



User Manual

MOBI™ Access Card



CONTENTS	1
Chapter 1 Introduction	3
<u>Overview of Hardware Elements</u>	4
<u>Connection with PC</u>	5
How to connect	5
How to remove	5
LED Indicators	6
Chapter 2 Setup Procedure	7
<u>Mobi™ Software Installation</u>	8
Installation for Mac OS X	8
<u>Connection Establishment</u>	11
Connection Establishment for Mac OS X	11
Chapter 3 Utility Software	16
<u>Using Utility Software</u>	16
Using Utility Software for Mac OS X	17
Chapter 4 Uninstalling Mobi™ Software	24
<u>Uninstalling Mobi™ Software</u>	25
Uninstallation for Mac OS X	25

Chapter 1

Introduction

This chapter describes that which should be confirmed before using Mobi™ Access Card.



Overview of Hardware Elements

Main Unit

Antenna

- ▮ Please adjust direction and angle according to the state of signal strength.
- ▮ Don't use too much force to adjust antenna direction or angle. It could damage the antenna.

POW/ALM LED

It indicates state of iBurst. (P.6)

Status LED

It indicates state of iBurst. (P.6)

PC Card Connector





Connection with PC

In order to use Mobi™ Access Card, your computer must satisfy the following requirements:

- ▮ PC Card Slot-Type▮compliant with PC Card Standard 95 or later.
- ▮ PC-AT Compatible PC running WindowsXP/2000/Me/98Se or Mac OS X(MacOSX v10.1.5 or later).

How to connect

If this is the first time that Mobi™ Access Card is to be used on your computer, it is necessary to install the device driver first. (Refer to “Mobi™ Software installation” on page 9).

The following describes the procedure how to connect Mobi™ Access Card with your computer.

- 1 Turn on the power to the computer.
- 2 Insert Mobi™ Access Card into the computer's PC Card Slot and make sure it is fully fitted in the slot.
- 3 Double click the icon of PC Card on the computer's task tray, and you should see the device name [iBurst Modem] in the hardware device list of the appearing PC Card dialog window.

How to remove

- 1 Double click the icon of PC Card on the computer's task tray, and click the [Stop] button in the appearing PC Card dialog window. Make sure that you select [iBurst Modem] in the PC Card dialog window before click the [Stop] button.
- 2 A popup dialog window with the message [Safe To Remove Hardware] should appear. Click the [Ok] button in the dialog window.
- 3 Remove Mobi™ Access Card from the computer's PC Card Slot.



LED Indicators

Mobi™ Access Card has two LED indicators, **Pow/ALM LED** indicator and **Status LED** indicator. The former indicates state of power to Mobi™ Access Card while the later indicates state of communication or signal strength of received signal. The following table shows the relation between the LED illumination patterns and Mobi™ Access Card states.

States	LED #1 (POW/ALARM)		LED #2 (STATUS)		
	Blue	Red	Green	Amber	Yellow
Power OFF	All LEDs Off - No LEDs illuminated				
Power ON	On				
Communicate with High Rx signal			Flashing		
Communicate with Low Rx signal					Flashing
No communicate with High Rx signal			ON		
No communicate with Low Rx signal					ON
No Rx Signal				ON	

LED illumination patterns

On : Continuous illumination

Flashing : Blink (0.1s on / 0.1s off)

Chapter 2

Setup Procedure

This chapter describes how to install Mobi™ software, then guides you how to make a network connection so as to use data communication service.



Mobi™ Software Installation

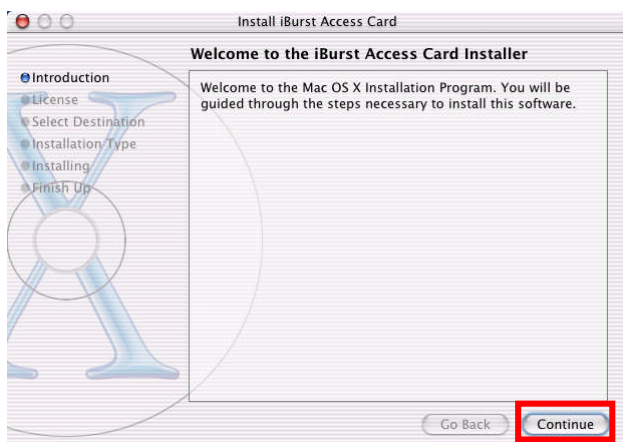
It is necessary to run Mobi™ software installation only when Mobi™ Access Card is to be used on your personal computer the first time. Once it has been installed, there is no necessity for this installation operation from the next connection.

Installation for Mac OS X

- 1 Turn on the power to the computer.
- 2 Insert the provided Software Utility CD into your CD-ROM drive.
Don't insert Mobi™ Access Card into your PC card slot when installation is running.
- 3 Mobi™ Setup starts, Enter user name and password. Click [OK] button.

