

CONNECTION

The Datalogic Jet™ Single Vehicle Cradle can be connected to a host by means of an RS232 interface.

RS232 Connection

The Datalogic Jet™ Single Vehicle Cradle can be connected to the host by means of any standard null modem cable. A 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 Jet™ PDA into the cradle.

Pin 9 of the Vehicle Cradle RS232 connector (normally not connected in null modem cables), supplies regulated +5 Vdc ± 5% 500 mA max power.

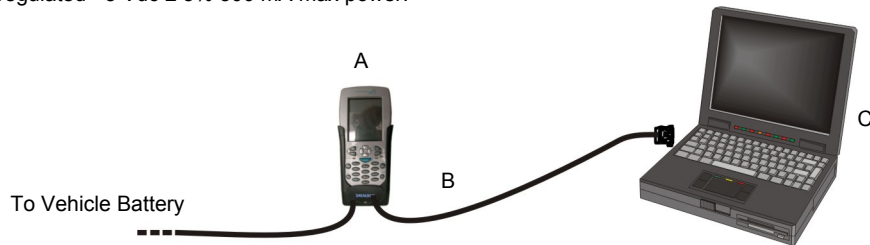


Figure 7 - RS232 Connection

- A) Datalogic Jet™ Single Vehicle Cradle C) Host Computer
 B) Standard Null Modem Cable

TECHNICAL FEATURES

Datalogic Jet™ Single Vehicle Cradle	
Electrical Features	
Power Supply	from 10 to 32 VDC
Consumption (with PDA)	Max. 1.5 A
Quiescent Consumption (without PDA)	Max. 5 mA
Indicators	Power on LED (green)
Charge Time (when PDA is off)	Li-Ion Battery: max. 2.5 hours
Communication Features	
Interface	RS232
Baud Rate	RS232 = up to 115200 b/sec
Environmental Features	
Working Temperature*	0° to +50 °C / +32° to +140 °F
Storage Temperature	-20° to +70 °C / -4° to +158 °F
Humidity	90% non condensing
Degree of Protection	IP30
Vibration Resistance**	EN60068-2-64 – 3g ² /Hz 10 to 1000 Hz, 1 h per each axis
Shock Resistance	EN60068-2-29 – ±25g, 6ms duration, 500 shock impacts per axis
Mechanical Features	
Dimensions	240 x 79 x 48 mm / 9.45 x 3.1 x 1.9 in
Weight	(about) 200 g / 7.05 oz

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

** for screw mounting.

COMPLIANCE



Datalogic Jet™ Single Vehicle Cradle

The Datalogic Jet™ Single Vehicle Cradle allows charging the Datalogic Jet™ PDA battery and holding it securely in your vehicle. It also functions as a serial communication interface between a Host (typically a Laptop PC) and the RS232 contacts on the PDA.

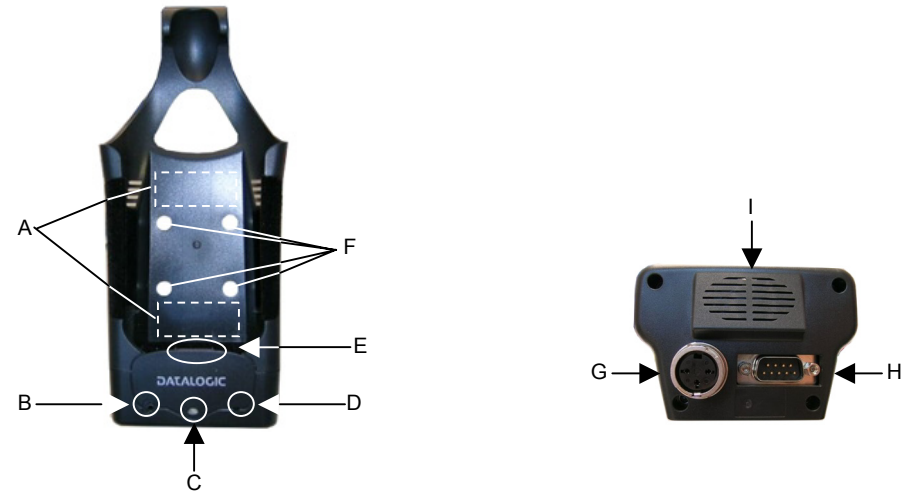


Figure 1 – Datalogic Jet™ Single Vehicle Cradle

- A) Velcro Adhesive Strip Seats F) Mounting Holes
 B) Earphone Jack G) Power Connector (Jack)
 C) LED Indicator H) RS232 Connector
 D) Microphone I) Loudspeaker
 E) PDA Contacts

Earphone jack, microphone and speaker allow managing a vocal communication (see Datalogic Jet™ User's Manual for details). In particular, two different cradle models are available:

- Loudspeaker model: vocal communication available through either the built-in speaker and microphone or a hands free head-set;
- Standard model: communication available only through hands free head-set.

