



BigSound™ P14

Low Power DCC Supplement

Phoenix Sound Systems, Inc.
3514 West Liberty Road
Ann Arbor MI 48103
www.phoenixsound.com

phone: 800-651-2444
fax: 734-662-0809

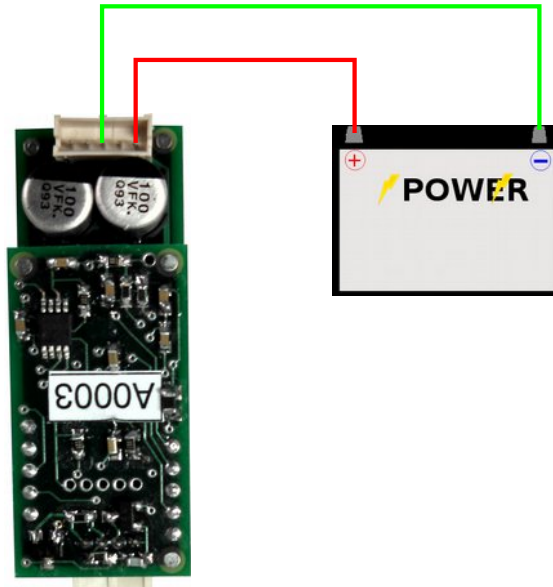
e-mail: phoenixsound@phoenixsound.com

Enabling the Low Current DCC Input

With some battery powered DCC receivers, like Airwire, it is possible to separate the power and DCC signals to lower the load on the receiver's DCC output.. By default the P14 is set to derive DCC and power from the same source, ie the track.

To separate the DCC feed from the power feed connect a battery between P1:1 and P1:3 [see illustration below] and then disconnect the battery after a few moments. This will break a microtrace on the circuit board and separates the DCC signal (now on P1:3) from the power feed (P1:1). The main battery should now be connected to P1:1 and P1:2, polarity actually does not matter in this configuration. The receiver's DCC output should now be connected to P1:3.

PLEASE NOTE THAT THIS SEPARATION CAN BE REVERSED IF YOU EVER MOVE THE P14 TO A LOCOMOTIVE THAT DOES NOT RUN ON BATTERY POWER. YOU MAY SIMPLY CONNECT THE GREEN WIRE FROM P1:3 TO ONE OF THE TRACK PICKUPS OR YOU CAN CALL PHOENIX AND WE WILL INSTRUCT YOU WHERE A SOLDER CONNECTION MAY BE RESTORED ON THE CIRCUIT BOARD.



CVP miniAirWire900™ Convtr – Low Power DCC Option

DO NOT USE THIS WIRING DIAGRAM UNLESS YOU HAVE ISOLATED THE DCC AND POWER FEEDS USING THE DIRECTIONS ON PREVIOUS PAGE.

