User Manual

PN: 65003400011 (Rev.A)



# Contents

Chapter 1	Getting Started	3
Chapter 2	Connecting	8
Chapter 3	SMS	11
Chapter 4	Setting	13
Chapter 5	Statistics & Information	16
Chapter 6	Q&A	18
Chapter 7	Important Safety Information and Glossary	21

## **Chapter 1**

# **Getting Started**



## <u>Chapter 1</u>Getting Started

## What's content

BandLuxe C32X USB dongle modem



## Features

- Support 2G, 3G, 3.5G and HSPA+ standard (HSDPA / WCDMA / EDGE / GPRS)
- Support SMS Message
- USB Interface
- Support microSD/microSDHC storage

•Support systems: Windows 7, Windows Vista, Windows XP,

- Does not interfere with other USB peripherals
- Multi language interface (English, French, German, Italian, Spanish, Traditional Chinese, Russian, Portuguese and Finnish)
- Plug & Play

## **Before You Install**

### Information

Before installing the C32X,we recommend obtaining the following information from the SIM Card Mobile network operator:

Access Point Name (APN) - For many carriers, the APN may simply be Internet.

Phone Number

- The Phone Number to dial to establish a network connection. BandLuxe software helps input this number correctly.

Password (Optional) - Some (but not many) carriers require a password.

## Notice: BandLuxe C32X is a radio device. Please be aware to keep metal materials away from the device.

## Insert the SIM Card & microSD Memory Card



- 1. Remove the cap (fig. 1)
- 2. Follow the arrow direction to insert the SIM card. (fig. 2)

3. Micro SD card reader is equipped. Follow the arrow direction to insert the micro SD card. (fig. 3)

\*micro SD card is an optional purchased accessory.

## Hardware Installation

With the SIM card properly inserted, the C32X  $\,$  may now be installed into the computer via USB port.

- 1. Insert the C32X into the computer.
- The LED should light up when connection is established, though it may be obscured.

## Chapter 1 Getting Started

## **Software Installation**

The process and appearance of certain software elements in Windows Vista will be somewhat different than in XP. These differences are minor and should not limit the functionality of the C32X in any way.

## **New Hardware Detection**

#### Windows XP

Once the C32X is connected, a dialog box should pop up from the Toolbar Hardware Connection Icon. The device will be identified as the BandLuxe C32X 3.5G HSDPA Utility.

#### Windows Vista

In Vista, a pop-up window may appear. Click Allow to proceed.

After the first pop-up, all other aspects for software installation will be identical in all compatible versions of Windows.

Software installation should proceed automatically. If it does not, it may be initiated from *My Computer*, where the C32X will be identified as a CD-ROM device. Sometimes a restart will occur during installation. If it does, reinitiate installation from *My Computer*.



## 3G Modem or microSD/microSDHC card reader

When the device is connected to computer for the first time, please choose the upper option (3G) of the pop-up dialog to install the software. The Install Shield Wizard window will open, indicating that the Wizard is checking the installed OS version. If choose the bottom option (microSD) of the pop-up dialog, the device will be used as microSD card reader.



## **Install Shield Wizard**

#### Setup Language

Choose	Setup Language
2	Select the language for this installation from the choices below.
	English (United States)
	OK Cancel

## Preparation

8
Preparing to Install
BandLuxe HSDPA Utility R11 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

The C32X will automatically use the appropriate language for your OS, if available.

#### Welcome

Welcome to the InstallShield Wizard for BandLuxe HSDPA Utility R11
The InstallShield(R) Wizard will install BandLuxe HSDPA Utility R11 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
<back next=""> Cancel</back>

The Setup Wizard window opens automatically. The first page contains OS compatibility and legal disclaimers. Click **Next** to continue.

## 。 <u>Chapter 1</u>Getting Started

### **License Agreement**



Click I accept the terms in the license agreement > Next to continue.

#### **Select Installation Folder**



Click Change to manually select a folder.

## **Change Current Destination Folder**

1

Highlight the folder and click **OK** to select it. Click **Cancel** to close the *Browse* window.

#### **Confirm Installation**

BandLuxe HSDPA Utility R11 - InstallShield Wizard	×
Ready to Install the Program	
The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, dick B exit the wizard.	ack. Click Cancel to
nstallShield	
< Back Install	Cancel

Click **Back** to change any preceding information or settings. Click **Install** to begin installation.

### Installation

	J BandLuxe HSDPA Utility R11 gram features you selected are being installed.
ß	Please wait while the InstallShield Wizard installs BandLuxe HSDPA Utility R11. This may take several minutes. Status:
tallShield -	

Installation time will depend on variable computer.

