


How to Reprogram Valentine One Radar Detector

You can change V1's programming to meet special operating requirements, but should you? Police and the military strive for "situation awareness". If you know what's going on all around you, you're unlikely to be surprised by an ambush. Situation awareness is also the philosophy behind V1. The front and rear antennas, the Radar Locator and the Bogey Counter all work together to keep you informed of What is around you, How Many, and Where.

Considering V1's broad capability, it's easy to operate. All visual warnings are automatically corrected for outside brightness, so you never have to fiddle with a dimmer. Moreover, V1 already has three computer modes ready to adapt the Warning System to your particular needs. A lot of thought went into these various features to make them work as a system. I personally think V1 works appropriately for almost any situation I can imagine. Still, you can reprogram it to change its responses. We've been building in that flexibility for some years now. The risk is that you'll diminish your situation awareness. Worse yet, you might inadvertently disable a protection you really need. So think carefully before changing the factory settings.

How To Change V1 Programming

WARNING: Important radar alerts may be blocked by changes in factory settings. Features that are Essential To Full Protection are marked with the , so change these at your own risk.

I. How to enter the Programming Mode.

- Starting with the Control Knob in the "off" position, Press and hold-in Knob and at the same time turn the Knob "on;" continue holding in the Knob until all front-panel lights are on (takes about 5 seconds).
- Release the Control Knob.

II. How to determine your software version.

- Press and immediately release the Control Knob to display software version. The software-version number is four digits that display one digit at a time in the Bogey Counter-example: 2.869.
- Note your software number, then see the table below for features that are programmable in your unit.
- Press and immediately release the Control Knob to exit software-version display.

III. How to program your desired features.

- The Feature Characters appear in the Bogey Counter in the following sequence: 1, 2, 3, 4, 5, 6, 7, 8, A, b, C, d, E, F, G, or H.
- To select the next Feature Character in the sequence, press and immediately release the Control Knob.
- The Feature State is indicated by direction arrows on the Radar Locator.
- The Feature State is changed by pressing and holding the Control Knob until the arrow switches to the opposite direction (takes about 3 seconds).

NOTE: If you need to return to an earlier Character in the sequence above, we

recommend you switch off the power momentarily, then restart at step I above.

IV. How to exit the Programming Mode.

- Switch power off, or unplug. The changes you programmed will be retained in memory.

V. How to tell if V1 has been changed from factory settings.

- If the unit has been changed, P will appear briefly in the Bogey Counter soon after V1 is switched on (after the lamps-on test, but before the Mode indicator appears.)
- On V1s with serial numbers ending in 0600 or higher, a flashing red LED just to the right of the Bogey Counter during the sequence above indicates that Ku coverage has been activated.

Feature Character (See Bogey Counter)	Arrow Direction	Description	Software Version					Factory Setting
			2.880 - 2.895	2.849	2.889	2.879 - 2.909	3.019 and up	
This section allows you to turn off coverage of each radar band and laser.								
1	▲	X band on.	✓	✓	✓	✓	✓	✓
	▼	X band off.	✓	✓	✓	✓	✓	
2	▲	K band on.	✓	✓	✓	✓	✓	✓
	▼	K band off.	✓	✓	✓	✓	✓	
3	▲	Ka band on.	✓	✓	✓	✓	✓	✓
	▼	Ka band off.	✓	✓	✓	✓	✓	
4	▲	Laser on.	✓	✓	✓	✓	✓	✓
	▼	Laser off.	✓	✓	✓	✓	✓	
This section allows you to adjust the response of the signal-strength meter for Ka band only. V1's radar and laser sensitivity will not be changed.								
5	▲	Normal.	✓	✓	✓	✓	✓	✓
	▼	More Responsive.	✓	✓	✓	✓	✓	
This section allows you to switch off the False-Alarm Guard on Ka band.								
6	▲	Guard on.	✓	✓	✓	✓	✓	✓
	▼	Guard off.	✓	✓	✓	✓	✓	

This section allows you to switch on a feature that automatically mutes K-band alerts under certain circumstances. Feature Characters b, C, d, E, F, and G set the specifications of those circumstances. This automatic muting will happen in **L** and **L** modes only.

Enable this feature only when planning long-term operation in an area with frequent K-band false alarms.

7		Features b thru G inactive.	n/a	✓	✓	✓	✓	✓
		Features b thru G enabled.	n/a	✓	✓	✓	✓	


This section allows you to suppress the warning sound completely when you press to mute.

8		Muted vol. set by Control Lever.	✓	✓	✓	✓	✓	✓
		Muted volume set to zero.	✓	✓	✓	✓	✓	

This section allows you to change volume of any Bogey Lock Tones that occur after you press Mute.

A		Volume is set by Control Knob.	✓	✓	✓	✓	✓	✓
		Volume is set by Control Lever.	✓	✓	✓	✓	✓	

			Software Version Feature Availability						
			2.680 - 2.695	2.849	2.869	2.879 - 2.909	3.619 and up		
b	C	d							
<p>This section allows you to establish a time period of automatic muting at the onset of K-band alerts, in seconds. It may be helpful to think of b, C, and d as dip switches. The direction of the arrows in b, C, and d taken together, select the seconds of muting. <i>Example:</i> If you have Software Version 2.869 and want 3 seconds of muting at the onset of a K-band alert, set the arrows downward in b, C, and d.</p> <p>Remember, features in this section are <i>not</i> enabled as factory settings.</p>									
			Seconds				K-band Initial Mute Period (seconds)		
			Factory default	n/a	3	10		10	10
				n/a	4	9		30	30
				n/a	5	8		20	20
				n/a	6	7		15	15
				n/a	7	6		7	7
				n/a	8	5		5	5
				n/a	9	4		4	4
				n/a	10	3		3	3

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<p>This section allows you to set an automatic override of the muting time you set in b, C, and d; if K-band strength exceeds four LEDs on the Signal Strength Meter at the onset of the encounter, there will be no muting.</p>								
E	▲	<i>Unmute at four lights.</i>	n/a	✓	✓	✓	✓	✓
	▼	<i>Stay muted at four lights.</i>	n/a	✓	✓	✓	✓	
<p>This section allows you to set an automatic override of the muting time you set in b,C and d; if K-band strength slowly rises to six LED's on the Signal Strength Meter, sound will unmute.</p>								
F	▲	<i>Unmute at six lights.</i>	n/a	✓	✓	✓	✓	✓
	▼	<i>Stay muted at six lights.</i>	n/a	✓	✓	✓	✓	
<p>This section allows you to automatically mute all K-band alerts when they are behind you.</p>								
G	▲	<i>Don't mute rear K-band.</i>	n/a	✓	✓	✓	✓	✓
	▼	<i>Mute rear K-band.</i> 	n/a	✓	✓	✓	✓	
<p>This section allows you to turn on coverage of Ku band.</p>								
H	▲	<i>Ku off.</i>	n/a	n/a	n/a	n/a	✓	✓
	▼	<i>Ku on.</i>	n/a	n/a	n/a	n/a	✓	