

# Volunteer Satellite Distributors

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Authorized Motorola Satellite Receiver Distributor

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## DSR905 Sidecar Polarity Lockup Fix

This information was obtained from the 4dtv Forum at Delphi Forums

If you have a 905, you may have noticed that when you switch to the analog receiver, either with the 905 on or off, there is a tendency for the 905 to control the polarity on the analog receiver, whether you like it or not.

The solution is to purchase a DPDT switch (\$3 for fancy Radio Shack) and connect the 5 volt and Pulse lines from the dish to the common terminals on the switch. Connect the 905 5 volt and Pulse to one side of the switch and the analog receiver 5 volt and pulse to the other side. Connect the ground wire to both sides of the ground on the 905. While switched to digital mode, the connection is like the switch is not there. But while switched to analog mode, the polarity switching is done as if the 905 is not there.

An added advantage is that polarity switching now takes less than a second in analog mode, as opposed to 2 to 20 seconds when connected to the 905. It doesn't seem to matter whether either the analog receiver or 905 has power or not, since no power passes until a transponder is changed.