

User Manual

MOBITM Access Card





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Chapter 1 Introduction

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



Overview of Hardware Elements

Main Unit



In order to use Mobi™ Access Card, your computer must satisfy the following requirements: IPC Card Slot-Type□compliant with PC Card Standard 95 or later.

 ${\tt I}$ PC-AT Compatible PC running Windows XP/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 #ጔ (P	OW/ALARM)	LED	TATZ) S#	UZ)
States	Blue	Red	Green	Amber	Yellow
Power OFF	A11	LEDs 0ff –	No LE⊅s	illumina	ted
Power ØN	٥n				
Communicate with High Rx			Flashi		
signal			ng		
Communicate with Low Rx					Flashi
signal					ng
No communicate with High Rx			ON		
signal			VN		
No communicate with Low Rx					A N
signal					VN
No Rx Signal				0 N	

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

Installation fo	or Windows	XP
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- 1 Turn on the power to the computer.
- 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, click the [Next] button.



4 Select [I accept the terms the license agreement], click the [Next] button.





5 Click the [Next] button after appearing dialog window as shown below.



6 Click the [Next] button.

lurst Set Up		2
Choose Destination Locati Select folder where setup will	on instal files.	
	Setup will install iBurst in the following folder.	
	To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
	–Destination Folder– D:\Program Files\Burst Bjowse	
InstallColou	c Back Newton Cannel	2

7 The following dialog window will appear, and installation of software begins.





8 Click the [Continue Anyway] button in the appearing dialog window as shown below.

The software you are installing for this hardware:
 iBurst Modem
has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)
Continuing your installation of this software may impair
or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

9 When the installing process finishes, the dialog window shown below will appear. Select "Yes,I want to restart my computer now" and Click the [Finish] button in the dialog window.



10 After the restart, insert Mobi[™] Access Card into your PC card slot.



11 If the operating system is able to recognize the inserted Mobi[™] Access Card as a new installed hardware, [Found New Hardware Wizard] will begin and the dialog window as shown below will appear. Select [Install the software automatically(Recommended)] and click the [Next] button in the dialog window.



12 The dialog window shown below will appear, click the [Continue Anyway] button.





13 The driver is installed on your PC.



14 After installation of the driver, the dialog window shown below will appear, click the [Finish] button.



Connection Establishment



Connection Establishment for Windows XP

As Windows XP operating system supports PPPoE protocol, we don't use connection application for $Mobi^{TM}$ to configure network conection.

1 Click the [Start] button, followed by selecting [Control Panel] as shown below.



2 Click [Network and Internet Connections] in the [Control Panel] display.



3 Next, click [Set up or Change your Internet connection].



4 When the [Internet Properties] dialog window appears, click the [Setup] button.



Pial-u	To set up Setup. p and Virtu	an Interr	net connec	tion, click	Setup
1					Add
					<u>R</u> emove
Choo:	se Settings r for a con	; if you ne	ed to conf	igure a proxy	Settings
	ever dial a al <u>w</u> henev ways dial r	<u>c</u> onriectio er a netwi ny default	in ork connec connectio	stion is not presi n	ent
Curre	nt	None			Set Default
Local LAN S Choos	Area Netv Jettings do se Settings	rork (LAN) not apply above fo) settings / to dial-up pr dial-up s	connections. ettings.	LAN Settings

5 [New Connection Wizard] will begin and the dialog window as shown below will appear. Click the [Next>] button in the dialog window.



6 Select [Connect to the Internet] and click the [Next>] button.



7 Select [Set up my connection manually] and click the [Next>] button.





8 Select [Connect using a broadband connection that requires a user name and password] and click the [Next>] button.

Inte	ernet Connection How do you want to connect to the Internet?
	Connect using a dial-up modem
	Connect using a broadband connection that requires a user name and password This is a high-speed connection using either a DSL or cable modem. Your ISP may refer to this type of connection as PPPOE.
	Connect using a broadband connection that is <u>always</u> on This is a high-speed connection using either a cable modern, DSL or LAN connection. It is always active, and doesn't require you to sign in.

9 Fill in [ISP Name] edit box with an ISP Name, followed by clicking the [Next>] button. Note that any ISP name is acceptable.

What is th	Name e name of the service that provides your l	Internet connection?
Type the n	ame of your ISP in the following box.	
ISP N <u>a</u> me		
E		

10 Enter user name and password and make sure that the [Make this the default Internet



connection] check box is checked. Click the [Next>] button.

You will need an acc	ount name and password to sign in to your Internet account.
Type an ISP account safe place. (If you have	name and password, then write down this information and store it in ve forgotten an existing account name or password, contact your ISF
<u>U</u> ser name:	xxxxx
Password:	
Confirm password:	•••••
Use this account this computer	name and password when anyone connects to the Internet from
Make this the def	ault Internet connection
Iurn on Internet 0	Connection Firewall for this connection

11 Click the [Finish] button.



12 When the [Network and Internet Connection] window pane appears again, click [Set up change your Internet Connection].



General Security Privacy Content Connections Programs Advanced

? ×

13 When the [Internet Properties] dialog window appears and the [Connections] pane is displayed,

Internet Properties



confirm the connection name and make sure that the [Always dial my default connection] radio button is checked, followed by clicking the [Apply] button. Then, click the [OK] button to close the dialog window.

