System 350

Complete Precision Ag Control System

Featuring Topcon's state-of-the-art X30 console with intuitive multi-view interface. Powerful all-in-one control for your farming operations in up to 28 user languages.

- **Icon-based, user definable, multi-touch screen**
- **Variable Rate Control (VRC) for simultaneous control of up to 8 products**
- **Autosection Control**
- **High-accuracy autosteering**
- **On-screen coverage and as-applied mapping**
- **ISO Virtual Terminal (VT) capable**

Optional AES-25 Electric Steering

NEW! ISO Compliant AGI-4 Receiver/Steering Controller

TOPCON
Precision Agriculture

X30 Console

Intuitive Topcon Interface

**Simple setup. Operator friendly.
Easy to upgrade as your farming needs grow.**

System 350 brings state-of-the-art power to your agricultural operations. Featuring simple and flexible software, the X30 console provides a versatile work platform with features to improve farm management, increase efficiency, and enhance machine capabilities.

Visual interaction with your System 350. Specifically designed for farming operations and the technical needs of today's farmers.

The X30 features a large 12.1" (31 cm) multi-touch screen with sharp, high-resolution graphics easily readable in bright sunlight. The thin-profile console runs on a powerful 1.6 GHz processor with ample memory (up to 32 GB). With an IP67 rating, the rugged X30 is built to withstand the harshest farming conditions including rain and dust.

User Definable Interface
Provides a wealth of control and display options for simplicity and flexibility with feedback at a glance from multiple sensors throughout your machine. For easy navigation, the user never leaves the "home page" - it's always in view.

GUIDE AUTO STEER MAP RECORDS & DATA VRC ASC CONTROL

Topcon's System 350 smoothly merges high-accuracy autosteering/positioning with variable rate/autosection control, detailed mapping/data logging, and versatile information management with an easy-to-use interface and highly-capable equipment controls.

System 350 Autosteering
With NEW AGI-4 Receiver/Steering Controller

Autosteering allows 24/7 operation regardless of environmental conditions and reduces soil compaction, operator fatigue, machine wear-and-tear, overlap and input costs.

• New! AGI-4 multi-constellation, integrated receiver/steering controller provides high-accuracy autosteering with direct interface for steer-ready tractors. Easy to upgrade to RTK or CORS.

• Modular design integrates steering controller with guidance and positioning for reduced cab clutter.

• Add optional AES-25 to your System 350 for the convenience of electric steering with quick, precise response and up to 2cm accuracy. AES-25 provides a great autosteering solution for non steer-ready tractors.

Optimal Lines
For Controlled Traffic Farming with unmatched versatility. CTF reduces plant damage in sugar cane applications and confines machinery to the least possible area of permanent traffic lanes. CTF also reduces compaction damage from heavy or repeated passes, reduces fuel use, increases yields, improves soil function and seedbed quality. Easily activated option of System 350 (X30 Controller)

The X30 guidance screen combines views of autosteering settings, dashboard, and multiple product control. Industry standard steering patterns; straight (A-B), identical curve, adaptive curve, and center pivot allow you to work with virtually any field shape.

Application and Rate Controls

X30 controllers include spraying, spreading, or planting and feature innovative efficiency tools such as virtual switchbox, channel-based pressure control, and auto coverage to help ensure no gaps or overlap.

• Variable rate control for up to 8 products/channels
• Autosection control with ISO interface for sprayers and planters.
• The ASC-10 provides 10-channel sprayer, planter, or spreader autosection control with liquid rate control for up to 8 products.

Enhanced Data Management

The X30 provides multiple input/output features for maximum data use.
Client / Farm / Field / Job menu lets you save multiple fields and tasks for different farms, then create detailed reports for data tracking and multi-year analysis. Data features include:

• Job reports exportable as convenient pdf files
• Coverage logging, and exportable as-applied maps with flag points
• Imports shapefiles & ISOXML prescription maps
• Calculates covered and remaining areas
• AutoLocate (automatic field recognition) for easy field identification and job loading
• Virtual ISO terminal (VT) interfaces with common controllers and implement ECU's.

Multi-touch capability allows drag-and-drop information windows or panning across screen views.

Choose up to three **mini-view windows** with drag-and-drop positioning. Use mini-views to track multiple application or field information while in autosteer - or touch the screen to swap and view detailed control data while watching autosteer or field coverage in the mini-view.

Interaction keypads quickly show control functions over the home page for quick simple adjustment with "expandable menus" for access to additional options.

