardware.

However, if you already own a TI-Navigator™ 1.0 or 1.1 system, you can use your current **Type 1** hardware with the TI-Navigator™ 2.0 or later software. Some of the setup procedures are different if you are using Type 1 hardware; these differences are included in the section “Setting up your TI-Navigator™ network the first time.”

Note: You cannot mix Type 1 and Type 2 hardware on the same TI-Navigator™ network.

System requirements

Minimum system requirements

- Windows® XP Professional with Service Pack 1 or Service Pack 2 installed or Windows 2000 with Service Pack 4 installed
- 900 MHz Pentium-compatible CPU (1.2 GHz recommended)
- Video adapter set at 1024 x 768 screen resolution
- 256 MB RAM
- Approximately 350 MB of available hard-disk space (to install TI Connect™, TI-Navigator™, Network Manager, Class Analysis, and LearningCheck™ Creator)
- CD-ROM drive

- Available Ethernet or USB port on the computer
- Internet Explorer version 5.5 or higher (installed and operational)

Other requirements

- The TI-Navigator™ system communicates with specific TI graphing calculators (TI-73 Explorer, TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus, or TI-84 Plus Silver Edition). Your school or your students may already own these. Calculators are not included with the TI-Navigator™ system.
- The latest operating system (included on the CD and available at education.ti.com/latest) must be installed on each graphing calculator used with the TI-Navigator™ system. For TI-73 Explorer, use version 1.90 or higher, TI-83 Plus calculators, use OS version 1.19 or higher. For TI-84 Plus calculators, use OS version 2.41 or higher.

Recommended items

- Cradles for the TI-73 Explorer, TI-83 Plus and TI-83 Plus Silver Edition calculators (sold separately)
- TI ViewScreen™ panel to project the image of your calculator's screen using your overhead projector (requires a ViewScreen™ calculator)
- TI Presenter™ video adapter to connect your ViewScreen™ calculator to a TV or projector
- A digital multimedia projector to project the image of your computer's screen onto a large screen for classroom viewing

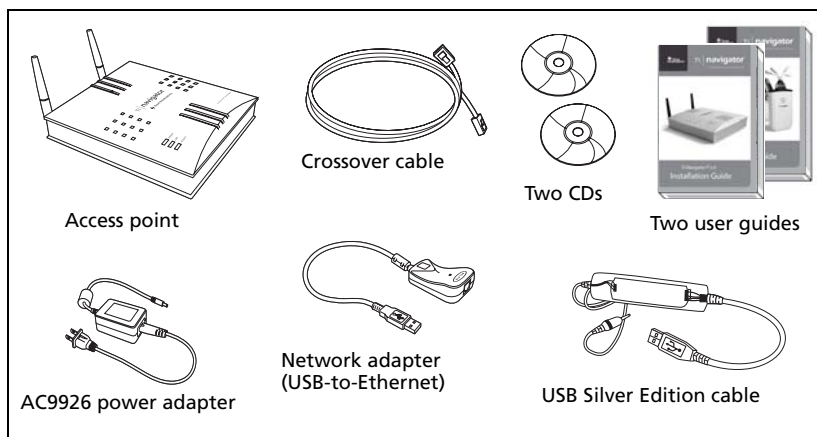
Unpacking the boxes

The TI-Navigator™ product consists of one classroom kit and a combination of student kits and individual kits, depending on your specific order. Each kit is packaged separately. If necessary, you can purchase additional kits to accommodate as many as 40 students.

1. Determine which kits you have received.
2. Unpack the items from the packing materials.
3. Identify each item, and check the items against the following lists to make sure your order is complete.

Classroom kit

- 1 access point with AC9926 power adapter
- 1 black Ethernet crossover cable (RJ-45 Category 5)
- 1 Belkin® network adapter (also known as USB-to-Ethernet adapter)
- 2 CDs, one containing system and application software, and one containing educational activities
- 1 USB Silver Edition cable
- This *Installation Guide*, the *TI-Navigator™ Reference Guide*, and other printed materials



Classroom kit

The Standard-A to Mini-B USB cable and the black and gray TI-GRAPH LINK™ cables and do not work with the TI-Navigator™ system.

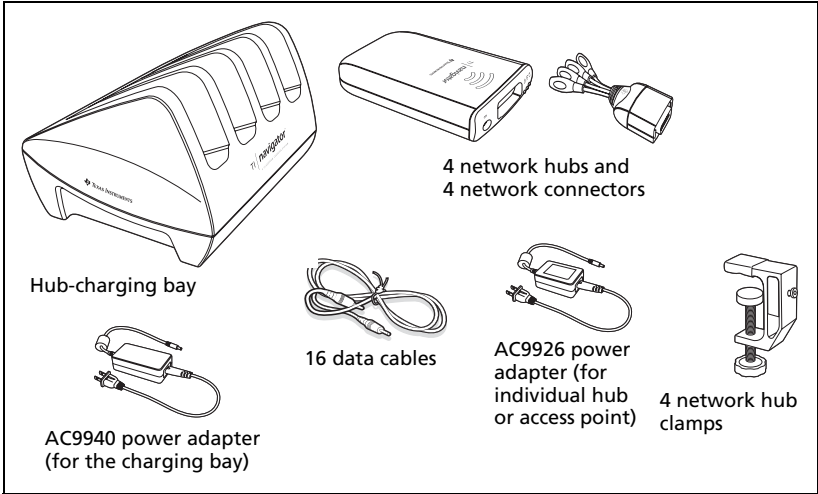
The USB-to-Ethernet adapter and USB Silver Edition cable each require a USB port.

- The USB-to-Ethernet adapter is not needed if the teacher's computer already has an available Ethernet port.
- The USB Silver Edition cable is used to connect a calculator to the teacher's computer.

Note: Connecting a calculator to the teacher's computer with the USB Silver Edition cable adds the calculator to the network without the need for a network hub. When a teacher uses the calculator to login using her teacher account, she can send and receive Quick Polls, send files to the class, or use the Activity Center, all without using the computer. See the *TI-Navigator™ Reference Guide* or Help for more information.

Student kit (up to 16 students)

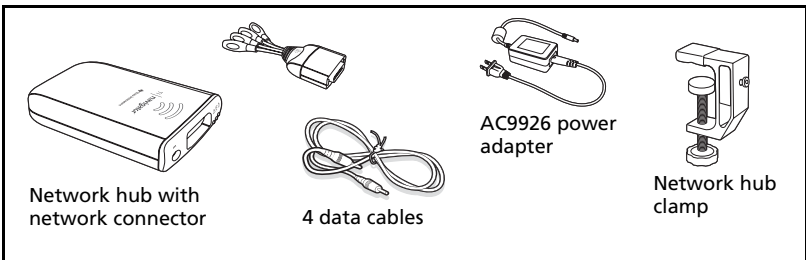
- 1 charging bay with AC9940 power adapter
- 4 network hubs
- 4 network connectors
- 4 clamps (to attach hubs to student work surfaces)
- 16 data cables (to connect the calculators to the network connectors)



Student kit

Individual kit

- 1 network hub with AC9926 power adapter
- 1 network connector
- 1 clamp
- 4 data cables (to connect the calculators to the network connectors)




Individual kit

Assembling and charging the network hubs

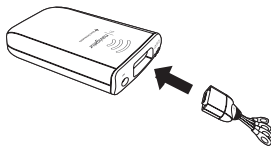
The network hubs contain rechargeable batteries. Hub batteries are already charged when shipped, but you should charge them overnight before using them in your class. When the hubs are fully charged, they will function all day under continuous use. You should recharge them each night.

The network charging bay can hold from one to four hubs. After you place the hubs in the charging bay, they are charged simultaneously until all are fully charged. If the batteries are fully discharged, it may take up to 12 hours to fully charge the batteries.

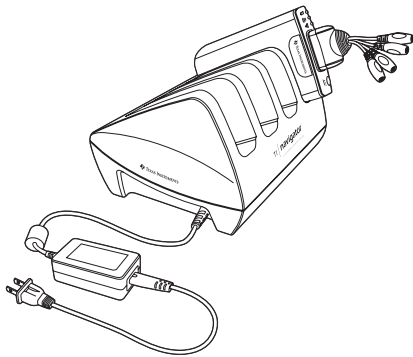
With four network hubs in the charging bay, you should charge them for 12 hours. Typically this is done overnight or over a weekend. When the hubs are fully charged in the bay, the  LED shows solid green.

Note: You cannot damage the batteries by leaving them in the charging bay beyond the time needed to fully charge them. Also, it is not necessary to fully discharge the batteries before recharging them.


1. Make sure you have enough (3–4) power outlets for the equipment you received. If necessary, obtain a plug strip so that you have plenty of grounded outlets.
2. Insert the small end of the AC9940 power adapter cord into the charging bay's power jack.
3. Plug the other end of the adapter into a power outlet.
4. Attach a network connector to each hub. Press firmly to make a good connection.



5. Insert each hub into the charging bay. You can insert them only one way.



Note: If you purchased the individual kit and do not have a charging bay, you can charge a single hub using the AC9926 power adapter instead.

The network connector acts as an on-off switch for the network hub. It must be connected for the hub to function on the network, but you can charge a hub with or without a network connector attached. If you remove a hub from the charging bay with no network connector attached, the hub's power-status  LED goes off until you attach a connector.

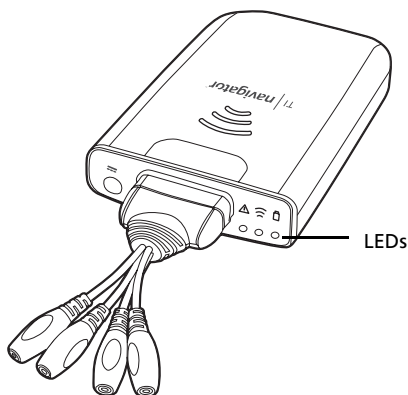
Removing the network connectors




When the hubs are out of the charging bay using battery power but are not in use, we recommend removing the network connectors from the hubs to extend battery life.

- ▶ To remove a network connector from a hub, use your thumb and forefinger to squeeze the two buttons on the sides of the connector, and then pull it away from the hub.



Checking the LEDs

Three LEDs (small lights) at the top of each hub blink or change colors to indicate various operations or status.



The  LED indicates whether the hub is configured. The  LED indicates network activity. The  LED indicates battery-charging status.

When the network hubs are still in the charging bay:

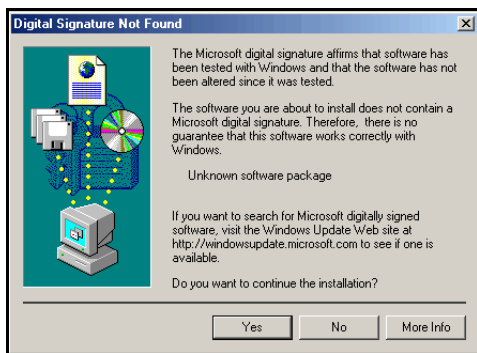
- The  LED blinking in a green-amber-red sequence means the hubs are currently recharging.
- A solid green  LED means the hub is fully charged.

A complete list of LED operations and status modes is available, along with complete information about the network hubs' rechargeable batteries and how to store the hubs. (See "Technical information" on page 45.)

Before you begin

To install software on your computer, you must have administrator privileges when you log in to Windows®. If you don't know whether or not you have administrator privileges, check with your school's help desk or system administrator.

If you see a Digital Signature Not Found message (or a similar message) while installing, click **Yes** to continue. The message does not mean there is a problem.

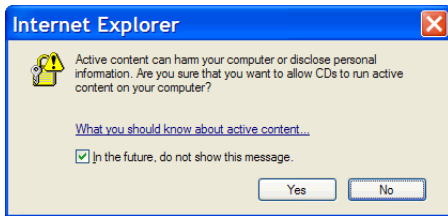


Installing

1. Insert the TI-Navigator™ CD in your computer's CD-ROM drive. The window to the CD should open automatically.



Note: If your computer is running Windows XP Service Pack 2, you may see the following message. If so, click **Yes** to continue.



Note: If the setup program does not run, click **Start > Run**, and then type `D:\Autorun.exe`, where D is your CD-ROM drive, and click **OK**.

2. Click **TI-Navigator Software**, and then click **Install TI-Navigator™**. The TI-Navigator™ Setup dialog displays.
3. Click **OK** to continue.



4. Five separate installations will occur:
 - TI Connect
 - TI-Navigator™ software
 - Class Analysis
 - LearningCheck™ Creator
 - Network Manager software

Note: If version 1.3 or earlier of TI Connect is already installed on your computer, the installation program will uninstall it, and install TI Connect 1.6. If earlier versions of other TI-Navigator™ components are already installed, the installation program will uninstall it and install the current version.

When the TI Connect install is complete, you will be prompted to enter the system ID to install the remaining TI-Navigator™ components.

5. Find the system ID in the case with the CD.

TI-Navigator™ System ID
48z6-co2j-cyms-qol2x

(sample)

6. When asked, enter the system ID so you can proceed with the installation.

Note: Enter the system ID exactly as shown. Be careful not to enter a zero for the letter O or a letter O for a zero.

