CK31 Handheld Computer

Quick Start Guide

Intermec

P/N 075205-004

CK31 Handheld Computer Quick Start Guide

See Compliance Insert for use restrictions associated with this product.

Specifications

Physical Dimensions

Length:	23.4 cm (9.22 in)
Width:	9 cm (3.54 in)
Thickness:	5.3 cm (2.07 in); 6.6 cm (2.6 in) with a large case
Weight:	590 g (20.8 oz)

Power Specifications

Operating:	Rechargeable 2400 mAh lithium-ion battery
Backup:	Super Cap supplies 10 minutes bridge time while replacing the main battery

Electrical Specifications

Model:	CK31
Electrical rating:	⎓ 7.4 to 12V, 500 mA peak

Temperature and Humidity Specifications

Operating temperature:	-20°C to 50°C (-4°F to 122°F)
Operating humidity:	5 to 95% non-condensing
Storage temperature:	-20°C to 60°C (-4°F to 140°F)
Storage humidity:	0 to 95% relative humidity, non-condensing

Patent Information

This product is protected by one or more patents. Refer to the *CK31 Handheld Computer User's Manual* (P/N 075207) for the list of patents.

Where to Find More Information

Now that the CK31 is working in your network, you may need additional information to use the computer in your data collection system. Refer to these documents for more information:

Document	Available On Web	Available in Print
CK31 Handheld Computer User's Manual (P/N 075207)	✓	✓
TE 2000 Terminal Emulation Programmer's Guide (P/N 977-055-008)	✓	✓
Intermec Developer Library	✓	

Go to the Intermec web site at www.intermec.com to find the manuals in PDF format. If you experience any problems, please visit our product support web site at intermec.custhelp.com to search for product specific information. To order accessories and printed documentation, contact your local Intermec sales representative.

Out of the Box

After you remove the CK31 from its shipping box, save the box and packing material in case you need to ship or store the computer. The CK31 shipping box contains these items:

Stylus (installed)

CK31 Handheld Computer

Battery

Documentation

Tethered stylus

Screw

Retaining bar

Laser labels (laser scanner option only)

What Is the CK31?

The Intermec CK31 Handheld Computer is an ergonomically designed handheld computer built on the Microsoft® Windows® CE .NET operating system. It is a lightweight, easy-to-use, reliable computer that runs client/server applications, TE 2000™ terminal emulation applications, and web-based applications.

The CK31 makes data collection easy and includes these features:

- 802.11b/g radio (optional)
- Bluetooth™ (optional)
- .NET Compact Framework
- Color display with touch screen
- 64MB flash/64MB RAM memory
- 400 MHz processor

You should read this quick start guide if you are a system administrator or other person installing the CK31 in a network.

If you want basic information such as changing the beeper volume, see the *CK31 Handheld Computer Operator's Guide* (P/N 075388) that shipped in the documentation package.

For information on how to install the tethered stylus, see the *CK31 Tethered Stylus Instructions* (P/N 075444) that shipped in the documentation package.

CK31 Features

Good Read light (green)

