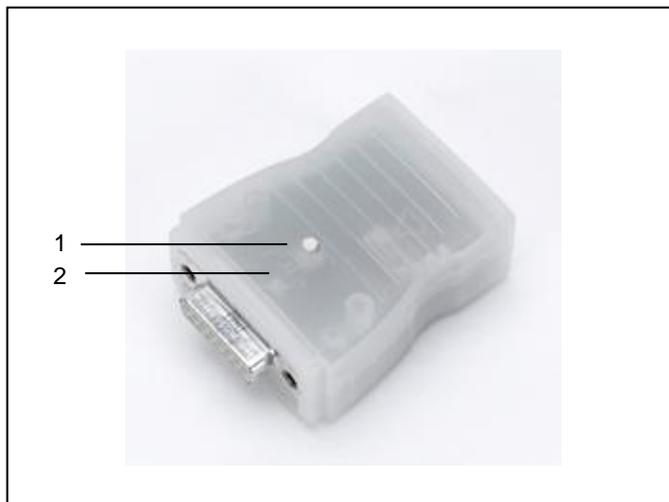


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Operating Instructions 524 018

Pocket-CASSY 2 Bluetooth (524 018)

- 1 Button
- 2 LED

1 Installing CASSY Lab 2

Pocket-CASSY 2 is supported by CASSY Lab 2.13 and higher. Find the current version of CASSY Lab 2 online at <http://www.ld-didactic.com>. CASSY Lab 2 will run on Windows XP/ Vista/ 7 systems.

CASSY Lab 2 can be installed automatically by inserting the CASSY Lab 2 CD-ROM or manually by running the file labeled SETUP.EXE and following the instructions on the screen.

A user code must be entered when using CASSY Lab 2 with Pocket-CASSY 2, or the device's functionality is restricted to 16 applications.

2 Installing Pocket-CASSY 2 Bluetooth

Pocket-CASSY 2 can be connected to a PC USB port using the enclosed USB cable. A 500 mA port, such as a normal built-in USB port, or ports in a USB hub with an external power supply (e.g. monitors but not keyboards), is required for installation.

The operating system will detect Pocket-CASSY 2 when it is first connected via USB and the necessary drivers will be installed.

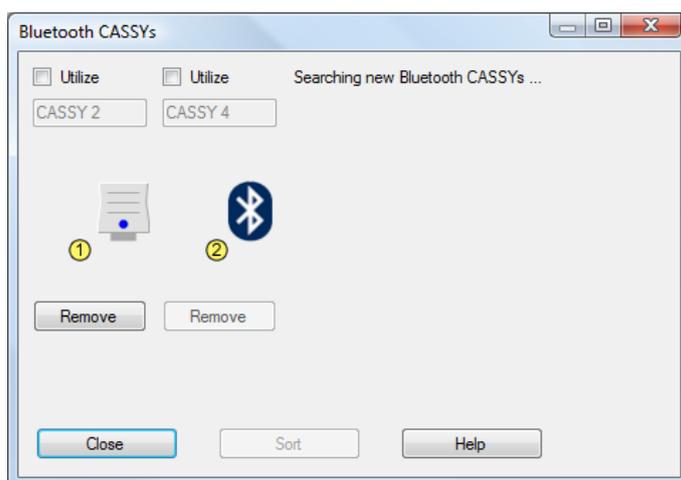
Pocket-CASSY 2 Bluetooth may be connected to the PC via Bluetooth as an alternative. Electric power is then either supplied by the enclosed power supply plug or a rechargeable battery for Pocket-CASSY 2 Bluetooth (524 019).

While a USB connection does not have to be performed manually, a Bluetooth device must be connected manually so that the association between Bluetooth device and PC is unambiguous.

This is done in CASSY Lab 2 with the menu item  **Window** → **Show Bluetooth CASSYs**.

Note

If you cannot select this menu item your computer does not use a Microsoft Bluetooth stack. If your computer uses a different Bluetooth stack you can use the device manager to switch to the Microsoft Bluetooth stack or use our Bluetooth dongle (524 0031).



If a new CASSY is within range and switched on an unspecified Bluetooth symbol  is displayed shortly afterwards. After clicking on **Utilize** to create a successful connection the type of the Bluetooth CASSY  is displayed.

The CASSY's name can be changed while it is connected. Any CASSYs that were connected but not required to be shown in this window anymore can be deleted by clicking the **Remove** button.

Remarks

The Bluetooth connection is protected by a PIN. You do not need to know this PIN because CASSY Lab will enter the PIN for you. Student cellphones cannot hijack this Bluetooth connection because the PIN is not known to them.

The range of the Bluetooth connection is set to a maximum of 20 yards in open spaces. The range also depends on the sensitivity of the Bluetooth devices and other 2.4 GHz radio devices (e.g. WLAN).

We recommend using our Bluetooth dongle (524 0031) as a Bluetooth peer terminal.

3 Technical Specifications / Scope of delivery

For the technical specifications of the Pocket-CASSY 2 Bluetooth please consult the CASSY Lab 2 documents.

Several Pocket-CASSYs can be run simultaneously over different USB ports. Using the Bluetooth dongle (e.g. 524 0031), up to seven Bluetooth devices may be connected to a single computer.

Included in the package are an additional matching USB cable and a power supply plug. Both may be used to recharge one or more batteries for the Pocket-CASSY 2 Bluetooth (524 019).

4 Operation

Pocket-CASSY 2 Bluetooth has a push button (1) as an operating element and a color LED (2). All further operation of the Pocket-CASSY is done by means of the CASSY Lab 2 software (524 220).

Push button

If there is no PC connection available, the push button is used to switch the Pocket-CASSY on or off.

If there is a PC connection, the push button is used to start and stop the measurement recording as an alternative to the

 **Start / Stop Measurement** command in CASSY Lab 2.

LED

The LED indicates the connection status and battery state:

Green:	USB connection active
Blue, flashing:	Waiting for Bluetooth connection
Blue:	Bluetooth connection active
Red, flashing:	Battery depleting (< 20 %)
Red:	Update firmware with CASSY Lab 2
Off:	Pocket-CASSY switched off or battery empty

CASSY Lab 2

For the program documentation for CASSY Lab 2 as well as the description of the various CASSY modules please consult the CASSY Lab 2 documents, where there are also numerous test example descriptions.

5 Safety precautions

- Do not connect voltages exceeding 30V to transducers and sensor boxes connected to Pocket-CASSY.
- Observe possible ground connections between sensors and computer.