

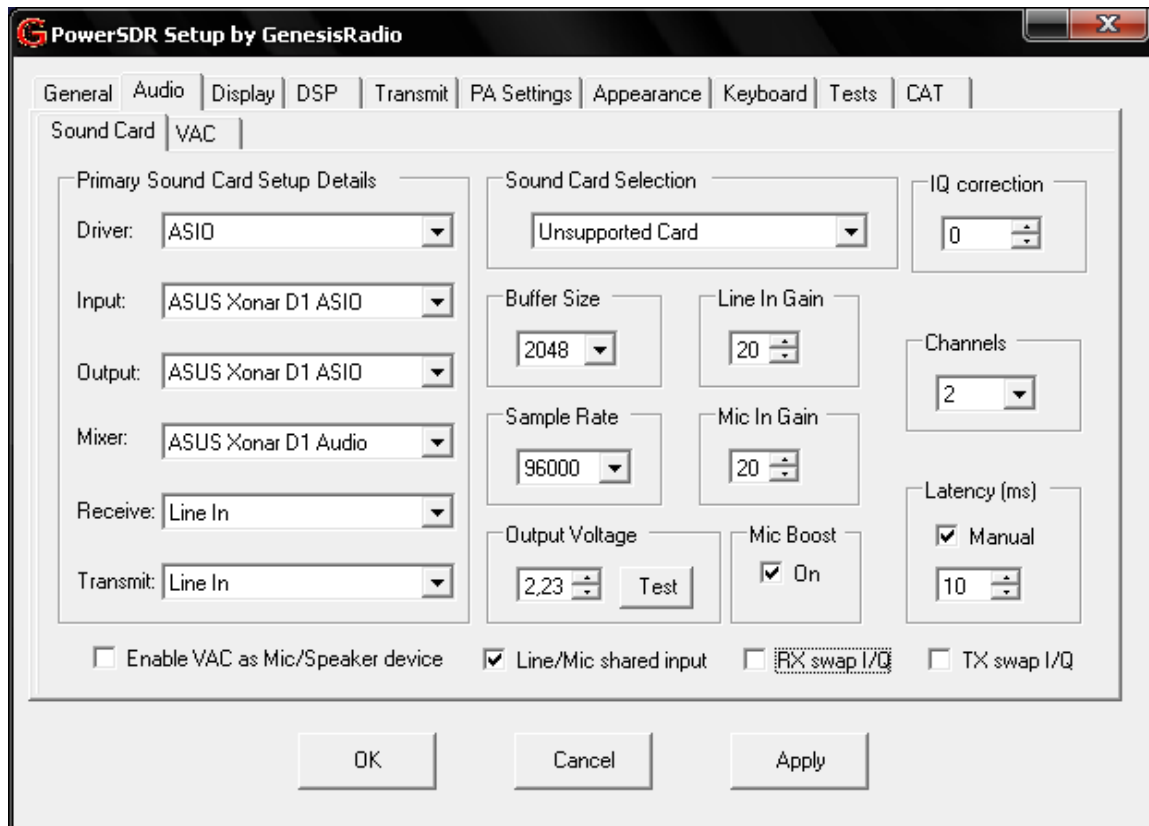
G59 / GSDR Single Sound Card Setting

by YT7PWR

The Genesis G59 MK2 has the capability to work SSB with a sound card which has only one input (usually called "Line In"). To make this option possible, make sure that your G59 microcontroller has been upgraded to the latest firmware version 1.0.8.

Also verify that your version of the GSDR is v1.1 11112010 (November 11, 2010) or later.

Start up the GSDR as you normally would. In Setup-> Audio tab there is a new option: "Line / Mic input shared" which needs to be checked.



Note that in the example above, Asus Xonar D1 and ASIO drivers are used. Settings for the "Line In Gain" and "Mic In Gain" have no effect and it is necessary to manually open the Asus mixer and set the values for Line-in and Line-out. The rest of the settings visible in the above image are individual for each user and depend on the user's PC configuration (don't forget level calibration!).

Connecting the G59 MK2 is standard: the audio output of the G59 is connected to the Line-in of your audio card, the audio card's output is connected to the audio input on your G59 and the external microphone is connected to the Mic input of the G59. The G59 MK2 integrated microphone amplifier signal level is quite satisfactory and needs only a small correction with the "Mic Gain" slider on the GSDR main screen.

Using the GSDR is straight-forward. During RX/TX transition, there is no signal source switch in the Windows audio mixer. You can only hear the relays on the G59 board.