#### **Installation Complete**

BandLuxe HSDPA Utility R1	1 - InstallShield Wizard
	InstallShield Wizard Completed
	The InstallShield Wizard has successfully installed BandLuxe HSDPA Utility R11. Click Finish to exit the wizard.
	< Back Finish Cancel

When installation is completed, click **Finish** to exit. The Connection Manager will open automatically.

## Chapter 1 Getting Started

Home Screen

- 1. Signal Strength
- 2. Minimize
- 3. Radio Technology
- 4. Mobile Network Operator
- 5. Connection Status
- 6. Connection Time Elapse
- 7. Total Data Uploaded
- 8. Total Data Downloaded
- 9. Menu
- 10. Home Screen
- 11. Connect/Disconnect
- 12. Close

**Note:** The Home screen only indicates 3G (internet) connection status. After installation, the C32X automatically initiates 2G (SMS) functions upon successful connection to the computer. Text messages can be sent or received, even if the Home screen indicates no connection.

#### Menu Screen

SMS: Text message folders such as Inbox, Draft, etc.
Setting: General, SMS, SIM, Radio and Network preferences.
Statistics: Upload/Download graphs, totals and connection log.
Contacts: C32X SIM Card and Outlook Contact lists.
Profile: Connection profile setup/options.
Information: Device, Version and USSD, STK.





# **Chapter 2**

# Connecting



## Chapter 2 Connecting

## **Establishing a Connection**

With the C32X installed, an online connection can be ready to use. The C32X will automatically scan your system and create a default profile, which should work in the vast majority of cases. To test it, simply click the Connect button.



Connection should take about 5 seconds. When established, the Home screen should show Connected, with the onscreen clock running and the Download/Upload tallies running. The toolbar icon will also change color to indicate the connection protocol (same as LED indicator). See Specifications for details.

If connection is unsuccessful, check if the device and SIM card are properly connected and inserted. If they are, a new internet profile may need to be created.

#### **Create a Profile**

1. Click **Menu > Profile**. The profile menu will contain the default profile, showing *the operator's name of the SIM card*.

Default	Name	New
YES	user2 user1	Edit
		Delete
		Default

Click New to create a new profile. Depending on the carrier, all 5 spaces may not need to be filled to proceed.

Profile Name :	Bandluxe	
Number :	*99#	Save
User Name :		Cancel
Password :		
APN :	internet	Detail

- 3. Choose a *Profile Name*. The name is arbitrary and is helpful when different connection methods are available.
- 4. Inquire with the Mobile network operator (SIM carrier) as to whether the User Name and Password are required.
- 5. The *Password* can be any combination of letters, numbers or symbols and is case sensitive.
- 6. Enter the Access Point Name (*APN*) supplied by the SIM card carrier.

7. Enter the phone number for establishing the wireless connection, supplied by the SIM card carrier; click **Save**.

6
Edit
Delete
Default

- On the *Profile* window, click the newly created profile and then click Default. Click OK to set this profile as the default (only the default can be connected).
- The BandLuxe C32X is now ready for a wireless connection. Click the Connect icon to establish. Connection should take about 5 seconds. When established, the Home screen should show Connected, with the onscreen clock running and the Download/ Upload tallies counting.
- Note: If you switch to a different SIM card, the default profile will no longer be valid. You will have to create a new profile in the manner just described. If you can not access to all the information necessary to create a new profile, just uninstall and reinstall the BandLuxe software. The new default profile should work for the new SIM card

### **Choose a Profile**

Different profiles may be needed, depending on changeable location.

1. Click Menu > Profile.

Name	New
connect2 connect1 connect3	Edit
	Delete
	Default
	connect2 connect1

2. Highlight the desired profile and click Default.

connect2 connect1 CManager	Edit
	Edit
Set connect1 to default connection ?	Delete
	Default

3. Click OK on the confirmation window if this is the desired profile.

Default	Name CHT	New
YES	user2 user1	Edit
		Delete
		Default

4. The word **YES** will appear next to the default profile.

# Chapter 2 Connecting

## **Profile Properties**

In the *Profile* window, click **Edit** to adjust the default profile. To adjust a non-default profile, highlight it and then click **Edit**. Click **Detail** on the *Edit* window to view the *Properties* menu, *General* Tab.