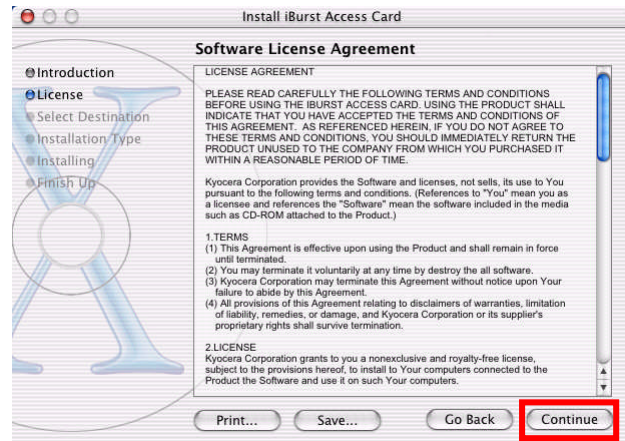


- 4 Click the [Continue] button.





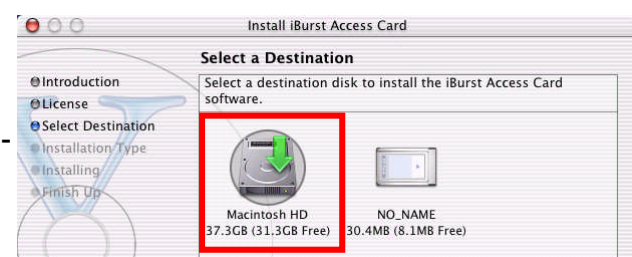
5 Click the [Continue] button.



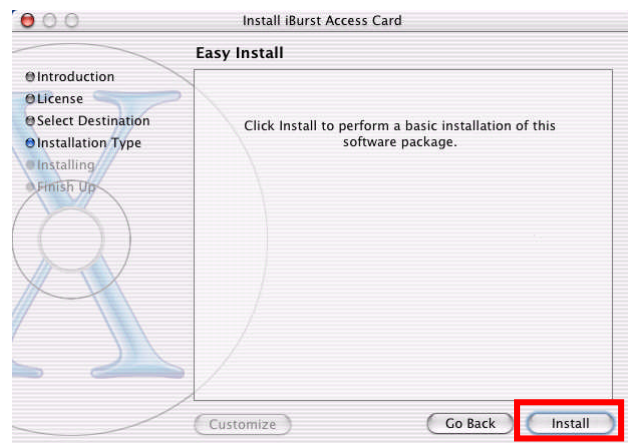
6 The following dialog window will appear, click the [Agree] button.



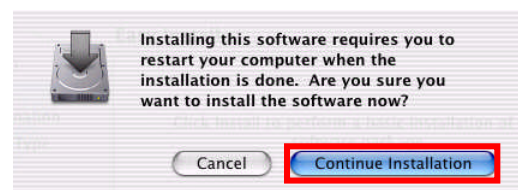
7 Select a destination disk, then click the [Continue] button.



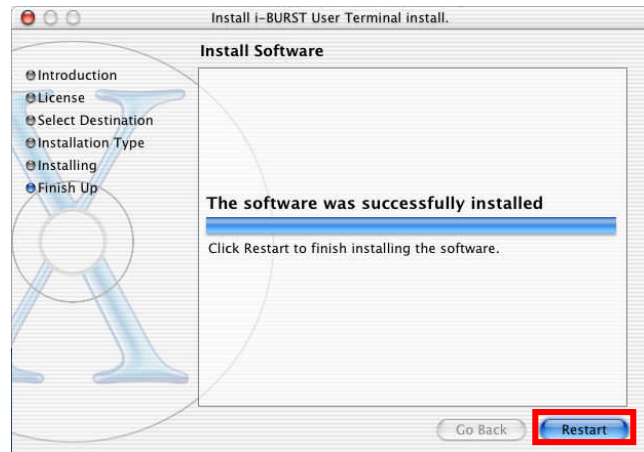
- 8 Click the **Install** button after appearing dialog window as shown below.



- 9 Click the **Continue installation** button.



- 10 When the installing process finishes, the dialog window shown below will appear. Click the **Restart** button in the dialog window.



Connection Establishment

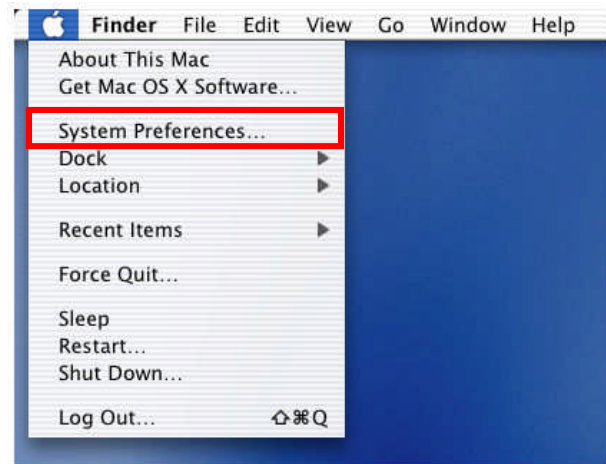
Connection Establishment for Mac OS X

As Mac OS X operating system supports PPPoE protocol, we don't use connection application for