7. When the installation is complete, the TI-Navigator™ Setup dialog displays the status of installed components.



You are now ready to set up your network.

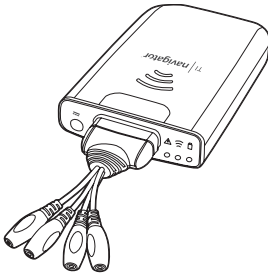
Note: If you are using Windows® XP Service Pack 2 and have the built-in firewall activated, you may have to specify TI-Navigator™ and other TI applications as exceptions that you want to allow to communicate with the TI-Navigator™ network. For more information on how to allow exceptions for specific applications using the built-in firewall, see your Windows Help.

Setting up your TI-Navigator™ network the first time

A Network Setup wizard helps you connect the TI-Navigator™ parts in the correct order, activate the access point and hubs for wireless communication, and register the TI-Navigator™ product.

Before you begin

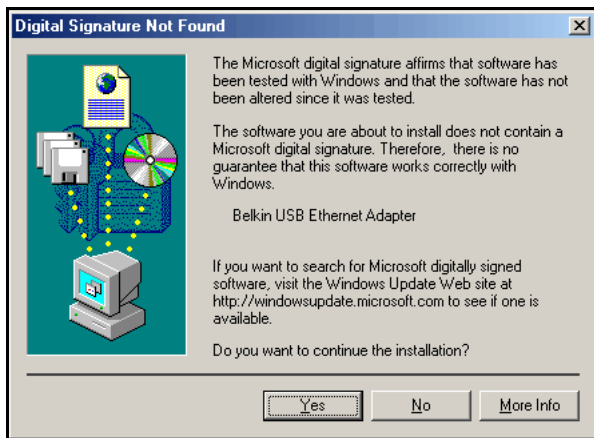
1. Make sure you have installed the TI-Navigator™ software on your computer.
2. Make sure the access point is *not yet* plugged in to a power outlet. If you are using the USB-to-Ethernet adapter, make sure it is *not yet* connected to the computer's USB port.
3. Make sure each hub is fully charged (LED is solid green).
4. Remove the hubs from the charging bay. Each hub must have a network connector attached.



The LED changes from solid green to blinking green when you remove a hub from the charging bay.

5. Have a ball-point pen or paper clip handy; you'll need it to reset the hubs.

Note: If you see a Digital Signature Not Found message while setting up your network, click **Yes** to continue. The message does not mean there is a problem.



Hardware type and Ethernet adapter type

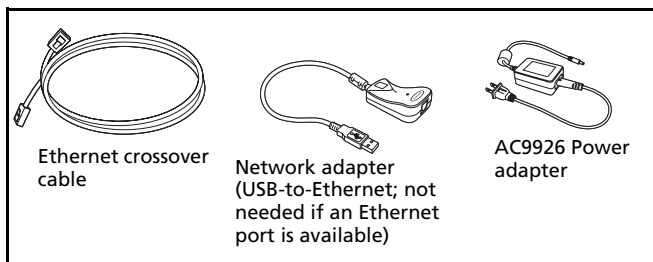
If you already own a TI-Navigator™ 1.0 or 1.1 system, you can use your current **Type 1** hardware with the TI-Navigator™ 2.0 or later software. If you purchased the complete TI-Navigator™ 2.0 or later system, you will set up the **Type 2** hardware with the TI-Navigator™ 2.0 or later software. Some of the setup procedures are different depending on which hardware you are using.

Another consideration is the network port on your computer.

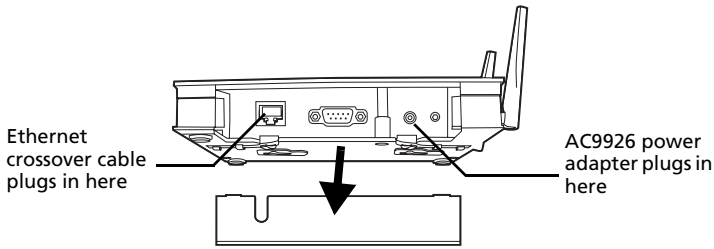
- If you have an available Ethernet port on your computer, you should use it to connect to the TI-Navigator™ access point.
- If you do not have an available Ethernet port on your computer, you must use the USB-to-Ethernet adapter to connect to the TI-Navigator™ access point.

Connecting the cables to the access point

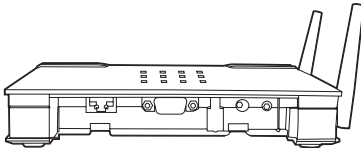
1. Identify the cables.



2. Remove the side plate from the access point.



3. Connect the AC9926 power adapter to the power jack on the access point, but **don't plug the power adapter into a power outlet yet.**
4. Connect the Ethernet crossover cable to the access point.



If your classroom computer has an available Ethernet port, you will use it to connect to the access point. If not, you will use the network adapter (USB-to-Ethernet).

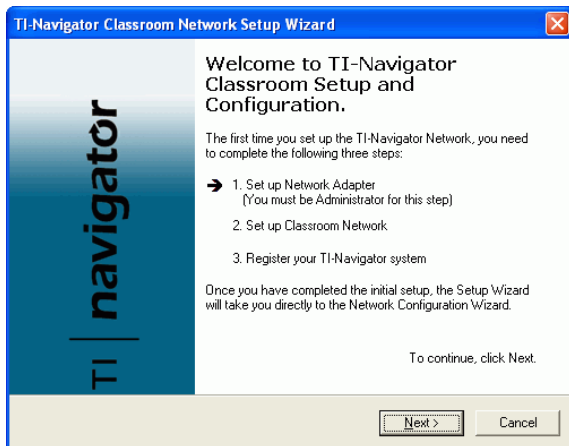
Starting the wizard

A First Time Setup screen opens automatically when you complete the installation of the TI-Navigator™ software. You are immediately prompted to run the network setup wizard.

Note: If you want to run the Setup Wizard later, you will click **Start > Programs > TI Tools > TI Network Manager**. When Network Manager opens, or click **Actions > Setup Wizard** from the TI-Navigator™ menu.



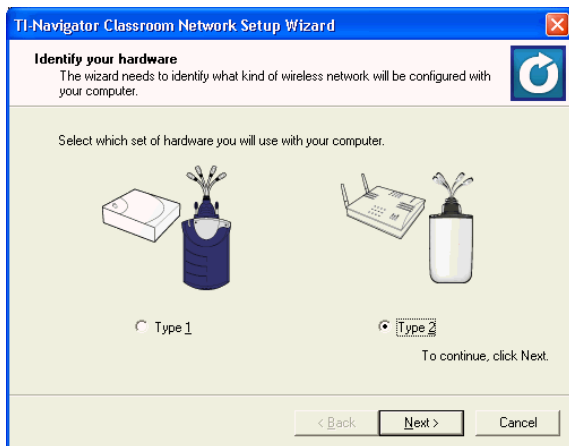
1. Click **OK** to start the wizard. (You can run the wizard later by clicking **Start > Programs > TI Tools > TI Network Manager**. When Network Manager opens, click **Actions > Setup Wizard**.)



The wizard lists the three major steps involved in setting up your classroom network.

2. Click **Next** to proceed with the wizard.

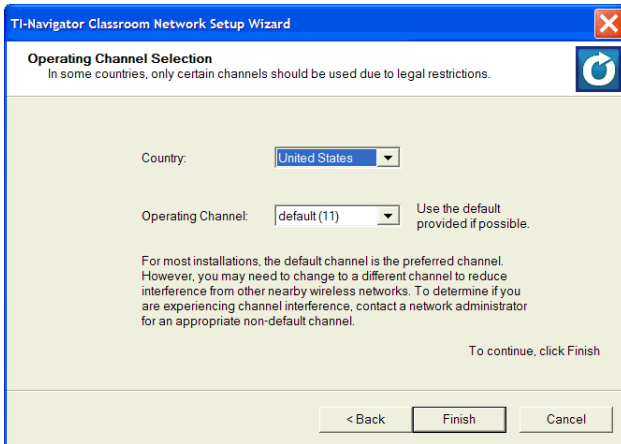
Identifying your hardware and selecting a channel



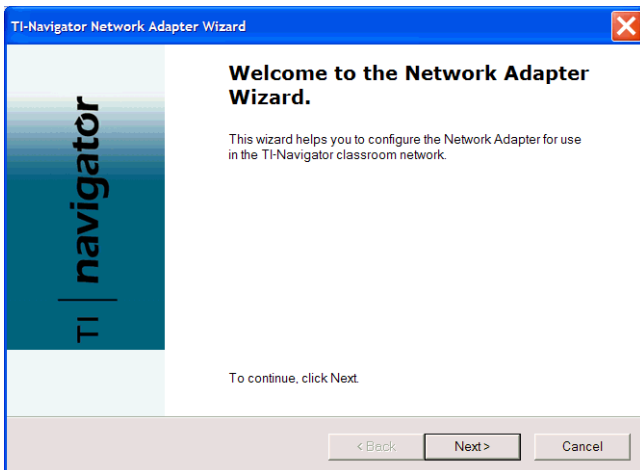
1. Choose the hardware type you are using:
 - If you are using hardware from a TI-Navigator™ 1.x system, click **Type 1**.

- If you are using hardware from a TI-Navigator™ 2.0 or later system, click **Type 2**.

2. Click **Next** to proceed with the wizard.



3. If you are in a country other than the United States, choose your country.
4. Notice the operating channel. Normally you should use the default channel. If it is necessary to change to a different channel (to avoid interference and improve reception), you can do it later.
5. Click **Finish** to proceed with the Network Adapter Wizard.

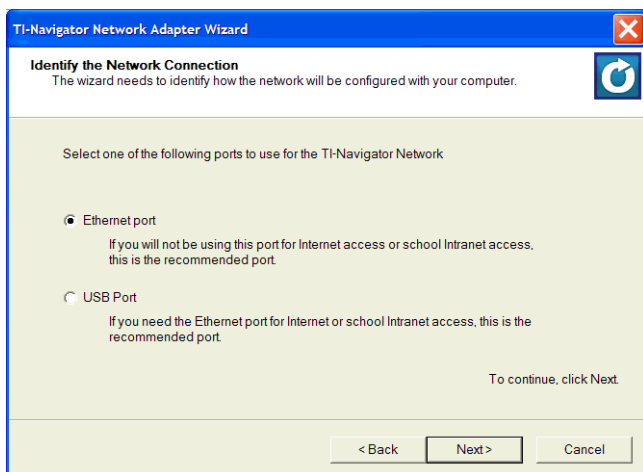


It is important to follow the instructions on each screen of the Network Adapter wizard. **To avoid setup problems, set up your network in the exact sequence described in the wizard.**

The wizard tells you when to plug the access point's power adapter into a power outlet, and when to connect the Ethernet crossover cable or the USB-to-Ethernet adapter to the computer.

6. Click **Next** to proceed.

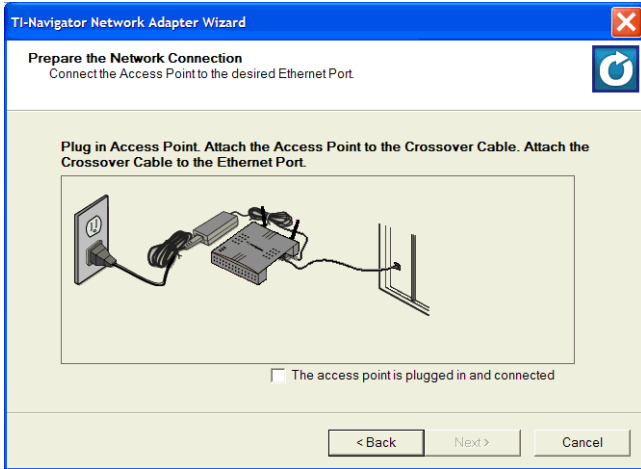
Identifying the network connection



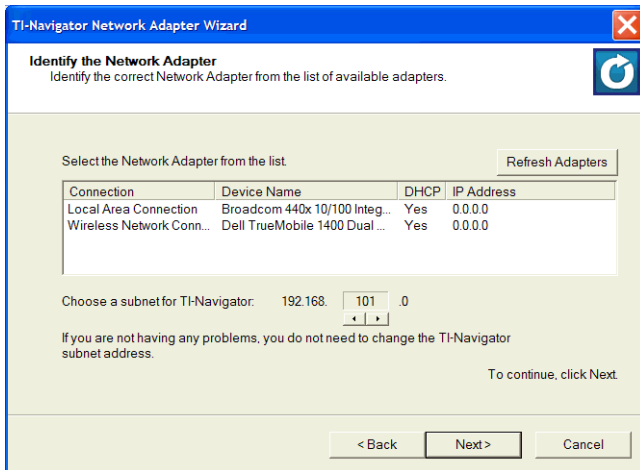
1. Select the network port on your computer that you plan to use for your TI-Navigator™ network.
 - If you have an available (unused) Ethernet port on your computer, click **Ethernet port**.
 - If you do not have an available Ethernet port on your computer, click **USB port** to use the USB-to-Ethernet adapter.
2. Click **Next** to proceed.
3. If you selected **USB port**, skip to the section “Configuring a USB port” on page 20.