BANDLUXE-1 Pro	operties 🛛 ? 🔀
General Options So	ecurity Networking Advanced
Connect using:	
Se Modem - BandLu	uxe 3.5G Modem (COM3)
	Configure
Phone number	
Ar <u>e</u> a code:	Phone number:
~	*99# Alternates
Country/region co	de:
	~
Use dialing rule	es Dialing <u>B</u> ules
Show icon in noti	ication area when connected
	OK Cancel
Location Informa	ition ? 🔀
	Before you can make any phone or modem connections,
	Windows needs the following information about your current location.
	What country/region are you in now?
	United States
	What area code (or city code) are you in now?
	612
	If you need to specify a carrier code, what is it?
	If you dial a number to access an outside line, what is it?
	n you dial a humber to access an outside line, what is it?
	The phone system at this location uses:
	● Tone dialing
	OK Cancel

## Get the latest APN List Database

The **Profile** provides the APN List Update function. When the network connection is established, the APN List will be updated after clicking this button.

Default	Name	New
YES	user2 user1	Edit
		Delete
		Default

## General

### **Connect using**

If other modems are available, they will be listed here. Click **Configure** to adjust the BandLuxe modem settings.

## Phone number

Check **Use dialing rules** to access the *Location Information* window to add more specific dialing information such as **tone/pulse dialing**, **current region**, **area & carrier code**, and **outside line access number**.

Click **OK** when completed.

This and other *Properties* menu tabs are generic to the Windows OS and will not be discussed further.

## **Connecting & Disconnecting**



If a default profile has been selected, a connection can be made or ended at any time by clicking the Connect button on the *Menu* screen. However, connection status will not be obvious unless the Home screen is displayed. The *Statistics* or *Signal Information* windows also clearly display connection status.

**Chapter 3** 

# **SMS**



## <sup>12</sup> Chapter 3 SMS

The Connection Manager allows the standard SMS options as any other mobile devices. The related information, including Contact's name, number, body text and the stored date of each message in the *Inbox, Outbox, Sent* and *Draft* folders will be displayed.

#### Inbox

It contains received messages. Save, Delete or Reply to Inbox messages by highlighting them and pressing the appropriate button. Highlight a message to make it scroll open above. Unread messages are closed envelopes while read messages are opened.

