◆DATALOGIC™

Datalogic Memor™ Single Cradle

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

The communication between the mobile computer and host PC through the Datalogic Memor™ Single Cradle may occur also by using the standard ActiveSync® connection.
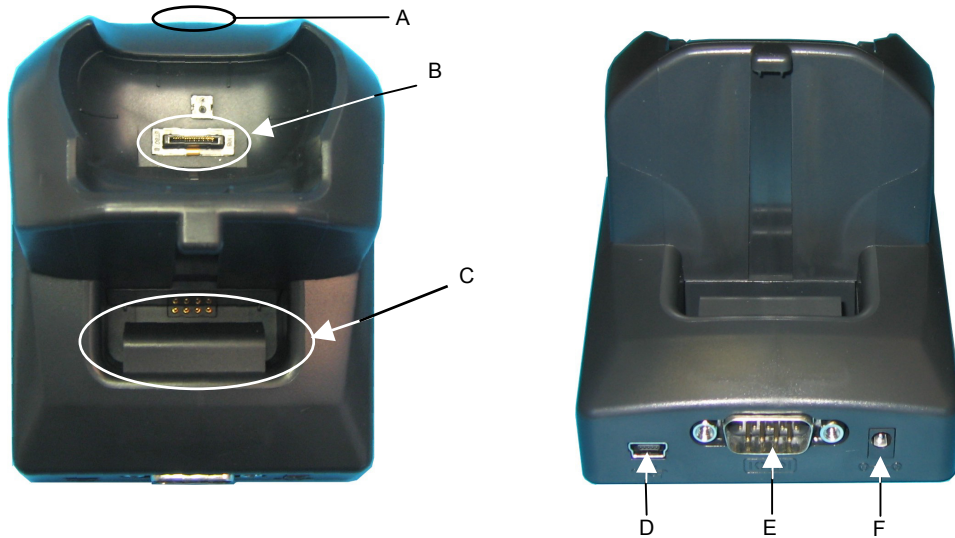

Figure 1 – Datalogic Memor™ Single Cradle

A) LED Indicators
B) Mobile Computer Contacts
C) Spare Battery Slot
D) Mini USB Connector
E) RS232 Connector
F) Power Jack

The Datalogic Memor™ Single Cradle is a serial communication adapter between the host computer and the Datalogic Memor™ mobile computer, and as such, no power supply is required to be connected to the Cradle for communications.

Since the Datalogic Memor™ Single Cradle also functions as a battery charger, a power supply is required for battery recharging operations, both for the mobile computer and spare battery pack recharging. The spare battery pack recharging slot can supply a 1000 mAh as well as a 2000 mAh Li-Ion Battery pack.

TECHNICAL FEATURES

Datalogic Memor™ Single Cradle	
Electrical Features	
Power Supply*	from 5 VDC ± 5%
Consumption	Max. 2.5 A
Indicators	Power on LED (green) Spare battery charge LED (bi-colored)
Charge Time	1000 mAh Li-Ion Battery: max. 3 hours
	2000 mAh Li-Ion Battery: 4.5 hours with terminal inserted, 3.5 hours without terminal
Communication Features	
Interface	RS232, USB 1.1 version
Baud Rate	RS232 = up to 115200 b/sec; USB = up to 12 Mb/sec
Environmental Features	
Working Temperature**	0° to +50 °C (+32° to +122 °F)
Storage Temperature	-20° to +65 °C (-4° to +149 °F)
Humidity	80% non condensing
Degree of Protection	IP50
Mechanical Features	
Dimensions	105 X 75 X 80 mm (4.13 X 2.95 X 3.15 in)
Weight	256 g (9.03 oz)

*   Recommended power supply: 94ACC1324 PG5-30P35 AC/DC POWER SUPPLY EU/USA PLUG.

**   Battery must be charged at a temperature ranging from 0° to +45 °C (+32° to +113 °F).

FCC COMPLIANCE

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.

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.

By inserting the Datalogic Memor™ into the cradle, data can be transmitted to the host and its battery begins charging if the power supply is connected. In addition, a spare battery can be charged by inserting it into the slot at the back of the Datalogic Memor™ Single Cradle as shown in the following figure.

Figure 2 – Datalogic Memor™ Single Cradle Charging and Communication

The LEDs positioned on the front part of the Datalogic Memor™ Single Cradle (see figure below) indicate the cradle and spare battery charger status:

Figure 3 - LED Indicators

LED	STATUS	
Charger	Red Constant	Spare battery charging*
	Green Constant	Spare battery charge completed
Power	Green	it is constant when the cradle is powered

* During charging, the LED may turn off to indicate a temporary suspension of charging.

The Datalogic Memor™ Single Cradle can be connected to a host by means of a USB interface or an RS232 interface.

USB CONNECTION

The Datalogic Memor™ Single Cradle can be connected to the host by means of any standard Mini USB cable.

Once the host has been turned on, insert the Datalogic Memor™ mobile computer into the cradle.
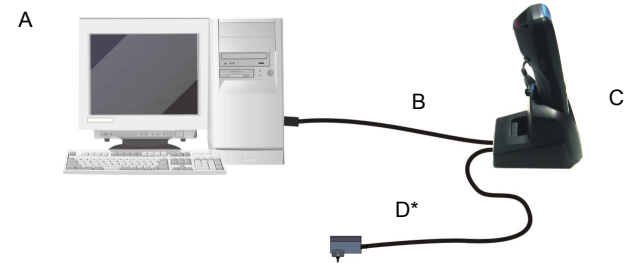

Figure 4 - USB Connection

A) Host Computer
B) Std Mini USB (i.e. 94A051016 CAB-421)
C) Datalogic Memor™ Single Cradle
D) *Power Supply (only necessary for battery charging)

* Recommended power supply: 94ACC1324 PG5-30P35 AC/DC POWER SUPPLY EU/USA PLUG.

RS232 CONNECTION

A Datalogic Memor™ Single Cradle can be connected to the host by means of any standard null modem cable. The 9-pin female D-Sub connector must be connected to the RS232 port of the cradle.

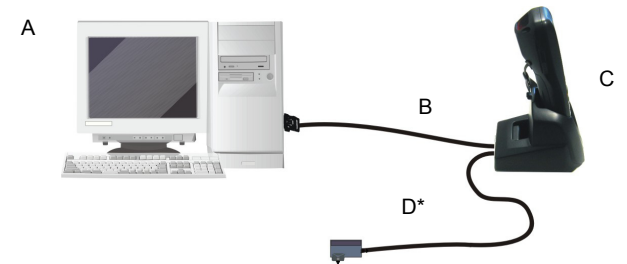Once the host has been turned on, insert the Datalogic Memor™ mobile computer into the cradle.

Figure 5 - RS232 Connection

A) Host Computer
B) Null Modem cable (i.e. 94A051020 CAB-427)
C) Datalogic Memor™ Single Cradle
D) *Power Supply (only necessary for battery charging)

* Recommended power supply: 94ACC1324 PG5-30P35 AC/DC POWER SUPPLY EU/USA PLUG.