

**Bloomberg**

**BLOOMBERG PERSONAL  
AUTHENTICATION DEVICE  
(B-UNIT 2)**

User Guide

25 February 2010

Version: 1.00

# Bloomberg

## Overview

The B-Unit™ 2 is a credit card sized device designed to ensure the identity of a BLOOMBERG ANYWHERE user when logging on. The device will allow for secure access to a user's account at both configured (desktop) and non-configured (internet based) terminals.

Each B-Unit 2 is registered to a particular BLOOMBERG ANYWHERE user's account and finger image. Logging in consists of activating the device with a valid finger scan, and getting a session ID from the terminal display using Bloomberg's Screen-Sync technology to create a unique login code.

## Features

- The B-Unit 2 is a very compact and portable device.
- The B-Unit 2 can be used with both configured (desktop) and non-configured (internet-based) Bloomberg terminals.
- The integrated biometric sensor ensures that only the registered BLOOMBERG ANYWHERE user can use the B-Unit 2 device to login.
- The B-Unit 2 LCD displays login status information.
- During the Screen-Sync operation, the B-Unit 2 receives data via an integrated light sensitive photo-diode.
- The B-Unit 2 has an average usage lifespan of 2 years.

## B-Unit 2 Specifications

Properties	Dimensions		
	Height	3.34 in.	85mm
	Width	2.09 in.	53mm
	Thickness	0.16 in.	4mm
	Weight	1.23 oz.	35g
Liquid Crystal Display			
	Height	0.49 in. / 12.5mm	
	Width	0.99 in. / 25.2mm	
	Resolution	46 x 16 pixels	
Battery Supply			
	Type	Lithium polymer cell	
	Output	DC 3.7V	
	Life Expectancy	2 year	

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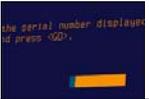
## B-Unit™ 2



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## Account Setup and Enrollment

When you first receive the B-UNIT™ 2 you will be required to go through a short procedure to register the device with your account and to enroll your finger image with the device.

1		<b>Contact your account representative to have your account settings configured to use the B-Unit™ 2.</b>
2		Open the Bloomberg Professional application and press the DFLT key to bring up the login screen. Enter your username and password and press <GO>.
3		You will be directed to a screen that instructs you to setup your B-Unit 2. Press <PG FWD>.
4		Enter the eight-digit serial number located on the backside of the B-Unit 2 device and press <GO>. You will be directed to a flashing screen. NOTE: The screen will flash until you have completed step 9. There is not a time restriction on completing the enrollment process.
5		Turn on the B-unit 2 by pressing and holding the power button. The LCD will show "Bloomberg" then "Reset Mode", then "Ready to Sync".
6		Hold the B-Unit 2 light sensor, which is located on the back corner of the B-Unit 2, a maximum of six inches away from the flashing rectangle that appears on the Bloomberg terminal window. When the screen sync is complete the B-Unit 2 will display "Device Cleared" NOTE: You may need to hold the B-Unit 2 closer than six inches from the flashing rectangle, depending on the light output of your monitor.
7		Select a finger to use with the B-Unit 2. When prompted by the B-Unit 2 by "Swipe Finger" on the LCD, swipe your selected finger downward across the sensor. You will be prompted to swipe you finger several times. <b>NOTE:</b> You have only 45 seconds to complete the finger enrollment process. If the unit times out, power on the unit again and repeat the procedure from step 5.
8		If enrollment is successful the LCD will display "Enroll Valid". If you fail to enroll repeat from step 5.  A four-character code will appear on the B-Unit 2 LCD screen.
9		Enter this code in the space provided on the Bloomberg terminal and press <GO>.
10		You have successfully enrolled and registered your B-Unit 2. Press the DFLT key and continue to "Logging In".

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## Logging In

Once you have enrolled and registered your B-Unit™ 2, you will be configured to use the B-Unit 2 at login. Screen Sync will be the primary method to login and it consists of obtaining a special code from a flashing rectangle and entering a valid code in the Bloomberg terminal window. If you are experiencing issues with Screen Sync, contact Bloomberg 24 hour customer support. The login procedures for both configured (desktop) and non-configured (internet-based) terminals are almost identical.