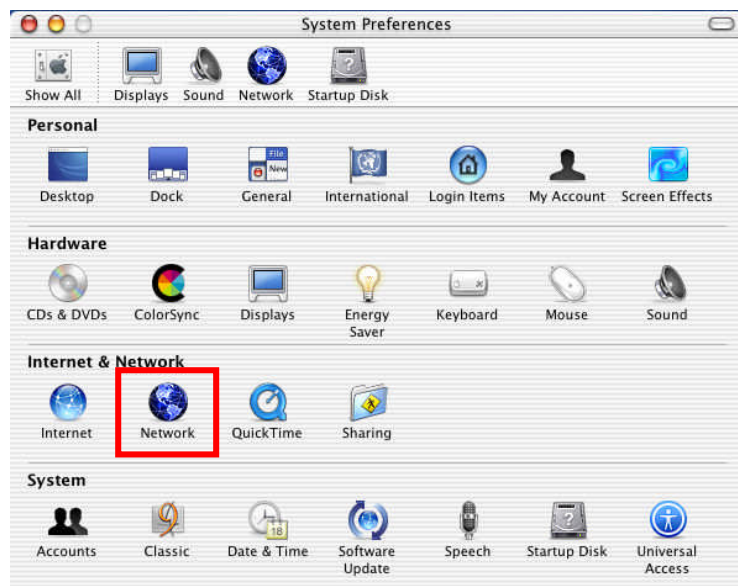


Mobi™ to configure network connection.

- 1 Select [System Preferences...] on the Apple menu.



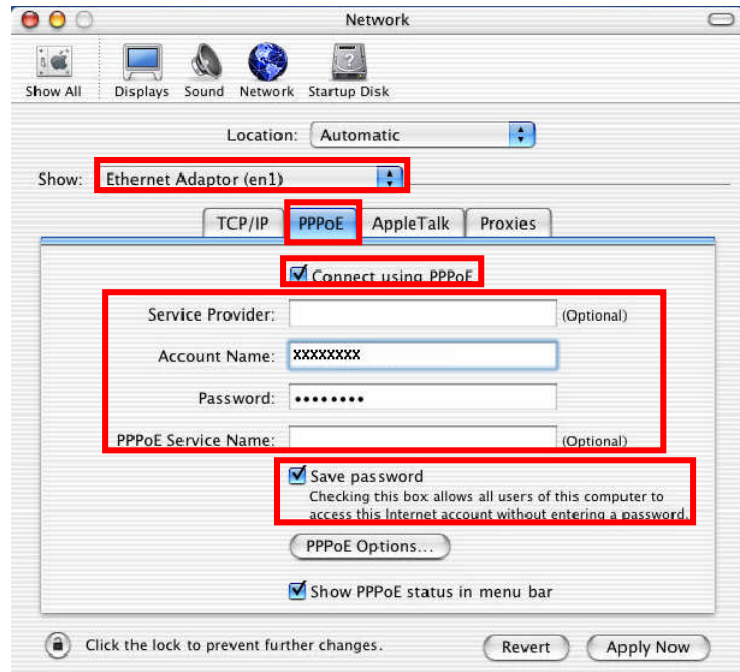
- 2 Double click [Network] in the [System Preferences] window.



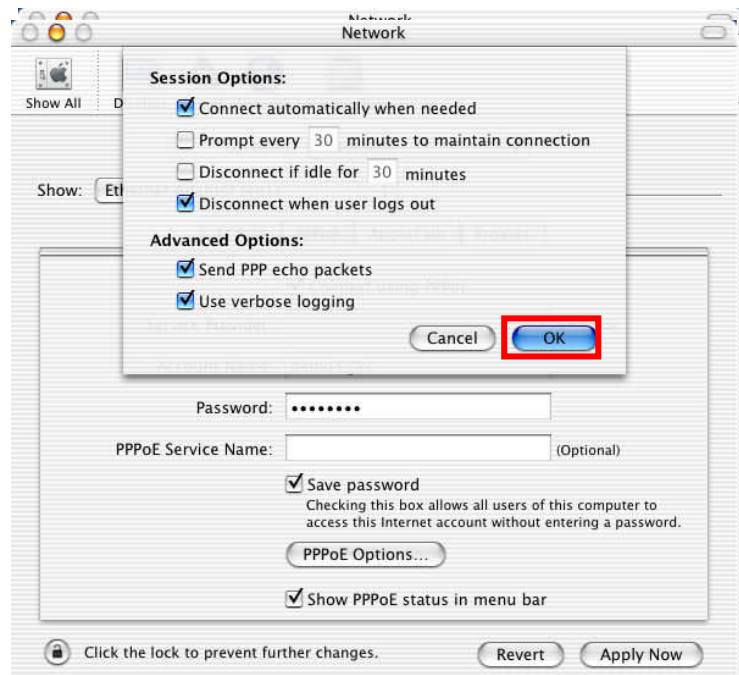
- 3 Click on drop down [Show] menu, and select [Ethernet Adaptor (enX)] in the [Network] window.
 - ▮ Click on the PPPoE tab.



