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WHEN MEASUREMENTS MATTER

PConnect version 3.4
Datalogger support software for Palm OS-based PDAs

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Detailed Description

PConnect software supports communications between a Palm OS-based PDA and a Campbell Scientific datalogger via a USB-to-serial connection. PConnect is compatible with Palm OS-based PDAs with OS version 3.3 or greater, including Palm™ Inc., handhelds and Handspring™ Visor Neo and Platinum. Compatible dataloggers are our CR200(X)-series, CR500, CR510, CR10(X), CR800/850, CR1000, CR3000, 21X, CR23X and CR7; both the mixed-array datalogger operating system (OS) and PAKBUS® datalogger OS are supported.

PConnect uses a binary, error-checked, data retrieval protocol. It stores the data in the PDA using a binary format, which conserves memory. The data is converted to an ASCII comma-separated format on the PC as part of the HotSync process. The HotSync process also synchronizes datalogger programs between the PDA and PC.

Version 3.4

Version 3.4 retains all the functionality of the previous versions.

Note: Requirements are listed on the back page.

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Requirements

- Campbell Scientific CR200(X)-series, CR500, CR510, CR10(X), CR800/850, CR1000, 21X, CR23X, CR3000 or CR7 datalogger

- Mixed-array datalogger operating system (OS) or PAKBUS® datalogger OS

- One copy of PConnect software per PDA

- Palm OS Version 3.3 or later (Pocket PC OS-based PDAs require PConnectCE)

- USB-to-serial cable or cradle (i.e., connects to the PDA on one end and terminates in a 9-pin serial connection on the other end); alternately, an SC-IRDA can be used for communication via the CS I/O port

- Palm Desktop Software installed on the PC

- If using the SC-IRDA, the PDA must have an IRDA port and an IR chip set compatible with the SC-IRDA.

- For Bluetooth communication, the handheld must be Bluetooth enabled.

- 2 MByte PDA for collecting data from one standard datalogger; 8 MByte PDA recommended when collecting from many stations or from dataloggers with extended memories

Connectors, cables and interfaces

- **Datalogger connection:**

- PDA-to-CS I/O connector or PDA-to-RS232 cable (both are shipped with PConnect software). The PDA-to-CS I/O connector connects to the CS I/O port on a CR500, CR510, CR10(X), CR800, CR850, CR1000, 21X, CR23X, CR3000, or CR7 datalogger. The PDA-to-RS232 cable connects to the RS-232 port on a CR200(X)-series, CR800, CR850, CR1000, CR23X, or CR3000 datalogger.
- SC-IRDA Infrared Interface connects to the CS I/O port on a CR500, CR510, CR10(X), CR800, CR850, CR1000, 21X, CR23X, CR3000, or CR7 datalogger.

• PDA connection for serial communication: PDA-to-serial cable or cradle (one end of the cable/cradle must terminate in a 9-pin serial connector). The cable/cradle connects to the PDA-to-CS I/O connector or PDA-to-RS232 cable via the 9-pin serial connector. This cable/cradle may be included with the PDA, or it may need to be purchased as a separate accessory from the PDA manufacturer or a third party supplier.

• Bluetooth communication: Third-party Bluetooth serial adapter. The interface and/or cables that are used to connect the adapter to the datalogger will vary, depending upon whether the device acts like a DTE (computer) device or DCE (PDA) device. In some instances, this is evident by the pin-out of the adapter, but not always. A general rule is if the adapter has a 9-pin female connector, then the adapter is connected to the datalogger using the PDA-to-CS I/O connector for the CS I/O port or the PDA-to-RS232 cable for the RS-232 port. If the adapter has a 9-pin male connector, then the adapter is connected to the datalogger using an SC32B for the CS I/O port or it can be connected directly to the RS-232 port.

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