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K3 AGC settings comments, in order of
importance. (arbitrary scale..mine) Aimed at
CW use only.

Note: assumption made for latest updates
to firmware and software. THR is changed
for sure in recent updates.

Parameter	Range	Function	CW effect	VE1ZAC	VE1RGB
AGC SLP	0 - 15	Slope: range of AGC action. Higher makes all sigs same audio level, <u>including</u> noise. Medium to low is desirable.	High is not a good idea. Might be workable for ragchewing in clear, but lower value reduces noise gain, and needed to pick out signals in DX or contests. 10 to 12 max seems good.	12	10
AGC THR	0 - 20	Threshold: where AGC action starts. Higher value means less AGC until strong sigs. Low value , 0, means AGC all the time.	No big CW effect but too high means you HAVE to ride RF gain control, and hard on hearing and tinnitus issues. 5 to 7 max seems common. I find 7 (max) allows ignoring RF gain. Use ATT occasionally on strong band conditions. Save your hearing !	7	10
AGC PLS	nor - off	Allows NB (noise blanker) to interact with AGC	If you have pulse noise issues, you want this at nor (normal)	nor	nor
AGC HLD	0 - 2.0	AGC hold time, in seconds, for AGC S (slow) mode, after signal drops	This affects the signal AGC release time, when you tune away. This can have a dramatic effect on band noise. Higher number is good, but too high means you might miss the next signal you come across if you are tuning very very fast. .5 to 1.0 is common.	1	0.05
AGC DCY	nor - soft	Decay rate. Can affect AGC "thumping"	Everyone seems to leave this at soft .	soft	soft
AGC F	80 - 200	AGC Fast , higher number is faster decay rate.	Everyone seems to leave this between 80 and 120 . I prefer 80.	80	120
AGC S	5 - 40	AGC Slow, higher number means faster decay rate	Everyone seems to leave this at 20	20	20
RF gain		There are lots of users who can't get AGC to work for them and constantly ride the RF gain control. It would appear they haven't really played with AGC settings enough since there is plenty of reporting about folks getting AGC to work fine for them in every situation.	I don't personally think it's necessary. The occasional ATT engagement when there are tons of strong signals seems to bring everything back into range.	No	Yes
Audio hiss and noise		This is a defacto K3 issue, and won't go away. But, you can do something about it.	If AGC THR and SLP are adjusted as above, noise is much better. K3 internal speaker is noisy. Found using SP20 passive filtered external speaker big help. Others use external audio system. I use the SP20 system for headphone as well, as it has filtering.	Yes	Yes
Equalizer RCV adjust		K3 has separate receive and transmit equalizer for SSB. Worth playing with this, not drastic changes.	Adjust equalizer to suit, but doesn't really deal with hiss or noise, just sound of audio.	Yes	Yes
References		Best one I found is Jack Smith at Clifton Laboratories . There are many other references by users. I looked at about 20 different reports. K3 manual is a bit cryptic on this subject, so worth looking for other material.			
S Meter		If you turn the RF gain control, you loose S meter cal. I like to look at this occasionally, so it is an issue.	See AGC THR. If you keep this below 7 , there is still some S meter functionality.		