

Galaxy DX Radios DX2517

Documentation Project

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Receiver Alignment

See [Alignment Locations](#)

SETTINGS	CONNECTION	ADJUST	ADJUST FOR
AM/FM RF & IF SENSITIVITY: Set Radio to, Band D, CH. 1 Mode AM DIM/OFF/40dB switch to OFF RX/TX/OFF/RX switch to RX/TX Clarifier controls at center detent. RF GAIN fully clockwise. SQUELCH fully counter clockwise NB/ANL to OFF VOLUME to comfortable level. RF Generator output to input frequency of radio at 10uV modulated 30% with 1KHz audio tone.	Connect AF VTVM or scope across speaker terminals. RF Generator to ANT Jack	L5,L6,L7 L8, L9,L10 L2,L3	Adjust for max. output reading on AF VTVM or Scope. Check for RX sensitivity of .5uv at 10dB S/N
		L5,L6	Check sensitivity on Band A, Ch.1, then Band F, Ch.40. If necessary, retune L6 & L7 to balance RF sensitivity from lowest to highest frequency.
SSB IF SENSITIVITY: Set mode to USB. Set RF Generator output up 1KHz for USB at 1uV, no modulation.	Same as above	L11, L12	Adjust for max. output reading on AF VTVM or Scope. Check for RX sensitivity of .1uv at 10dB S/N
FM DETECTOR: Set radio to FM mode. Set FM RF Generator output to input frequency of radio at 1uV modulated 30% with 1 KHz audio tone. Reduce VOLUME as required.	Connect AF VTVM or scope to IC2 Pin 7. FM RF Generator to ANT Jack	L4	Adjust for maximum audio output.
AM/FM S-METER: Set mode to AM. RF Generator output to 100uV No Modulation Set Squelch fully counterclockwise.	RF Generator to ANT Jack	VR1	Adjust for ?S-9? meter reading.
SSB S-METER: Set mode to USB. Increase RF Generator output up 1KHZ, No Modulation. Set Squelch fully counterclockwise.	RF Generator to ANT Jack	VR2	Adjust for S-9 reading.
AM/FM SQUELCH RANGE: Set RF Generator output to 20,000uV. Set Squelch Control fully clockwise.	Same as above	VR4	Adjust to where the squelch just closes
SSB SQUELCH RANGE: Set mode to USB. Increase RF Generator output up 1KHZ for USB. Set Squelch Control fully clockwise.	Same as above	VR3	Adjust to where the squelch just closes
NOISE BLANKER: Set radio to Band D, CH. 2 Set mode to AM.	Connect DC Voltmeter to TP1 (Cathode of D2)	L1	Adjust for maximum DC voltage.

Set NOISE BLANKER switch to ON Set RF generator output frequency 10KHz below radio input frequency at 1000uV signal modulated at 30% with 1 KHz audio tone.			
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Disclaimer: Although the greatest care has been taken while compiling these documents,
we cannot guarantee that the instructions will work on every radio presented.