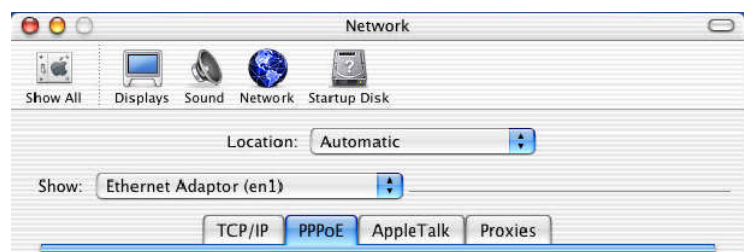
- ▮ Check off **Connect using PPPoE**.
- ▮ Enter **Account Name** as provided by your ISP.
- ▮ Enter **Password** as provided by your ISP.
- ▮ Check off **[Save password]** If you require the computer to remember your password.
- ▮ When you require the computer to connect or disconnect automatically, Click on **[PPPoE Options...]**




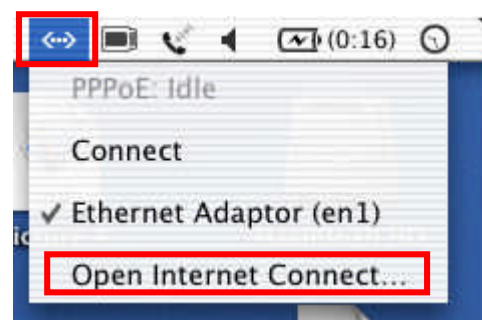
- 4 Under **Session Options** check the boxes when needed, then click on **[OK]**.



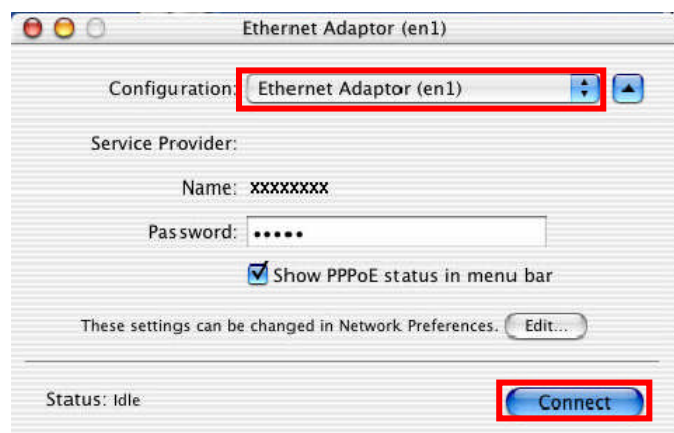
- 5 Click **[Apply Now]**.



6 Click the  icon at top right of screen, select [Open Internet Connect...].



7 Click on drop down Configuration menu, and select [Ethernet Adaptor (enX)].
The configuration of Ethernet adaptor (enX) will be displayed, click [Connect].



8 When the box Show PPPoE status in menu bar is checked, PPPoE Status Connected to xxx.xxx.xxx.xxx will be displayed after having finished connection.

Ethernet Adaptor (en1)

Configuration: Ethernet Adaptor (en1)

Service Provider:

Name: xxxxxxxx

Password:

☒ Show PPPoE status in menu bar

These settings can be changed in Network Preferences. Edit...

Status: Connected to 192.168.100.1

Send:

Receive:

Connect Time: 00:00:29

IP Address: 192.168.100.2

Disconnect



Chapter 3 Utility Software

Chapter 3 Utility Software

This chapters describe the features and usage of the utility software for Mobi™ Access Card.

