

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.

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)

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**