Configuring an Ethernet port

Use these instructions only if you are connecting directly to an Ethernet port.



1. Following the instructions on the screen, insert the black Ethernet crossover cable into the Ethernet port on the computer to connect the access point.
2. Confirm that the AC9926 adapter is connected to the access point.
3. Now plug the AC adapter into a power outlet.
4. Select the option that says **The access point is plugged in and connected**, and then click **Next**.



5. If you have more than one network adapter on your computer (for example, one for a local area Ethernet connection and one for a wireless network), select the adapter whose Ethernet port you plan to use for TI-Navigator™.
6. (Optional, Advanced) If you want to specify a subnet number for this network adapter, click an arrow button until the number you want is displayed.
7. Click **Next** to proceed.



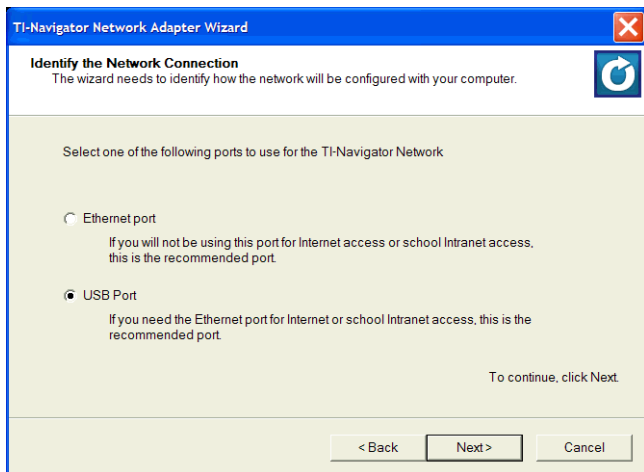
You have completed configuring the Ethernet port.

8. Click **Finish**.

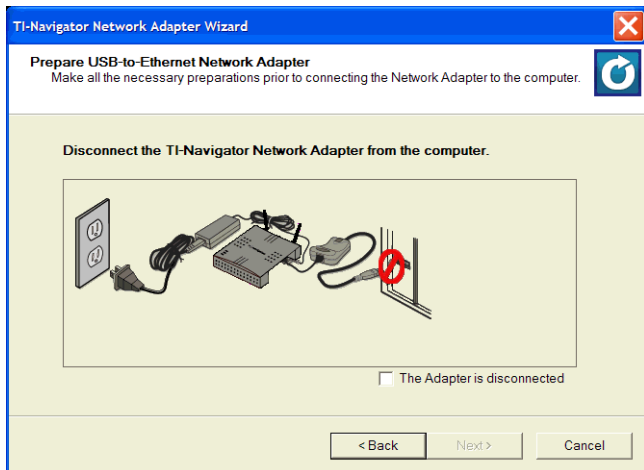
9. Skip to the section “Setting up your classroom network” on page 25.

Configuring a USB port

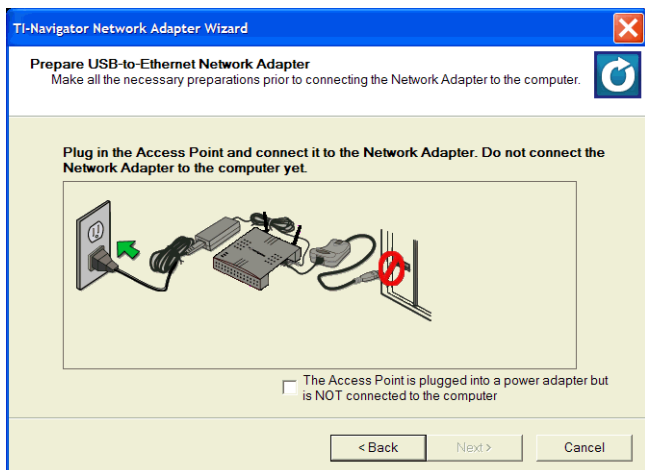
Use these instructions only if you are connecting to a USB port.



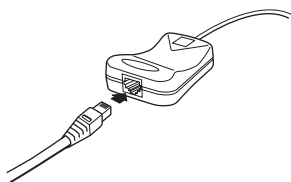
1. If you have not already done so, click **USB port** and then click **Next**.



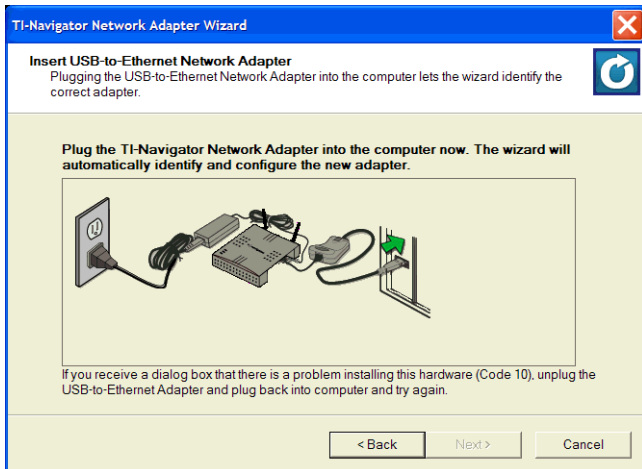
2. Following the instructions on the screen, make sure the USB-to-Ethernet adapter is disconnected from your computer.
3. Click **The Adapter is disconnected** and then click **Next**.



4. Confirm that the AC9926 power adapter is connected to the access point.
5. Now plug the AC adapter into a power outlet.
6. Insert the black Ethernet crossover cable into the Ethernet jack on the USB-to-Ethernet adapter. Don't connect the adapter to the computer yet.



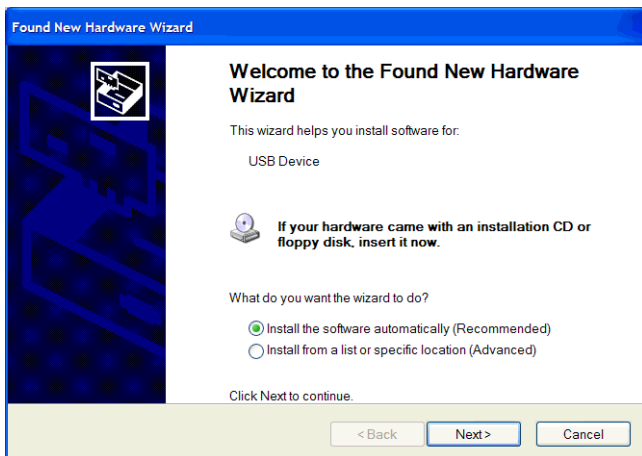
7. Confirm that the crossover cable connects the access point and the USB-to-Ethernet adapter.
8. Select the options to confirm that you have completed all connections except that the USB adapter is not connected to the computer, and then click **Next**.



9. Now plug the USB-to-Ethernet adapter into the computer.

Note: The first time you connect the USB-to-Ethernet adapter to your computer's USB port, you may see an error message regarding a "Code 10" error. After you click **OK** to dismiss the error message, a large Troubleshooting window opens. Close the Troubleshooting window, disconnect the adapter from the USB port, and then reconnect the adapter to the port. You can then use the wizard to complete the setup.

Your computer recognizes the new hardware component, and Windows launches a new wizard.

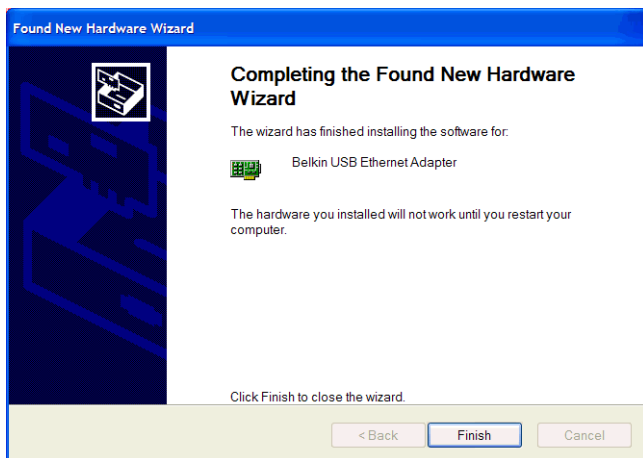



10. Make sure your TI-Navigator™ installation CD is in the CD-ROM drive, select **Install the software automatically**, and click **Next**.

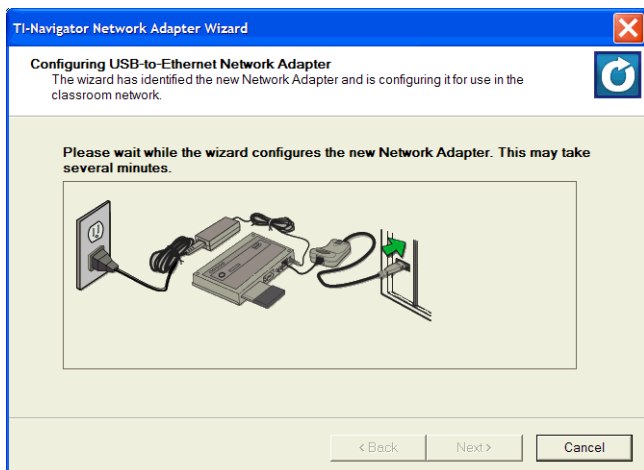
When Windows finds the software driver needed for the USB-to-Ethernet adapter on the CD, it is installed.

Note: If you see any messages that the software is not compatible with Windows, click **Continue Anyway**. This does not mean there is a problem.

When the driver installation is complete, the following screen appears.

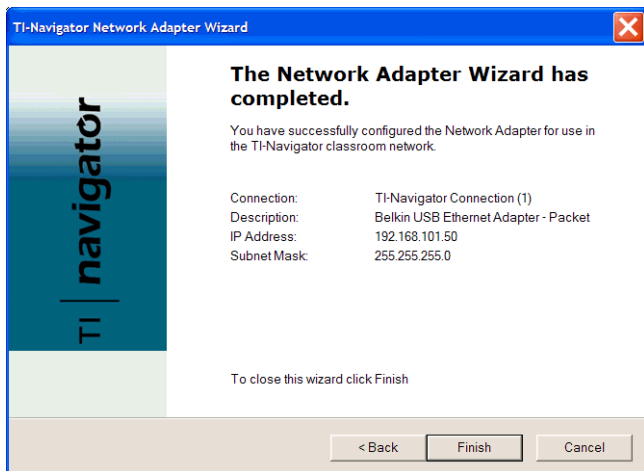


11. Click **Finish**, and then click **Start > Shut Down > Restart**, and click **OK** to restart your computer.
12. After your computer has restarted, double-click the TI-Navigator™ shortcut  on your Windows® desktop.
The TI-Navigator™ home screen opens.
13. Click **Tools > Network Manager**.
14. Click **Actions > Configure Network Adapter**.



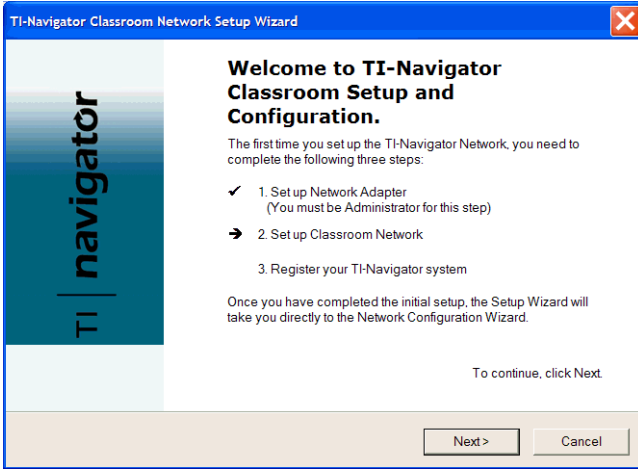
The Network Adapter Wizard takes a few minutes to configure the USB-to-Ethernet adapter.

15. Click **Next** to proceed.



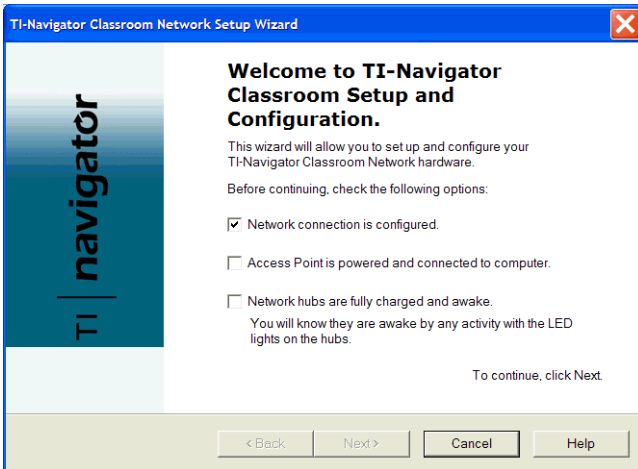
16. Click **Finish**.