MOUNTING THE DATALOGIC JET™ SINGLE VEHICLE CRADLE

The Datalogic Jet™ Single Vehicle Cradle can be mounted to the desired surface using either the 4 adhesive Velcro strips or the 4 screws.

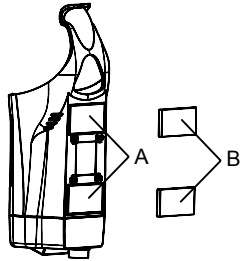


Figure 2 – Mounting with Velcro Strips

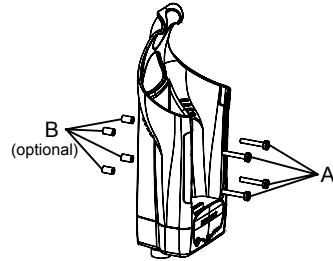


Figure 3 – Mounting with Screws

Mounting with Velcro Adhesive Strips (see Figure 2)

This procedure is suggested when mounting the cradle on flat surfaces:

1. Select a mounting location allowing an easy access to the cradle connector panel;
2. Carefully clean the adhesive strip seat of the rear of the cradle (see Figure 1) to remove any impurities that could reduce adhesion;
3. Remove the protection film from the adhesive side of two of the available Velcro strips and stick them on the cradle surface, see Figure 2, A;
4. Remove the protection film from the adhesive side of the two remaining Velcro strips and stick them on the vehicle surface (smooth and clean for better adhesion), see Figure 2, B;
5. Affix the cradle to the vehicle surface.

Mounting with Screws (see Figure 3)

This procedure is suggested when mounting the cradle on curved surfaces. It is possible to use 4 self-tapping screws or 4 screws with nuts according to the user's needs:

1. Select a mounting location allowing an easy access to the cradle connector panel;
2. Insert the four screws in the cradle mounting holes, see Figure 3, A;
3. One or more spacers can be used optionally to compensate for mounting to irregular surfaces, see Figure 3, B;
4. Affix the assembly to the vehicle surface by means of the four screws (tighten with nuts if not using self-tapping screws).

POWERING THE DATALOGIC JET™ SINGLE VEHICLE CRADLE

Once the cradle has been mounted, it is necessary to prepare the power cable termination to connect the cradle to the vehicle power source.

- Brown wire: connect to a V+ (10 to 32 Vdc) vehicle power source;
- Blue wire: connect to the vehicle ground wire or chassis ground;
- Green/Yellow wire: not to be connected.

For connection to the vehicle power source it is possible to use the in-line fuse (with holder) supplied with the cradle.

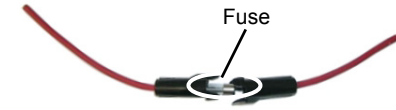


Figure 4 – Fuse Holder

Verify that the 8 A slow-blow fuse is contained within the holder, then splice it to the end of the brown wire of the cable. Make the distance between fuse holder and power connection point as short as possible and apply a caution label on the fuse holder.

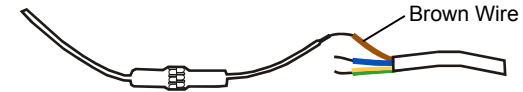


Figure 5 – Fuse Holder Connection

Once the power cable termination has been completed, it is possible to connect the Datalogic Jet™ Single Vehicle Cradle to the vehicle power.

INSERTING THE DATALOGIC JET™ SINGLE VEHICLE CRADLE

For correct functioning insert the PDA into the cradle by lightly pushing it towards the upper part of the cradle retaining clip. Then, push it down until the retaining clip clicks.

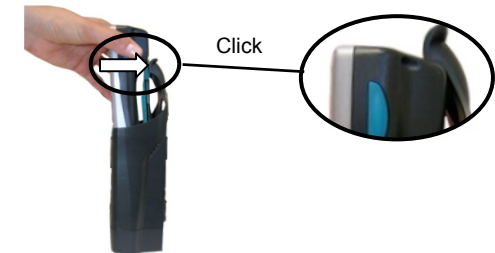


Figure 6 – Inserting the PDA into the Datalogic Jet™ Single Vehicle Cradle

When the cradle is powered, insert the PDA and the green LED will turn on. If the PDA is not inserted, the LED remains off while the cradle is still powered.

ACCESSORIES

- | | | |
|-----------|---------------------------------------|---|
| 94A051013 | WIN-NET VEHICLE POWER CAB (CRADLE) | Cable containing an 8A slow-blow fuse for powering the vehicle cradle from the car cigarette lighter. |
| 94ACC1306 | ADJUSTABLE ARM KIT FOR VEHICLE CRADLE | positionable arm for mounting the cradle in the vehicle |