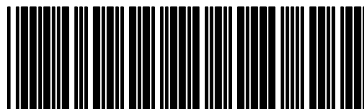


## Using the Dock to Charge the Battery Pack

Refer to [Table 1](#) for a to view methods of battery pack charging using the dock, charge duration, dock status indicators and their purpose.

**Figure 3. Charging the Battery Pack in a Single-slot Dock**



R44-2430 (Rev. A)



## Operating Instructions

### FALCON® 4410/4420 Color Single- & Quad-Slot Docks

There are two models of docks for the Falcon: a single-slot dock and a 4-Slot dock. On both models, an external power supply (AC adaptor) provides power to the dock. Falcons communicate with the host PC using Microsoft ActiveSync protocol either via a USB port or via a serial port.

There is a USB/Serial interface between the Falcon and the Dock. The dock passes the USB and Serial signals from the device to the Host PC. ActiveSync Protocol is used to communicate between the Falcon and host PC.



**Use only the correct battery chargers and docks with this Windows CE .NET color Falcon. This technology used for these models is incompatible with other PSC Falcon chargers and docks, including the Falcon 4410/4420 monochrome models.**

## Single-Slot Dock

The Falcon color single-slot dock has a Falcon port which accepts both Falcon 4410 and 4420 color models. In addition, it has a spare battery charging port which accepts a Lithium Ion battery pack.

**Figure 1. Single Slot Dock Contacts and LEDs**



**Communication.** The Falcon communicates with the host PC using Microsoft ActiveSync protocol either via a USB port or via a serial port. Refer to the section on Communications in the *Falcon 4410/4420 Product Reference Guide*.

**Electrical Ratings.** Refer to the section on Technical Specifications in the *Falcon 4410/4420 Product Reference Guide*.

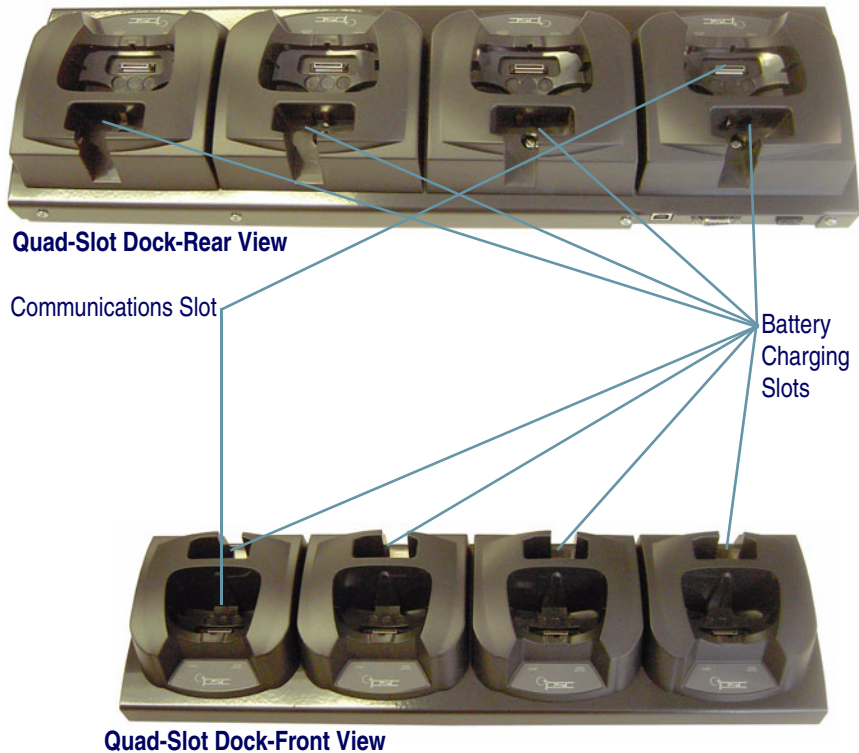
For a connector view of the dock, refer to [Figure 3](#).

## Quad-Slot Dock

The Quad-Slot dock has four Falcon ports which accepts both Falcon 4410 and 4420 color models.

**Communications.** The Falcon in the first slot (or bay) communicates with the host PC using Microsoft ActiveSync protocol either via a USB port or via a serial port. Rotate Falcons into the first slot in order for each unit to communicate with the host PC.

**Figure 2. Quad-Slot Dock**



## Charging the Battery Pack

When you first remove the Falcon from the box, you must charge both the battery pack and the backup battery for a minimum of 12 hours. There are several methods for charging the battery pack and backup battery.

The methods for charging a battery pack that pertain to the docks are shown in [Table 1](#). To review methods for using a battery charger or power adapter, refer to the *Falcon 4410/4420 Product Reference Guide*.

**Table 1. Dock Battery Charging Methods and Indications**



| Charging Location  | Charging Duration | Battery Pack Charge Indication |                                       | Simultaneously Charges Backup Battery? |
|--|-------------------|--------------------------------|---------------------------------------|--|
|  |                   | Falcon Charge LED              | Dock or Charger Battery Charge LED(s) |  |
| A. Within the Falcon while seated in a single or quad Dock                     | 4-6 hours         | Charging: RED                  | No effect                             | YES                                    |
|  |                   | Fully Charged: GREEN           |                                       |  |
| B. Battery Pack seated in spare battery charging slot of Dock (single or quad) | 3-5 hours         | N/A                            | Charging: Solid RED                   | NO                                     |
|  |                   |                                | Fully charged: GREEN                  |  |
|  |                   |                                | *Fault: Flashing RED                  |  |

\* Refer to the *Falcon 4410/4420 Product Reference Guide* for more information on troubleshooting a flashing red LED on the dock.