

FIELDPILOT® PRO AT-A-GLANCE

FieldPilot Pro consists of a Matrix® Pro GS or Aeros console, RealView® video camera, PWM hydraulic steering valve, steering control module, foot pedal, cables and RAM® mounts.

- Choice of consoles with multiple screen sizes: Matrix Pro 570GS, Matrix Pro 840GS, Aeros 9040
 - Up to eight cameras can be used with the system
 - Requires an 8-port Video Selector Module if more than one RealView camera is used
- Optional Automatic Section Control for up to 15 boom sections
 - Optional RXA-30 high-sensitivity antenna
 - Optional RX520 dual frequency GNSS receiver for high-precision applications

CONFIGURING FIELDPILOT® PRO

FIELDPILOT PRO COMPONENTS

FieldPilot Pro Steering Valve	Steering Control Module
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CONSOLE

Matrix Pro 570GS	Matrix Pro 840GS	Aeros 9040 Field Computer
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VIDEO

RealView Camera	4 Port Video Selector Module	8 Port Video Selector Module
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OPTIONS

RX520 Dual Frequency receiver for L1/L2 SBAS, L-Band, & PPP GNSS signals	RXA-30 Antenna
Automatic Boom Section Control (Includes Section Driver Module and Cables)	Foot Pedal

RAM is a registered trademark of RAM Mount.



FIELDPILOT® PRO AUTO-STEER
LIKE YOU'VE NEVER SEEN BEFORE





FIELDPILOT® PRO

AUTO-STEERING

DOES MORE, COSTS LESS



There's a Lot More to FieldPilot Pro than Hands-Free Steering

FieldPilot Pro offers many features that contribute to increased efficiency and productivity. Plus, it is an incredible value. FieldPilot Pro offers industry-leading performance and is compatible with a huge range of tractors, sprayers and combines.

Better Turn-in Performance, On-line Accuracy and a Smoother Ride

FieldPilot Pro connects directly to your equipment's steering system for the best possible performance and a clean, uncluttered cab. As an engineered solution specifically designed for your machine, FieldPilot Pro can provide aggressive line acquisition and extremely stable on-line accuracy.

New Exclusive RealView® Guidance Over Video Increases Productivity and Accuracy

FieldPilot Pro uses the Matrix Pro GS guidance system or Aeros 9040 Field Computer for GPS guidance. These are the only guidance systems with RealView. RealView allows simultaneous guidance and live video from up to eight cameras. RealView allows you to monitor implement operations while FieldPilot Pro handles the steering. Up to eight cameras can be mounted in any direction so you can check performance from a variety of angles. And, at row end, the live video display of what's ahead helps you improve precision and accuracy while making the headland turn manually.

[Learn more about Matrix Guidance, see Bulletin No. 98-01344.](#)



PWM STEERING VALVE



GUIDANCE OVER VIDEO



ACCOMMODATES UP TO EIGHT CAMERAS



REALVIEW CAMERAS CAN BE EASILY MOUNTED ANYWHERE

Adaptable to Your Field Conditions and Your Location

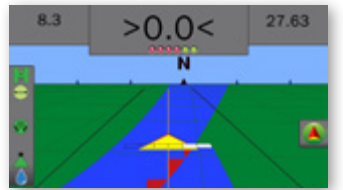
FieldPilot Pro uses the very latest technology to compensate for rough terrain and tough field conditions. Three different sensors each measure machine dynamics in three axes - that means 9 axes of measurements happening hundreds of times each second. Additionally, the FieldPilot Pro system can be equipped with a steering angle sensor to further improve accuracy. FieldPilot Pro is also ready to take advantage of any level of GNSS accuracy. Higher levels of GNSS accuracy will always improve steering accuracy, but stable, reliable steering is available with basic SBAS (WAAS or EGNOS) GNSS receivers. From autonomous to RTK, choose the level of GNSS precision needed for your application, and FieldPilot Pro will steer the machine with accuracy, every time.



RXA-30 ANTENNA

Automatic Boom Section Control (ABSC): Easy to Add and Economical

FieldPilot Pro is ABSC-ready which means that with the addition of a Section Driver Module and the right harness, you can control up to 15 boom sections automatically. Overlaps and skips are eliminated and you'll start saving on chemicals immediately. Adding ABSC requires just a few minutes of time and costs 30% to 50% less than the upgrade cost of competitive systems.



AUTOMATIC BOOM SECTION CONTROL

Easy to Use and Easy to Install

FieldPilot Pro comes with a standard foot pedal to engage automatic steering. This keeps your hands free during busy headland turns. Steering automatically disengages when the operator turns the steering wheel.



FOOT SWITCH

The Matrix and Aeros console interface is easy to use. Touch screen operation using intuitive icons simplifies set-up and operation. Automatic calibration of the steering system means you can fine-tune the system to your vehicle in a matter of minutes, with no expert knowledge required.



INTUITIVE INTERFACE

FieldPilot Pro is designed to be owner-installed in about half a day. Each kit includes all the custom-designed brackets, hoses and fittings you'll need to fit the FieldPilot Pro components to your equipment. Kits include excellent instructions with plenty of photos. More than 150 vehicle-specific hook-up kits are available, making FieldPilot Pro compatible with over 800 tractors, sprayers and combines.



COMPATIBLE WITH MORE THAN 800 TRACTORS, SPRAYERS AND COMBINES

THE FASTEST PAYBACK AVAILABLE

HOW TO ORDER:

Part Number	Description
91-05027	Kit, FieldPilot Pro New System for Matrix Pro GS (includes console, SCM Pro & harnesses)
91-05026	Kit, FieldPilot Pro New System for Aeros 9040 (includes console, SCM Pro & harnesses)
186-***-***	Vehicle Kit (contains hydraulic valve and related components) Please contact your local TeeJet Authorized Distributor for details.