Setting up your classroom network

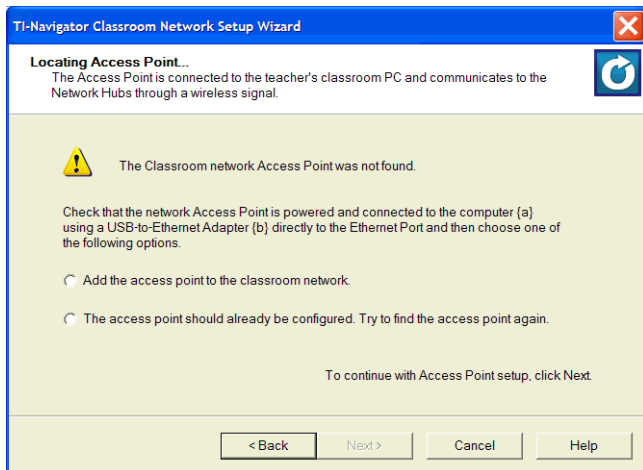


Now that you have completed setting up your network adapter, you will set up the hardware components of your classroom network: the access point and hubs.

1. Click **Next**.



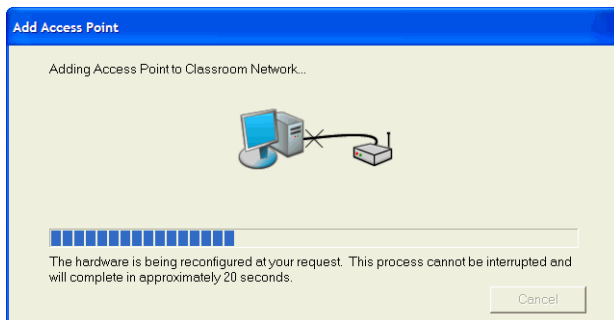
2. Make sure that all of your hardware components are connected. Review the checklist on the screen and select each option to verify that all requirements are complete.
3. When you are ready, click **Next**.



The screen tells you that the access point has not yet been added to your network.

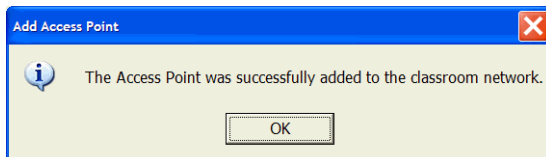
Activating the access point

1. Click **Add the access point to the classroom network**, and then click **Next**.



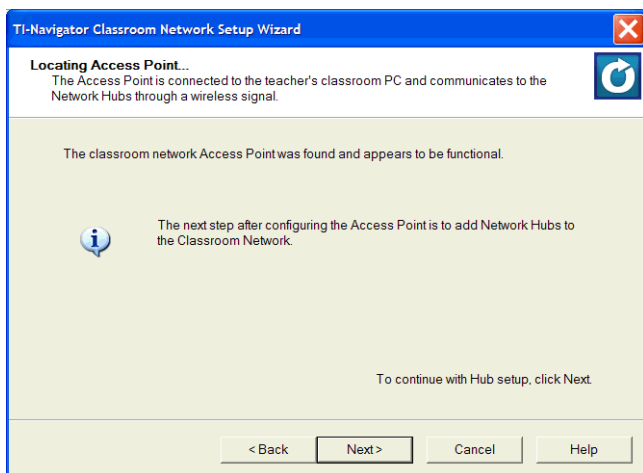
Network Manager sends signals to the access point to add it to the network.

After the access point is found, the wizard displays a message.



2. Click **OK**.

The next step is to add the network hubs to your classroom network.



3. If you selected **Type 1 hubs**, skip to the section “Activating Type 1 network hubs” on page 31

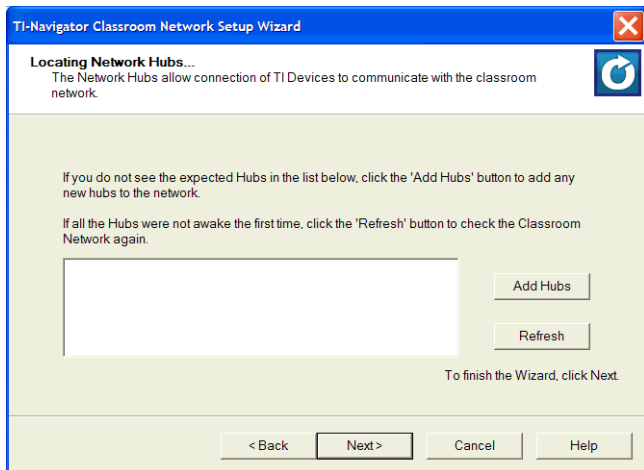
Activating Type 2 network hubs


Use these instructions only if you selected **Type 2** while identifying your hardware.

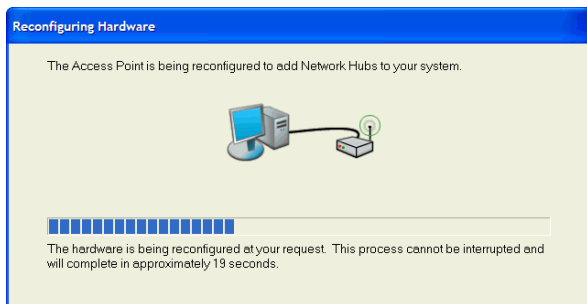
With the Network Setup wizard running, you must reset each hub and wait for the software to recognize each hub on the network.

TI-Navigator™ is designed to communicate with a maximum of 11 hubs per access point; more than 11 hubs are not supported.

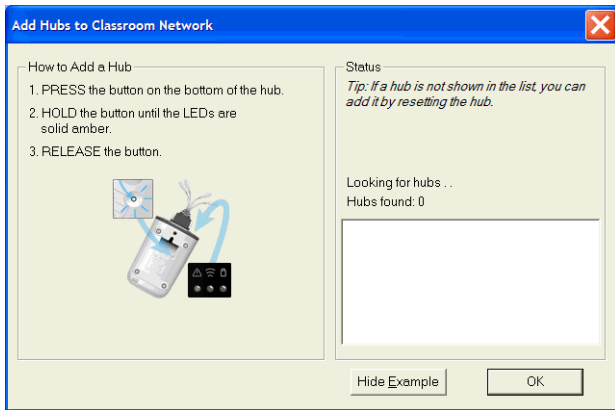
1. Before you begin, count the number of network hubs in your classroom so that you will know when all of them have been associated with the access point.
2. Click **Next** to begin activating the network hubs.



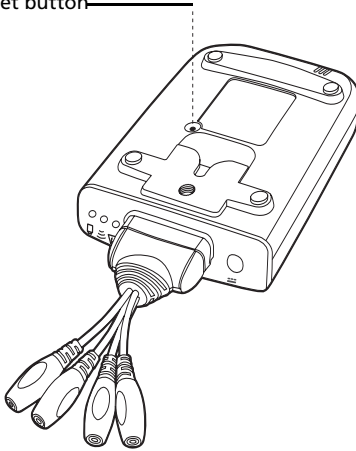
3. Make sure the hubs are charged (that is, the  LED is green and blinking).
4. Click **Add Hubs**, and wait.



5. When the next screen appears, follow the directions on the screen.

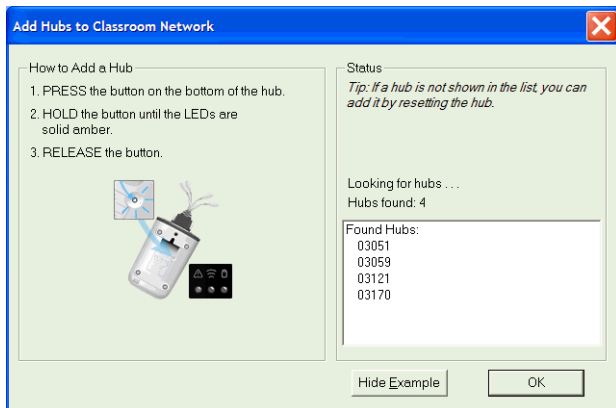


Reset button



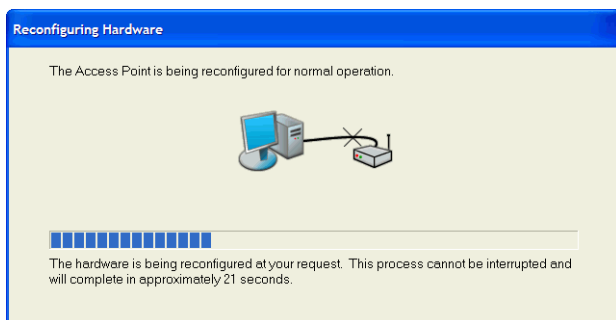
Network hub, bottom view

6. Use a ball point pen to press the reset button on the back of the hub. Hold the button in until the LEDs are solid amber, then release the button. This resets the hub to its factory default settings. Repeat for each hub in the classroom.



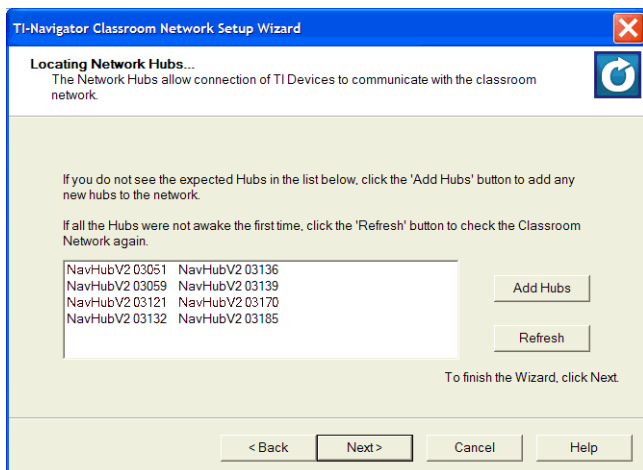
A serial number is printed on the back of each network hub. The last five digits of the serial number of each hub is displayed on the screen as the access point recognizes and associates with each hub.

7. Compare the number of hubs that are found with the total number of hubs in your classroom. (For example, you know you have 10 hubs in your classroom, but only 8 were found.)
8. If some of the hubs were not found, match the serial numbers on the screen with the hubs in the classroom to identify which hubs were found. Use a sticker or some other method to mark the hubs that were found, and then press the reset button again on the hubs that were not found.
9. When all the hubs have been found (total number of hubs matches what you have in your classroom), click **OK**.

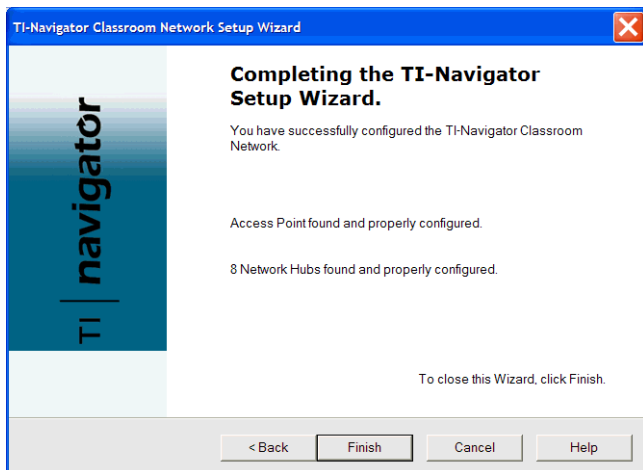


Another screen indicates that the access point is being reconfigured to communicate with the hubs.

10. When the next screen appears, look at the list of hub numbers.



If some of the hub numbers are still missing, follow the directions on the screen. When all of the hubs have been found, click **Next**.



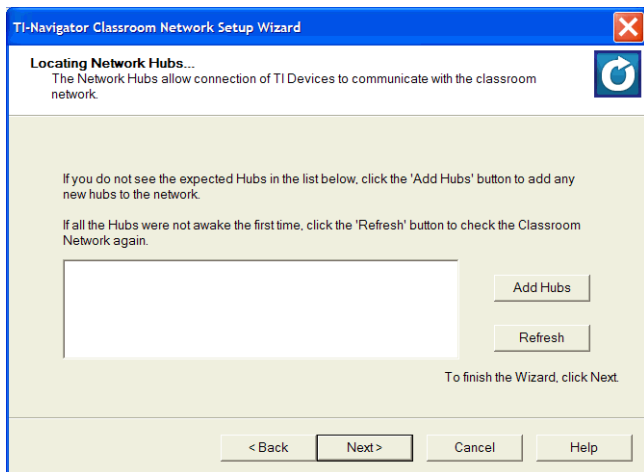
11. When the process is complete, click **Finish**.
12. Skip ahead to “Registering your TI-Navigator™ system” on page 36.

Activating Type 1 network hubs

Use these instructions only if you selected **Type 1** while identifying your hardware.

With the Network Setup wizard running, you must reset each hub and wait for the software to recognize each hub on the network. TI-Navigator™ is designed to communicate with a maximum of 11 hubs per access point; more than 11 hubs are not supported.