Touch screen

User-defined lights

Scan button

Serial port

Battery

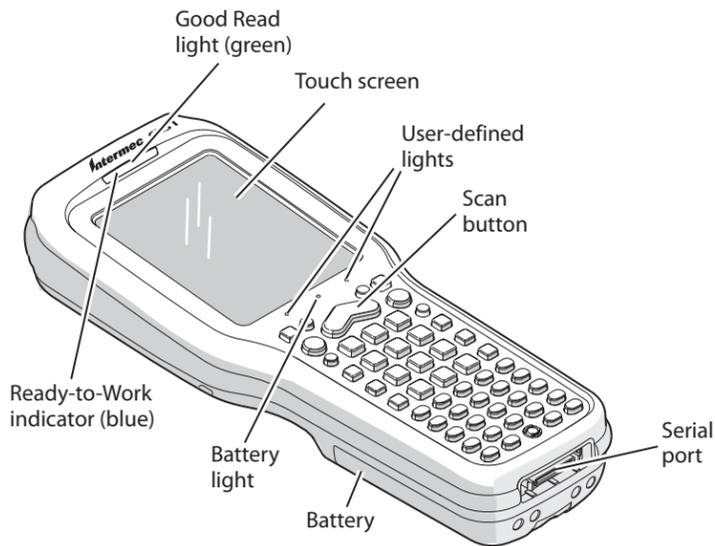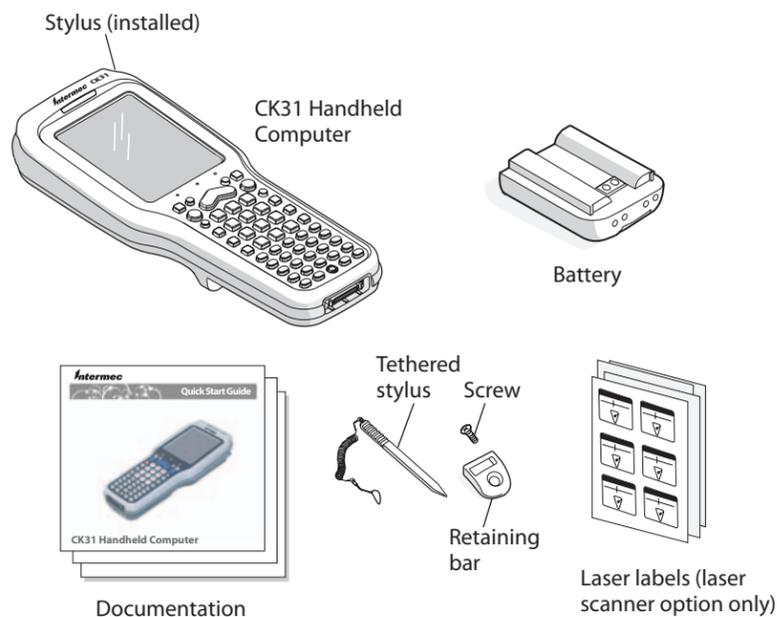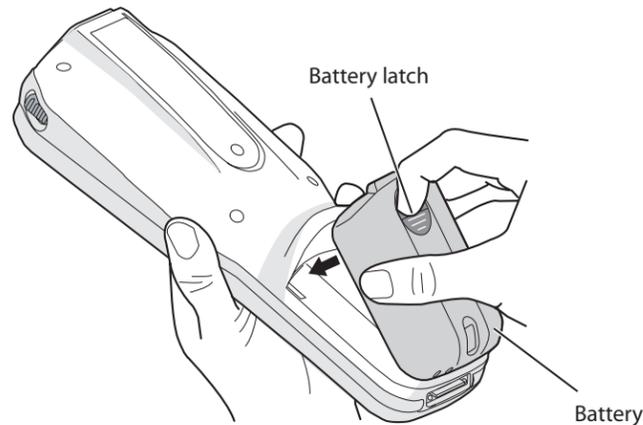Battery light

Ready-to-Work indicator (blue)

Wi-Fi® CERTIFIED bg

CK31 computers with an IEEE 802.11b/g radio installed are Wi-Fi® certified for interoperability with other 802.11b/g wireless LAN devices.
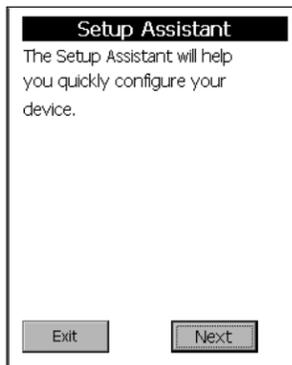
① Installing and Charging the Battery

① Charge the CK31 battery in one of these two ways:

- Remove the battery and place it in the AC1 4-Slot Battery Charger or AC3 8-Slot Battery Charger.
- Place the CK31 (with battery installed) in the AD1 1-Bay Communications Dock, AD2 4-Bay Communications Dock, or AC2 4-Bay Charging Dock.

Battery latch

Battery

② Insert the tabs on the bottom of the charged battery into the CK31 and snap the battery into place. The battery light on the CK31 blinks three times and the CK31 turns on.

③ Configuring the CK31

After the CK31 finishes booting up for the first time, the Setup Assistant appears. The Setup Assistant walks you through the process of setting the time and date and the configuration parameters necessary to connect the CK31 to your network.

Setup Assistant Start Screen

Follow the directions on the Setup Assistant screen to quickly configure your CK31. If you need to set additional parameters or change any parameters you set with the Setup Assistant, you can use the Intermec Settings application.

To open Intermec Settings
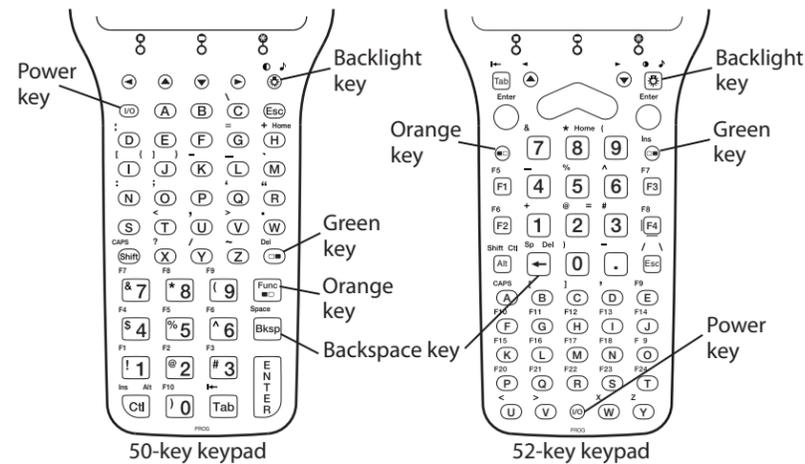
- Go to **Start** > **Intermec Settings**.

