

## Datalogic Skorpio™ Single Cradle Ethernet



**NOTE**

Read this manual carefully before performing any type of connection from the terminal to a host PC using the Datalogic Skorpio™ Single Cradle Ethernet. 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**

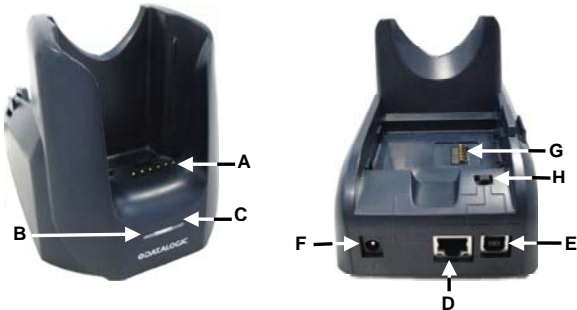
Do not attempt to disassemble the Datalogic Skorpio™ Single Cradle Ethernet, as it does not contain parts that can be repaired by the user. Any tampering will invalidate the warranty.

The Datalogic Skorpio™ Single Cradle Ethernet paired with a Datalogic Skorpio™ mobile computer builds a reading system for the collection, decoding and transmission of barcoded data.

The Datalogic Skorpio™ Single Cradle Ethernet is both a USB and an Ethernet communication adapter between the host computer and the Datalogic Skorpio™ mobile computer.

The Datalogic Skorpio™ Single Cradle Ethernet also functions as a battery charger, both for the mobile computer and the spare battery pack. The spare battery can be charged by inserting it into the slot at the back of the cradle.

Power supply is required for Datalogic Skorpio™ mobile computer to be connected to the cradle and for battery recharging operations.



**Figure 1 – Datalogic Skorpio™ Single Cradle Ethernet General View**

Key:

- A) Contacts for Datalogic Skorpio™ Mobile computer
- B) Communication status LED
- C) Battery charge status LED
- D) Ethernet port with integrated Link and Speed LEDs
- E) USB connector
- F) Power supply connector
- G) Spare battery slot
- H) Switch Ethernet/USB

## Correct Mobile Computer Insertion/ Removal

For correct insertion into the cradle, insert the mobile computer from the top of the cradle and push it down until the clip of the cradle clicks. If you are using a Datalogic Skorpio™ model, release the backstrap from the bottom side before inserting it into the cradle.



**Figure 2 - Mobile Computer Insertion**

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

## CONNECTIONS



**NOTE**

Ethernet communication requires Datalogic Skorpio™ SW version 5.41<sup>1</sup> or later. Verify the software version by tapping on Software – Version in the Datalogic default home page. Otherwise, search for the file version.htm under the Windows folder.



**CAUTION**

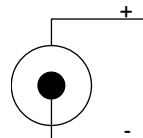
Connections should always be made with power OFF!



**NOTE**

During switch operation from Ethernet position to USB position and vice versa the mobile computer must not be inserted in the cradle.

Each connection requires a power supply to be connected to the cradle. We recommend the DL FPS18 power supply.



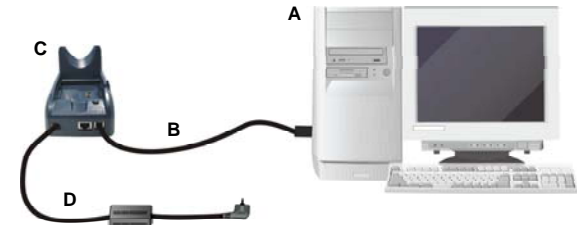
**Figure 3 - Power Supply Polarity**

## USB Connection

Be sure that the switch is in the “USB” position.

Connect the single cradle Ethernet to the host by means of any USB straight cord, such as Datalogic CAB-381 cable.

Insert the power supply plug into the power jack on the back of the cradle and attach the power supply to a power outlet. Once the host has been turned on, insert the Datalogic Skorpio™ mobile computer into the cradle.



**Figure 4 - USB Connection**

Key:

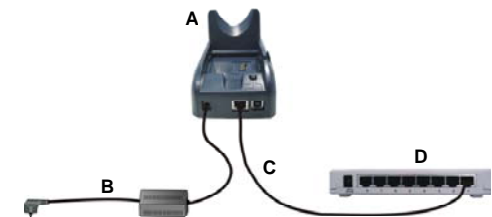
- A) Host computer
- B) 94A051017 CAB-381 USB Type A-B straight cable
- C) Datalogic Skorpio™ Single Cradle Ethernet
- D) 94ACC4595 FPS18 power supply without power cord  
94ACC1150 Power cord EU 3-pin

## Ethernet Connection

Be sure that the switch is in the “Ethernet” position.

Connect the Ethernet cradle (Ethernet port ) to an Ethernet hub or a port on the host device.

Insert the power supply plug into the power jack on the back of the cradle and attach the power supply to a power outlet. Once the host has been turned on, insert the Datalogic Skorpio™ mobile computer into the cradle.