- Configured (desktop) Press the red DFLT key to bring up the BLOOMBERG PROFESSIONAL service login screen.
- Non-configured (internet based) Go to <https://bba.bloomberg.net> in an internet browser.

The B-UNIT 2 has two modes of operation: **Screen Sync** and **Token modes**.

1		Enter your username and password on the login screen and press <GO>
2		Turn on your B-Unit 2 by pressing and holding the power button until the LCD displays "Bloomberg".
3		Swipe the tip of your enrolled finger downward across the sensor. If verification is successful the LCD will display "ID Valid", then "Ready to Sync".
4		Hold the B-Unit 2 light sensor, which is located on the back corner of the B-Unit 2, a maximum of six inches away from the flashing rectangle that appears on the Bloomberg terminal window. <b>NOTE:</b> You may need to hold the B-Unit 2 closer than six inches from the flashing rectangle depending on the light output of your monitor.
5		A few moments later a four-character code will appear on the B-Unit 2 LCD screen.
6		Enter this code in the space provided on the Bloomberg terminal and press <GO> to login to your account.

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## Finger Swiping Tips

1		Line up the first crease of your finger with the center of the sensor. You should feel the locator dimple at the center of the tip of your finger.
2		Make sure your finger is straight along the center of the B-Unit™ 2 and that you swipe in a straight line downward over the sensor.
3		Start with your finger parallel to the top of the B-Unit 2. As you swipe downward rotate your hand so that the tip of your finger remains in contact with the sensor.

## Other Functions

### Power Down

The B-Unit™ 2 will turn itself off after a period of time of inactivity. To manually power down the B-Unit 2, press and hold the power button for three seconds.

If you should need to re-enroll on the B-Unit 2 with another finger, please contact Bloomberg technical support.

### Charging

The B-Unit™ 2 device can only be charged at Bloomberg L.P. or its manufacturing sub-contractor locations.

### Returning the B-Unit 2

If you need to return the B-Unit 2 to Bloomberg please visit [www.Bloomberg.com/found](http://www.Bloomberg.com/found), or call Bloomberg's RMA offices at:

212-647-6535 (NY), 877-830-6100 (US), +44-20-7330-7313 (Int'L), or for 24 hour global support call +1-212-318-2000, +44-20-7330-7500, +65-6212-1000 or +81-3-3201-8900

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## Approvals

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:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult Bloomberg or an experienced radio/TV technician for help. This Class B digital apparatus meets all requirements of the Canadian interference-causing equipment regulations.



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## Transportation

We hereby confirm that the products contained herein:

Article: B-unit 2

Type no. containing Lithium Polymer Cell battery – Varta p/n PLF 263441

Have been proven to be non-dangerous by testing in accordance with the UN Manual of Tests and Criteria, Part 111, subsection 38.3, and comply to the following special provisions of international transport regulations:

- IATA: Special Provision A45
- DOT / 49 CFR: Provision 173.185

## Warnings

### **! WARNING !**

- Do not incinerate or expose B-UNIT™ 2 to temperatures in excess of 140°F/60°C. Do not place battery in or near fire, on stove or other high temperature locations, or inside cars in hot weather.
- Do not open, puncture, crush, disassemble or subject B-UNIT 2 to physical abuse.
- B-UNIT 2 contains a lithium battery. If exposed to abusive conditions, battery may get hot, explode or ignite and cause serious injury. Do not attempt to remove, replace or recharge battery.
- Immediately discontinue use and contact Bloomberg if B-UNIT 2 emits an unusual smell, changes color or shape, or appears abnormal in any other way.

### **! PHOTSENSITIVE SEIZURE WARNING !**

- A small number of people may experience a seizure when exposed to certain visual images, such as a flashing light. Even people who have no history of seizures or epilepsy may have an undiagnosed condition that can cause these seizures.
- These seizures may have a variety of symptoms, including lightheadedness, altered vision, shaking, eye or face twitching, disorientation, confusion or convulsions. If you experience any of these symptoms while using your B-Unit 2, immediately stop using it and consult a doctor.

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key twice for instant  
live assistance.

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