



# Important Compass Information For The XRS 970

Your Detector

## Turning On and Calibrating Your Compass

The compass in your radar detector must be turned on and be calibrated before it will show on the display and give accurate directions. **The compass will show — until it is calibrated. The factory default for Compass is off.**

To determine direction, the compass detects the weak magnetic field of the Earth. It also detects the different magnetic fields produced by your vehicle, your audio speakers, and other installed electronics. Calibration allows the compass electronics to measure and store information about all magnetic fields in your vehicle so that it can ignore them!

Set/City Button 

Select/Dim Button 

Program/Mute Button 



## To Calibrate The Compass

**Before calibrating compass, select the location where the detector will be mounted.**

	Tone	Visual Display	Voice
Enter the EasySet® Programming Menu by pressing and holding the <b>Program/Mute</b> button	Three beeps	<b>Program</b>	<b>Start Program</b>
Press and release the <b>Select/Dim</b> button until you see Set Compass displayed	One beep at each press	<b>Set Compass</b>	None
Press and release the <b>Set/City</b> button	One beep	<b>Drive in 2 circles...</b>	<b>Set Compass</b>
Drive your vehicle in two complete circles*	None	<b>Press SET when done...</b>	None
Press the <b>Set/City</b> button again	Three beeps	<b>Compass Set!</b>	<b>Compass Set</b>

\* Drive your vehicle in two complete circles. A large parking lot is the most convenient place to do this. Please be careful when making the circles and watch for other traffic. It does not matter what direction your vehicle is pointing when you start the circles, which direction you go to make the circles, and it does not have to be exactly two circles. You do NOT have to make perfect circles. You can drive in any pattern, as long as you make two complete turns. Four three-point turns, two small squares, or any two complete loops will work as well as two circles. It does not matter what size the circles are, if your speed is constant, or how fast you make the circles [but less than two minutes].

## Will I need to calibrate the compass every time I use my radar detector?

No. The compass electronics holds the information about the magnetic fields made by your vehicle. However, for best results, you should mount the detector in exactly the same location every time you use it. When you remove the detector from your windshield, it is best to leave the mounting bracket on your windshield so that when you replace the detector it is mounted, again, in exactly the same place. If you decide to relocate your detector to a different place (either on the windshield or on the dash), it is best to calibrate the compass again.

## My compass sometimes seems to give a wrong direction – what is wrong?

If your compass is unable to detect the magnetic field of the Earth (used to determine the direction), it cannot give the correct reading. This may happen if you are under a bridge, inside a parking garage, or inside any enclosure or building that is constructed with metal framework. Other vehicles with a lot of metal may also confuse your compass so that it cannot give accurate readings. This may happen if you are next to a large tractor trailer, truck or train. Your compass will work again correctly as soon as you get away from these locations. There is no need to calibrate your compass again after this.