



# TECHNICAL DATA

## signal processors

**Who:**

phoenix gold  
tech department

**What:**

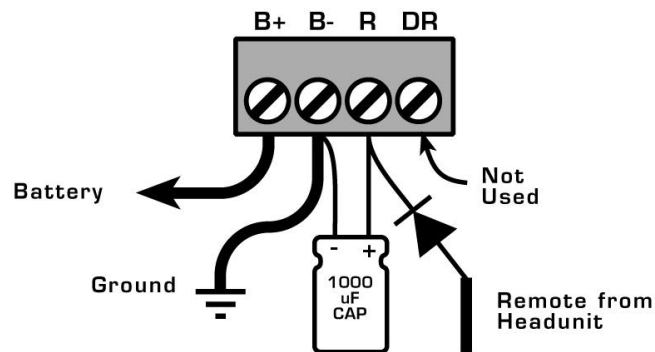
how to delay  
the turn-off of  
a phoenix gold  
signal processor.

**Example:** The system has a turn-off pop or tick noise. It is possible that one of the signal processors is producing the offending noise and the amplifiers don't turn off fast enough to avoid reproducing it. Delaying the processor's turn-off for a few seconds allows the amplifiers to turn off before the processor produces the noise.

You will need a 470 uF, 1,000 uF or 2,200 uF, 16-20 volt DC, polarized capacitor and a 1N4002 (or equivalent) 2 amp diode.

1. Bypass each processor one at a time until the noise disappears.
2. Install the capacitor across the B- and Remote terminals as shown below. Make sure you get the polarity right! The cap's negative lead connects to the B- terminal and the cap's positive lead connects to the Remote terminal along with the cathode side of the diode.
3. Connect the remote turn-on wire to the anode side of the diode.

Do not use the Delayed Remote output with this setup.



approx. 2 seconds	=	470 uF, 16-20 volt DC, polarized cap
approx. 4 seconds	=	1,000 uF, 16-20 volt DC, polarized cap
approx. 8 seconds	=	2,200 uF, 16-20 volt DC, polarized cap
Diode	=	1N4002 or equivalent (2 amp)