


How to reprogram V1

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.

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 character is indicated in the "Bogey Counter" (1, 2, 3, 4, 5, 6, 7, 8, A, b, C, d, E, F, G, H, J, u, or ū).
- 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.

WHAT YOU SHOULD KNOW ABOUT EURO MODE

Certain features of V1 are intended to warn of radar bands not used in the U.S. They are not activated at the factory.

The Euro Mode and Ku band are separate features and require separate activation.

Euro Mode narrows and intensifies radar coverage, and limits it to K band plus the sections of Ka bands used in Europe and some other countries for photo radar.

When Euro Mode has been activated, upon power up you will see the sequence "E," "u," "r" appear in the Bogey Counter. When the power-up sequence is complete, the Bogey Counter will show either "U" or "u." Pressing the Control Knob will toggle between them.

Select "U" to enable both K and Ka (Photo) bands. Select "u" to enable only Ka band.

WHAT YOU SHOULD KNOW ABOUT Ku Band

When activated, Ku-band warnings are indicated visually by illuminating the decimal point in the Bogey Counter. The sound is identical to the K-band warning.

SETTINGS FOR AUSTRALIA

X-band & "Euro X-band" is not used (you can turn these X-band)

POP is not used (so you can turn POP off)

Ku-band is not used (so you can turn Ku-band off)

Feature Character (See Bojey Counter)	Arrow Direction	Description	Software Version											Factory Setting	
			2.680 - 2.695	2.699	2.699	2.879 - 2.899	3.019 - 3.022	3.012 - 3.013	3.016 - 3.017	3.016 - 3.019	3.021 - 3.023	3.004 and higher			
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.															
E	↖	Unmute at four lights.	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	↘	Stay muted at four lights.	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
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.															
F	↖	Unmute at six lights.	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	↘	Stay muted at six lights.	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
This section allows you to automatically mute all K-band alerts when they are behind you.															
G	↖	Don't mute rear K-band.	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	↘	Mute rear K-band. 	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
This section allows you to turn on coverage of Ku band. For more on Ku band, click here															
H	↖	Ku off.	n/a	n/a	n/a	n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓
	↘	Ku on.	n/a	n/a	n/a	n/a	✓	✓	✓	✓	✓	✓	✓	✓	
This section allows you to turn factory test on and off.															
I	↖	Factory test off.	n/a	n/a	n/a	n/a	n/a	✓	n/a	n/a	n/a	n/a	n/a	n/a	✓
	↘	Factory test on.	n/a	n/a	n/a	n/a	n/a	✓	n/a	n/a	n/a	n/a	n/a	n/a	
This section allows you to turn POP on and off.															
J	↖	POP on.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	✓	✓	✓
	↘	POP off.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	✓	✓	
This section allows you to turn European Mode on and off. For more on European Mode, click here															
U	↖	Euro off.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	✓	✓
	↘	Euro on.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	✓	
This section allows you to turn European X band on and off.															
ū	↖	Euro X band off.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	✓
	↘	Euro X band on.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓	