BluePro™ Model 510 Bluetooth Cash Drawer Interface Adapter User's Guide

BluePRO™ Model 510 Bluetooth External Device

Product Specification – Part Numbers and Descriptions

APG Part Number	Description
BA-0510-0101A-02	BluePRO™ Model 510 Bluetooth Interface Adapter for Direct Drive Printer-Kick Cash Drawer with CD-101A Cable and USA power adapter
BA-0510-0102A-02	BluePRO™ Model 510 Bluetooth Interface Adapter for Direct Drive Printer-Kick Cash Drawer with CD-102A Cable and USA power adapter
BA-0510-0101A-03	BluePRO™ Model 510 Bluetooth Interface Adapter for Direct Drive Printer-Kick Cash Drawer with CD-101A Cable and Multi-Country power adapter
BA-0510-0102A-03	BluePRO™ Model 510 Bluetooth Interface Adapter for Direct Drive Printer-Kick Cash Drawer with CD-102A Cable and Multi-Country power adapter

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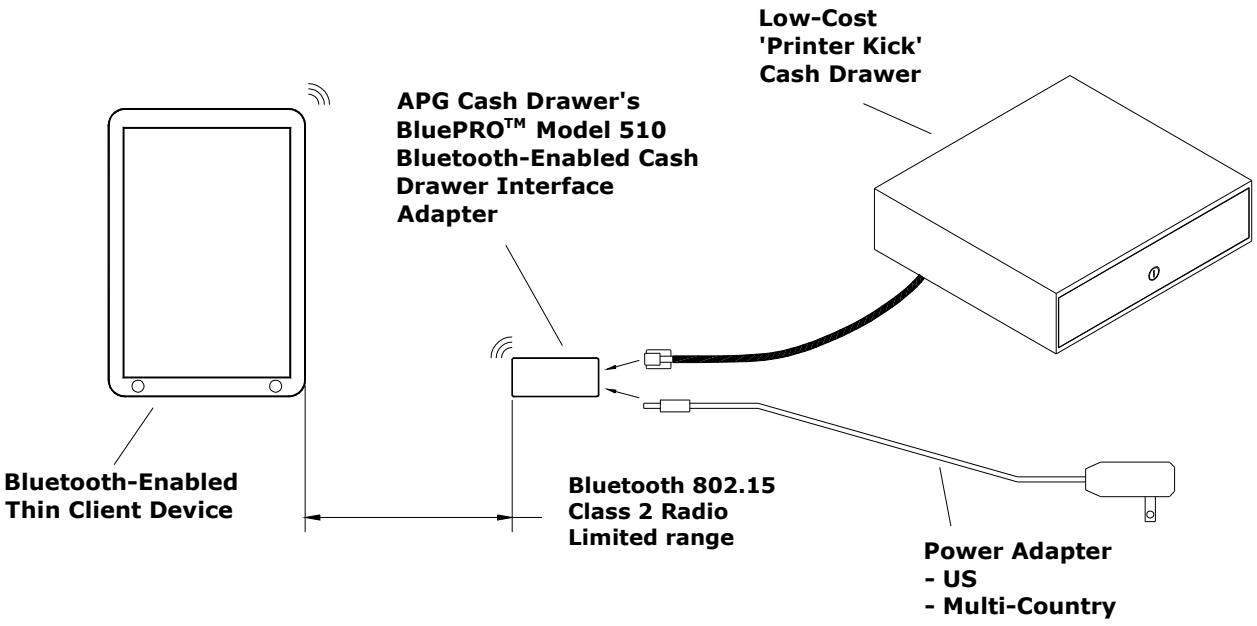
Introduction and Product Overview



This document describes the APG BluePRO™ Model 510 Bluetooth-enabled Cash Drawer Interface Adapter and the APG BluePRO™ Application (App) behavior and all elements that are involved.

The application's operation is based on Bluetooth communication (IEEE 802.15) between a Bluetooth-enabled device and the APG BluePRO™ Model 510 Bluetooth-enabled Cash Drawer Interface Adapter and a printer-kick cash drawer.

APG BluePRO™ Model 510 Bluetooth-enabled Cash Drawer Interface Adapter is constructed per Bluetooth version 2.1 (Classic Bluetooth Mode with EDR). The operating frequency range is 2402-2480 MHz.

The APG BluePRO™ sample application supports up to a maximum of seven (7) APG Model 510 BluePRO™ Bluetooth-enabled Cash Drawer Interface Adapters.

Operational Description and Antenna Information

Operation Description:

The APG BluePRO 510 interface is a cash drawer controller that utilizes Bluetooth signals to communicate to the host device to operate a cash drawer. The product implements Bluetooth version 2.1 (Classic Bluetooth Mode with EDR).