**Figure 5 – Ethernet Connection**

Key:

- A) Datalogic Skorpio™ Single Cradle Ethernet
- B) 94ACC4595 FPS18 power supply without power cord  
94ACC1150 Power cord EU 3-pin
- C) UTP CAT 5E cable (recommended use)
- D) Ethernet hub

<sup>1</sup> 3.XX SW versions are later than 5.XX Sw versions

USING THE SPARE BATTERY CHARGER

Correctly insert the battery pack of the Datalogic Skorpio™ or of the Datalogic Skorpio-GUN™ into the slot: simply press it into the slot until the battery latch is automatically closed; charging starts automatically.



Figure 6

To remove the battery pack release the latch on the charger for the Datalogic Skorpio™ and the latch on the gun battery pack for the Datalogic Skorpio-GUN™ as indicated in figure 7:



Figure 7

LED INDICATORS

Communication LED Status Indicators

USB MODE	
Color	Status
Red	Cradle is powered
Green	Mobile Computer inserted
Yellow	USB cable is connected

ETHERNET MODE	
Color	Status
Red	Cradle is powered
Green	Mobile Computer inserted
Yellow	Link established
Yellow Blinking	Activity

Battery Charging LED Status Indicators

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

TECHNICAL FEATURES

Electrical Features	
Power supply *	from 12 to 14 VDC ± 5%
Consumption	Max 1.6 A with mobile computer inserted
Charge time	3 h 30 mins Skorpio™ 5 h Skorpio-GUN™
Communication Features	
Interface	Ethernet 10/100 Base T, USB 1.1 version
Physical Features	
Dimensions	102 x 154 x 108 mm 4.01 x 6.06 x 4.25 in
Weight (without connection cables)	462 g / 16,30 oz
Indicators	Bicolored Communication LED Bicolored Battery charge status LED Ethernet Link LED (yellow) Ethernet Speed LED (green)
Environmental Features	
Working temperature**	0° to +50°C / 32° to 122°F **
Storage temperature	-20° to +70°C / -4° to 158°F
Humidity	90% without condensation
Degree of protection EN 60529	IP20
Electrostatic discharge EN 61000-4-2	4 KV contact / 8 KV air

\* Recommended DL power supply: FPS18.  
\*\* Batteries must be charged at a temperature ranging from 0° to 40 °C.

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.

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40012 - Lippo di Calderara  
Bologna - Italy



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DL-SKORPIO SINGLE CRADLE ETHERNET

e tutti i suoi modelli  
and all its models  
et tous ses modèles  
und seine Modelle  
y todos sus modelos

sono conformi alle Direttive del Consiglio Europeo sottoelencate:  
are in conformity with the requirements of the European Council Directives listed below:  
sont conformes aux spécifications des Directives de l'Union Européenne ci-dessous:  
den nachstehenden angeführten Direktiven des Europäischen Rats:  
cumple con los requisitos de las Directivas del Consejo Europeo, según la lista siguiente:

89/336/EEC EMC Directive	e and et und y	92/31/EEC, 93/68/EEC	emendamenti successivi further amendments ses succèsifs amendements späteren Abänderungen sucesivas enmiendas
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Basate sulle legislazioni degli Stati membri in relazione alla compatibilità elettromagnetica ed alla sicurezza dei prodotti.  
On the approximation of the laws of Member States relating to electromagnetic compatibility and product safety.  
Basée sur la législation des Etats membres relative à la compatibilité électromagnétique et à la sécurité des produits.  
Über die Annäherung der Gesetze der Mitgliedsstaaten in bezug auf elektromagnetische Verträglichkeit und Produktsicherheit entsprechen.  
Basado en la aproximación de las leyes de los Países Miembros respecto a la compatibilidad electromagnética y las Medidas de seguridad relativas al producto.

Questa dichiarazione è basata sulla conformità dei prodotti alle norme seguenti:  
This declaration is based upon compliance of the products to the following standards:  
Cette déclaration repose sur la conformité des produits aux normes suivantes:  
Diese Erklärung basiert darauf, daß das Produkt den folgenden Normen entspricht:  
Esta declaración se basa en el cumplimiento de los productos con la siguientes normas:

EN 55022 ( CLASS B ITE ), SEPTEMBER 1998:	INFORMATION TECHNOLOGY EQUIPMENT RADIO DISTURBANCE CHARACTERISTICS LIMITS AND METHODS OF MEASUREMENTS
EN 55024, SEPTEMBER 1998: AMENDMENT A1, OCTOBER 2001 AMENDMENT A2, JANUARY 2003	INFORMATION TECHNOLOGY EQUIPMENT IMMUNITY CHARACTERISTICS LIMITS AND METHODS OF MEASUREMENT

Lippo di Calderara, December 16th , 2008

Paola Chientaroli  
Quality Assurance Manager