Recommended DSP Settings for Heil Microphones

To achieve maximum audio quality it is important to adjust the DSP settings of your transmitter when using Heil microphones. We present a few starting points for a few of the most popular transceivers. These are merely starting points. You should fine tune these settings based on your voice, acoustics and set up.

The only way to truly know how you sound to the outside world is to transmit into a dummy load and listen in a nearby receiver with quality headphones, such as the Heil ProSet. Listen in the same bandwidth you are transmitting in and then you will be able to fine tune your initial settings.

iCOM 746 PRO, 756 PRO, iC 7800

Mic gain	3/4 open
Bass	-2 dB
Treble	+5 dB
Wide compression	on 10 o'clock
Vox	65%
Anti-Vox	10%
Delay	8%

It is very important to monitor your signal in another receiver. This rig has incredible parameters that can change the sound of the microphone or the key elements.

iCOM 706

Proc. On	-10 dB
Mic Gain	9
Menu Q4 or Q6	-200 to +200

Offset is very important for transmitted audio tone

iCOM 746 (not PRO)

Menu M1 and F4: TCN	+10 dB
Mic Gain	3/4 open
Compression always	on 10 o'clock

iCOM 7000 (using HC elements wide)

TBW	200 - 2900 Hz
Mic Gain	60% (where ALC is perfect)
Comp	4

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Kenwood 950 SDX

Menu #20	-100
Menu #21	-3100

Kenwood 870

Menu #29 Bandwidth	3000 Hz
Menu #30 Bandshift	0 or 100
Menu #31 TX EQ	H or C
Menu #22 Mic AGC	start @1 (try 0 or 2)

Kenwood 570

Menu #13 Bandwidth	2.4 kHz
Menu #14 TX EQ high boost	H
Microphone Gain (default level)	50

Kenwood 2000

Menu #22 Bandwidth	3000 Hz
Menu #21 TX EQ	H or C
Menu #20 RCV EQ	C or Off
Microphone gain default level	50

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Yaesu 1000 MP

Menu #4-4 (TREDSP)	3
Menu #5-9 (TFIL)	6.0
Menu #7-7 (SSBT)	100-3100
Menu #8-9 (TLSB)	-200
(PROCLSB)	.08 + .06
(TUSB)	-200
(PROCUSB)	.08 - .06
4 dB processing	

Yaesu FT 100

Menu #25 Mic Gain	85
Menu #16 Mic EQ	3
Menu #64 XMT Carrier shift	-.05 to +.05
Menu #65 SMT Carrier shift	+.05 to -.05
Menu #27 Compressor level	80
64 and 65 carrier point is very important	

Yaesu FT 2000/950/ FTdX 9000

note: The menu numbers are different, but the functions are identical

SSB TX Bandwidth	
Fidelity	200-2800 Hz
DX	400-2600 Hz
EQ1 Center frequency	200 Hz
bandwidth	2
level	-8 dB
EQ 2 Center frequency	900 Hz
bandwidth	2
level	-6 dB
EQ 3 Center frequency	2100 Hz
bandwidth	2
level	+8 dB

Processor: Off or On with low levels of compression

Yaesu FT 450

Mic Gain	NOR (default setting)
Equalizer	2 (for everyday) 9 (for DX/Contest)