WORKABOUT PRO
Desktop Docking Station
(Models WA4002-1 and WA4102-1)
Guide

June 13, 2005   PN 8100027.B

PSION TEKLOGIX

Return-To-Factory Warranty

Psion Teklogix warrants a return-to-factory warranty for a period of one year. In some regions, the warranty exceeds this period. Please contact your local Psion Teklogix office for details. For a list of offices, see "Worldwide Offices" on page 14. The warranty on Psion Teklogix manufactured equipment does not extend to any product that has been tampered with, altered, or repaired by any person other than an employee of an authorized Psion Teklogix service organization. See Psion Teklogix terms and conditions of sale for full details.

Service

When requesting service, please provide information concerning the nature of the failure and the manner in which the equipment was used when the failure occurred. Type, model, and serial number should also be provided. Before returning any products to Psion Teklogix, please call the Customer Services Group for a Return Authorization number.

Support Services

Psion Teklogix provides a complete range of product support services to its customers. For detailed information, please refer to "Support Services And Worldwide Offices" on page 13.

Disclaimer

Every effort has been made to make this material complete, accurate, and up-to-date. In addition, changes are periodically added to the information herein; these changes will be incorporated into new editions of the publication.

Psion Teklogix Inc. reserves the right to make improvements and/or changes in the product(s) and/or the program(s) described in this document without notice, and shall not be responsible for any damages, including but not limited to consequential damages, caused by reliance on the material presented, including but not limited to typographical errors.

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Regulatory Approvals

For the FCC and CE Declarations, please refer to the *WORKABOUT PRO Hand-Held Computer User Manual (PN 8000024)* or the *WORKABOUT PRO Hand-Held Computer With Windows Mobile 2003 SE User Manual* (PN 8000058)*, depending on the operating system installed in your unit.

CE MARKING

When used in a residential, commercial or light industrial environment the product and fulfil all requirements for CE marking.

FCC compliance

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

IC compliance

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

1. Introduction

This guide provides information on the operation and features of the Psion Teklogix WORKABOUT PRO desktop docking station. For additional information, refer to the *WORKABOUT PRO Hand-Held Computer User Manual* (PN 8000024) or the *WORKABOUT PRO Hand-Held Computer With Windows Mobile 2003 SE User Manual* (PN 8000058), depending on your unit's operating system.

2. The WORKABOUT PRO Desktop Docking Station

This section describes the desktop docking stations, Models WA4002-1 (for both WORKABOUT PRO M and C) and WA4102-1 (for WORKABOUT PRO S). The docking station is used as a convenient "drop-in" holder for the WORKABOUT PRO, supplying power for device operation, battery charging, and communications.

The WORKABOUT PRO docking station kit consists of the following items:

- Docking Station.
- Universal AC Power Supply.
- USB Cable.
- Instructions (this guide).

2.1 Important Safety Instructions

SAVE THESE INSTRUCTIONS

- The docking station can only be used to charge approved Psion Teklogix Li-Ion batteries (currently only models WA3000 and WA3002).

- The docking station can only be used with the AC wall adaptor, LI SHIN model LSE9912B0515, recommended or sold by Psion Teklogix.
- Before using the docking station, read all instructions and cautionary markings on (1) the AC wall adaptor, and (3) the product using the battery.
- The mains power cord (sold separately) shall comply with national safety regulations of the country where the equipment is to be used.
- Use of an attachment not recommended or sold by Psion Teklogix may result in fire, electric shock, or personal injury.
- To reduce risk of damage to the electrical plug and cord when unplugging the AC adaptor, pull the plug rather than the cord.
- Make sure the cord is positioned so that it is not stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not operate the docking station with a damaged cord or plug. Replace immediately.
- Do not operate the docking station if it has received a sharp blow, been dropped, or otherwise damaged in any way; it should be inspected by qualified service personnel.
- Do not disassemble the docking station; it should be repaired by qualified service personnel. Incorrect reassembly may result in electric shock or fire.
- To reduce risk of electric shock, unplug the AC adaptor from the outlet before attempting any maintenance or cleaning.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in fire or electric shock. If an extension cord must be used, make sure:
  - The plug pins on the extension cord are the same number, size, and shape as those on the AC adaptor.

- • The extension cord is properly wired and in good electrical condition and that the wire size is larger than 16 AWG.
- • Do not expose the docking station to rain or snow.
- • Do not place batteries in the charger if they are cold from extended exposure to a freezer or outside temperatures below 0°C (32°F). Allow them to warm up to room temperature for at least 30 minutes.
- • Do not use the docking station if, after an overnight charge, the battery feels warmer than the charger housing. The docking station should be inspected by qualified service personnel.
- • Do not use the docking station if the battery becomes more than lukewarm. The equipment should be inspected by qualified personnel.

2.2 Installation

When installing a docking station at your site, consider the following guidelines.

