

# Galaxy DX Radios DX44V

## Documentation Project

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### Receiver Alignment

See [Required test equipment](#)

See [Alignment Locations](#)

| SETTINGS                                                                                                                                                                                                                                                                                                             | CONNECTION                                                                     | ADJUST                                                | ADJUST FOR                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>AM/FM RF &amp; IF SENSITIVITY:</b><br>Frequency to 26.965 MHz<br>Mode AM<br>Clarifier controls at center detent.<br>RF GAIN fully clockwise.<br>SQUELCH fully counter clockwise<br>NB/ANL to OFF<br>VOLUME to comfortable level.<br>RF Generator output to 26.965 MHz at 1uV modulated 30% with 1 KHz audio tone. | Connect AF VTVM or scope across speaker terminals.<br>RF Generator to ANT Jack | (in order)<br>L6, L7<br>L8, L10<br>L11, L12<br>L3, L4 | Adjust for max. output reading on AF VTVM or Scope.                                                                    |
| Set mode to AM.<br>Set frequency to Ch.1 lowest band, then Ch.40 highest band as required.                                                                                                                                                                                                                           | Same as above                                                                  | L6, L7                                                | Recheck sensitivity across full radiobandwidth. If necessary, retune L6 & L7 to balance RF sensivity across bandwidth. |
| <b>FM DETECTOR:</b><br>Mode FM.<br>Set FM RF Generator to 26.965 MHz<br>0.5uV deviated 3 KHz with 1KHz audio tone.<br>Reduce VOLUME as required.                                                                                                                                                                     | Connect AF VTVM or scope to IC2 Pin 7.<br>RF Generator to ANT Jack             | L5                                                    | Adjust for maximum audio output.                                                                                       |
| <b>AM/FM S-METER:</b><br>Set mode to AM.<br>RF Generator output to 100uV unmodulated.<br>Set Squelch fully counterclockwise.                                                                                                                                                                                         | Same as above                                                                  | VR1                                                   | Adjust for "S-9" meter reading.                                                                                        |
| <b>AM/FM SQUELCH RANGE:</b><br>Increase RF Generator output to 10mV.<br>Set Squelch Control fully clockwise.                                                                                                                                                                                                         | Same as above                                                                  | VR4                                                   | Adjust to the squelch just closes.                                                                                     |
| <b>NOISE BLANKER:</b><br>Set radio to 26.975MHz<br>Set mode to AM.<br>Set RF generator output to 26.965MHz at 1000uV unmodulated.<br>Set NOISE BLANKER switch to "ON".                                                                                                                                               | Connect DC Voltmeter to TP1 (Cathode of D2).                                   | L1, L2                                                | Adjust for maximum DC voltage.                                                                                         |

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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.