

# GRANT XL

## *Uniden AM/SSB Mobile CB Radio*

- *40 Channels*
- *Single Sideband*
- *Signal/SWR Meter*
- *Mic Gain Control*
- *RF Gain Control*
- *Clarifier Control*
- *Noise Blanker*



*The Most Popular AM/SSB  
Mobile CB Radio Chassis Ever Built!*

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World's Largest Manufacturer  
of Citizen's Band Radios

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*thanks Homer*  
*for starting this site*

# GRANT XL

## High Performance 40 Channel CB Radio



### FEATURES

- **Full 40 Channel Operation** - PLL frequency synthesizer circuitry permits transmission and reception on all 40 AM/USB/LSB Channels without the purchase of additional crystals.
- **Single Sideband** - SSB Modes are allowed to transmit 12 watts PEP power so you can communicate at greater distances than with conventional AM mode operation.
- **Channel Indicator** - Two seven segment LED's indicate the channel number in use.
- **Mic Gain Control** - Allows manual adjustment of modulation level up to 100%.
- **RF Gain Control** - Adjusts receiver sensitivity to incoming signal. Allows you to decrease sensitivity for strong signals and increase for weaker ones.
- **Clarifier Control** - Allows you to fine tune incoming signals for clearer reception. Also allows you to adjust tone characteristics.
- **NB/ANL Switch** - Single switch controls Noise Blanker (for reducing engine interference) and Automatic Noise Limiter (for reducing annoying background interference).
- **PA/CB Switch** - One switch allows you to instantly select either PA or normal CB operation.
- **Mode Selector** - Selects AM, USB or LSB modes operation.
- **Dimmer Control** - Adjusts the brightest of the meter and LED channel display for night driving.
- **S/RF/SWR Meter** - Indicates relative RF output power and modulation SWR when transmitting and input signal strength when receiving.
- **TX/RX Indicator** - LED indication of the mode of operation-red for transmission or green for reception.
- **Tone HI/LOW Switch** - This switch allows you to select the tone of the receiving voice in the audio.

### SPECIFICATIONS

#### GENERAL:

Channels	40 AM, 40 LSB, 40 USB
Frequency Range	26.965 to 27.405 MHz
Frequency Control	Phase Locked Loop (PLL) synthesized circuitry
Frequency Tolerance	± 0.005%
Frequency Stability	0.001 %
<b>OPERATING TEMPERATURE:</b>	
Range	-20° C to +50° C
Microphone	Plug-in type; dynamic with push-to-talk switch and curled cord
Input Voltage	13.8v DC nominal, 15.9v max., 11.7v min. (pos. or neg. ground)
Current Drain	Transmit: AM full mod., 3A; SSB, 12 watts PEP output, 2.5A Receive: squelched, 1A; maximum audio output, 2A
Cabinet Dimensions	7 7/8" (W) x 9 1/2" (D) x 2 3/8" (H)
Weight	5 lbs.
Antenna Connector	UHF, SO-239
Meter	Illuminated; indicates relative power output and received signal strength

#### TRANSMITTER:

Power Output	AM, 4 watts
Modulation	AM, high and low level Class B

#### INTERMODULATION:

Distortion	SSB: 3rd and 5th order, more than -25 dB 7th and 9th order, more than -35 dB
SSB Carrier Suppression	More than -45 dB
Unwanted Sideband	More than -45 dB
Frequency Response	AM and SSB: 350 to 2500 MHz
Output Impedance	50 ohms, unbalanced
SSB Filter	7.8 MHz, crystal lattice type 6 dB @ 4.2 kHz / 60 dB @ 7.0 kHz
Output Indicators	Meter shows relative RF output power; red transmit LED

#### RECEIVER:

Sensitivity	SSB: Better than .25µV for 10 dB (S+N)/N at greater than 1/2 watt of audio output AM: 0.5µV for 10 dB (S+N)/N at greater than 1/2 watt of audio output
Selectivity	SSB and AB: 6 dB @ 4.2 kHz, 60 dB @ 7.0 kHz
Cross Modulation	50 dB typical
Image Rejection	75 dB typical
I.F. Frequency	AM and SSB: 7.8 MHz
AM and SSB RF Gain Control	(AGC): Less than 10 dB change in audio output for inputs from 10 to 500,000 microvolts
Squelch	Adjustable; threshold less than .5 µV
Noise Blanker	RF type, effective on AM and SSB
Clarifier Range	±1.25 kHz
Audio Output Power	3 watts (10% THD)
Frequency Response	350 to 2500 Hz
Distortion	Less than 10% at 3.5 watts output
Built-in Speaker	8 ohms, round
External Speaker	8 ohms; disables internal speaker when connected
<b>PA SYSTEM:</b>	
Power Output	3 watts (10% THD)
External Speaker for PA	8 ohms
<i>(not supplied)</i>	

*Features, Specifications, and availability of Optional Accessories are all subject to change without notice.*

# uniden®

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