

Bloomberg

Bloomberg Personal Authentication Device (B-Unit) User Guide

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Version: 1.8

Overview

The B-Unit 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 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 patent pending Screen-Sync technology to create a unique login code.

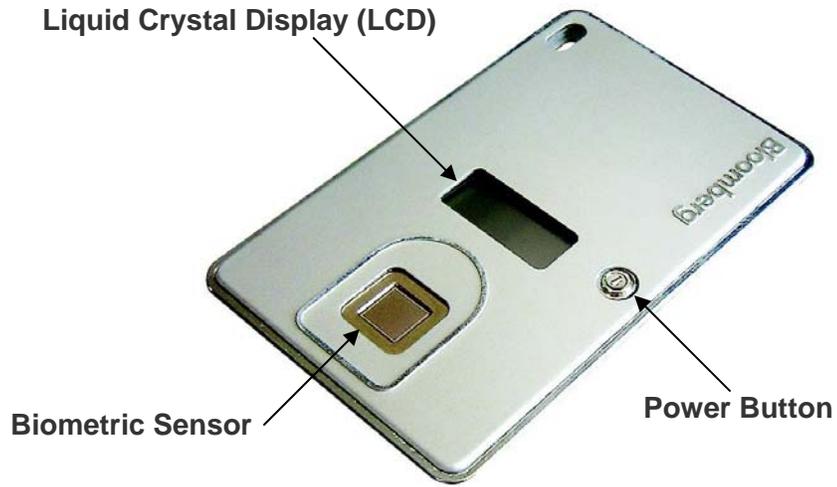
Features

- The B-Unit is a very compact and portable device.
- The B-Unit 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 device to login.
- The B-Unit LCD displays login status information.
- During the Screen-Sync operation, the B-Unit receives data via an integrated light sensitive photo-diode.
- The B-Unit has an average usage lifespan of 2 years.

B-Unit 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	
Bloomberg Secure Access Technology Device			
	Device Properties	Height	Width
	Drive Ring	0.55 in. / 14mm	0.55 in. / 14mm
	Sensor Matrix	0.28 in. / 7.2mm	0.28 in. / 7.2mm
	Resolution	500 PPI resolution	
Photodiode			
	Peak Sensitivity Wavelength	560nm	
	Operating Temperature	-20 to 60 °C	
Infrared Port			
	Transmission Speed	115 kbps	
	Effective Operating Distance	1.64 ft. / 0.5 m	
	Effective Operating Angle	Within 15°	
Embedded Processor			
	Processor Type	Proprietary Bloomberg processor	
	Processor Speed	12 MHz	
Battery Supply			
	Type	Lithium polymer cell	
	Output	DC 3.7V	
	Life Expectancy	2 year	

B-Unit Components

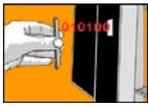
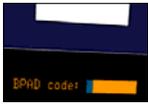


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Account Setup and Enrollment

When you first receive the B-Unit 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		Contact your account representative to have your account settings configured to use the B-Unit.
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. Press <PG FWD>.
4		Enter the eight-digit serial number located on the backside of the B-Unit 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 by pressing and holding the B-unit power button until the LCD displays "Reset Mode"
6		Hold the B-Unit light sensor, which is located on the back corner of the B-Unit, a maximum of six inches away from the flashing rectangle that appears on the Bloomberg terminal window. NOTE: You may need to hold the B-Unit closer than six inches from the flashing rectangle, depending on the light output of your monitor.
7		Place the desired finger on the B-Unit finger sensor when the LCD prompts you to "Present Finger". You will be prompted to remove and place your finger on the sensor several times. Lift your finger and place your finger on the sensor when prompted. NOTE: 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.
9		A four-character code will appear on the B-Unit LCD screen.
10		Enter this code in the space provided on the Bloomberg terminal and press <GO>.
11		You have successfully enrolled and registered your B-Unit. Press the DFLT key and continue to "Logging In".

Logging In

Once you have enrolled and registered your B-Unit, you will be configured to use the B-Unit 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 having 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 <CONN DFLT> key to bring up the Bloomberg Professional login screen.
- Nonconfigured (internet based): Go to <https://bba.bloomberg.net> using an Internet browser.

Screen Sync Mode

1		For Configured, press the red <CONN DFLT> key to bring up the Bloomberg login screen, for Non-configured, go to https://bba.bloomberg.net using an Internet browser. Enter your username and password and press <GO>.
2		Turn on your B-Unit by pressing and holding the power button until the LCD displays "Bloomberg".
3		Place your enrolled finger on the B-Unit finger sensor when the LCD prompts you to "Present Finger".
4		Remove your finger when the B-Unit LCD displays "ID Valid".
5		Hold the B-Unit light sensor, which is located on the back corner of the B-Unit, a maximum of six inches away from the flashing rectangle that appears on the Bloomberg terminal window. NOTE: You may need to hold the B-Unit closer than six inches from the flashing rectangle depending on the light output of your monitor.
6		A few moments later a four-character code will appear on the B-Unit LCD screen.
7		Enter this code in the space provided on the Bloomberg terminal and press <GO> to login to your account.

Other Functions

Power Down

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

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Reset Mode

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

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.

Warnings!

Warnings



DISPOSAL OF WASTE EQUIPMENT BY USERS IN THE EUROPEAN UNION. This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste.

- Do not incinerate or expose B-Unit to temperatures in excess of 140 F/45 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 to physical abuse.
- B-Unit contains a lithium battery. If exposed to abuse 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 emits an unusual smell, changes color or shape, or appears abnormal in any other way.

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Photosensitive 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, immediately stop using it and consult a doctor.

Charging

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

Transportation

We hereby confirm that the products contained herein:

Article: B-unit

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

Returning the B-unit

If you need to return the B-unit to Bloomberg please visit 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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