Multiple user determined "**dashboard**" readouts provide constant, convenient basic data.

Integrated **LED lightbar** for manual guidance Provides easy offline reference at a glance.

A simple tap on the screen instantly takes you into **full-screen, detailed displays** of guidance, spraying, spreading or other operations, and system information with advanced diagnostics. Lets you monitor rate control, steering, job progress, and field information.

X30 user customizable options Includes alarms/alerts, US, metric, or Imperial units, map options, time and date, radar output, GPS output, and look-ahead settings.

Advanced X30 setup wizard
Icon-based control with intuitive step-by-step navigation guides you through set up of controllers, vehicles, and implements. Use pre-configured profiles or create and save custom profiles with sizes and options for your equipment.

Job Assist Menu provides step-by-step guidance through basic operations. Choose Field Menu, Jobs Menu, or Guideline Menu

TOPCON
Precision Agriculture

New AGI-4 Receiver/Steering Controller – the first truly modular and ISO-compliant steering system.

An ISO-compliant steering system featuring multiple-constellation GNSS satellite reception, state-of-the-art inertial sensors, and full terrain compensation, with superior line acquisition and holding capabilities.
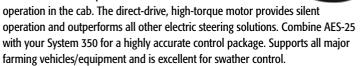
AGI-4 receives signals from all available satellites; more satellites means improved accuracy, better reception around hills and trees, and 24/7 round-the-clock operation.

AGI-4 is standard with WAAS and EGNOS, easily upgradeable to 2cm accuracy with RTK radio options. NTRIP capability allows you to tap into existing reference networks via mobile phone connection (dependent on local availability) and uses existing data plans and infrastructure to minimize costs.

The AGI-4 features industry-leading ISO11783 compatibility with virtual terminals. The all-in-one, modular design incorporates the antenna, receiver, and steering controller in a single component, offering unmatched upgradeability.

Optional AES-25 Accurate Electric Steering

The convenience of electric steering with the performance of hydraulics. AES-25 provides quick, precise response with up to 2cm accuracy. Installation is clean and neat with no external components to interfere with normal operation in the cab. The direct-drive, high-torque motor provides silent operation and outperforms all other electric steering solutions. Combine AES-25 with your System 350 for a highly accurate control package. Supports all major farming vehicles/equipment and is excellent for swather control.

ISO Virtual Terminal (VT) Capability

Functioning as a virtual terminal, the X30 supports plug-and-play operation for direct control of equipment using industry standard ISO11783, including major planters and seeders, sprayers and nozzles. The X30 also supports ISO file server and XML task data exchange capabilities. The VT operates in parallel with X30 autosection control.

X30 Console Specifications

Physical	dimensions	328 x 268 x 55 mm 12.9" x 10.6" x 2.2"
	weight	1.75 kg , 3.86 lbs
	mounting	RAM mounting system
Environmental	operating temp.	-30° to +60°C, -22° to +140°F
	storage temp.	-40° to +75°C, -40° to +167°F
	rainproof	IP67 (EN60529:1992)
Power		input 9V - 36V (voltage & polarity protected) N-MH internal batteries (2000mA/hr., 7.2V)
Display		12.1" (31cm) 1024 x 768 LVDS RGB Projected capacitive touchscreen 1000 cd/m2 LED backlight
Operating System		Intel chipset, 1.6GHz processor 1GB DDR2 533MHz RAM 4GB compact flash (up to 32GB optional) COM-Express System-on-Module (SOM)

Input/Output Ports		4 USB 2.0, all bootable, 500mA
		    1 side & 1 rear, 2 harnessed
		4 RS-232 serial 1ea. RX/TX/CTS/RTS/GND
		    3ea. RX/TX/GND only
		1 RJ45 Ethernet 100 Base-T, 100 Mbps, rear
		4 CANBUS (ISO11783 compliant)
		4 channel digital I/O
		1 channel analog in
		Bluetooth® module

External		power switch (soft switch) front - 2 linked RGB diagnostic LED's front - ambient light sensor
Audio		internal and external 2W mono external stereo headphone jack

Topcon's X30 Interface operates in 28 languages

English	Dutch	Hungarian	Polish	Slovenian
Bulgarian	Estonian	Italian	Portuguese	Spanish
Chinese	Finnish	Japanese	Romanian	Swedish
Croatian	French	Latvian	Russian	Turkish
Czech	German	Lithuanian	Serbian	
Danish	Greek	Norwegian	Slovakian	

www.topconpa.com

TOPCON
Precision Agriculture