Using Utility Software



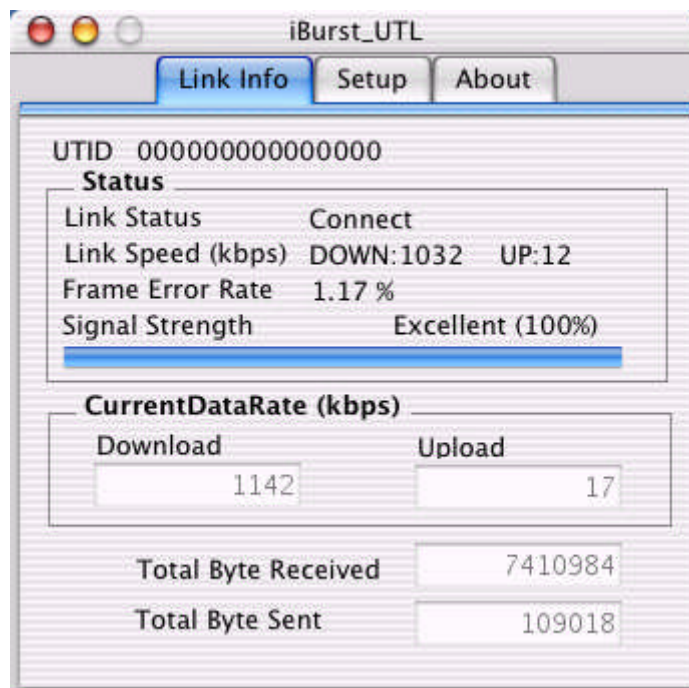
Using Utility Software for Mac OS X

How to display utility dialog window.

- ▣ Double click the Mobi™ icon from the Dock.



- ▣ The Link display window appears, and the status of Mobi™ Access Card will be displayed.

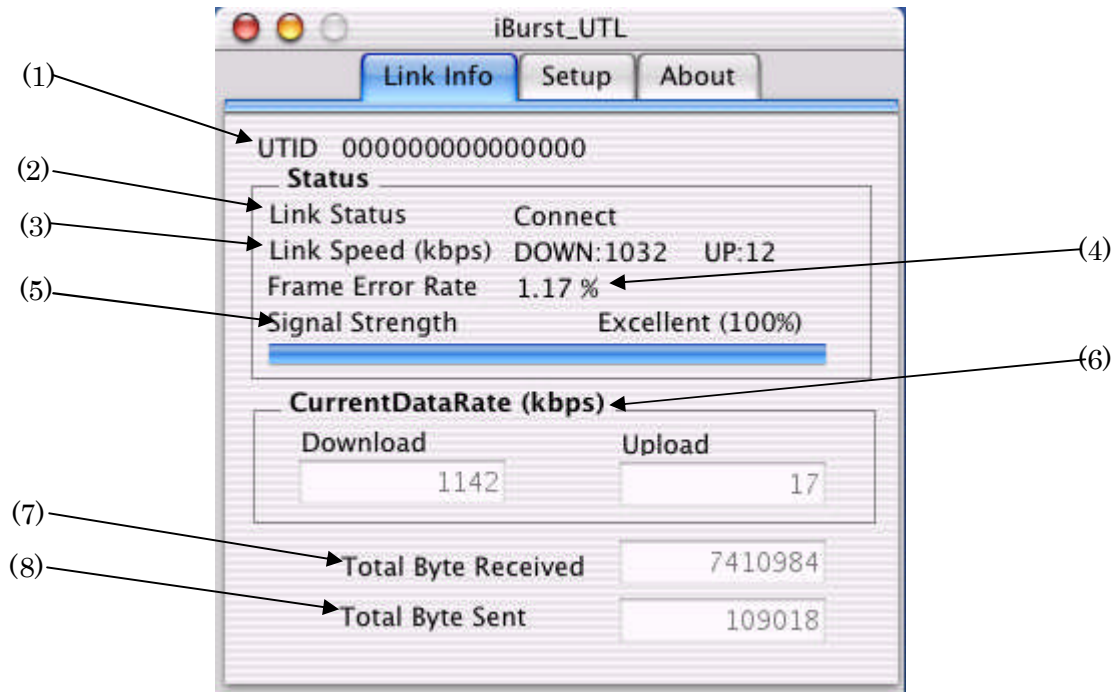




Link Info

Link Info pane can be displayed in the main dialog window by clicking the **Link Info** tab.

Generally, the elements in the Link Info pane give information about the communication link between Mobi™ Access Card and the access point to the network.



The following describes each item of the Link Info pane.

(1) UTID

UTID is used as the identifier of Mobi™ Access Card.

(2) Link Status

Link Status indicates connection state of the communication link between Mobi™ Access Card and the access point.

Connected : The link is connected.

No Connected : Mobi™ Access Card is inserted in the PC Card slot but the link is not connected.

NoCard : There is no Mobi™ Access Card inserted in the PC Card Slot.

(3) Link Speed

Link Speed indicates speed of the link in both down and up direction.

(4) Frame Error Rate

Frame Error Rate indicates the FER of the received data.



(5) Signal Strength

Signal Strength indicates the signal strength of the received signal. Here, two kinds of indicators, percentage indicator and 5-step indicator, are used to indicate the received signal strength.

The percentage indicator is the RSSI value in percent. On the other hand, the 5-step indicator shows performance of the received signal in words as follows.

No Signal	: RSSI = 0%
Poor	: RSSI is in the range of 1~ 24%
Fair	: RSSI is in the range of 25~ 49%
Good	: RSSI is in the range of 50~ 74%
Excellent	: RSSI is in the range of 75~ 100%

(6) Current Data Rate

Current Data Rate indicates the current transmission throughput and the reception throughput.