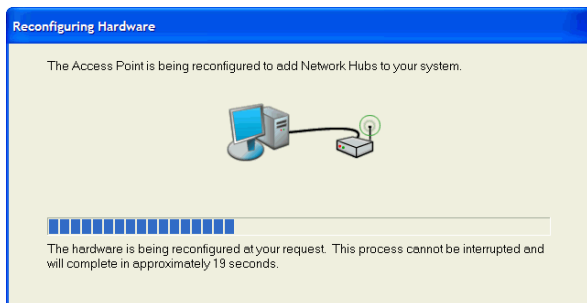
1. Before you begin, count the number of network hubs in your classroom so that you will know when all of them have been associated with the access point.
2. Click **Next** to begin activating the network hubs.



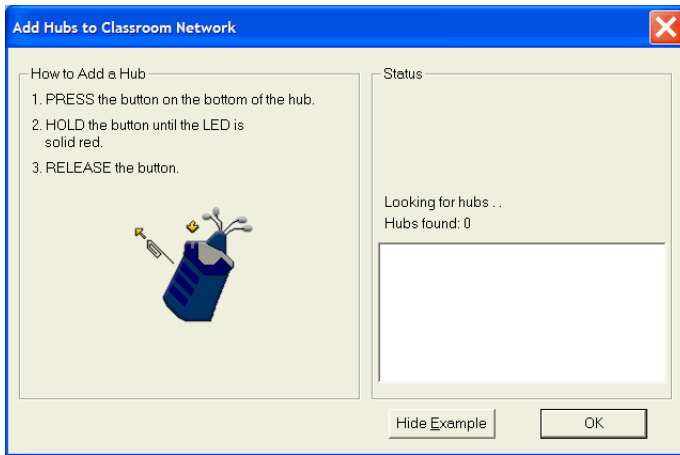
3. Make sure the hubs are charged and awake (that is, the LED is green and blinking).

If a hub is asleep (LED is off), remove the network connector and then re-attach it to wake it up.

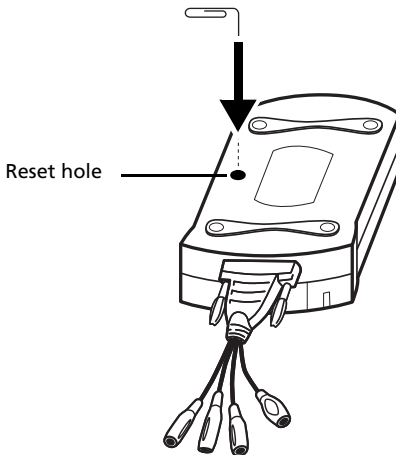
4. Click **Add Hubs**, and wait.



5. When the next screen appears, follow the directions on the screen.



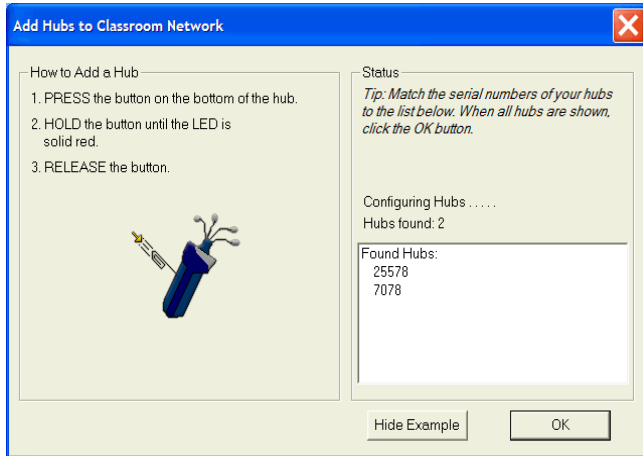
6. With the network connector already attached to the end of the network hub, insert the end of a paper clip through the small hole on the bottom of the hub and gently press and hold the reset button inside the unit.



Network hub, bottom view

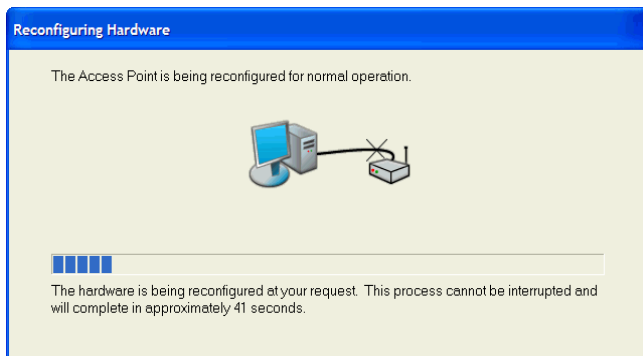
7. Hold the reset button until the power status LED shows solid red. This may take up to 10 seconds.
8. When you see the solid red light, remove the paper clip.
9. Repeat steps 6 through 8 for all network hubs, and wait.

As each network hub is found and identified, the Setup Wizard displays a number for it. The number corresponds to the last few digits of the serial number stamped on the back of the hub.

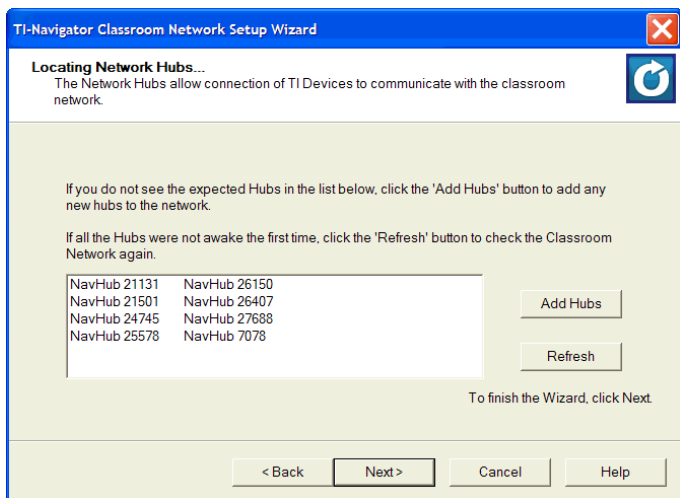


10. When all the hubs have been found (total number of hubs matches what you have in your classroom), click **OK**.

The Setup Wizard displays various messages as it reconfigures the access point.



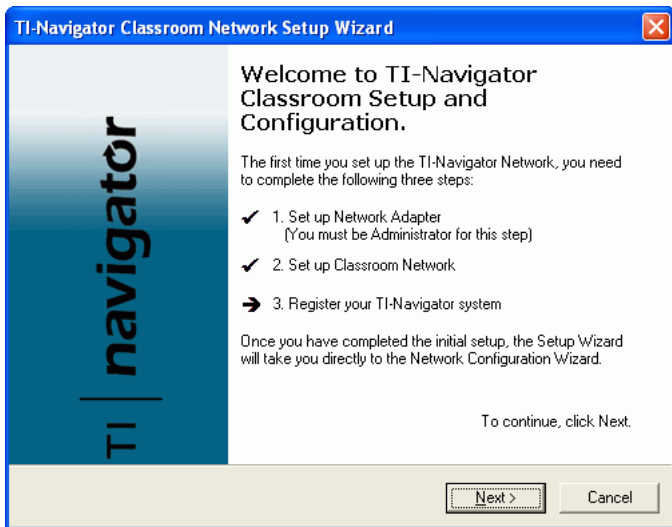
When all of the hubs are found, the Setup Wizard notifies you.



11. Make sure that each of your hubs is listed. If necessary, you can check the hub number (last few digits of the serial number) on the back of each unit to make sure it is listed in the dialog box. Then click **Next**.



12. Click **Finish** to return to the Network Setup wizard.



Registering your TI-Navigator™ system

The Network Setup wizard lets you register your TI-Navigator™ system. You can also register anytime by clicking **Help > Register** in Network Manager.

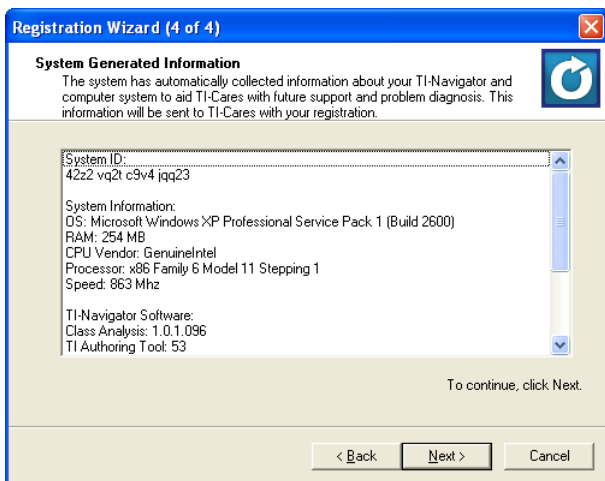
When you register, you send Texas Instruments the information needed by technical support personnel to solve any problems you may have with your specific network configuration. After you have entered all the information, you will have the option to register online via the Internet, by e-mail, or by printing and then mailing or faxing the printed form to Texas Instruments.

1. Click **Next**.



2. Click **Next**.
3. Follow the instructions on the screen and enter all of the required information. Providing accurate user profile information and checking the **May we contact you?** box will help us serve our customers better and improve TI-Navigator™ in the future.
4. After you fill out each page, click **Next** to proceed.

Some of the information is generated by your own computer to create System Generated Information.



5. Click **Next** to proceed.



6. If you have entered all of the information for registration, click a button to:
- Send the information over the Internet, if your computer has Internet access.
 - Save the information and send it by e-mail, as an attachment, if you are not currently online.
 - Print the information so that you can mail or fax it.

Texas Instruments
TI-Navigator Registration
P.O. Box 650311, M/S 3962
Dallas, TX 75265

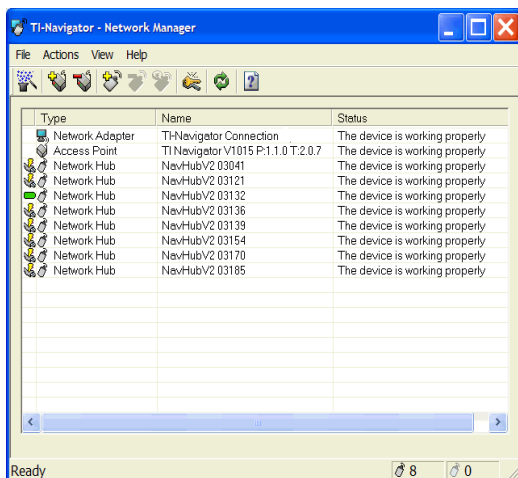
Fax: (866) 842-6664

If you were not able to complete all of the information, you can click **Later** to postpone the registration until you are able to enter all of the information. Any information you entered previously is saved. Later, when you are ready to register, open Network Manager and click **Help > Register**.

Note: If your classroom computer doesn't have Internet access or a printer, just call (866) TI-NAVIGATOR / (866) 846-2844 and register over the telephone.

7. Click **Finish** to complete the Network Setup wizard.

The wizard closes, and Network Manager opens, showing the list of TI-Navigator™ network components.



The quantity of hubs listed should match the quantity of hubs you added to the network.

Installing the calculator operating system

Before you can use the calculators on the network, you must use the TI Connect™ software to update the operating system on each calculator. All calculators on the network must have the latest operating system installed for the TI-Navigator™ system to work properly. For TI-73 Explorer, use OS version 1.90 or higher, TI-83 Plus calculators, use OS version 1.19 or higher. For TI-84 Plus calculators, use OS version 2.41 or higher.

Note: TI-73 users can update the OS on all calculators at once, using the App and OS Transfer tool. Refer to the *Guide to TI-Navigator™ with the TI-Explorer*.

An operating system may take ten minutes per calculator to transfer and install.

1. Connect the calculator to your computer using the USB Silver Edition cable.
2. Insert the installation CD in your computer's CD-ROM drive. The window should open automatically.



3. Click the **Calculator Software** button. The Calculator Software screen appears.



4. Under **Required OS**, click the version number of the model of calculator to which you are installing.
5. Use TI Connect™ to install the operating system on the calculator.
 - a) Locate the operating system file on the CD.
 - b) Right-click the operating system file.
 - c) Click **Send to TI device**. TI Connect™'s Select TI Device dialog box opens.
 - d) Follow the instructions on the screen. An operating system may take ten minutes per calculator to transfer and install.
6. Install the operating system on every calculator to be used with your TI-Navigator™ system.

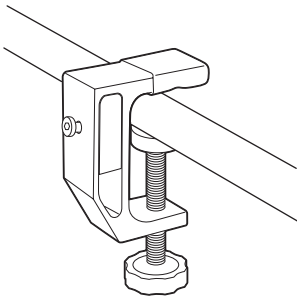
Warning: Do not disconnect the cable at any time while updating an operating system or installing Apps to a calculator.

Note: Consider keeping one or two spare calculators with the latest operating system and ample memory. It is also a good idea to have spare cradles and data cables on hand. If a problem occurs, you can substitute a spare part.

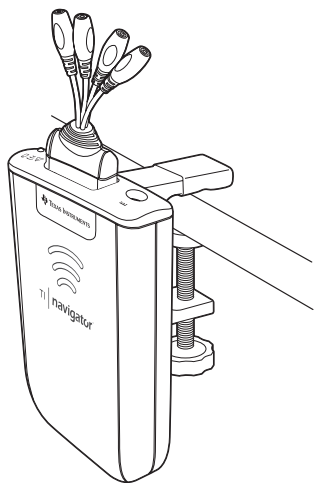
Connecting the calculators to the hubs

After charging the hubs and resetting them so they are recognized by Network Manager, you are ready to connect the hubs to the calculators. Using the clamps is optional; however, they save space, reduce clutter, and prevent the hubs from being accidentally knocked off your work surface.

