

Yaesu FT-991A HF/VHF/UHF Multimode Transceiver Improved HF SSB TX Equalizer settings with included MH-31 Hand Microphone

Original FT-991 Report / Research : Zygmunt Szumski SP5ELA

https://sp5ela.rf.pl/images/stories/trx-yaesu/FT-991/Articles/FT-991_EQ_parameters-menu-settings-by-SP5ELA.pdf

Testing / Additional Text / Menu numbers edited for the FT-991A : Dave Zantow N9EWO

These settings also apply to other Yaesu HF transceivers with the same EQ settings **and include a MH-31 mic** :
FT-950, FT-991, FTDX1200, FT-2000E/D, FTDX3000, FTDX5000 etc..

* - Menu locations listed below are for the **FT-991A** (others will vary, please see owners manual).

IMPORTANT : Be sure and turn ON "MIC-EQ" in the main menu for these settings to take effect.

SP5ELA equalizer settings including for different SSB TX audio bandwidths

FT-991A * Menu	Description	Available Settings	Factory Default	SP5ELA Narrow	SP5ELA Standard	SP5ELA N9EWO FAVORITE	SP5ELA
110	SSB TX BPF		300-2700	400-2600	300-2700	200-2800	100-2900
119	PRMTRC EQ1 FREQ	OFF/100-700 (100/step)	OFF	200	200	200	100
120	PRMTRC EQ1 LEVEL	-20 - 0 - 10	5	-8	-8	-8	-10/-8/-6
121	PRMTRC EQ1 BWTH	1 - 10	10	2	2	2	2
122	PRMTRC EQ2 FREQ	OFF/700 - 1500 (100/step)	OFF	1100	1100	1100	1100
123	PRMTRC EQ2 LEVEL	-20 - 0 - 10	5	5	5	5	5
124	PRMTRC EQ2 BWTH	1 - 10	10	2	2	2	2
125	PRMTRC EQ3 FREQ	OFF/1500 - 3200 (100/step)	OFF	2300	2300	2300	2300
126	PRMTRC EQ3 LEVEL	-20 - 0 - 10	5	7	7	7	7
127	PRMTRC EQ3 BWTH	1 - 10	10	4	4	4	4
128	P-PRMTRC EQ1 FREQ	OFF/100 - 700 (100/step)	200	200	200	200	100
129	P-PRMTRC EQ1 LEVEL	-20 - 0 - 10	0	-8	-8	-8	-10
130	P-PRMTRC EQ1 BWTH	1 - 10	2	2	2	2	2
131	P-PRMTRC EQ2 FREQ	OFF/700 - 1500 (100/step)	800	1100	1100	1100	1100
132	P-PRMTRC EQ2 LEVEL	-20 - 0 - 10	0	5	5	5	5
133	P-PRMTRC EQ2 BWTH	1 - 10	1	2	2	2	2
134	P-PRMTRC EQ3 FREQ	OFF/1500 - 3200 (100/step)	2100	2300	2300	2300	2300
135	P-PRMTRC EQ3 LEVEL	-20 - 0 - 10	0	7	7	7	7
136	P-PRMTRC EQ3 BWTH	1 - 10	1	4	4	4	4

Menu 119 to 127 : Microphone amplifier without compressor.

Menu 128 to 136 : Microphone amplifier with compressor.

Stock MH-31 hand microphone (unmodified).

Microphone rear switch position 1 or 2 (2 gives slight bass cut off , preferred by N9EWO).

MIC GAIN : 30~50

Compression (PROC) level : 50 (25~30 preferred by N9EWO).

NOTE : We tested other settings as given on You Tube / eham and elsewhere. The SP5ELA numbers above were clearly the **WINNER** with the clearest sound and much less bassyness for our desires with the MH-31 hand microphone on HF. N9EWO favorite settings as marked above. Many thanks to Mr. Szumski. Factory defaults are totally unacceptable in our view !