Name         Number         Text         Date           386970071015         Outside now         12/15           386970071015         Meet at 3 pm         12/15           886970071015         Oki understand         12/15           Bases         Save         Save	886970071015       Outside now       12/15         886970071015       Meet at 3 pm       12/15         886970071015       Oki understand       12/15         Reply       Delete         Save       Save					
886970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15           Reply         Delete           Save	886970071015       Meet at 3 pm       12/15         886970071015       Oki understand       12/15         Reply       Delete         Save       Save         From :       886970071015         Received :       12/15/2006 14:12:06         Meet at 3 pm       Exit         Inbox       Sent       Outbox         Compose       Draft         Name       Number       Text         886970071015       Outside now       12/15         886970071015       Outside now       12/15         886970071015       Outside now       12/15         886970071015       Oki understand       12/15         B86970071015       Oki understand       12/15	Name	Number	Text	Date	
886970071015 Oki understand 12/15      Reply      Delete      Save      From : 886970071015      Received : 12/15/2006 14:12:06      Meet at 3 pm	886970071015       Oki understand       12/15         Reply       Delete         Save         From :       886970071015         Received :       12/15/2006 14:12:06         Meet at 3 pm       Exit         Inbox       Sent       Dutbox         Compose       Draft         Name       Number       Text         886970071015       Outside now       12/15         886970071015       Meet at 3 pm       Exit         886970071015       Outside now       12/15         886970071015       Oki understand       12/15         B86970071015       Oki understand       12/15	$\sim$	886970071015	Outside now	12/15	
Reply           Delete           Save	Reply         Reply         Delete         Save         From :       886970071015         Received :       12/15/2006 14:12:06         Meet at 3 pm       Exit         Inbox       Sent       Dutbox       Compose         Dutbox       Sent       Dutbox       Compose       Draft         Name       Number       Text       Date         2       886970071015       Outside now       12/15         3       886970071015       Ok i understand       12/15         Reply       Delete       Delete		886970071015		12/15	
Delete           Save           From :         886970071015           Received :         12/15/2006 14:12:06           Meet at 3 pm         Image: Comparison of the second secon	Delete           Save           From :         886970071015           Received :         12/15/2006 14:12:06           Meet at 3 pm         Exit           Inbox         Sent         Dutbox         Compose           Name         Number         Text         Date           386970071015         Outside now         12/15           386970071015         Oki side now         12/15           B86970071015         Oki understand         12/15           Delete         Delete		886970071015	Ok i understand	12/15	
From : 886970071015 Received : 12/15/2006 14:12:06 Meet at 3 pm	From :         886970071015           Received :         12/15/2006 14:12:06           Meet at 3 pm         Exit           Inbox         Sent         Dutbox         Compose           Inbox         Sent         Dutbox         Compose         Draft           Name         Number         Text         Date           386970071015         Outside now         12/15           386970071015         Oki understand         12/15           B86970071015         Oki understand         12/15					Reply
From : 886970071015 Received : 12/15/2006 14:12:06 Meet at 3 pm	From :         886970071015           Received :         12/15/2006 14:12:06           Meet at 3 pm         Exit           Inbox         Sent         Dutbox         Compose           Inbox         Sent         Dutbox         Compose         Draft           Name         Number         Text         Date           386970071015         Outside now         12/15           386970071015         Oki understand         12/15           B86970071015         Oki understand         12/15					
From : 886970071015 Received : 12/15/2006 14:12:06 Meet at 3 pm	From :       886970071015         Received :       12/15/2006 14:12:06         Meet at 3 pm       Exit         Inbox       Sent       Outbox       Compose         Draft       Name       Number       Text       Date         2       886970071015       Outside now       12/15         2       886970071015       Okt side 3 pm       12/15         2       886970071015       Okt i understand       12/15         Colete       Delete       Exit					Delete
From : 886970071015 Received : 12/15/2006 14:12:06 Meet at 3 pm	From :       886970071015         Received :       12/15/2006 14:12:06         Meet at 3 pm       Exit         Inbox       Sent       Outbox       Compose         Inbox       Sent       Outbox       Compose       Draft         Name       Number       Text       Date <ul> <li>886970071015</li> <li>Outside now</li> <li>12/15</li> <li>886970071015</li> <li>Oki understand</li> <li>12/15</li> <li>Reply</li> <li>Delete</li> </ul>					
Received : 12/15/2006 14:12:06	Received : 12/15/2006 14:12:06         Meet at 3 pm         Exit         Inbox       Sent         Outbox       Compose         Draft         Name       Number         Text       Date         986970071015       Outside now         986970071015       Oktside now         986970071015       Oktside now         12/15       Reply         Delete       Delete					Save
Received : 12/15/2006 14:12:06	Received : 12/15/2006 14:12:06         Meet at 3 pm         Exit         Inbox       Sent         Outbox       Compose         Draft         Name       Number         Text       Date         986970071015       Outside now         986970071015       Oktside now         986970071015       Oktside now         12/15       Reply         Delete       Delete					
	Name         Number         Text         Date           386970071015         Outside now         12/15           686970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15           Belete	Received	: 12/15/2006 14:12:0	26	<u>^</u>	Exit
	886970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15           Reply         Delete	Inbox	Sent V Outbox V	Compose Draft	~	
Name Number Text Date	886970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15           Reply         Delete	Inbox Name		· / /	Date	
	Reply Delete	Name	Number	Text		
M 886970071015 Outside now 12/15		Name	Number 886970071015	Text Outside now	12/15	
886970071015         Outside now         12/15           886970071015         Meet at: 3 pm         12/15           886970071015         Ok i understand         12/15		Name	Number 886970071015 886970071015	Text Outside now Meet at 3 pm	12/15 12/15	Reply
886970071015         Outside now         12/15           886970071015         Meet at: 3 pm         12/15           886970071015         Ok i understand         12/15		Name	Number 886970071015 886970071015	Text Outside now Meet at 3 pm	12/15 12/15	Reply
886970071015         Outside now         12/15           886970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15	Save	Name	Number 886970071015 886970071015	Text Outside now Meet at 3 pm	12/15 12/15	
886970071015         Outside now         12/15           886970071015         Meet at 3 pm         12/15           886970071015         Ok i understand         12/15		Name	Number 886970071015 886970071015	Text Outside now Meet at 3 pm	12/15 12/15	

#### Sent

It contains all successfully sent messages. Highlight a message and press **Delete** to erase it.

## Outbox

It contains completed but unsent messages. Send or Delete messages by highlighting them and pressing the appropriate button.

### Compose

It contains all tools for creating messages. **To:** Contains the Phone Number of the recipient. **Message Body:** Key in the content.

