

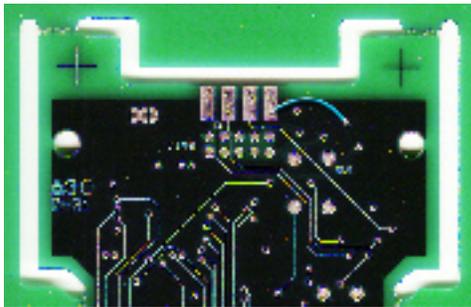
Upgrade Sidewinder To Supply Power To The Sidewinder Bluetooth Module

This document describes a hardware upgrade that can be applied to Portable Sidewinder units with serial numbers 871228 and lower, and to Sidewinder XR units with serial numbers 876084 and lower.

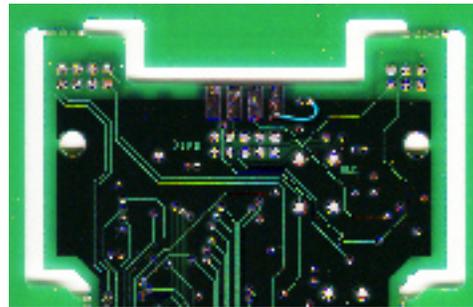
The upgrade provides 5V DC power to Pin 9 on the RS-232 jack. This 5V power is used by the Sidewinder Bluetooth Module to operate without the need for an external power supply. Since Pin 9 on the RS-232 jack is typically unused by most other devices (such as PDAs and most serial cables), making this modification should not interfere with any other device that is normally connected to the Sidewinder's serial port.

How To Upgrade Sidewinder Portable

1. Remove the batteries.
2. Remove the two screws on the back of Sidewinder and lift off the back of the clamshell case.
3. Disconnect the cable connecting the XLR panel to the Sidewinder PCB and lift the XLR panel out of the case.
4. Lift the Sidewinder PCB stack out of the case (lift from the bottom edge to release the RS-232 jack from the case).
5. Remove the four screws that hold the PCB stack together and set aside the screws, spacers and hex standoffs.
6. Gently pull apart the two PCB boards.
7. On the underside of the top PCB (the one with the switches), add a small wire between the indicated solder point and the Pin-9 connector as shown below:



SD-100 Series Sidewinder Portable



SD-250 Series Sidewinder Portable

8. Reassemble the PCB stack. Screws go through from the bottom PCB (the one with the batteries), the nylon spacers go between the boards and the aluminum hex standoffs attach to the top (on the side with the switches).
9. Insert PCB stack and XLR panel back into the case. Reattach the XLR panel connector (the green wire goes closest to the printed triangle on the PCB).
10. Replace the back cover and replace the two screws that hold the two halves together. Note that if the screws are over tightened, the front panel buttons may not work properly – simply back off the tension on the screws.
11. Insert batteries and test.

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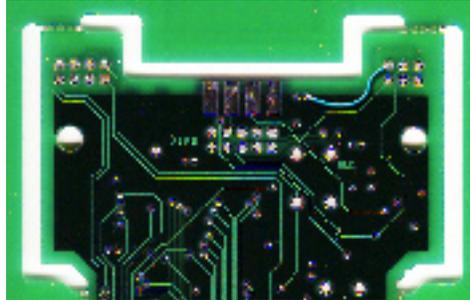
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How To Upgrade Sidewinder XR

1. Disconnect power from the unit.
2. Remove the single screw from the top center of the back of the lid and slide the lid off.
3. Disconnect the four cables from the main PCB.
4. Remove the 6 screws that hold the PCB in place and lift the main PCB out of the case.
7. On the underside of the PCB, add a small wire between the indicated solder point and the bottom of the RS-232 connector as shown below:



SD-XR850 Series Sidewinder XR

8. Replace the PCB and secure with the six screws from step 4.
9. Reattach the four cables removed in step 3.
10. Replace the lid and secure with screw from step 2.
11. Apply power and test.

How To Get Assistance

If you have difficulties or concerns upgrading your Sidewinder, we're here to help. Contact our technical support department at support@interactive-online.com or 678-455-9019.

We also offer a service to perform the upgrade for our users for a nominal fee. Please contact sales for additional information.