❂DATALOGIC

Falcon™ X3 Single Slot Dock

☞ **NOTE**	*Read this manual carefully before performing any type of connection from the terminal to a host PC using the Single Slot Dock.* *The user is responsible for any damages caused by incorrect use of the equipment or by inobservance of the indication supplied in this manual.*

☞ **NOTE**	*Do not attempt to disassemble the Single Slot Dock, as it does not contain parts that can be repaired by the user. Any tampering will invalidate the warranty.*

The Single Slot Dock paired with a Falcon X3 mobile computer builds a reading system for the collection, decoding and transmission of barcoded data.

The Single Slot Dock is both a USB and a serial communication adapter between the terminal and the host computer.

The Single Slot Dock also functions as a battery charger, both for the terminal and the spare battery pack. The spare battery can be charged by inserting it into the slot at the back of the dock.

Power supply is required for the Falcon X3 to be connected to the dock and for battery recharging operations.
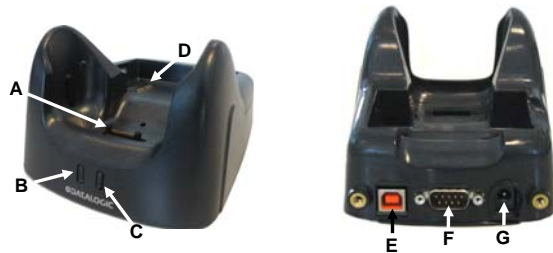

Figure 1 –Single Slot Dock General View

Key:
A) Contacts for Falcon X3
B) Power on LED
C) Battery charge status LED
D) Spare battery slot
E) USB-type B Connector
F) RS232 connector
G) Power supply connector

MOBILE COMPUTER INSERTION/ REMOVAL

For correct insertion into the dock, insert the mobile computer from the top of the dock and push it down until the clip of the dock clicks.

Figure 2 - Mobile Computer Insertion

To remove the mobile computer from the dock, simply pull it upwards while holding the dock firmly down.

Power Supply

Each dock requires a power supply to be connected to mobile computers. We recommend the power supply already included in the box.
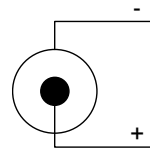

Figure 3 - Power Supply Polarity

⚠ **WARNING**	*To comply with relevant rules, including but not limited to FCC and CE, the EMI ferrite filter included in the box must be used and installed as shown below.*

LED INDICATORS

Power LED Status Indicator

Color	Status
Green	Dock powered

Battery Charging LED Status Indicators

Color	Status
Off	Battery absent
Red	Battery charge in progress
Green	Charge completed
Red Blinking	Error

USING THE SPARE BATTERY CHARGER

Correctly insert the battery pack into the slot: simply press it into the slot until the battery latch is automatically closed (figure 4); charging starts automatically.

Figure 4	**Figure 5**

To remove the battery, release the latch on the battery pack (figure 5).

FASTENING THE DOCK TO A SURFACE

To securely fasten the Single Slot Dock to tables, desks and other surfaces, and to prevent the dock from moving when you remove the device, use the four Velcro dual lock feet provided with the matching dual-lock adhesive pads.

Figure 6

Remove the protective feet from the dock before attaching the velcro dual lock feet.

CONNECTIONS

USB Client Connection

Connect the Single Slot Dock to the host using the A to B USB cord included in the box.

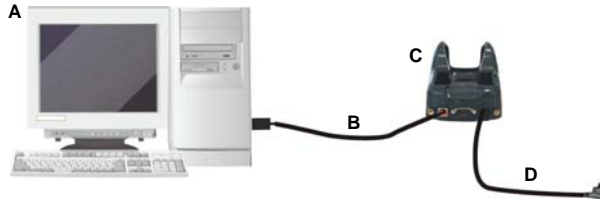Once the host has been turned on, insert the Falcon X3 into the dock.

Figure 7 - USB Connection

Key:
A)   Host computer
B)   A to B USB straight cable (included in the box)
C)   94A150057 Falcon X3 Single Slot Dock
D)   94ACC1381 Power Adapter

Connection to USB peripherals

Connect the Single Slot Dock to the peripheral using the A to B USB cord (together with a standard USB cable if needed).

Figure 8 - USB Peripheral Connection

Key:
A)   USB Peripheral (memory)
B)   Standard A to Micro A USB Cable
C)   A to B USB straight cable (included in the box)
D)   94A150057 Falcon X3 Single Slot Dock
E)   94ACC1381 Power Adapter

RS232 Connection

Connect the Single Slot Dock to the host by means of a standard null modem cable such as Datalogic 94A051020 CAB-427 for 9-pin connections.

Once the host has been turned on, insert the Falcon X3 into the dock.
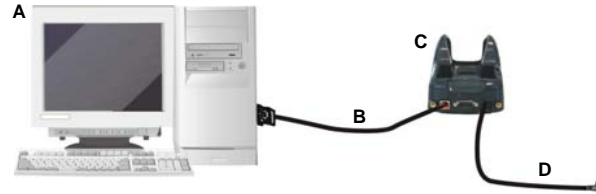
Figure 9 – RS232 Connection

Key:
A)   Host computer
B)   94A051020 9-pin serial cable
C)   94A150057 Falcon X3 Single Slot Dock
D)   94ACC1381 Power Adapter

Communication Module Extensions

To install a communication module, remove the label covering the communication module connector on the bottom of the dock, as shown in the figure below:

Figure 10

The communication modules available are the following:

- 94ACC1371 Single Slot Dock Ethernet Module
- 94ACC1372 Single Slot Dock Modem Module.

TECHNICAL FEATURES

Electrical Features	
Power supply *	5 VDC ± 5% @ 3A
Consumption	Max 3 A with mobile computer inserted
Spare slot charge time	6h 30 (with mobile computer inserted)
	5h (when mobile computer is not inserted)
Communication Features	
Interface	RS232, USB 2.0 version
Baud Rate	RS232 = 9600 - 115200
Physical Features	
Dimensions	110 x 140 x 72 mm
	4,3 x 5,5 x 2,8 in
Weight (without connection cables)	185 g / 6,5 oz
Indicators	Green power-on LED
	Bicolored battery charge status LED
Environmental Features	
Working temperature**	0° to +50°C / 32° to 122°F**
Storage temperature	-20° to +70°C / -4° to 158°F
Humidity	95% without condensation
Electrostatic discharge EN 61000-4-2	4 KV contact / 8 KV air

*   Use only DL approved power adapters.
**   Falcon X3 (including spare battery) should be charged at an ambient temperature between 0 - 35º C to achieve the maximum charging rate. Never charge the main device or spare batteries in a closed space where excessive heat can build up. Close to the limits of the working temperature, some display and/or battery performance degradation may occur.

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
Modifications or changes to this equipment without the expressed written approval of Datalogic could void the authority to use the equipment.
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, and (2) this device must accept any interference received, including interference which may cause undesired operation.