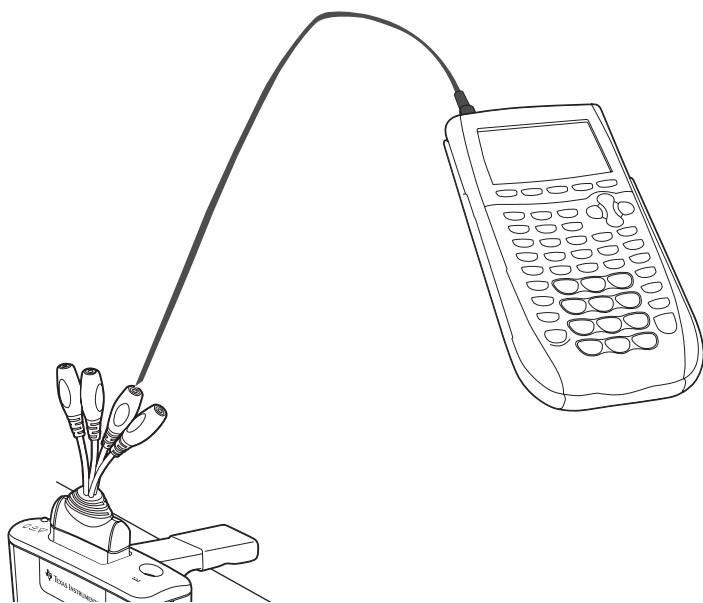
1. Attach one clamp for each hub to the edge of a work surface. Tighten the thumbwheel.



2. Attach a hub to each clamp.




3. Plug as many as four TI graphing calculators into the four jacks on the network connector at the top of each network hub. Insert the plug carefully; do not bend the plug.



4. Connect the graphing calculator with a data cable.

Note: Connecting a calculator to the teacher's computer with the USB Silver Edition cable adds the calculator to the network without the need for a network hub. When a teacher uses the calculator to login using her teacher account, she can send and receive QuickPolls, send files to the class, or use the Activity Center, all without using the computer. See the *TI-Navigator™ Reference Guide* or Help for more information.

At the end of the school day, return the hubs to the charging bay and charge them overnight. The hubs are fully charged when all the  (power status) LEDs are solid green.

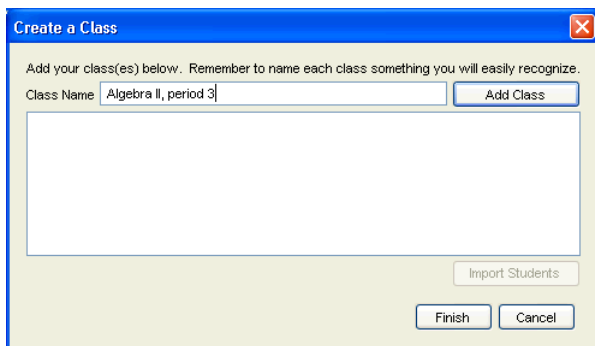
Installing software Apps on the calculators

Required

Four required Apps must be installed on all the calculators on the network. These Apps are named NavNet (used to connect to the TI-Navigator™ system), Θ AlGACT, Θ navstk, and LearnChk (used to view activities on the calculator). TI-73 Explorer users require an additional App, Θ MSact, which is used to run the Visual Fractions and NumberLine Activities. Use the App Transfer utility to install the Apps.

1. Click **Start > Programs > TI Tools > TI-Navigator > TI-Navigator™**.

The TI-Navigator™ home screen appears. If you have not used the software before, the Create a Class dialog box opens, and you are asked if you want to set up your classroom.



If you prefer, you can click **Cancel** to skip to step 3 and create your classes later.

2. To create classes, follow these steps.
 - a) Click in the Class Name box and type a name for your class.
 - b) Click **Add Class**.
 - c) Repeat until you have created all the classes you want.

- d) If you want to import a list of students into a class, click to select the class name in the list, and then click **Import Students**.

or

- e) Click **Finish**. You can then enter the names of the students manually into each class.

Note: Refer to the *TI-Navigator™ Reference Guide* or the TI-Navigator™ Help for details on using the TI-Navigator™ software.

3. On the TI-Navigator™ home screen, click the **Tools** tab.
4. On the Tools panel, under Utilities, double-click the **App Transfer** icon, and then click **Start Transfer**.

The four Apps are automatically sent out to all the calculators connected to the network.

Optional

Additional software Apps for TI calculators (TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus, or TI-84 Plus Silver Edition) are included on the product CD.

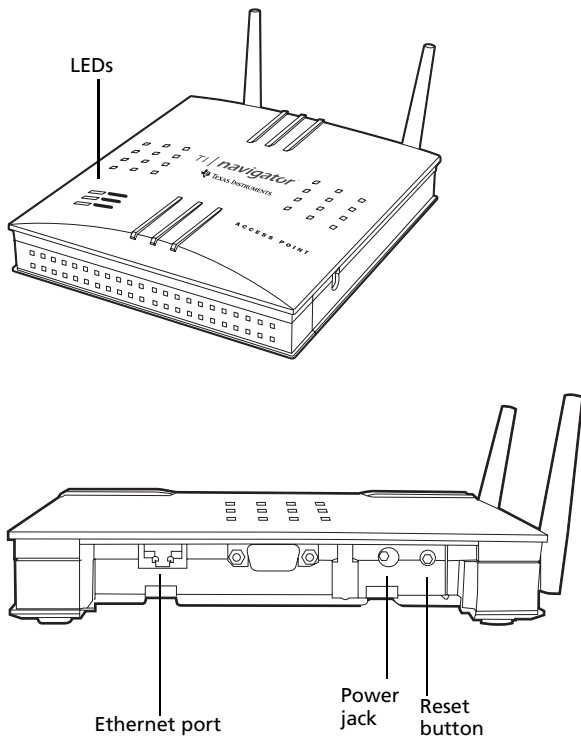
- StudyCards™ Viewer
- CellSheet™ Converter App
- NoteFolio™ App
- TlmeSpan™ Viewer App

You can install these items to all the calculators on the network using the App Transfer utility in the TI-Navigator™ software, or you can install them to a single calculator using the USB Silver Edition cable and TI Connect™ software.

Technical information

Note: If you are using Type 1 equipment, refer to the guidebook included with your TI-Navigator™ 1.x system for technical information.

Wireless access point



Wireless network information

The TI-Navigator™ classroom learning system includes a wireless local-area network based on the IEEE 802.11b industry standard, also known as Wi-Fi (wireless fidelity). This networking standard provides high-speed data transfer in the license-free 2.4 GHz band. The TI-Navigator™ system has been tested to perform at a range of 70 feet.

If possible, avoid sources of potential interference, such as metal walls, microwave ovens, and wireless phones.

Note: You cannot mix Type 1 and Type 2 hardware on the same TI-Navigator™ network.

Access point LEDs

POWER – Indicates that the access point is receiving power from the power adapter.

LINK – Indicates the Ethernet connection is working.

ACTIVITY – Indicates data transfer.

Battery information for wireless network hubs

- You cannot damage the batteries by leaving them in the charging bay beyond the time needed to fully charge them. Also, you will not damage the hubs by inserting or removing them from the charging bay at any time.
- It is not necessary to unplug the power adapter from the charging bay, even when no hubs are present.
- To charge as many as four network hubs at a time, use the charging bay. If you only need to charge one hub, you can connect the AC9926 power adapter directly from the hub to a power outlet.
- It is not necessary to fully discharge the batteries before recharging them.
- Do not leave the hubs in an extremely cold or extremely warm location, such as inside an automobile in hot weather.
- Every few weeks, you should clean the electrical contacts on the charging bay and the hubs using a clean, dry cloth.

Storing the hubs

If you need to store the wireless network hubs for more than two weeks:

- Remove the network connector from each hub. This is important to preserving battery life, because the network connector acts as an “on-off” switch for the hub.
- Store the hubs in a cool, dry place.
- Fully charge the hubs at least once every 10-12 months.

Removing the battery pack

If you need to store the wireless network hubs for more than two months, remove the battery pack from the hub.

1. Disconnect the clamp, network connector, and power adapter from the hub.

2. Insert a coin at the bottom end of the hub and twist to remove the front section of the case.
3. Insert your forefinger to remove the battery pack, and then reassemble the outer case.

Under normal use, the rechargeable battery pack will last 2-3 years. If you must replace the battery pack, use only the 3.6L43BPA battery from Texas Instruments.

Hub LEDs

The LEDs on each network hub use various colors and blink patterns to indicate overall status, data activity, or power status. This can occur either when the hubs are seated in the charging bay or when they are outside the charging bay.

When a hub powers up (because you have either inserted it into the charging bay or connected a network connector), all the LEDs emit solid amber, and then each LED, one at a time, emits solid green. When the power-up sequence is complete, the LEDs indicate status as follows.

Status LED

Color and pattern	Meaning
Off	Normal
Blinking amber	Hub is not configured

Activity LED

Color and pattern	Meaning
Blinking green	Indicates data transfer to and from the access point.
Blinking amber	Not associated with the access point.

Battery (Power Status) LED

Color and pattern	Meaning
Changing from green to amber to red	The battery is charging.
Solid green	Power on; fully charged and powered by a charging bay or power adapter.
Blinking green	Power on; battery powered. The battery is 30% to 99% charged.
Blinking amber	Low battery (lower than 30% charged).
Blinking red	Battery is critically low (lower than 8% charged).

Network adapter settings

The network adapter should be configured with the following TCP/IP settings:

- IP Address: 192.168.101.50
- Subnet Mask: 255.255.255.0

Troubleshooting

This section provides troubleshooting information related to the TI-Navigator™ hardware and the Network Manager software. For information about the TI-Navigator™ software, see the *TI-Navigator™ Reference Guide* or TI-Navigator™ Help.

Lost connections

Certain actions, such as disconnecting the USB-to-Ethernet adapter from the computer's USB port or resetting the access point, can cause the TI-Navigator™ network to lose its connection to one or more hubs. This can occur even when Network Manager reports that the hubs are responding.

If you attempt to transfer data to or from calculators, and some of the hubs do not respond (even though they are listed as "found"), try one of the following remedies:

- Disconnect the network connector from the offending hub, and then re-connect it. Make sure the data cable from the calculator is properly connected to the network connector.

-or-

- Use a ball point pen (Type 2 hubs) or a paper clip (Type 1 hubs) to reboot the hub.

To reboot a Type 2 hub, hold the reset button for 2–3 seconds and release it while the LEDs are still blinking. This reboots the hub but does not reset the hub to its factory defaults, which happens when you hold the reset button until the LEDs emit solid amber. Rebooting a Type 2 hub allows it to be reassociated with the access point. Resetting the hub to its factory defaults will remove the hub entirely from the network.

Warning: Do not disconnect the USB-to-Ethernet adapter from your computer's USB port while TI-Navigator™ is open.

Calculator device not responding

If you save an assignment from LearningCheck™ Creator with a title that has 65 or more characters, and one or more of the first 65 characters is a special character (such as a division symbol), the assignment could cause TI-73 Explorer, TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus, and TI-84 Plus Silver Edition calculators to stop responding. To prevent this problem, avoid creating assignments with long titles and special characters. Try to use titles that contain only letters of the alphabet, numerals, and spaces.

Messages

Problem or message	Possible solutions
<p>Device not found</p>	<ul style="list-style-type: none"> • Make sure the network adapter is plugged into the computer. • Make sure the data cable from the calculator is properly connected to the network connector. • Ensure that the access point is connected and its power adapter is plugged in. • Confirm that the network adapter is connected to the access point using the supplied crossover cable, not a standard Category 5 Ethernet cable. • Right-click My Computer on the Windows® Desktop, and click Properties. Under the General tab, make sure your computer lists Windows® XP Professional with Service Pack 1 or Service Pack 2 installed or Windows® 2000 with Service Pack 4 installed • Click Start > Control Panel, and double-click Network Connections. If you see a bridged connection, remove it. Note that this may disable another network device. • Run the Network Adapter Wizard. Click Start > Programs > TI Tools > TI-Navigator > Network Manager, and then click Actions > Configure Network Adapter. On the wizard screen titled Identify the Network Adapter, you can change the subnet number.
<p>An error message regarding a "Code 10" error appears</p>	<p>The first time you connect the USB-to-Ethernet adapter to your computer's USB port, you may see this error message. After you click OK to dismiss the error message, a large Troubleshooting window opens. Close the Troubleshooting window, disconnect the adapter from the USB port, and then reconnect the adapter to the port. You can then complete the setup.</p>

Problem or message	Possible causes or solutions
<p>Device is incorrectly configured</p> <p>An access point was located, but one or more configuration parameters are set incorrectly.</p>	<p>Repeat the Add Access Point procedure to reconfigure this device. (See "Setting up your TI-Navigator™ network the first time" on page 12.)</p>
<p>Device did not respond, or Device not found</p> <p>No access point was located by the system. The hubs cannot be configured until this is corrected.</p>	<ul style="list-style-type: none"> • The network adapter was not found. • The access point has not yet been added to the system. • The access point is turned on but still initializing. • Click Start > Control Panel, and double-click Network Connections. If you see a bridged connection, remove it. Note that this may disable another network device. • If you have activated Internet Connection Firewall or Internet Connection Sharing on your system, disable these features.

