

USB Bluetooth 2.0 Adapter

with *Bluetooth*[®] Wireless Technology

Model Number: 8550-00026 A

User's Guide



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Other than the above, Socket Communications can assume no responsibility for anything resulting from the application of information contained in this manual.

Socket Communications requests that you refrain from any applications of the Class 1 USB Adapter that are not described in this manual. Socket Communications also requests that you refrain from disassembling the product. Disassembly of this device will void the product warranty.

You can track new product releases, software updates and technical bulletins by visiting Socket's website at: www.socketmobile.com.

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1 | Introduction

The Class 1 USB Adapter with Bluetooth Wireless technology is a mobile USB-to-AC adapter to form a *Bluetooth* beacon.

System Requirements

- USB-to-AC adapter

Product Registration

Socket highly recommends that all customers register their Socket products. Registered users receive the following benefits:

- Priority for technical support
- Special offers for future products and product upgrades
- The latest new product information

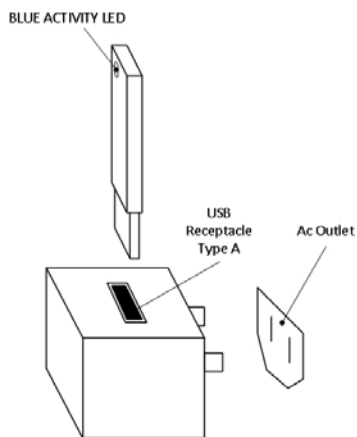
To register your product online, visit: www.socketmobile.com/prodreg



2 | Installation Instructions

STEP 1: Insert into USB-to-AC Adapter

Insert the USB Bluetooth 2.0 Adapter into the USB port of a USB-to-AC Adapter as shown.



STEP 2: Insert into Wall Outlet

Insert the combined unit into an AC wall outlet. The LED will turn orange to indicate that the USB Adapter is on.

Appendix A

Specifications

Physical Characteristics:

L x W x H: 2.7 x 0.79 x 0.34 inches (69 x 20 x 8.6 mm)

Weight: 0.39 oz (11 g)

Power Consumption:

Requirement: 5 VDC

Maximum: 200 mA (normal operation)

Environmental Conditions:

Operating Temperature: 0 to +45° C (ambient)

Storage Temperature: -20 to +45° C (ambient)

Operating Humidity: 90% maximum (non-condensing)

Storage Humidity: 90% maximum (non-condensing)

Bluetooth Characteristics

Frequency Range: *Bluetooth* 2.45 GHz ISM band

RF Technology: Frequency Hopping Spread Spectrum (FHSS)

Antenna: Integrated

Radio Range: Up to 300 ft (100 m), depending on environment

Data Rate: Up to 723.2 Kbps

Sensitivity: -77 dBm (typical)

Selectable channels: 79

Output Power: 13.5 dBm (maximum)

Connection: Point-to-point and point-to-multipoint

Security: Data encryption up to 56 bits

Interface: USB 1.1

Certification/Compliance

FCC Part 15 Class B

Industry Canada

Bluetooth 2.0

Appendix B

Safety and Usage Tips

About *Bluetooth* and Health

Bluetooth wireless technology allows you to use short-range radio signals to connect a variety of devices, such as mobile phones, Pocket PCs, notebook computers, printers, LAN access points, and many other devices at home or work. These radio signals replace the cables that have traditionally connected these devices.

Bluetooth enabled products have small radio transmitters and receivers. Output power is normally very low. This gives a working range of approximately 100 meters.

The maximum exposure levels from *Bluetooth* enabled products are far below recommended safety guidelines. At most, typical *Bluetooth* enabled devices (1 mW) reach only one percent of the prescribed safety levels.

Product Care

- Do not expose your product to liquid, moisture or extreme humidity.
- Do not expose your product to extreme high or low temperatures.
- Do not expose your product to lit candles, cigarettes, cigars, open flames, etc.
- Do not drop, throw or try to bend the product, as rough treatment could damage it.
- Do not paint your product, as the paint could obstruct parts and prevent normal use.
- Do not attempt to disassemble your product: a broken warranty seal will void the warranty. The product does not contain consumer serviceable components. Should your Class 1 USB Adapter need service, please contact Socket technical support at:
www.socketmobile.com/support/support/.
- Treat your product with care. Keep in a clean and dust-free place.
- Changes or modifications of this product, not expressly approved by Socket, may void the user's authority to operate the equipment.

Antenna Care

Do not place a metallic shield around your adapter since it will reduce the radio transmission efficiency.

Efficient Use

For optimum performance, please make sure that there is no metal surrounding your adapter.



