# WJ-861x Receiver Options

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The WJ-8617, WJ-8618 and WJ-8619 receivers vary wildly in configuration, options, and coverage. The codes are the same for all receivers but the options themselves require different boards and, in some cases, different software versions for different radios.

Cannibalization is rampant. An option code on the rear panel or a configuration dash number is only an indication of the original state of the radio. Always check internally for appropriate option cards, filters, connectors and functions before assuming the radio has what is marked on the outside.

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|---|---|
| 10IF | Ten IF  (receiver has ten slots for IFs and Demods 8617-8618 only) |
| 10MHz | 10 MHz maximum IF bandwidth  (8 MHz is standard) |
| 150Hz | 150Hz tone sensing squelch (for military VHF use) |
| 232 | RS-232 Remote Control Interface |
| 488 | IEEE-488  Remote Control Interface |
| ASO | Audio Scan Output  (audio output tone locked to received frequency) |
| BITE | Built In Test Equipment  (2 versions, one with RF, one w/o) |
| CUR | Cursor (tuning knob moves cursor over spectrum display to show frequency) |
| DAV | Digital Audio Video  (set audio and video output levels by digit control) |
| DFC | Direction Finder Control  (for use with WJ-8971A direction finding unit) |
| DRD | Digitally Refreshed Display |
| EM | Extended Memory (96 channels - standard issue is 16) |
| FE | Frequency Extender (to 1.1 GHz) |
| FEX | Frequency Extender (to 1.2 GHz) |
| FP | Fan attachment  (adds 2 muffin fans to rear and 3" to depth of radio) |
| HFE | High Frequency Extender  (down to HF frequencies of 2 MHz) |
| IFBW | IF Bandwidth & discriminator sets  (designation for any special IF/demods ordered) |
| ISB | Independent Sideband |
| LFE | Low Frequency Extender  (down to LF frequencies of 100 kHz) |
| LOC | Lockout  (allows locking out memories during scan) |
| LOGV | 60 dB Log Video |
| M/S | Master/Slave  (allows remote control by or of other radios) |
| NRT | Noise Riding Threshold  (specialized squelch) |
| PAS | Programmable Antenna Switch  (use tuning knob to set frequency in memory for automatic switchover of antennas) |
| PKC | Pluggable Keyboard Control  (almost standard on 8617-8618 - look for IDC jack by tuning knob) |

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|---|---|
| PRE | Preselector  (** details not known **) |
| PSM | Panoramic/Sector Marker Display |
| PSS | ** details not known ** |
| RLOG | Record Logging |
| RCS | Rotating Chassis Slides  (for rolling out of a rack and rotating for servicing) |
| RTC | Real Time Clock |
| SAO | Selected Audio Output (audio output controlled by WJ- 8610A via GPIB,  8615 only) |
| SCS | Straight Chassis Slides  (for rolling out of a rack mount) |
| SM | Spectrum Monitor (usually standard, the display on the front panel) |
| SMO | Spectrum Monitor Output  (21.4 MHz) |
| SSB | Single Sideband Demodulator  (USB and LSB w/ 3.2 kHz filters) |
| SSL | Sacn/Step/Lockout (advanced scanning features for 8615 only) |
| TPC | ** details not known *** |
| TUN | Tuning  (allows tuning by flashing display digit or standard 100Hz/10kHz/1MHz) |
| VBFO | Variable Beat Frequency Oscillator |
| VLF | Very Low Frequency (covers 10kHz-500MHz - has a built-in downconverter activated below 6 MHz - cannot be installed with FE or FEX, not avail for 8615) |
| WBO | Wide Band Output  (10MHz wide @ 21.4MHz for external demods) |
| WBO2 | Wide Band Output 2  **details not known** |