(7) Total Byte Received

Total Byte Received indicates the total number of bytes of the data which Mobi™ Access Card has received from the access point since the communication link is established.

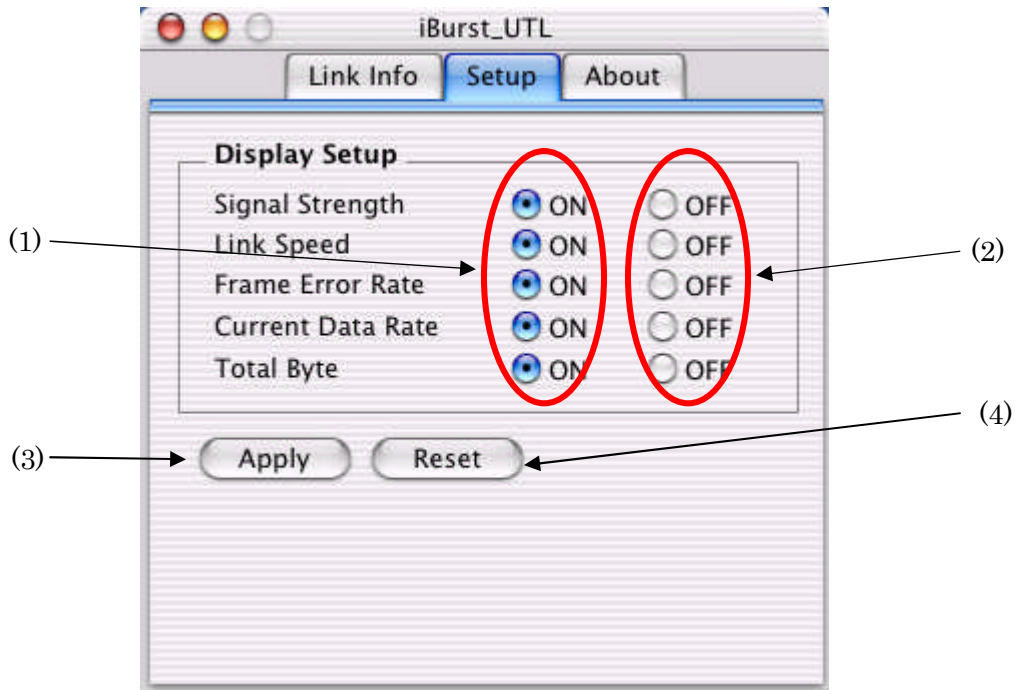
(8) Total Byte Sent

Total Byte Sent indicates the total number of bytes of the data which Mobi™ Access Card has transmitted to the access point since the communication link is established.



Setup Pane

Setup pane can be displayed in the main dialog window by clicking the **[Setup]** tab. Setup pane is used to configure the display items in the Link Info pane.

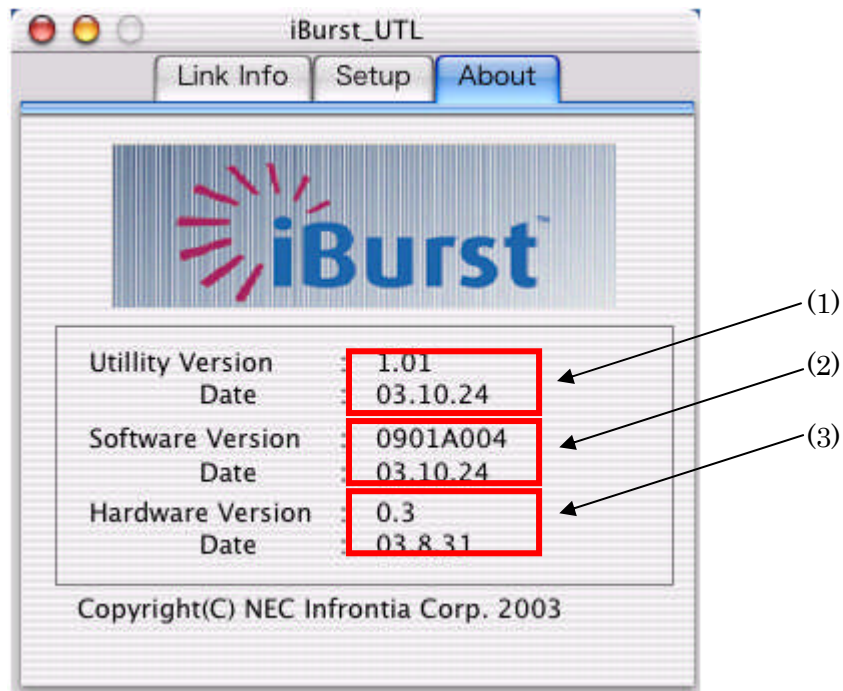


- (1) Check the **[ON]** radio buttons at the right hand side of the items you want to display in the Link Info pane.
- (2) Check the **[OFF]** radio buttons at the right hand side of the items you don't want to display in the Link Info pane.
- (3) The configuration shown in the Display Setup subpane is activated by checking the **[Apply]** button.
- (4) The configuration in the Setup pane can be set to default (Default is the state in which all radio buttons on the right hand side of display items are set to "ON".) by clicking the **[Reset]** button.



