



# NAV-500

## GUIDANCE CONTROLLER

Paired with any GFX series display, the NAV-500™ guidance controller is an affordable precision solution capable of receiving corrections from multiple GNSS satellite

constellations. Get sub-meter repeatable accuracy and full-farm coverage at a great price to use during tillage, broad-acre seeding, spraying and harvest.

### Key Features

- ▶ Low-profile rugged housing
- ▶ Trimble ViewPoint RTX™ corrections
- ▶ 5 satellite constellations
- ▶ Roll-corrected manual guidance
- ▶ Compatible with EZ-Steer® assisted steering system and EZ-Pilot® Pro steering system
- ▶ 4.1 Bluetooth®
- ▶ Multiple CAN ports

#### Housing & Mechanical

Housing Material	Low-profile, chemical-resistant polymer casing
Size	180 mm x 180 mm x 74 mm
Weight	640 g
Mounts	Universal Magnetic Mount

#### Power

Power	9-16 VDC, 3.5 W
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#### Connections

To GFX Series Displays	M12 4-pin connector
For I/O	Deutsch 12-pin connector

#### Operational Range

Operating Temperature	-30 °C - +70 °C
Storage Temperature	-40 °C - +85 °C
Humidity	100% Condensing
Ingress Protection	IP66

#### Communication and I/O

Bluetooth	Bluetooth 4.1
Serial Ports	1 TX/RX, 1 TX only
CAN Ports	2
BroadR-Reach Port	1
Digital Out	Sonalert
Analog In	Remote Engage
NIMEA Output	1, 5, 10, Hz

#### Inertial Measurement Unit (IMU)

Gyroscope	3-axis, 50 Hz
Accelerometer	3-axis, 50 Hz
External IMU Needed for EZ-Pilot Pro	57407-01

#### GNSS Receiver Specifications

Constellations	GPS: L1 C/A
	GLONASS: L1 C/A, L1P
	Galileo: E1
	Beidou: B1
Satellite Corrections	QZSS: L1 C/A
	ViewPoint RTX™
	SBAS (WAAS, EGNOS, GAGAN, MSAS)
	SBAS +

#### Guidance

Electric	EZ Pilot, EZ-Pilot Pro, EZ-Steer
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