то :			]
Cover f	or me at the meeting.		~
			Send
			Template
			Cancel
		1 Envelope 28/	160

## ... Press to see contact lists.

- SIM Card Contacts
- Outlook Contacts
- 🗡 C32X Contacts

TO :			
Cover for me at th	e meeting.		~
			Send
📩 🛐 🥔			at
👈 🖻 🗳			ati
name	Number	^	
	Number 965578976	^	
Name			ati Select
Name george tom	965578976 437865987		
Name george	965578976		te

Highlight a Contact and click **Select** to choose it. Click **Exit** to return to the Compose screen.

Click Template to view all stored templates, or create/delete one.

Highlight a template and click Select to insert it into the message. Click **New** to create a new template. Click **Save** to add the new template to the list of existing ones. Click **Cancel** to return to the Template list window.

Highlight a template and click Delete to erase it.

Inbox Sent Outbox Compose Draft Draft	-
I am sorry but I will be home late tonight. Cover for me at the meeting. I appreciate your effort in this matter.	Select Cancel
	New Delete

#### Draft

It contains saved but unfinished messages. Highlight a draft and click **Edit** to send the message back to the *Compose* window.

# Chapter 4

# Setting



# <u>Chapter 4</u>Setting

## General

Check Auto connect on startup to have the C32X connect to the internet automatically during startup.

Auto connect on startup		
	Save	
anguage		
English - United States (1)		

## Language

The Connection Manager offers multi languages interface. To choose a language, click the menu to highlight and select a language. Click **Save** to implement the chosen language. The Connection Manager will then return to the Home Screen with the chosen language.

## SMS

## Preference

New SMS Notify: Check to be notified when a new text message arrives. If enabled, the Toolbar Connection Manager Icon will change to an Envelope Icon. An envelope icon will also appear in the upper left corner of the Home screen when a new message arrives.

## **SMS Service Center**

Use default number in phone: Uncheck to manually input service center number.

Click Save after making any changes.

General SIM SIM Radio Network	\
Preference Vew SMS Notify	Save
SMS Service Center	
Use default number in phone	

## SIM

Enable/Disable or change the SIM card Personal Identification Number (PIN). Press **Apply** after making any changes. A SIM card must be inserted for this function to be activated.

inable/Disable		
🗹 Enable PIN		
Current PIN	••••	Apply
Change PIN code		
New PIN		
Confirm PIN		Apply

If a PIN code is enabled, it will be asked during SIM card initialization. After 3 incorrect PIN code entries, the SIM card will be locked. Contact your operator to unlock it.



## Radio

Dual Mode- Features various network search options. Note that 3G (including 3.5G) First is the default setting.

General SMS SIM Radio Network	
Dual Mode	Apply
• 3G (including 3.5G) First	
2G Only	

After making changes to either, click **Apply**.

Notice: 2G/3G/3.5G data transferring will be disconnected when you apply new "Radio" setting.

## Network

## **Network Selection**

Standard (auto) Search for networks in the order specified in the *Prefer* list. Click Standard (auto) > Next to view and adjust the *Prefer* list.

∕ General ∑ SMS ∑ SIM ∑ Radio ∑ <mark>Network</mark>	
Network selection	
Standard(auto)	Next
O Manual	

The top list is the *Prefer* list; the bottom lists all available networks. Click **Scan** to bring up the list of all available networks.

In the *Prefer* list, highlight a network and click the up arrow to the left to move it up the list (increase its preference); clicking the down arrow does the opposite. Clicking the red icon removes the highlighted network from the *Prefer* list.

In the bottom list, highlight a network and click the up arrow above to move that network to the *Prefer* list.

## Chapter 4 Setting



If changes are made, click Save.

#### Manual

Choose a network from all the available. Click **Manual** > **Next** to see the list. Highlight a network and click **Select**. If no change is needed, click **Cancel**.

Note that  $\ensuremath{\text{Network}}$  can only be accessed when the C32X is not connected to a network.

/ General $ angle$ SMS $ angle$ SIM $ angle$ Radio	Network
Network TWN (46697) Far EasTone (4 Far EasTone (4 CHT (46692)	

## **Chapter 5**

# **Statistics & Information**



## Chapter 5 Statistics & Information

## **Statistics**

The *Statistics* screen displays a graph of recent upload and download activities. If there is no data shown, the C32X is disconnected. Click **Menu > Statistics**.



Time: Elapsed Connection Time

- Returns to zero upon disconnection
- Reset does not affect it
- Max: Maximum Throughput

Download: Current Downloading Throughput

Upload: Current Uploading Throughput

Click **Reset** to end the current graphs and start over. This will not affect the actual connection.