About Pane

About pane is used to display the version numbers of utility, software and hardware and show copyright notice.



The following describes the function of each item of the About pane.

- (1) This shows the version number and the release date of the Utility Software.
- (2) This shows the firmware version and the build date of Mobi™ Access Card in use.
- (3) This shows the hardware version and the build date of Mobi™ Access Card in use.



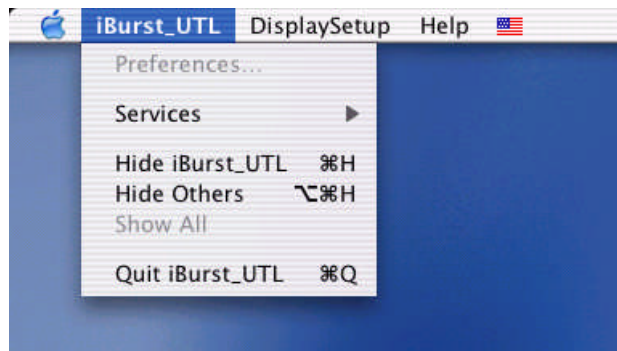
Menu Bar

It will be displayed when the Mobi™ utility starts.



(1) iBurst_UTL menu

The menu is used to quit iBurst utility or to perform other operations.

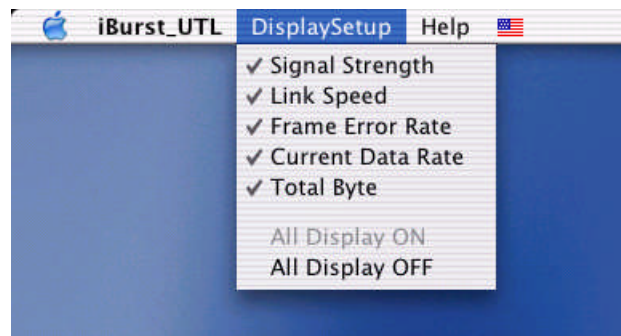


(2) Display Setup menu

The menu is used to select displaying or undisplaying status information in the [Link Info](#) window.

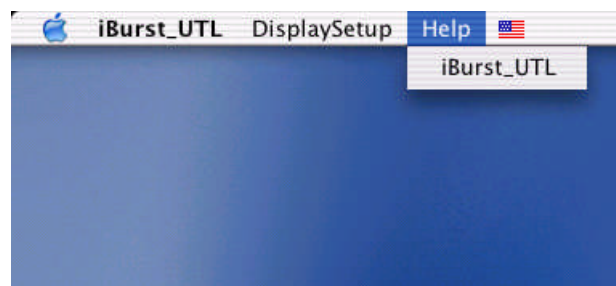
The function is the same as that pushing the [\[Apply\]](#) button in the [\[Setup\]](#) window.

The checked items will be displayed, and the unchecked items will not be displayed in the Link Info window.



(2) Help menu

The [\[Help\]](#) window will appear when help menu is selected.











Icon Display in the Dock

When the utility software for Mobi™ Access Card is active, an icon of the utility software will be displayed in the Dock of the computer monitor according to communication activities on Mobi™ Access Card.



The following shows the relation between the icons to be displayed in the Dock and activities on Mobi™ Access Card.

Icon	Activities on Mobi™ Access Card
	Mobi™ Access Card is not inserted in the PC Card slot.
	Mobi™ Access Card is inserted, and Signal Strength is <i>No Signal</i> .
	Mobi™ Access Card is inserted, and Signal Strength is <i>Poor</i> .
	Mobi™ Access Card is inserted, and Signal Strength is <i>Fair</i> .
	Mobi™ Access Card is inserted, and Signal Strength is <i>Good</i> .
	Mobi™ Access Card is inserted, and Signal Strength is <i>Excellent</i> .