- • Keep chargers and docking stations away from excessive dirt, dust and contaminants.
- • It is recommended that the charger or docking station be operated at room temperature – between 18° C and 25° C (64° F to 77° F) for maximum performance.
- • Ensure that you have the appropriate IEC mains power cord for the Universal AC Power Supply (cord sold separately). To check whether the power cord is correct for your country, contact Psion Teklogix for assistance (see "Support Services And Worldwide Offices" on page 13).

WORKABOUT PRO Charge Well

Docking Station Connector Pins
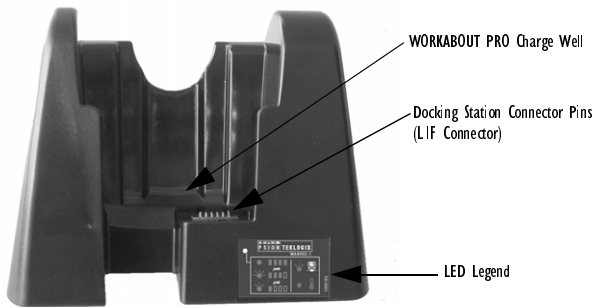(LIF Connector)

LED Legend

Figure 2.1 Front Of The Desktop Docking Station

After unpacking your unit:

- Visually inspect the docking station for possible damage.
- Install the IEC power cord into the Universal AC Power Supply and plug the power cord into an AC mains outlet.
- Plug the DC plug on the Universal AC Power Supply into the DC IN socket on the back of the docking station.

2.2.1 Power Consumption Considerations

Check to ensure the mains circuit supplying the docking station is adequate for the load, especially if several chargers and docking stations are being powered from the same circuit.

Note: The WORKABOUT PRO desktop docking station has no operator controls or power switches.

2.3 Charger Operations

The desktop docking station is designed to charge the battery installed in the WORKABOUT PRO along with a spare battery pack.
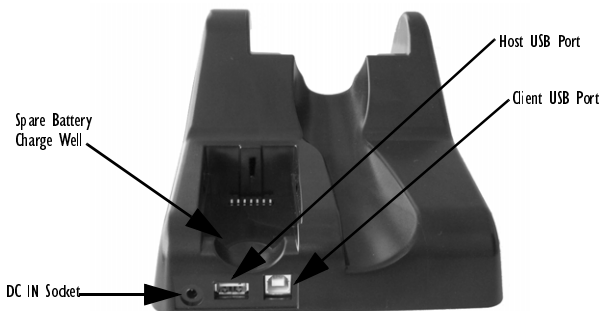

Figure 2.2 Back Of The Desktop Docking Station

2.3.1 Charging A Battery In The WORKABOUT PRO

• Slide the hand-held into the docking station, making certain that the LIF (Low Insertion Force) port on the base of the WORKABOUT PRO is securely seated on the docking station connector pins. If the WORKABOUT PRO is turned on, an icon is displayed in the taskbar, indicating that the unit is properly installed in the station –

This icon is only displayed for a few seconds after insertion of the WORKABOUT PRO into the charge well.

The LED on the WORKABOUT PRO will light up, indicating that the unit has external power and battery charging will begin. It is safe

to leave the unit in the desktop docking station while it is not in use—the battery will not be overcharged.

2.3.2   Charging A Spare Battery

•   Insert the battery in the spare battery charge well at the back of the docking station, aligning the contacts on the battery with the contacts in the spare battery charge well.

2.3.3   Battery Charge Duration

A fully discharged battery can take up to 5 hours to charge. The desktop docking station stops applying power to the battery when it is fully charged—there is no risk of overcharge if the battery remains in the charge well.

2.3.4   Charger LED Indicators

Figure 2.3 Battery Charge Status

The desktop docking station is equipped with a single dual-coloured LED indicator in the lower-right corner of the front panel. Table 2.1 on page 9 describes the LED's behaviour under various conditions.

LED Behaviour	Icon	Charge Status
Off		No battery detected in the charge well.
Solid green	● ▌▌▌▌	Battery fully charged.
Fast Flashing green	☀ ▌▯▯▯	Battery charged to less than 80% of capacity.
Slow flashing green	☀ ▌▌▌▯	Battery charged to greater than 80% of capacity.
Solid red	● ♪	Battery temperature outside charge range of 0° C to 50° C.
Flashing red	☀ ⊠	Battery is not charging. Battery fault.

<div align="center">Table 2.1 LED Behaviour</div>

Note: *Battery charging continues whether the hand-held is switched on or off.*
See the WORKABOUT PRO Hand-Held Computer User Manual (PN 8000024) or the WORKABOUT PRO Hand-Held Computer With Windows Mobile 2003 SE (PN 8000058) for a description of the hand-held charge LED.

2.3.5   Troubleshooting The Charging Operation

Indicator Does Not Light When Battery Installed

- Confirm that the docking station is powered from the Universal AC Power Supply.
- Remove the battery, and clean the contacts on the battery and the charge well.

- Inspect the charge well contacts for damage (are they bent, flattened, twisted or broken).
- Reinstall the battery, and check that it is fully seated in the charger well.
- Try inserting a battery that you know to be working in the charger well.