## **Connection log**

Click Menu > Statistics > Connection log to see data counting by each connection status and accumulated connection status



Each data counting

- DateTime: The date and time of connection log
- Operator: Telecom network operator
- Download(KB): Downloaded Throughput
- Upload(KB): Uploaded Throughput

Accumulated data counting

- Download: Total Downloaded Throughput
- Upload: Total Uploaded Throughput

Click **Reload** to reload the latest data information. Click **Clear** to clear all data counting information

\* The data counting here is only for reference, please check operator for real data throughput if any.

## Information

The *Information* screen offers version or signal specifications. Click **Menu > Information**.

#### About

Click Menu > Information > *About* tab to see version data. *IMEI:* International Mobile Equipment Identity number *Version:* Connection Manager Software Version *F/W Version:* Firmware Version

About USSD STK			
IMEI : 004401590000000			
Version : 1.02.004 Build004 Jul 31 2009	F/W Version :	135040_001_009 Jul 29 2009	
Connection © 2006 Bar All Rights n	ndRich Inc.		

### USSD

Click the **USSD** tab. If service provider supports USSD, enter the supporting USSD code and press "Send". After a while, it will receive some SMS from service provider.

/	About USSD STK	
	Service Code: *147#	Send
	Accepted	<
		~

## STK

If the Sim card supports STK, it will display STK menu after clicking **STK** tab. Key-in the "item No." from the menu, then press "**OK**" to enter the selected menu. " $\leftarrow$ " is to return to the previous layer and "**Menu**" is to return to the root layer.

About USSD STK	
Layanan Data 1: MyInfo 2: Ringtones 3: Picture 4: Horoscope 5: Shio Says	OK <-
3 Layanan Data 1: MyInfo 2: Ringtones 3: Picture 4: Horoscope 5: Shio Says	OK <-

## **Chapter 6**

# Q&A



## Chapter 6 Q&A

Q: Why does the Home screen display No Device?



- A: Make sure that the C32X is plugged in/inserted correctly. If it is, and No Device is still displayed, check the LED.
- If the LED is not lit, the problem could be:
- The USB port is not activated. Check the Device Manager.

#### Q: The Home screen is stuck on Initial SIM Card, what should I do?

- A: Replug/reconnect the C32X . If this does not work, restart the computer. If reconnection doesn't make the C32X activate, check the SIM card, which may have a poor connection or be locked.
- Q: The SIM card is working, so why can't the C32X make a connection?



A: Check the profile information; click Menu > Profile. See Chapter 2 for details.

If profile setting is in order, the radio or network setting may need adjustment. Click Menu > Setting. See Chapter 4 for details. If Radio and Network settings are in order, please check the signal strength indicator in the upper left corner of the Connection Manager.

## Q: How do I import contacts into the Connection Manager?

#### A: Click Menu > Contacts >



<u>Q-</u> - Import from Outlook.

Import from the C32X Contacts folder.

## Q: Connection Manager asks for PIN code after disabling sim-lock function. What should I do?

Enter the default PIN code "0000". A:

#### Q: Can I prevent others from using my C32X ?

A: Yes. Click Menu > Setting > SIM to enable or change the SIM card PIN code.

Enable/Disable		
Enable PIN		
Current PIN	•••••	Apply
Change PIN cod	ke	
New PIN		
Confirm PIN		and

#### Q: Why do some SMS text symbols display incorrectly on the receiving phone?

A: This is related to the different decoding schemes used by various mobile phones. Known problem symbols include: ~! @ #\$%^&\*()\_+`-={}|:"<>?[]\;',./

### **Q: The Install Shield Wizard does not** automatically pop-up when I first plug in the C32X, what should I do?

A: In My Computer, right click on the drive with the Connection Manager icon and select AutoPlay. This should initiate the Install Shield Wizard.



BANDLUXE C32X (H:)

## 20 Chapter 6 Q&A

## Q: My computer cannot boot with the C32X connected. Why?

**A:** As discussed in Chapter 1, during installation the C32X is displayed in *My Computer* as a portable storage device.



The computer treats the C32X as if it were a CD drive. Therefore, your computer may be trying to boot from it, as if it were expecting a Boot CD. Disconnect the C32X before booting.

## Q: How do I view the .pdf Quick Start Guide and User Manual?

- A: Click Start > Programs > BandLuxe > BandLuxe HSDPA utility R11 and choose either document. Both files require Adobe Acrobat 6.0+.
- Q: The Connection Manager is having troubles running on Vista. What should I do?



A: You may have a problem with Vista's user control functions.

