



GFX-750

DISPLAY SYSTEM

The Trimble® GFX-750™ display system continues a strong tradition of sleek, easy-to-use displays from Trimble Agriculture. With a simplified installation process, your cab will be less cluttered with this automated guidance system. Add in Bluetooth® and Wi-Fi connectivity to go along with ISOBUS compatibility and you can tackle farming applications from every season across all of your equipment brands.

NAV-900 GUIDANCE CONTROLLER

Coming together with the GFX-750 display is the NAV-900 guidance controller. It is our most advanced GNSS receiver to date, built for maximum uptime and a wide range of accuracy options from basic to high precision. It is designed to mount on the roof of most agricultural vehicles to provide positioning and guidance, including autosteering.

EASY INSTALLATION

Designed from the ground up to save valuable cab space and install quickly, the GFX-750 display and NAV-900 guidance controller can be installed with an autoguidance system in just half a day in most vehicles or in under two hours if using manual guidance, eliminating costly down time in the field.

ISOBUS COMPATIBILITY

The GFX-750 display works on most tractor brands or with most implement manufacturers on your farm with ISOBUS control. The Task Controller function with automatic section control, as well as documentation, is fully integrated and easy to use in the working screen.



ENHANCED CONNECTIVITY

Our most connected display ever comes with Wi-Fi, Bluetooth, CAN, and for the first time, BroadR-Reach® high-speed communications to allow fast and easy transfer of data between vehicles and the office. The display is environmentally hardened for the ag vehicle environment and runs Precision-IQ™ software which connects directly to the Trimble Ag Software suite.

EXPANDED GNSS

This new guidance controller features Trimble's most powerful GNSS engine. It tracks more satellites from more constellations, leading to more robust performance in harsh environments and also faster RTX convergence time.

ANDROID OPERATING SYSTEM

Running a modern Android™ operating system, the GFX-750 display performs at high levels for an intermediate price. The system allows you to customize the display for the way you work, and is highly upgradable to meet your farm's growing needs.

Key Features

- ▶ Large 10.1" (25.6 cm) high-definition color touch-screen display
- ▶ Android-based operating system allows you to customize the display for the way you work
- ▶ Rugged construction for everyday field use, meeting demands in harsh environments
- ▶ NAV-900 Guidance Controller
- ▶ One integrated camera with support for an additional external camera
- ▶ Easy transferability between vehicles





GFX-750 DISPLAY SYSTEM

GFX-750 DISPLAY SPECIFICATIONS

Technical Specifications	
Resolution	1280 x 800
Size (Diagonal)	25.6 cm (10.1")
Brightness	900 (candela/m ²)
System Processor	Quad-Core iMx6 PLUS @ 1 GHz
Storage (eMMC/RAM)	16 GB/1 GB
Operating System	Android
Internal GNSS	No
Mechanical Dimensions	L 263 mm x W 182 mm x D 45 mm (at connector belt)
Weight	2.00 kgs (4.4 lbs)
Environment Rating	IP66
Docking Station	Yes

Camera	
Resolution (Megapixel)	1.0 M pix, 720 p

Connections	
Power/CAN	Deutsch DT15-6p
USB (2 side facing)	USB 2.0 Type A (1 Host, 1 OTG)
WiFi Integrated	802.11b/g/n (2.4 GHz)
Bluetooth®	Bluetooth 4.1

NAV-900 GUIDANCE CONTROLLER SPECIFICATIONS

Housing & Mechanical	
Housing Material	Low-profile, chemical-resistant polymer casing with UV-resistant paint
Size	213 x 213 x 80 mm (8.39 x 8.39 x 3.15 in)
Weight	1.2 kgs (2.6 lbs)
Mounts	Trimble custom, OEM compatible*, Spar*

Power	
Power	9 - 16 VDC, 5.5 W 17.5 W with external accessories connected
Output Power	12 VDC, 12 W Maximum current for external radio: 1A

Connectors	
To GFX-750 Display	M12 4-pin connector
To External Radio	M12 5-pin connector
For I/O	Deutsch 12-pin connector

Operational Range	
Operating Temperature	-40 °C - 70 °C (-40 °F - 158 °F)
Storage Temperature	-40 °C - 85 °C (-40 °F - 185 °F)
Humidity	up to 100%, condensing
Ingress Protection	IP66, dustproof, waterproof, IPx9K

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

Communication and I/O con't	
Analog In	Remote engage
NMEA Output	1, 5, 10, Hz

Inertial Measurement Unit (IMU)	
Gyroscope	3-axis, 200 Hz
Accelerometer	3-axis, 200 Hz

GNSS Receiver Specifications	
Constellations	GPS: L1 C/A, L2C, L2E, L5 GLONASS: L1 C/A, L1P, L2 C/A, L2P, L3 CDMA Galileo: E1, E5AltBOC BeiDou (COMPASS): B1, B2
Satellite Corrections	CenterPoint® RTX Fast CenterPoint RTX RangePoint® RTX SBAS (WAAS, EGNOS, MSAS) xFill
Land-Based Corrections	CenterPoint RTK CenterPoint VRS
Correction Formats	CMR+, sCMR+, sCMR+ with SecureRTK, CMRx, RTCM 3.0, RTCM 3.1, RTCM 3.2

Guidance	
Electric	Autopilot™ Motor Drive
Guidance Ready	CANBus J1939
Hydraulic	External NAV III Autopilot

* optional accessory

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