- The interface is paired to a Bluetooth-enabled host device e.g. tablet or handheld.
- Once paired, an application running on that host may transmit commands to control a cash drawer.
- The BluePRO 510 device controls only the APG Model 237A and 437A interface
    - Drawer Kick
    - Query cash drawer status
- Default: the BluePRO 510 does not provide a cash drawer open/closed status reporting. Drawer status reporting feature must be activated by the user.
- The device is power by a 24VDC power adapter.
- The device connects to a host as a peripheral device and transmits the commands to operate the cash drawer via Bluetooth signals.
- The operating frequency ranges from 2402-2480 MHz.
- The Bluetooth signal of the device reaches a radius of approximately 15 foot from the device.

Antenna Information:

The BluePRO 510 interface uses the internal antenna of the Bluetooth controller chip to transmit the Bluetooth signal to the host device.

Declaration of Conformity

FCC

Note:
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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Guidance: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures.

Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

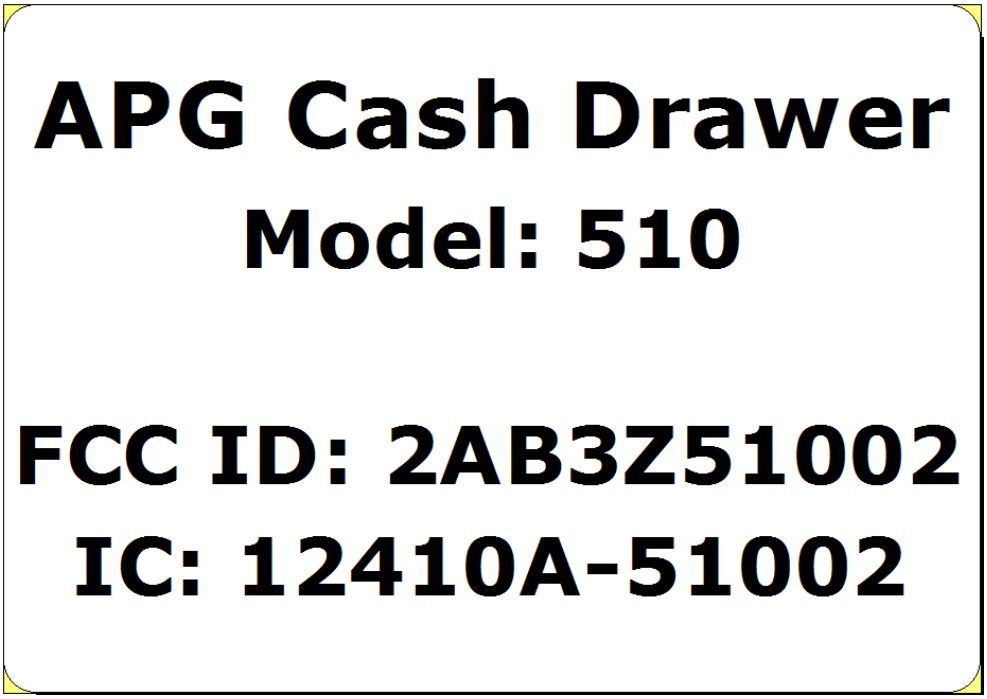
CAN ICES-3(B)/NMB-3(B)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Label Affixed to the Product

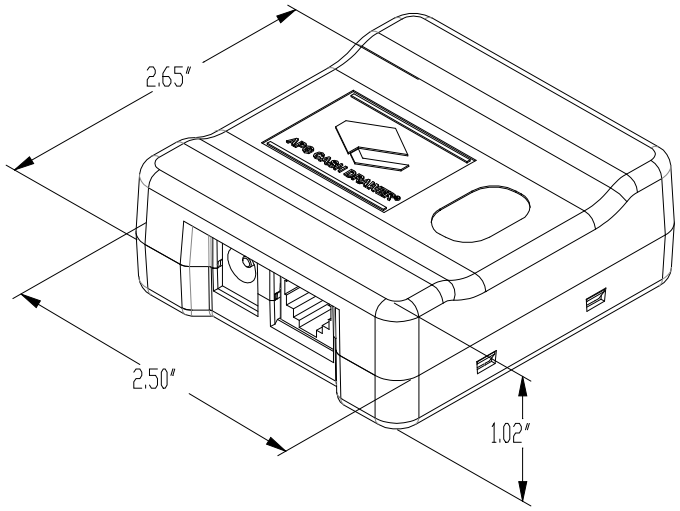


Mechanical Specifications:

Style	Direct thermal label
Material	Low-cost paper
Adhesive	Permanent
Overlay	None
Size	1.20in wide x 0.85in tall
Text Color	Black
Font and Size for Text	Reasonably large, easily readable and as shown

Device Dimension

Dimension
Height = 1.02IN
Width = 2.50IN
Length = 2.65IN



Resources

For product assistance, contact your reseller partner or APG Cash Drawer.

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