Problem or message	Possible causes or solutions
<p>Cannot add the access point to the network</p>	<ul style="list-style-type: none"> • The network adapter may be improperly configured. Click Start > Programs > TI Tools > TI-Navigator > Network Manager, and then click Actions > Configure Network Adapter. • Confirm that the network adapter is connected to the access point using the supplied crossover cable, not a standard Category 5 Ethernet cable. • The access point is not in a receptive state. If its configuration has been corrupted, reset the access point to the original settings. You will need to reconfigure the access point and add all the hubs to the network again. (See "Resetting the Type 2 access point" on page 56.) • The software may be blocked by filters. Some firewall and virtual private network software prevent Network Manager from getting access to the ports required for configuration. Have the system administrator verify that other programs or drivers are not blocking access to the network adapter. • If you have activated Internet Connection Firewall or Internet Connection Sharing on your system, disable these features.
<p>Device is incorrectly configured This hub has been located, but one or more configuration parameters are set incorrectly.</p>	<ul style="list-style-type: none"> • Repeat the Add Hubs procedure to reconfigure this hub. (See "Activating Type 2 network hubs" on page 27.) or (See "Activating Type 1 network hubs" on page 31.) • Remove the hub and then add it back into the network.

Problem or message	Possible causes or solutions
<p>The device did not respond</p> <p>The hub was previously added to the classroom network, but was not located at this time.</p>	<ul style="list-style-type: none"> • The network adapter was not found. • The access point was not found. • The hub's network connector is removed. • The hub is too far away from the access point. Try to keep the hubs within 70 feet of the access point. • If you changed the channel, try removing all the hubs and then adding all the hubs back into the network.
<p>The device did not respond, or hub is not listed in the Network Manager window.</p>	<ul style="list-style-type: none"> • Refresh the network status. After checking for the previous conditions, refresh the status screen to see if the hub has been detected. • Make sure the hub's battery is fully charged or verify that the power adapter is connected. • Make sure that the network connector is properly attached to the hub. • Make sure the hub is within range of the access point. • When in the process of adding hubs, be patient. It may take up to 30 seconds after resetting a hub before it is recognized and configured by the software. • You may have to reset the hub a second time. Remember to hold the reset button until the LEDs are solid amber. • Sometimes you must choose a different channel to avoid interference and improve reception. If you changed the channel, try removing all the hubs and then adding all the hubs back into the network. • If more than one network is located in the same area, hubs sometimes associate with the wrong access point. To avoid this, make sure that hubs are added to only one TI-Navigator™ system at a time, and make sure a TI-Navigator™ system in a nearby classroom is not adding hubs at the same time.

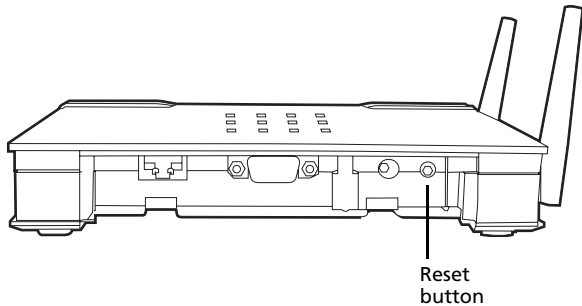
Problem or message	Possible causes or solutions
<p>Communication Error</p> <p>One or more hubs is not communicating with the access point.</p>	<ul style="list-style-type: none"> • To restore communication between the hub and access point, click Actions > Refresh. • If the error message remains, select the hubs that are not working, remove them from the network, and then add them back into the network.
<p>The batteries in the network hubs run down during class time, resulting in dead or low batteries.</p>	<ul style="list-style-type: none"> • Make sure the network hubs are recharged overnight at least every other night. If your system is used heavily during the day, recharge the batteries every night. • Normally, the network hubs' rechargeable batteries can be recharged and used for up to two years (Type 1) or three years (Type 2). If you charge a battery overnight and the LED on the network hub still blinks red or amber, contact Texas Instruments for help. Phone: 1.866.TI.NAVIGATOR (1.866.846.2844) E-mail: ti-navigator@ti.com
<p>Extra hubs appear on the network</p>	<ul style="list-style-type: none"> • Do not attempt to configure more than one classroom network at the same time. • Remove the network connector from hubs that you do not want to add to your network. • Compare the hub numbers listed in the Network Manager window with the numbers stamped on the backs of the hubs themselves. Highlight and remove any hubs in the list that should not be part of your network.
<p>Data is received by some calculators, but not all.</p>	<ul style="list-style-type: none"> • Check the cable connection between the calculators and the network connector. • Make sure all of the calculators have the latest operating system from Texas Instruments installed. • Make sure the calculator's RAM is not completely full. • Make sure an alternate operating system, such as Mirage, is not installed. If found, remove it from the calculator.

Problem or message	Possible causes or solutions
The calculator does not respond in any way, and appears to be "locked up."	<ul style="list-style-type: none"> Reset the calculator. For instructions, refer to the guidebook for the calculator.
A plug bends or breaks when inserted into a jack on the calculator or the network connector.	<ul style="list-style-type: none"> Replace with a spare calculator unit, spare network connector, or spare data cable. Contact Texas Instruments for help. Phone: 1.866.TI.NAVIGATOR (1.866.846.2844) E-mail: ti-navigator@ti.com
You have a conflict on the operating channel used by your TI-Navigator™ access point.	<ul style="list-style-type: none"> A conflict could be caused if another access point or a cordless telephone is using the same channel. To try a different channel, open Network Manager, click Actions > Setup Wizard, click Next, select your hardware type, and click Next. On the Operating Channel Selection screen, in the Operating Channel list, click a different channel number, and click Finish. If the changing the channel doesn't correct the problem, try a different channel.
The computer's firewall is blocking communications.	<ul style="list-style-type: none"> If you have a software firewall on the computer, such as ZoneAlarm® or the built-in firewall included in Windows® XP Service Pack 2, the firewall may be blocking communications between the computer and the TI-Navigator™ network. Try disabling the firewall completely. If the network begins working, the firewall is probably causing the problem. Get help from your system administrator, or contact Texas Instruments for help. Phone: 1.866.TI.NAVIGATOR (1.866.846.2844) E-mail: ti-navigator@ti.com

Resetting the Type 2 access point

You might need to reset the access point to a known state in order to add it to the network.

1. With the power adapter connected, insert the end of a ball-point pen or paper clip through the small hole on the side of the access point labeled **Reset**, and gently press and hold the reset button inside the unit.



2. Hold the reset button until the Activity LED stops blinking and the Link LED goes off.

Resetting the Type 1 access point

You might need to reset the access point to a known state in order to add it to the network.

1. Position the access point so that the front side faces you, with the row of five LEDs in the lower-right corner.
2. Disconnect the Ethernet crossover cable and the power adapter.
3. While pressing in the switch labeled S1, connect the power adapter to the access point.
4. Continue pressing S1 until both the 2nd and 4th LEDs blink simultaneously (approximately 30 seconds).
5. Release S1 and wait until the three rightmost LEDs blink simultaneously (approximately three minutes).
6. Unplug the power adapter from the power jack on the access point.

Texas Instruments Support and Service

For general information

Home Page: education.ti.com

KnowledgeBase and e-mail inquiries: education.ti.com/support

Phone: (800) TI-CARES / (800) 842-2737
For U.S., Canada, Mexico, Puerto Rico, and
Virgin Islands only

International information: education.ti.com/international

For TI-Navigator™ technical questions

E-mail: ti-navigator@ti.com

Phone: (866) TI-NAVIGATOR / (866) 846-2844

For product (hardware) service

Customers in the U.S., Canada, Mexico, Puerto Rico and Virgin Islands: Always contact Texas Instruments Customer Support before returning a product for service.

All other customers: Refer to the leaflet enclosed with this product (hardware) or contact your local Texas Instruments retailer/distributor.

Battery Precautions for Calculators

Take these precautions when replacing batteries.

THERE IS A RISK OF EXPLOSION IF REPLACED BY AN INCORRECT TYPE. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY TEXAS INSTRUMENTS. DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATIONS.

- Do not leave batteries within the reach of children.
- Do not mix new and used batteries. Do not mix brands (or types within brands) of batteries.
- Do not mix rechargeable and non-rechargeable batteries.
- Install batteries according to polarity (+ and -) diagrams.
- Do not place non-rechargeable batteries in a battery recharger.
- Properly dispose of used batteries immediately.
- Do not incinerate or dismantle batteries.

Battery Precautions for Rechargeable Battery Packs

The TI-Navigator™ network hub contains a Lithium Ion battery pack. Adherence to the following instructions and cautions will help you get the most from your battery pack.

Contact TI if you have problems with the battery.

WARNING: THERE IS A RISK OF EXPLOSION IF REPLACED BY AN INCORRECT TYPE. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY TEXAS INSTRUMENTS. DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATIONS. DO NOT RECHARGE, DISASSEMBLE, CRUSH, HEAT ABOVE 140° (60° C), OR INCINERATE.

Always follow the following guidelines:

- Replace only with TI-specified battery pack.
- Use only in TI-Navigator™ network hubs.
- Do not disassemble, puncture, crush, or incinerate batteries.
- Charge batteries only with an approved charger designed for use with your Texas Instruments product.
- Do not place non-rechargeable batteries in a battery recharger.
- Properly dispose of used batteries immediately. Do not leave them within the reach of children.
- Remove batteries for disposal in accordance with your local regulations before disposing of the TI-Navigator™ system.

Storage

- Remove batteries from the calculator.
- Store in controlled climate conditions between 20 degrees C and 35 degrees C.
- Avoid high temperature storage conditions. Do not store under sunlight or in an automobile.
- Recharge after storing if rechargeable.
- Do not leave batteries within reach of children.

Texas Instruments (TI) Warranty Information

Customers in the U.S. and Canada Only

One-Year Limited Warranty for Commercial Electronic Product

This Texas Instruments ("TI") electronic product warranty extends only to the original purchaser and user of the product.

Warranty Duration. This TI electronic product is warranted to the original purchaser for a period of one (1) year from the original purchase date.

Warranty Coverage. This TI electronic product is warranted against defective materials and construction. **THIS WARRANTY IS VOID IF THE PRODUCT HAS BEEN DAMAGED BY ACCIDENT OR UNREASONABLE USE, NEGLIGENCE, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECTS IN MATERIALS OR CONSTRUCTION.**

Warranty Disclaimers. ANY IMPLIED WARRANTIES ARISING OUT OF THIS SALE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE ABOVE ONE-YEAR PERIOD. TEXAS INSTRUMENTS SHALL NOT BE LIABLE FOR LOSS OF USE OF THE PRODUCT OR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE CONSUMER OR ANY OTHER USER.

Some states/provinces do not allow the exclusion or limitation of implied warranties or consequential damages, so the above limitations or exclusions may not apply to you.

Legal Remedies. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

Warranty Performance. During the above one (1) year warranty period, your defective product will be either repaired or replaced with a reconditioned model of an equivalent quality (at TI's option) when the product is returned, postage prepaid, to Texas Instruments Service Facility. The warranty of the repaired or replacement unit will continue for the warranty of the original unit or six (6) months, whichever is longer. Other than the postage requirement, no charge will be made for such repair and/or replacement. TI strongly recommends that you insure the product for value prior to mailing.

Software. Software is licensed, not sold. TI and its licensors do not warrant that the software will be free from errors or meet your specific requirements. **All software is provided "AS IS."**

Copyright. The software and any documentation supplied with this product are protected by copyright.

Australia & New Zealand Customers only

One-Year Limited Warranty for Commercial Electronic Product

This Texas Instruments electronic product warranty extends only to the original purchaser and user of the product.

Warranty Duration. This Texas Instruments electronic product is warranted to the original purchaser for a period of one (1) year from the original purchase date.

Warranty Coverage. This Texas Instruments electronic product is warranted against defective materials and construction. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service, or other causes not arising out of defects in materials or construction.

Warranty Disclaimers. Any implied warranties arising out of this sale, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the above one-year period. Texas Instruments shall not be liable for loss of use of the product or other incidental or consequential costs, expenses, or damages incurred by the consumer or any other user.

Except as expressly provided in the One-Year Limited Warranty for this product, Texas Instruments does not promise that facilities for the repair of this product or parts for the repair of this product will be available.

Some jurisdictions do not allow the exclusion or limitation of implied warranties or consequential damages, so the above limitations or exclusions may not apply to you.

Legal Remedies. This warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction.