- 1. Open the Connection Manager folder.
- 2. Right click CManager.exe > Properties > Compatibility tab.
- 3. Check Run this program as an administrator.



4. Click Apply > OK.

## Q: What microSDHC<sup>™</sup> card tested in the BandLuxe C32X?

A: BandLuxe C32X have microSDHC reader and support up to 16GB microSDHC cards. Due to the availability of microSDHC cards, we recommend SanDisk microSDHC cards.

**Chapter 7** 

# Important Safety Information and Glossary



## <u>Chapter 7</u>Important Safety Information and Glossary

## **Safety Information**

#### **Important Notice**

Due to the transmission and reception properties of cellular communications, data can occasionally be lost or delayed. This can be due to the variation in radio signal strength that results from changes in the characteristics of the radio transmission path.

Although data loss is rare, the environment where you operate the C32X may adversely affect communications. Variations in radio signal strength are referred to as fading. Fading is caused by several different factors including signal reflection, the ionosphere, and interference from other radio channels.

BandRich Inc. or its partners will not be held responsible for damages of any kind resulting from the delays or errors in data transmitted or received by the BandLuxe C32X or failure of the BandLuxe C32X to transmit or receive such data.

BandLuxe<sup>™</sup> is a registered trademark of BandRich Inc.

### **Potential Hazards**

Do not operate the BandLuxe C32X in an environment that may be susceptible to radio interference resulting in danger; specifically:

#### Areas where prohibited by the law.

 Follow any special rules and regulations and obey all signs and notices. Always turn off the host device and remove the C32X from the card slot when instructed to do so, or when you suspect that it may cause interference or danger.

#### Where explosive atmospheres may be present.

- Do not operate your C32X in any area where a potentially explosive atmosphere may exist. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Be aware and comply with all signs and instructions.
- Users are advised not to operate the C32X while at a refueling point or service station. Users are reminded to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.
- Areas with a potentially explosive atmosphere are often but not always clearly marked. Potential locations can include gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

#### Near Medical and life support equipment.

Do not operate your C32X in any area where medical equipment, life support equipment, or near any equipment that may be susceptible to any form of radio interference. In such areas, the host communications device must be turned off. The C32X may transmit signals that could interfere with this equipment.

#### On an aircraft, either on the ground or airborne.

In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Please ensure that the host device is turned off and your C32X is removed from the card slot prior to boarding aircraft in order to comply with these regulations. The C32X can transmit signals that could interfere with various onboard systems and controls.

#### While operating a vehicle.

The driver or mobile network operator of any vehicle should not operate a wireless data device while in control of a vehicle. Doing so will detract from the driver or mobile network operator's control and operation of that vehicle. In some countries, operating such communications devices while in control of a vehicle is an offense.

## Regulations

#### **CE Marking**

This device has been tested to and conforms to the regulatory requirements of the European Union and has attained CE Marking. The CE Mark is a conformity marking consisting of the letters "CE". The CE Mark applies to products regulated by certain European health, safety and environmental protection legislation. The CE Mark is obligatory for products it applies to: the manufacturer affixes the marking in order to be allowed to sell his product in the European market.

This product conforms to the essential requirements of the R&TTE directive 1999/5/EC in order to attain CE Marking. A notified body has determined that this device has properly demonstrated that the requirements of the directive have been met and has issued a favorable certificate of expert opinion. As such the device will bear the notified body number 0678 after the CE mark.

The CE Marking is not a quality mark. Foremost, it refers to the safety rather than to the quality of a product. Secondly, CE Marking is mandatory for the product it applies to, whereas most quality markings are voluntary.

Marking: The product shall bear the CE mark, the notified body number(s) as depicted to the right. CE 0678.

## 15.21 Federal Communications Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

## 15.105(b) Federal Communications Commission (FCC) 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 or more of the following measures:

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

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

## Operation is subject to the following two conditions:

- 1) this device may not cause interference and
- this device must accept any interference, including interference that may cause undesired operation of the device.

## Chapter 7 Important Safety Information and Glossary

## FCC RF Radiation Exposure Statement:

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.4 centimeters between the radiator and your body

SAR compliance has been established in a laptop computer with side USB port configuration as tested in this filing, and can be used in laptop computers with substantially similar physical dimensions, construction, and electrical and RF characteristics. Compliance of this device in all final host configurations is the responsibility of the Grantee. End-users must be provided with specific information required to satisfy RF exposure compliance for all final host devices.