14 At this point, the connection configuration is complete. When you call Internet Explorer program, [Dial-up Connection Wizard] will begin and the [Dial-up Connection] dialog window as shown below will appear. Click the [Connect] button to connect to the network.



15 When the connection establishment process is complete, a message indicating the completion of the connection completion will at the task tray as shown below.





Chapter 3 Utility Software



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



Using Utility Software for Windows

How to display utility dialog window

1 To open the utility dialog window, click the icon **ib** on the computer's task tray. When the window opens, the [Link Info] pane will be displayed as shown below.

B iBurst_UTL	X
Link Info Setup About	
UTID 000000000000000	
Status	¥
Link Speed Down : 0 kbps	Up : 0 kbps
Frame Error Rate : 0.00 % Signal Strength	Excellent(100%)
Current Data Rate (kbps)	
Download Upl	oad
0	0
Total Byte Received	0
Total Byte Sent	Ō
OK Cancel	

2 To close the utility dialog window, click the [OK] button or the [Cancel] button or the X mark at upper-left corner of the dialog window.



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.

B iBurst_UTL		$\mathbf{\times}$
Link Info Setup About		1.44
Status		p
 Link Status : Connect Link Speed Down : 1023 kt 	ops Up : 25 kbps	
Frame Error Bate 1.83%	+	
Signal Strength	Excellent(100%)	
Signal Strength	Excellent(100%)	
 Signal Strength Current Data Rate (kbps) Download 	Excellent(100%)	
 Signal Strength Current Data Rate (kbps) Download 1042 	Excellent(100%) Upload 34	
 Signal Strength Current Data Rate (kbps) Download 1042 Total Byte Received 	Excellent(100%)	

The following describes each item of the Link Info pane.

(1) **UTID**

UTID is used as the identifier of $Mobi^{\ensuremath{\mathsf{TM}}}$ User Terminal.

(2) Link Status

Link Status indicates connection state of the communication link between MobiTM 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 MobiTM 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 1124%
Fair	: RSSI is in the range of 251 49%
Good	: RSSI is in the range of 501 74%
Excellent	RSSI is in the range of 751 100%

(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 ommunication link is established.



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.



The following describes usage of each item of the above figure.

- (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.
- (5) By clicking the Ok button, the current configuration will be activated and the dialog window will be closed.
- (6) By clicking the [Cancel] button, the dialog window will be closed but the current configuration won't be activated.



About Pane

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

iB iBurst_UTL	
Link Info Setup	
iBurst	
Utility Version . 1.11	(1)
Date : 10/1/2003	(2)
Date	(3)
Hardware Version U.3 Date 8/31/2009	
Copyright (C) NEC Infrontia Corp. 2003	
OK Cancel Help	

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 $Mobi^{TM}$ Access Card in use.
- (3) This shows the hardware version and the buld date of MobiTM Access Card in use.



Icon Display in Tasktray

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



The following shows the relation between the icons to be displayed in computer's task tray and activities on MobiTM Access Card.

Icon	Activities on Mobi™ Access Card
18	Mobi™ Access Card is not inserted in the PC Card slot.
iB	There is no action of transmission or reception on Mobi [™] Access Card.
B	Mobi™ Access Card is transmitting data.
iB	Mobi [™] Access Card is receiving data.
iB	Mobi™ Access Card is both transmitting and receiving data.

From the task tray icon, user may also get information of Link Status, Total Byte Received, Total Byte Sent, Signal Strength, which is displayed in the Link Status pane of the utility dialog window, without opening the dialog window. This can be done by placing the mouse's pointer over the currently displayed icon of the utility software. The below figure shows an image of what happens when the mouse pointer is placed on the task tray icon.





Chapter 4 Uninstalling Nobi^{TNI} Software

This chapter describes how to uninstall Mobi™ software.



Uninstalling Mobi™ Software

Uninstallation for Windows XP/2000

- 1 Close all programs that are currently running.
- 2 Remove the Mobi[™] Access Card from the computer.
- 3 Click the [Start] button, followed by selecting [Control Panel] as shown below.Click [Add or Remove Programs].



4 Select [iBurst] software, and click the [Change/Remove] button.





5 Click the [OK] button after appearing dialog window as shown below.

Commonni	stall	
Do you want to	completely remove the selected application and	all of its componer
	OK Cancel	

6 The following dialog window will appear, and uninstallation of software begins.



7 Click the [Finish] button after appearing dialog window as shown below.



iBurst Set Up				
	Maintenance Complete			
	InstallShield Wizard has finished performing maintenance operations on iBurst.			
InstallShield	< <u>B</u> ack	Finish		Cancel