2.4 Desktop Docking Station Ports

The desktop docking station is equipped with two USB ports—a Host USB port to connect peripherals such as a printer, keyboard, etc., and a Client USB to connect the docking station to a PC (see Figure 2.2 on page 7).

2.5 Linking A WORKABOUT PRO To A PC

The desktop docking station can be connected to a PC so that you can exchange files in the same way that you would between PC drives. A USB cable to PC is included with your docking station.

To link the WORKABOUT PRO to a PC:

- Insert the hand-held in the desktop docking station.
- Insert the USB cable into the docking station Client USB connector. Attach the other end of the cable to a USB port on the PC.

You need to install connectivity software like ActiveSync on your PC before you can pass data between the hand-held and the PC.

2.5.1 Software Requirements

The minimum software requirement for the WORKABOUT PRO to enable the USB host interface on the docking station is:

- Windows Mobile 2003 SE, *or*
- Windows CE version B7 (D285t) with Keyboard Controller code ver 4.0 (μP)

To check the version for Windows CE, go to *Control Panel\System Properties\Properties* tab; the versions displayed should be as shown below or newer based on the Date Code. In the example, the date code D285t, is encoded as follows: "D" is the month (April), "28" is the Day, and "5" is the last digit of the year.

    Build Type - Release

    Boot Code - D285t

    WinCE Code - D285t

    Keyboard controller code - 4.0 D015m

If your unit is running a previous version of the above software, a USB device such as an external mouse, keyboard, or serial adaptor will not be detected by the WORKABOUT PRO when the device is plugged into the Docking Station unless the USB cable that is provided with the Docking Station is also connected to a PC.

2.5.2 Using Microsoft® ActiveSync®

ActiveSync®—Microsoft PC connectivity software—can be used to connect the WORKABOUT PRO to PCs running this software. You'll be able to:

- View WORKABOUT PRO files from Windows Explorer.
- Drag and drop files between the WORKABOUT PRO and the PC in the same way that you would between PC drives.
- Back up WORKABOUT PRO files to the PC, then restore them from the PC to the hand-held again, if needed, and so on.

To install ActiveSync, follow the step-by-step instructions provided with the program's setup wizard. Refer to the following website for details: *http://www.microsoft.com/windowsmobile/resources/downloads/pocketpc/activesync35.mspx.*

Note: *If your unit is using the Windows CE operating system, you'll need to run the USB setup utility to configure your PC **before** connecting the WORKABOUT PRO via USB. Refer to 'Appendix C' of the WORKABOUT PRO Hand-Held Computer User Manual (PN 8000024).*

2.6 Linking To An Ethernet Network

A USB-Ethernet adaptor cable (model WA4010, sold separately) is available to connect the WORKABOUT PRO to an Ethernet network through the desktop docking station. The docking station is typically used to upload transaction data to a server computer when a radio link in not available.

USB Connector

Ethernet Port

Figure 2.4 USB-Ethernet Adaptor Cable

- Insert the adaptor's USB connector into the Host USB port on the desktop docking station.

- Connect your network Ethernet cable to the Ethernet port on the adaptor cable.

2.6.1　Network Access

The hand-held unit automatically detects insertion into the desktop docking station and loads the appropriate drivers to communicate with the USB-Ethernet adaptor cable.

Network Addressing

The host application uses standard TCP/IP protocol to name, locate and communicate with a specific WORKABOUT PRO on the network.

If a link is established between a WORKABOUT PRO and a host, the application on the host and on the hand-held must have a recovery mechanism in the event that the WORKABOUT PRO is removed from the docking station, interrupting the link.

2.7　Troubleshooting The Docking Station Operations

The indicators, applications, and drivers required to use and monitor the desktop docking station as a *dock* (as opposed to a charger, see page 9) are installed on the WORKABOUT PRO—no applications are present on the docking station itself.

3.　Support Services And Worldwide Offices

Psion Teklogix provides a complete range of product support services to its customers worldwide. These services include technical support and product repairs.

3.1　Technical Support

Technical Support for Mobile Computing Products is provided via e-mail through the Psion Teklogix customer and partner extranets.

To reach the website, go to *www.psionteklogix.com* and click on the appropriate Teknet link on the home page. Then click on the "Log-in" button or the "Register" button, depending on whether you have previously registered for Teknet. Once you have logged in, search for the "Support Request Form".

3.2 Product Repairs

International

For technical support outside of Canada or the U.S.A., please contact your local Psion Teklogix office listed on our worldwide website:

http://www.psionteklogix.com

Click on the heading labelled 'Contacts' to choose a Psion Teklogix technical support representative closest to you.

Canada/U.S.A

Canadian and U.S. customers can receive access to repair services, by calling the toll-free number below, or via our secure website (see *Technical Support*, above).

Note: *Customers calling the toll-free number should have their Psion Tek-*
        logix customer number or trouble ticket
        number available.

    Voice: 1 800 387-8898 (press option "2")
    Fax: 1 905 812-6304

3.3 Worldwide Offices

For company headquarters, North American headquarters, and the French subsidiary, please see page 15. For a complete listing of international offices, please refer to: *www.psionteklogix.com* .

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