For help loading your applications on the CK31, see the *CK31 Handheld Computer User's Manual* (P/N 075207).

② Turning on the CK31 and Finding Keys

The CK31 can have a 52-key full alphanumeric keypad, a 50-key full alphanumeric keypad, or a 42-key large numeric and function keypad. Use this illustration to locate some of the important keys on your CK31. The Power (⅟ₒ) key may be located in one of two places depending on your keypad: the middle of the bottom row of keys or the upper left corner. Use the 52-key keypad below for reference if you have a 42-key keypad.

To turn on the CK31

- Press and release the ⅟ₒ key. The CK31 turns on.

Power key
Backlight key
Orange key
Green key

Green key
Orange key
Backspace key

Backlight key
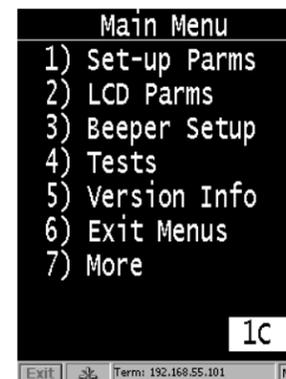Green key
Power key

50-key keypad   52-key keypad

④ Using TE 2000 on Your CK31

If you have the TE 2000 terminal emulation application loaded on your CK31, it automatically launches after you exit Setup Assistant. The default emulation for TE 2000 is VT340. Use this procedure to enter a server address and set the emulation type.

To enter a server address and set the emulation type

① Tap [M] in the lower right corner and select **TE2000 Menus**. The TE 2000 Main Menu appears.


```
Main Menu
1) Set-up Parms
2) LCD Parms
3) Beeper Setup
4) Tests
5) Version Info
6) Exit Menus
7) More
                    1C
Exit    Term: 192.168.55.101    M
```

② Tap **Set-up Parms** and type `cr52401` at the **Enter Password** prompt.

③ From the Set-up Parms menu, go to **Communication** > **Direct** > **Host Setup** > **Host A**.

④ Type the address of your host and then press **Enter** twice. You can enter up to 64 alphanumeric characters.

⑤ From the Emulation menu, tap the TE 2000 emulation mode you want to use.

⑥ Press **Enter** until you return to the Main Menu and then tap **Exit Menus**.

⑦ Press **Y** and then type `cr52401` at the **Enter Password** prompt to exit the TE 2000 setup menu.

Using the Keypad

The CK31 provides color-coded keys to let you access additional characters, symbols, and functions printed on the keypad overlay. Once you understand how to use the color-coded keys and key sequences, you can access all of the additional features printed on the keypad overlay. Make sure you press and release the first key before you press the second key.

Understanding How to Use the Color-Coded Keys

You Want To:	Press:
Use an orange character or function printed above a key	Orange ▬▭ key and then the key with the character or function printed above it
Use a green character or function printed above a key	Green ▭▬ key and then the key with the character or function printed above it
Use a blue character printed on a key	**Shift** key and then the key with the blue character printed on it
Lock a green, orange, **Shift**, **Ctl**, or **Alt** key to stay on	▬▭, ▭▬, **Ctl**, **Alt**, or **Shift** key twice
Unlock a green, orange, **Shift**, **Ctl**, or **Alt** key	▬▭, ▭▬, **Ctl**, **Alt**, or **Shift** key once

Troubleshooting

Problem	Possible Solution
You press ⅟ₒ to turn on the CK31 and nothing happens.	The battery may be discharged. Replace the battery with a spare charged battery or charge the battery and try again.
	Make sure the backlight is turned on. Press ☼.
You see a battery critically low icon (⊏!⊐) on the status bar.	Replace the battery immediately with a fully charged battery or place the CK31, with the battery installed, in a communications dock.
You use your stylus to tap the screen and nothing happens.	Recalibrate your touch screen. To open the calibration application, go to **Start** > **Touch Calibrate**. Follow the directions on the screen.
You are using the 802.11b/g radio and the no connection to the network icon (⊠) appears on the status bar.	• The CK31 may not be communicating with your access point. Make sure the network name on the CK31 is the same as the network name (SSID) of the access point you are trying to communicate with.
	• Make sure the CK31 is within range of an access point.
	• Make sure the CK31 has been configured correctly for your network.

Scanning a Bar Code With ScanDemo

Use the ScanDemo application to see how the imager in your CK31 works. If you have a 2D imager, you can hold your CK31 in any orientation (360°) while scanning bar codes and you can read 2D bar code symbologies. Using the 2D imager is very similar to taking a picture with a digital camera.

To scan a bar code with ScanDemo

① From the CK31 desktop, double-tap the ScanDemo icon. The ScanDemo application opens on your desktop.

② Press the **Scan** button on the keypad, or pull the trigger on the handle, and center the red aiming beam over the bar code label. The imager flashes repeatedly. When the CK31 successfully reads a bar code label, you hear a high beep and the green Good Read light turns on briefly.

③ Release the **Scan** button or the trigger.