Max. SAR levels: 0.866 mW/g (1g) in avoid of radio interference, please do not use this device close to another transmitters.

## **Specifications**

#### System Requirements

Operating System: Windows 7, Windows Vista, Windows XP SP2+,

Web Browser: Internet Explorer 6.0+

#### **LED Indicators**

Color	Indicator	Flashing	Solid	
Off	Not Connected	NA	NA	
Red 🛑	SIM Card/Service	No coverage/ still searching	Error (SIM card missing, failed verification)	
Green 🔵	WCDMA	Available	Connected	
Blue 🔵	HSDPA/HSUPA/HSPA+	NA	Connected	
Pink/Purple	GPRS/EDGE	Available	Connected	

#### Hardware

Dimensio Weight:	ns:			4 mm Typical	(USB dongle)
weight.		30	y		
Onboard	Memory:	12	8 MB N/	AND Flash	
GSM Bar	nds:	85	0, 900, 1	800, 1900	
UMTS Bands:					
	C320		C321	C323	C325
UMTS	850/90	0		2100/1700	AWS
Band	/1900/21	00 2100		/1900/800	/2100
Environment					
Operation Temperature			Э	0°C	to 55°C (32°F to 131°F)
Storage Temperature				-20 <sup>°</sup>	C to 65°C (-4°F to 149°F)

## Connectivity

Internet:	NDIS
Data Speed in bps:	Downlink:21/28 Mbps (Max) Uplink: 5.76 Mbps
IP Settings:	APN, DNS, DHCP vs. Static, Radius

## Glossary

**2G:** Second-generation mobile networking technology. Represents a switchover from analog to digital; most 2G networks use GSM.

**3G:** Third-generation mobile networking technology that enables simultaneous transfer of voice and non-voice data; most 3G networks use WCDMA.

**3.5G/ HSPA:** A more recent standard of mobile networking technology; generally uses HSDPA and HSUPA

APN (Access Point Name/Network): Provides GPRS routing information. Consists of:

Network ID: Identifies the external service requested by a GPRS user.

Mobile network operator ID: Specifies routing information.

**ARFCN (Absolute Radio Frequency Channel Number):** The specific ID numbers for all radio channels used in cellular mobile communications.

bps (bits per second): How data flow is measured.

**DNS (Domain Name System):** Helps route network traffic by making the addressing process more user-friendly.

**DHCP (Dynamic Host Configuration Protocol):** How devices obtain IP addresses from a server.

EDGE (Enhanced Data GSM Environment/Enhanced Data for Global Evolution): Advanced GPRS that delivers multimedia and other data needing greater bandwidth at up to 237 kbps.

GPRS (General Packet Radio Service): Delivers data in packets at up to 86 kbps.

**GSM (Global System for Mobile Communications):** The most popular cellular network, mostly operates in 850-900 or 1800-1900 MHz; the primary 2G system.

**IMEI (International Mobile Equipment Identity):** A number unique to each GSM/UMTS device that can be used block network access by a stolen mobile device.

IP (Internet Protocol): Routes packets over a network.

HSDPA (High Speed Downlink Packet Access): Advanced WCDMA that delivers downlink bandwidth intensive data at up to 7.2Mbps; typically associated with 3.5G.

**HSUPA (High Speed Uplink Packet Access):** Advanced WCDMA that delivers uplink bandwidth intensive data at up to 5.76Mbps; typically associated with 3.75G.

**HSPA+ (High Speed Packet Access evolution):** Advanced HSPA that delivers uplink bandwidth intensive data over 14.4 Mbps..

Kbps (Kilobits per second): A data flow measure; 1024 bits/second.

LAN (Local Area Network): A data network with limited range but good bandwidth.

Mbps (Megabits per second): A data flow measure; 1,048,576 bits/second.

NDIS (Network Driver Interface Specification): a Windows device driver interface that enables a single network interface card to support multiple network protocols.

PPP (Point-to-Point Protocol): An internet connection method.

PIN (Personal Identity Number): Four to eight digital numbers SIM card security code; allows access to the carrier's network.Rx: Shorthand for *Reception*.

**SIM (Subscriber Identity Module):** A small card that contains key mobile device identification, subscription and contact information.

SMS (Short Messaging Service): Allows text messages of up to 160 characters.

**Tx:** Shorthand for *Transmission*.

UMTS: Universal Mobile Telecommunications System is one of the third-generation (3G) cell phone technologies

WCDMA (Wideband Code Division Multiple Access): Advanced EDGE that supports 384kbps data flow. Most 3G networks use this standard; aka UMTS.