SunSDR2 settings for ModMic

For DXing and contesting the ModMic is the perfect solution. Attach it you your favourite noise cancelling headphones and you have the perfect amateur radio headset with a high quality communications microphone.

Its characteristics makes it pick up more of you and less of the room by attenuating the background noise from amplifier fans, street noise, other operators etc.

The electret microphone element is designed to pick up a full range of the voice spectrum with a frequency response from 100 hz to 10 kHz. For more demanding DX and contesting applications the general recommendation is to cut low frequencies and boost higher frequencies in the speech spectrum for better intelligibly in crowded situations like pileups and contest QRM.

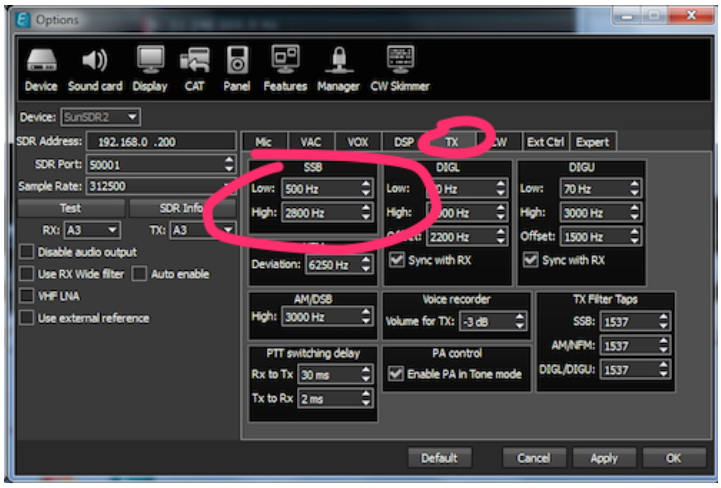
On next page you will find suggested settings for the SunSDR2 transceiver to optimise the frequency response for the best intelligibility when busting pileups or working contests.

Step 1.

Connect your ModMic to the SunSDR2 transceiver and make sure you are getting audio. You can listen to the transmit audio by pressing the MON button in the ExpertSDR2 main window. Make sure your level and compression settings results in the proper levels.

Step 2.

Adjust the SSB transmit settings for low cutoff at 500 Hz and high cutoff at 2800 Hz. You find these settings in the Options window under the TX tab. Se the image below.



Step 3.

Open the equaliser window by pressing the EQ button in the main window, then chose the Transmitter tab. On this tab do the adjustments suggested.

	31	63	87	125	175	250	350	500	700	1.0k	1.4k	2.0k	2.8k	4.0k	5.6k	8.0k	11k	16k
PiUP Spec	-15	-15	-15	-15	-15	-15	-15	-3	-3	0	3	6	8	8	3	-3	-7	-15
HC4	-15	-15	-15	-15	-15	-15	-15	-3	-3	0	5	10	12	10	3	-3	-7	-15

Pileup Special is the preferred characteristics giving a good punch and high intelligibility when busting pileups or working contests. It is a slightly brighter version of the familiar HC4 characteristics.