

## XRX. Plays Well With Others.

Display your XRX traffic directly on third-party systems, such as those from Garmin, AnywhereMap, VistaNav, TrueFlight, and others. This guide will walk you through the simple setup procedures and explain features and limitations.



## XRX. Plays Well With Others.

Now appearing on a display near you: XRX traffic data. Get the precision, reliability and all-over coverage that only XRX can provide, directly on the screen you're already looking at. XRX will integrate with these and other systems. For more information, visit our website.



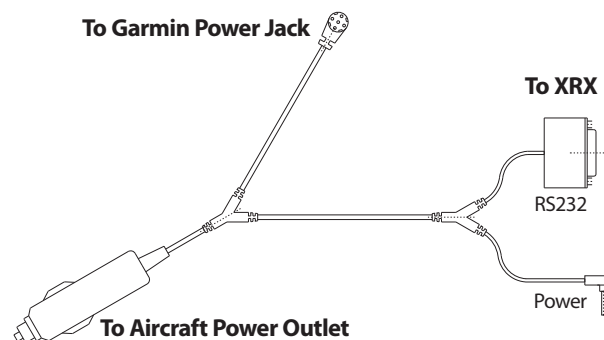
# XRX-Garmin Interface Guide



## Minimum Requirements

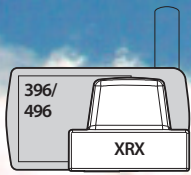
The minimum requirements are needed to show traffic:

- XRX with version 2.0+ Software
- Garmin 396 Software 3.90+ or Garmin 496 Software 2.90+
- XRX/Garmin interface cable or appropriate connections provided by Zaon



**pcas**

Portable Collision  
Avoidance Systems



# How do I setup my traffic interface?

## XRX

- 1 > To get the best performance, ensure all interface cables are properly connected and XRX is positioned for maximum detection. See "**Placement Considerations**" in your XRX Owner's Manual.
- 2 > Calibrate your XRX compass. See "**Compass Calibration**" in your XRX Owner's Manual.
- 3 > Use the Com menu to select "Garmin" as the output method (only available on XRX Firmware Version 2.0 or higher).

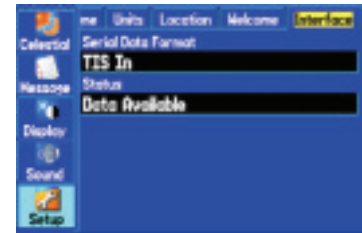
### Maximize Detection Window

- 4 > Using the Alt and Range menus to set detection range to 6NM and altitude to  $\pm 2500$  feet
- 5 > Press **mute** to return to the traffic screen. The screen will only show "Garmin", but all menu options will still be available by pressing the **menu** button.

GARMIN

## GARMIN

- 1 > Setup is done the same as TIS setup in your Garmin owner's manual. Under Menu go to the "SETUP" tab. Select "TIS IN"
- 2 > With power applied to both the Garmin and XRX you should see the status field change to "DATA AVAILABLE"



## Must-Read Information

Following these guidelines will help you get the best performance from your collision avoidance investment!

- > XRX azimuth resolution is 45 degrees. While the intruder is shown at a particular point on the map, this resolution is intended to give an estimate. For example, an intruder at 45° degrees could be between 20° and 70°
- > Proper placement of your XRX plays a vital role in the accuracy and detection of other aircraft. Avoid placing XRX close (within 6 inches) to any metallic objects and/or center-line windshield structures.
- > You must orient the XRX so that the LCD screen faces the aft of your aircraft for proper orientation of intruders.
- > **XRX will not detect all aircraft.** Some aircraft may not have transponders, or may have transponders which fail

basic TSO standards for center frequency, pulse widths, or other factors. Typically 90% of aircraft equipped with transponders operate within standards.

- > XRX may have aft detection limitations. While XRX performs many complex calculations to correct for signal ambiguity within the cockpit, some aircraft have inherent limitations. Please see our website for a complete profile list of various aircraft types to identify any limitations.
- > XRX contains a solid state compass to help your Garmin properly orientate the traffic on your screen. Careful consideration should be taken when using the XRX near the XM antenna which contains a magnet. Place the XM antenna as far as possible from your XRX. Compass calibration instructions can be found in your XRX Owner's Manual.

- > XRX compass should be recalibrated if you move to a different aircraft.
- > Traffic alerts will not be shown on your Garmin if your ground speed is less than 30 KTS.
- > Traffic input from XRX cannot be shared with TIS input. Connecting any other RS-232 device to the Garmin DATA IN while connected to XRX will result in overlaps in signals and errors from both data sources. However, XRX does not use GARMIN DATA OUT, which can be used for miscellaneous functions.

**Placement of your xrx is critical to achieving maximum performance!**