Chapter 4

Uninstalling Mobi™ Software

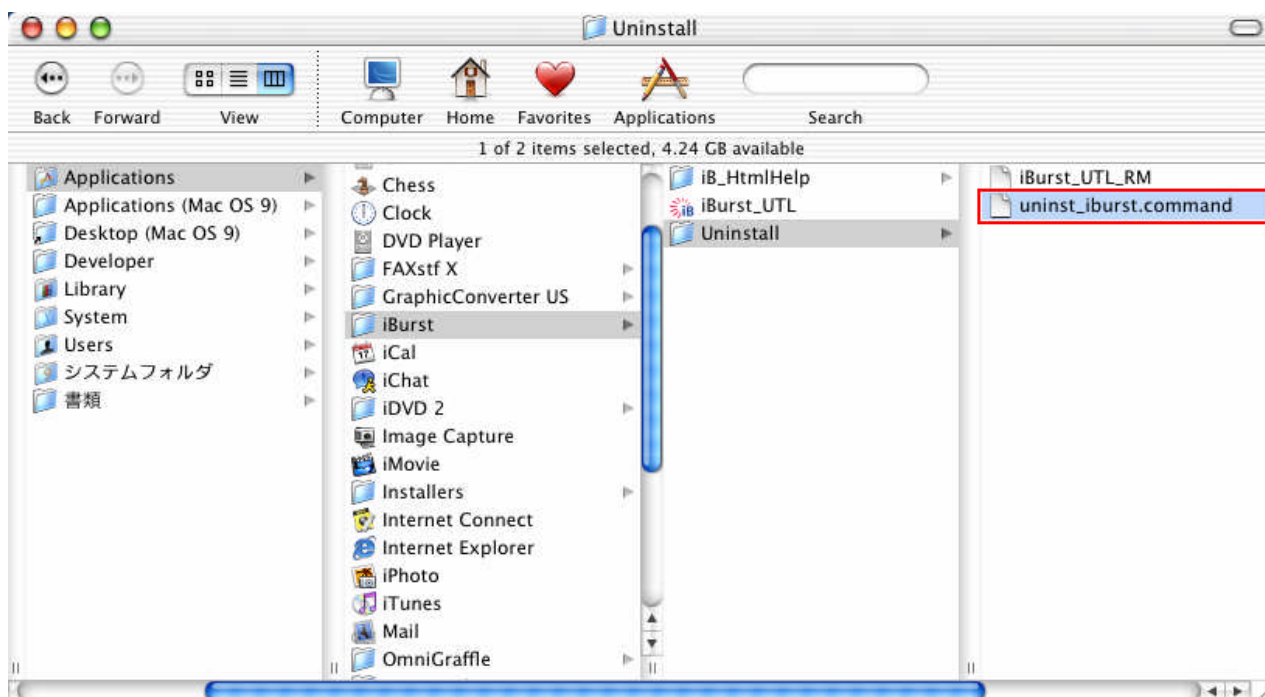
This chapter describes how to uninstall Mobi™ software.



Uninstalling Mobi™ Software

Uninstallation for Mac OS X

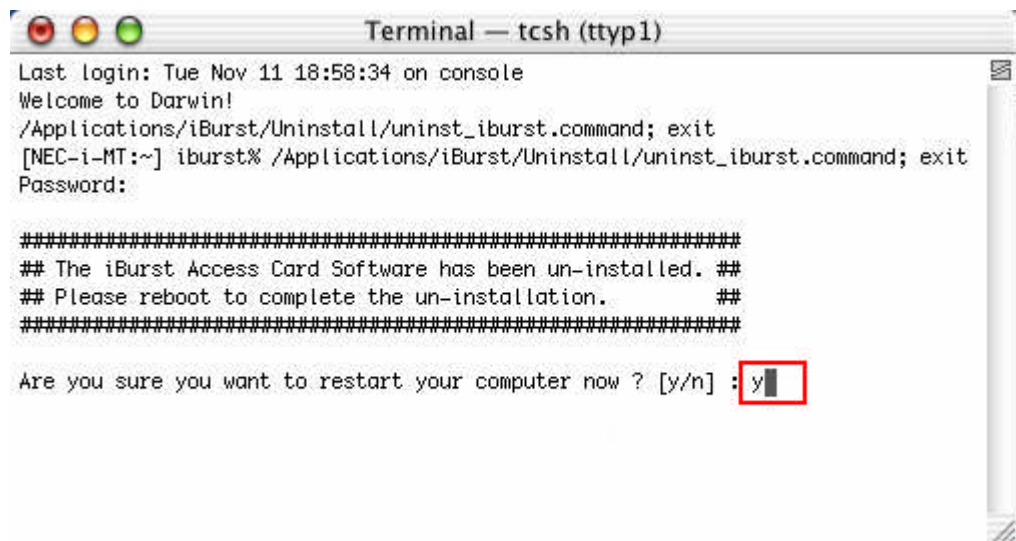
- 1 Close all programs that are currently running.
- 2 Remove the Mobi™ Access Card from the computer.
- 3 Open the folder [Applications|iBurst|Uninstall], then double click the script file [uninst_iburst.command] .



- 4 The terminal window shown below will appear, enter user's [password] and [Enter] key.



- 5 Enter [y] and [Enter] key to restart your computer.



```
Terminal — tcsh (tty1)
Last login: Tue Nov 11 18:58:34 on console
Welcome to Darwin!
/Applications/iBurst/Uninstall/uninst_iburst.command; exit
[NEC-i-MT:~] iburst% /Applications/iBurst/Uninstall/uninst_iburst.command; exit
Password:

#####
## The iBurst Access Card Software has been un-installed. ##
## Please reboot to complete the un-installation.         ##
#####

Are you sure you want to restart your computer now ? [y/n] : y
```