Warranty Performance. During the above one (1) year warranty period, your defective product will be either repaired or replaced with a new or reconditioned model of an equivalent quality (at TI's option) when the product is returned to the original point of purchase. The repaired or replacement unit will continue for the warranty of the original unit or six (6) months, whichever is longer. Other than your cost to return the product, no charge will be made for such repair and/or replacement. TI strongly recommends that you insure the product for value if you mail it.

Software. Software is licensed, not sold. TI and its licensors do not warrant that the software will be free from errors or meet your specific requirements. **All software is provided "AS IS."**

Copyright. The software and any documentation supplied with this product are protected by copyright.

All Other Customers

For information about the length and terms of the warranty, refer to your package and/or to the warranty statement enclosed with this product, or contact your local Texas Instruments retailer/distributor.

TI-Navigator™ 3.x License Agreement

The programs referenced in the TI-Navigator™ 3.x License Agreement are licensed under the terms contained in such Agreement. Additional licenses and files follow the TI-Navigator™ 3.x License Agreement.

IMPORTANT - Read this agreement ("Agreement") carefully before installing the software program(s) contained on the CD(s). The software program(s) and materials accompanying this package are licensed, not sold. Additional licenses apply and are follow this license. By installing or otherwise using the software program(s) contained on the CD(s), you agree to be bound by the terms of this license and all additional license that follow. If you do not agree with the terms of this license or any of the additional licenses that follow, return this package with all its contents to the place of purchase for a full refund.

The TI-Navigator™ 3.x license grants set forth below apply to the following TI software programs

acx_core.o	dbus kernel module	charger kernel module	switch kernel module
led kernel module	C/K USB module	?HubMgmt.so	

In the event other TI programs are included on the CD(s) and are covered by a separate TI license, the TI-Navigator™ 3.x License shall take precedence over such other license.

The software program(s) contained on the CD(s) and any related documentation (collectively referred to as the Program) are licensed, not sold, by Texas Instruments Incorporated (TI) and/or any applicable licensors (collectively referred to as Licensor). Specific details of the license granted are set forth below. For purposes of this Agreement, a site ("Site") consists of one entire physical campus of an educational institution accredited by an association recognized by the U.S. Department of Education or the State Board of Education, or by their equivalents in other countries.

Licensor grants you a non-exclusive, non-transferable license to install and use the Program on all institution owned, leased or rented computers located at the Site for which the Program is licensed. You may make one copy of the software for backup and archival purposes. You agree to reproduce all copyright and proprietary notices shown in the software and on the media. Except as expressly stated herein or in the documentation, you may not duplicate such documentation. In cases where TI supplies the related documentation electronically you may print one copy of such documentation for each computer on which the Program is installed. Each member of the institution faculty may also use a copy of the Program on an additional computer for the sole purpose of preparing course materials.

Additional Terms:

WARRANTY DISCLAIMER AND DAMAGES EXCLUSIONS AND LIMITATIONS

Licensor does not warrant that the Program will be free from errors or will meet your specific requirements. Any statements made concerning the utility of the Program are not to be construed as express or implied warranties.

LICENSOR MAKES NO CONDITIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED CONDITIONS OR WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT REGARDING THE PROGRAM AND MAKES THE PROGRAM AVAILABLE ON AN "AS IS" BASIS.

Although no warranty is given for the Program, the media, if the Program was delivered to you on a diskette or CD, will be replaced if found to be defective during the first ninety (90) days of use, when the package is returned postage prepaid to TI. THIS PARAGRAPH EXPRESSES LICENSOR'S MAXIMUM LIABILITY AND YOUR SOLE AND EXCLUSIVE REMEDY FOR DEFECTIVE MEDIA.

LICENSOR SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THE USE OF THE PROGRAM, OR SUFFERED OR INCURRED BY YOU OR ANY OTHER PARTY INCLUDING BUT NOT LIMITED TO SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN JURISDICTIONS WHICH ALLOW TEXAS INSTRUMENTS TO LIMIT ITS LIABILITY, TI'S LIABILITY IS LIMITED TO THE APPLICABLE LICENSE FEE PAID BY YOU.

Because some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, the above limitations or exclusions may not apply to you.

GENERAL

This Agreement will immediately terminate if you fail to comply with its terms. Upon termination of this Agreement, you agree to return or destroy the original package and all whole or partial copies of the Program in your possession and so certify in writing to TI.

The export and re-export of United States original software and documentation is subject to the Export Administration Act of 1969 as amended. Compliance with such regulations is your responsibility. You agree that you do not intend to nor will you, directly or indirectly, export, re-export or transmit the Program or technical data to any country to which such export, re-export or transmission is restricted by any applicable United States regulation or statute, without the proper written consent or license, if required of the Bureau of Export Administration of the United States Department of Commerce, or such other governmental entity as may have jurisdiction over such export, re-export or transmission.

If the Program is provided to the U.S. Government pursuant to a solicitation issued on or after December 1, 1995, the Program is provided with the commercial license rights and restrictions described elsewhere herein. If the Program is provided to the U.S. Government pursuant to a solicitation issued prior to December 1, 1995, the Program is provided with "Restricted Rights" as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or DFAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

Manufacturer is Texas Instruments Incorporated, 7800 Banner Drive, M/S 3962, Dallas, Texas 75251.

End of TI Proprietary Evaluation Agreement. Additional files and licenses follow the TI Proprietary Evaluation Agreement

The following program files are covered by the GPL. Additional files and licenses follow the GPL.

uboot (bootloader)	uboot additions & diagnostics	linux kernel
MV Linux kernel additions	Red Hat JFFS2 work	base-files
base-passwd	busybox	tinylogin
ifupdown	initscripts	mtt
netbase	resolvconf	sysvinit
modutils	dhcpcd	wireless tools from MV

GPL follows:

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights to or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.> Copyright (C) <year>
<name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989 Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

End of GPL

The following program files are covered by the LGPL. Additional files and licenses follow the LGPL.

glibc

cajo.jar

LGPL follows:

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.

Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

FSF & GNU inquiries & questions to gnu@gnu.org. Other ways to contact the FSF.

Copyright notice above.

Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111, USA

Updated: 27 Nov 2000 paulv

End of LGPL

The following program files are covered by the JPython Software License.

JPython

JPython Software License follows:

Copyright (c) 2000, Jython Developers

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the Jython Developers nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

End of JPython Software License.

TI LearningCheck 3.x License Agreement

By downloading/installing this software and/or documentation, you agree to abide by the following provisions.

- 1 **License:** Subject to your payment of any applicable license fee, Texas Instruments Incorporated ("TI") grants you a license to copy and use the software program(s) and documentation from the linked web page or CD ROM ("Licensed Materials"). In addition to the copy resident on your computer, you may keep a copy on diskette or CD for backup / archive purposes.
- 2 **Restrictions:** You may not reverse-assemble or reverse-compile the software program portion of the Licensed Materials that are provided in object code format. You may not sell, rent, or lease copies of the Licensed Materials.
- 3 **Support:** Support for the Licensed Materials is described in the documentation that accompanies the software. Absent such documentation, support shall be provided by TI.
- 4 **Copyright:** The Licensed Materials and any accompanying documentation are copyrighted. If you make copies, do not delete the copyright notice, trademark, or protective notices from the copies.
- 5 **Warranty:** TI warrants that it has the right to provide the Licensed Materials. TI does not warrant that the Licensed Materials will be free from errors or will meet your specific requirements. **The Licensed Materials are made available "AS IS" to you or any subsequent user.**

Although no warranty is given for the Licensed Material, the media (if any) will be replaced if found to be defective during the first three (3) months of use, when the package is returned postage prepaid to TI. **THIS PARAGRAPH EXPRESSES TI'S MAXIMUM LIABILITY AND YOUR SOLE AND EXCLUSIVE REMEDY.**

- 6 **Limitations: Except as explicitly stated above,** TI makes no warranty or condition, either express or implied, including but not limited to any implied warranties of merchantability and fitness for a particular purpose, regarding the Licensed Materials.

In no event shall TI or its suppliers be liable for any indirect, incidental or consequential damages, loss of profits, loss of use or data, or interruption of business, whether the alleged damages are labeled in tort, contract or indemnity.

Some states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply.

- 7 **Additional terms:** This Agreement will immediately terminate if you fail to comply with its terms. Upon termination of this Agreement, you agree to return or destroy the original package and all whole or partial copies of the Program in your possession and so certify in writing to TI.

The export and re-export of United States original software and documentation is subject to the Export Administration Act of 1969 as amended. Compliance with such regulations is your responsibility. You agree that you do not intend to nor will you, directly or indirectly, export, re-export or transmit the Program or technical data to any country to which such export, re-export or transmission is restricted by any applicable United States regulation or statute, without the proper written consent or license, if required of the Bureau of Export Administration of the United States Department of Commerce, or such other governmental entity as may have jurisdiction over such export, re-export or transmission.

If the Program is provided to the U.S. Government pursuant to a solicitation issued on or after December 1, 1995, the Program is provided with the commercial license rights and restrictions described elsewhere herein. If the Program is provided to the U.S. Government pursuant to a solicitation issued prior to December 1, 1995, the Program is provided with "Restricted Rights" as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or DFAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

The following program files are covered by the MOZILLA PUBLIC LICENSE. Additional files and licenses follow the MOZILLA PUBLIC LICENSE.

Fileblob.java

MOZILLA PUBLIC LICENSE follows:
MOZILLA PUBLIC LICENSE

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

1.8. "License" means this document.

1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

B. Any new file that contains any part of the Original Code or previous Modifications.

1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

2.1. The Initial Developer Grant.

The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

(a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and

(b) under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).

(c) the licenses granted in this Section 2.1(a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.

(d) Notwithstanding Section 2.1(b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

2.2. Contributor Grant.

Subject to third party intellectual property claims, each Contributor hereby grants You a worldwide, royalty-free, non-exclusive license

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) the licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.

Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.

You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims.

If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.

If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.

Contributor represents that, except as disclosed pursuant to Section 3.4(a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices.

You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.

You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.

You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.

This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

6.1. New Versions.

Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your

license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

8.2. If You initiate litigation by asserting a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

(a) such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.

(b) any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. MULTIPLE-LICENSED CODE.

Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the NPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

EXHIBIT A -Mozilla Public License.

The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.mozilla.org/MPL/>

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is Fileblob.java.

The Initial Developer of the Original Code is Stefan Haustein.

Portions created by _____ are Copyright (C) _____

_____. All Rights Reserved.

Contributor(s): _____.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[] License"), in which case the provisions of [] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [] License."

[NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.]

End of MOZILLA PUBLIC LICENSE

The following program files are covered by the APACHE LICENSE VERSION 2.0. Additional files and licenses follow the APACHE LICENSE VERSION 2.0.

derby.jar

APACHE LICENSE VERSION 2.0 follows:

Apache License

Version 2.0, January 2004

<http://www.apache.org/licenses/>

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

(b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

End of Apache License

The following program files are covered by the BERKELEY SOFTWARE DISTRIBUTION LICENSE.

Binding-1.0.3.jar

BERKELEY SOFTWARE DISTRIBUTION LICENSE follows:

Copyright (c) 2005, Karsten Lentzsch

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of the <ORGANIZATION> nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

End of BERKELEY SOFTWARE DISTRIBUTION LICENSE

Index

A

- access point
 - activating 12
 - illustrated 45
 - LEDs 46
 - resetting 56
- assembling and charging hubs 6

B

- batteries
 - charging 6
- battery information 46
- battery precautions 56
- battery precautions (rechargeables) 57

C

- calculators
 - connecting to hubs 41
 - installing software on 43
- calculators that work with TI-Navigator™ 3
- CellSheet 1
- charging and assembling hubs 6
- clamping hub to work surface 41
- Classroom kit 4
- connecting
 - calculators to hubs 41
- contact information 55
- contents of kits 3
- copyright statement *ii*
- crossover cable 13
- customer support and service 55

E

- error messages 49
- Ethernet crossover cable 13

F

- FCC statement *ii*

H

- hubs
 - activating 12
 - assembling and charging 6
 - checking power status 8
 - connecting calculators to 41
 - resetting 12

I

- Individual kit 5
- inventory 3

K

- kit
 - Classroom 4
 - Individual 5
 - Student 5

L

- LED
 - power status on hubs 8
- LEDs
 - on access point 46
 - on hubs 47

M

- messages
 - error 49

N

- network
 - setting up 12
- network connector
 - attaching to hub 6

O

- operating system
 - installing on calculators 43
- overview of TI-Navigator 1

P

- precautions with batteries 56
- precautions with rechargeable batteries 57
- problems
 - resolving network 49

R

- recharging network hubs 6
- registering TI-Navigator 36
- resetting
 - access point 56
 - hubs 12

S

- safety
 - battery 56
 - rechargeable batteries 57
- service and support 55
- setting up network 12
- software
 - installing on calculators 43
- Student kit 5

- StudyCard 1
- support and service 55
- system requirements 2

T

- technical information 45
- TI-Navigator overview 1
- trademarks *ii*
- troubleshooting 49, 50

U

- unpacking the boxes 3

V

- ViewScreen™ 3

W

- warranty 58
- Windows
 - version required 2
- wizard
 - network setup 12