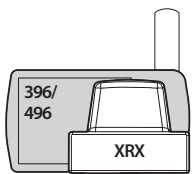




Traffic Solutions for General Aviation.

PCAS™ XRX™

The world's only portable collision avoidance system with direction.



Garmin 396/496 vs. XRX size comparison

XRX provides accurate quadrant information complete with range and relative altitude. The unit displays the local altitude and bearing, and the detection window can be configured through the easy-to-use menus. The highly-specialized directional antenna array is built-in and capable of detecting aircraft from inside the cockpit. In fact, XRX is the only system in the world with the technology to do so.

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Tiny, unobtrusive size:
3.9"W x 2.7" H x 3.6" D

Menu-operated user interface

Definable detection windows:
±2500, ±1500, ±500 ft. (rel. alt.),
6, 3, 1.5NM (range)

Metal or composite airframes

Displays top three intruders

Built-in compass and altimeter

Completely portable and self-contained

Range selectable up to 6NM

Voice and external audio alerts

Built-in directional antenna

Instant traffic updates... no delays

NEW! Full XRX traffic integration with Garmin 396/496 and others

PCAS™ MRX™

The world's smallest collision avoidance system.

PCAS MRX is the world's smallest collision avoidance device, yet sacrifices none of the features previous upper-end systems have become known for. MRX is smaller than a deck of cards and uses an easy, menu-driven interface and audio annunciations for traffic advisories and alerts. MRX is half the size, 1/3 less price, portable and offers better accuracy and many more features than the ATD-300.

NEW! Headset-direct™ Alerts

Accepts two "AA" batteries or aircraft power (up to 40 VDC)

Built-in altimeter for accuracy

Smallest size available:
2.61"W x 0.73" H x 4.33" D

Menu-operated user interface with five-position navigation switch for easy operation

Definable detection windows:
±5000, ±1500, ±500 ft. (rel. alt.),
5, 3, 1.5NM (range)

Precise brightness control

Audio volume control in front

Range displayed in 0.1 NM increments

Intruder climb/descent indicator

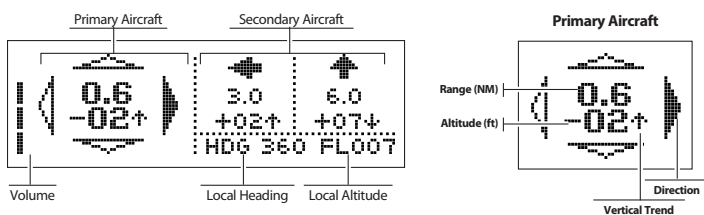
Accepts TCAS replies for rural use

Displays host squawk and altitude

On-screen, audible and headset alerts with quick mute button

PCAS™ XRX™

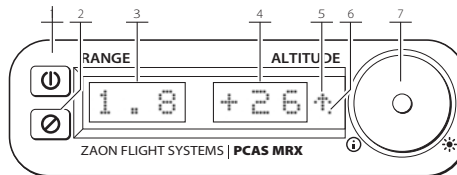
Direction + Range + Relative Altitude



Environmental		
Altitude	Min. 0 ft.	Max. 22,000 ft (FL220)
Temperature	Min. 0°C (+32°F)	Max. +65°C (+150°F)
Mechanical		
Dimensions	3.9 (100 mm)	Width
	3.6 (93 mm)	Depth
	2.7 (69 mm)	Height (includes antenna)
Weight	8.2 oz. (232.5 g)	
Electrical		
Power	10-48 VDC	Negative ground
Consumption	4.2 watts max.	@ 14V
	2.6 watts max.	@ 24V
Current	450-500 mA	475 mA nominal
Connector Type	2.35mm mini	Tip positive
Receiver		
Type	Superheterodyne / PLL x4	
Selectivity	1090 MHz	
Bandwidth	±8.1 MHz	
Signal Modes	X, Y, A, C, S, 2, 3/a, 3/c	
Scan Rate	3.2 kHz	
Data Rate	1000 kbps	
MTL Sensitivity	-78 dBm	
Max Peak Power	+20 dBm	
Max. Detection Range	22.0 NM	100% Error Rate
	7.0 NM	10% Error Rate
Receiver Dynamic Range	68 db	
Accuracy		
Range Resolution	0-2.0 NM	±0.1 NM
	2.0-3.0 NM	±0.2 NM
	3.0-6.0 NM	±1.0 NM
Bearing Resolution	30° (45° displayed)	
Altimeter Accuracy	±200 ft.	
Compass Accuracy	±20°	
Bank/Pitch Accuracy	±6°	
Temperature Sense	0.1°C	
Antenna Array		
Type	Directional capable, internal, multi-element directional array	
Sense	Amplitude / Phase	
Phase Balance	±12°	
Amplitude Balance	±0.5 dB	
Phi Range	>65°	
Polarization	Cross	
Gain	+2.2 dBi	
Display		
Type	FSTN Liquid Crystal Display, Black/White, Wide Temp	
Resolution	122 x 32	
Backlight	White Electroeluminescence	
Audio		
Impedance	300 ohms x 2 channels or 600 ohms x 1 channel, selectable	
Power	4.0 watts max. @ 2.5 volts peak-to-peak	

PCAS™ MRX™

Range + Relative Altitude



- 1 **Power** button
- 2 **Mute** button
- 3 Range (NM)
- 4 Relative Altitude (+/-)
- 5 Vertical Trend
- 6 Mute Indicator
- 7 Multi-function

Environmental		
Altitude	Min. 0 ft	Max. 20,000 ft (FL200)
Temperature	Min. -20°C (-4°F)	Max. +65°C (+150°F)
Mechanical		
Dimensions	4.33" (109.9 mm)	Length
	0.73" (18.7 mm)	Height
	2.61" (66.2 mm)	Width
Weight	3.6 oz. (102 g)	Without batteries
	5.6 oz. (159 g)	With batteries
Electrical		
Power	12-40 VDC, Negative ground	
Consumption	500 mW watt max.	Internal Battery
	1.2 watts max.	@ 12V
	2.8 watts max.	@ 28V
Current	75 mA	
Connector	2.35mm mini	Tip positive
Receiver		
Selectivity	1090 MHz	Receiver A
	8.1 MHz	Bandwidth
Signal Modes	X, Y, A, C, S, 2, 3/a	
Scan Rate	22 kHz	
Data Rate	1000 kbps	
MTL Sensitivity	-65 dBm	
Max Peak Power	+20 dBm	
Range Resolution	0-2.0 NM	±0.1 NM
	2.0-5.0 NM	±1.0 NM
Max. Detection Range	50% Error Rate	7.0 NM
	10% Error Rate	6.0 NM
Altimeter Accuracy	±200 ft.	
Receiver Dynamic Range	53 db	
Antenna		
Impedance	50 ohms	
Polarization	Vertical Omnidirectional	
Connector type	SMA RP	
Display		
Type	8-character super bright red LED graphic module	
Maximum Brightness	2300 µcd per character	

AVAILABLE FROM THIS DEALER OR FROM ZAOON DIRECT AT WWW.ZAOONFLIGHT.COM