Driving

RF energy may affect some electronic systems in motor vehicles, such as car stereo, safety equipment, etc. Check with your vehicle manufacturer's representative to be sure that your adapter will not affect the electronic system in your vehicle.



Aircraft

- Unplug the Class 1 USB Adapter before boarding any aircraft.
- To prevent interference with communications systems, you must not use your Class 1 USB Adapter while the plane is in the air.
- Do not use it on the ground without permission from the crew.

Radio Frequency Exposure

Your Class 1 USB Adapter is a radio transmitter and receiver. When in operation, it communicates with other *Bluetooth* enabled devices by receiving and transmitting radio frequency (RF) magnetic fields in the frequency range 2400 to 2500 MHz. The output power of the radio transmitter is 13.5 dBm.

You should keep your Class 1 USB Adapter at least 20 cm away from your body during use.

The Class 1 USB Adapter is designed to be in compliance with the RF exposure limits set by national authorities and international health agencies when installed or used separately from other antennas or radio transmitters.

Appendix C

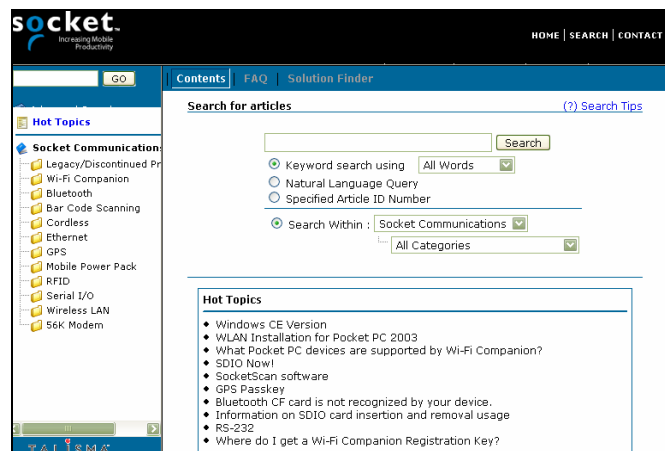
Technical Support

If you have trouble installing or using the Class 1 USB Adapter, Socket has two resources to help you:

Socket Online Support

Socket Online Support is an interactive technical support program that provides immediate service and is the best place to start for technical support. To access SOS, visit:

www.socketmobile.com/support. Click on the SOS icon.



Live Technical Support

IMPORTANT! To obtain technical support, you must first register your product online at www.socketmobile.com/support/support/new.

After product registration, log in and click on the Technical Support tab. Click Submit New Ticket to enter an online request for technical support. Afterwards, you can log in any time to track the status of your request. If we are unable to resolve your support inquiry online, we can arrange for a representative to call you at a specific time.

Please refrain from disassembling the modem. Disassembly of this device will void the product warranty

Limited Warranty

Socket Communications Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase.

Incompatibility is not a defect covered by Socket's warranty. During the warranty period, Socket will, at its option, repair or replace the defective product at no charge when furnished with proof of retail purchase, provided that you deliver the product to Socket or to an authorized Socket Service Center.

The returned product must be accompanied by a return material authorization (RMA) number issued by Socket or by Socket's Authorized Service Center. If you ship the product, you must use the original container or equivalent and you must pay the shipping charges to Socket. Socket will pay surface shipping charges back to any location in the contiguous United States. This warranty applies only to the original retail purchaser and is not transferable.

Socket may, at its option, replace or repair the product with new or reconditioned parts and the returned product becomes Socket's property. Socket warrants the repaired or replaced products to be free from defects in material or workmanship for ninety (90) days after the return shipping date, or for the remainder of the original warranty period, whichever is greater.

This warranty does not cover the replacement of products damaged by abuse, accident, misuse or misapplication, nor as a result of service or modification other than by Socket.

SOCKET IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or the exclusion or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This product may contain fully tested, recycled parts, warranted as if new.

For warranty information, please visit: www.socketmobile.com/support

Regulatory Compliance

Federal Communication Commission Interference 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 instruction manual, 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 on or off, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient 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 the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

FCC ID: LUBUSB-2I

Industry Canada Statement

This device complies with RSS-210 of the Industry Canada Rules.

Operation is subject to the following two conditions:

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

IMPORTANT NOTE:**IC Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with IC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

Canada Certification

The marking of “IC:2529A-USB2I” on the device means: “2529A-USB2I” is the certification number, and the term “IC” before the equipment certification number only signifies that Industry Canada technical specifications were met.

Radio Frequency Interference Requirements – Canada

This Class B digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la Classe B respecte toutes les exigences du Reglement sur le Matériel Brouilleur du Canada.

Product Disposal:

Your device should not be placed in municipal waste. Please check local regulations for disposal of electronic products.



