

Datalogic Skorpio™ Serial/Modem Cradle

The Datalogic Skorpio™ Serial/Modem Cradle is a battery charger and also functions as a serial communication interface between the host computer (RS232) and the RS232 contacts on the Datalogic Skorpio™ mobile computer.

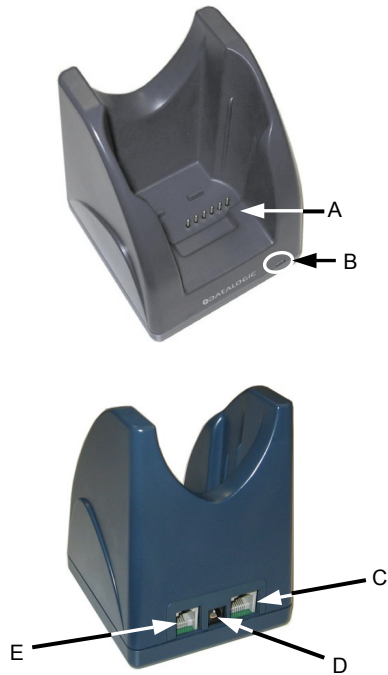


Figure 1 – Datalogic Skorpio™ Serial/Modem Cradle General View

Key:

- A) Battery recharge and RS232 contacts
- B) Power indicator LED
- C) Connector for host computer connection (RS232)
- D) Power supply connector
- E) Modem connector

Data can be transmitted to the Host launching the communication software on the mobile computer and then inserting it into the cradle slot. By inserting the mobile computer into the cradle, the mobile computer battery charging starts.

822000731 (Rev. A)

Correct Mobile Computer Insertion / Removal

For correct insertion onto the cradle, insert the mobile computer from the top of the cradle and push it down firmly.



Figure 2 - Mobile Computer Insertion

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

TECHNICAL FEATURES

| Electrical Features | |
|------------------------|----------------------------|
| Power supply * | 9 VDC Min – 30 VDC Max |
| Consumption | 12 W Max |
| Indicators | Power LED |
| Charge time | 4 Hours (Li ION batteries) |
| Communication Features | |
| Interface | RS232 |
| Baud rate | 9600 - 115200 |
| Environmental Features | |
| Working temperature | 0° to +50 °C ** |
| Storage temperature | -20 °C to +60 °C |
| Humidity | 90% non condensing |
| Degree of protection | IP20 |
| Mechanical Features | |
| Dimensions | 85 x 106 x 90 mm |
| Weight | 350 g |

* Recommended DL power supply: FPS18.

** Batteries must be charged at a temperature ranging from 0° to 45 °C.

CONNECTIONS



Connections should always be made with power OFF!

CAUTION

Datalogic Skorpio™ Serial/Modem Cradle can be connected to a Host by means of an RS232 interface or can provide a modem connection by means of the integrated modem through the RJ11 phone connector.

RS232 Connection

The Datalogic Skorpio™ Serial/Modem Cradle can be connected to the Host by means of cable 94A054000 for 9-pin connections. The RJ45 connector of the cable must be connected to the RS232 port of the cradle.

Then, it is necessary to insert the power supply plug into the power jack on the base of the cradle and attach the power supply to a power outlet.

Once the Host has been turned on, insert the mobile computer into the cradle.

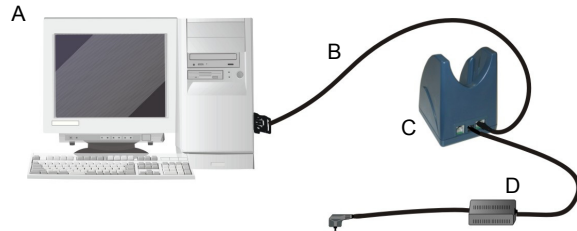


Figure 4 - RS232 Connection

Key:

- A) Host computer
- B) 94A054000 9-pin serial cable
- C) Datalogic Skorpio™ Serial/Modem Cradle
- D) 94ACC4595 FPS18 power supply without power cord
94ACC1150 Power cord EU 3-pin

Pinout

The cable 94A054000 allowing the RS232 connection has the following pinout:

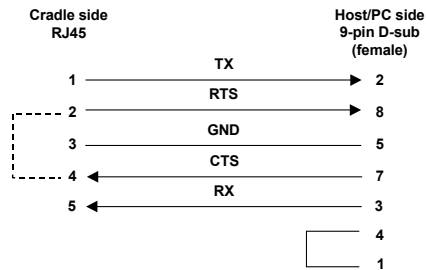
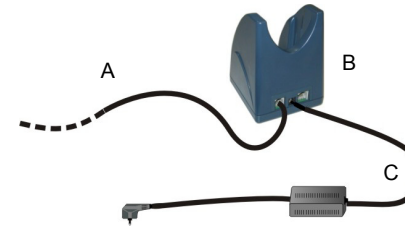


Figure 5 - Cable 94A054000 Pinout

Modem Connection

The Datalogic Skorpio™ Serial/Modem Cradle has an integrated modem and provides a modem connector which can be used with an RJ11 connector. It can be connected to a telephone line to transfer data to a Host.



Key:

- A) Phone line to remote Host
- B) Datalogic Skorpio™ Serial/Modem Cradle
- C) 94ACC4595 FPS18 power supply without power cord

| Pin | Name |
|-----|---------------|
| 1 | not connected |
| 2 | TIP |
| 3 | RING |
| 4 | not connected |

It is not possible to use the serial connection and the modem connection at the same time.



CAUTION

By default, the Datalogic Skorpio™ Serial/Modem Cradle allows serial communication through the rear RS232 connector. It is mandatory to use an appropriate custom software application in order to use the cradle integrated modem port.

Power Supply

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

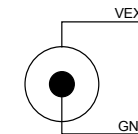


Figure 3 - Power Supply Polarity



NOTE

To reduce electrical noise, install the included ferrite onto the cradle side of the power cord. Wind the power cord three times around the ferrite, as shown in the figures below.

