

## G100 Integrated GPS Autosteer Solution



### G100

The G100™ Guidance System is an all-in-one steering system ready to plug directly into your Auto-Guide Ready™ machine. One-step plug and play. Just place on the cab roof, plug in to the roof top connector and the G100 does the rest. When connected, the G100 automatically knows what machine it is attached to and instantly begins a machine-specific setup sequence. The G100 can be easily moved from one Auto-Guide Ready™ machine to another with minimal effort. It is available with a three-year extended service guarantee to ensure you will always be running when you need it.

The G100 uses Hemisphere GPS' patented Crescent® technology and features support for Parallel, Pivot and Contour farming, has full ISO compatibility, tilt compensation, high speed control (30 + km/h), and virtual lightbar. It also supports NMEA 2000 and 0183 (CAN and Serial) for communication with external devices such as yield monitors and spray controllers.

### Key G100 Advantages

- One step installation
- GPS receiver, GPS antenna and guidance ECU all in one package
- Low cost
- Highly transferable between machines
- Compact and lightweight
- Simple user interface - user friendly
- Plugs directly into tractor equipment - no other hardware required

### G100 Specifications

#### Control Performance

\*Cross-track accuracy: Less than  $\pm 10$  cm typical at 20km/h

#### GPS Receiver

Receiver Type: Crescent L1, patented COAST™ technology  
 Channels: 12 channel parallel tracking  
 Differential Type: SBAS (WAAS, EGNOS, etc.)  
 OmniSTAR® VBS, e-Dif  
 Update Rate: Up to 20 Hz  
 Horizontal Accuracy: <0.6m 95% confidence (DGPS)

#### Communication

CAN: 2 x CAN 2.0b ports  
 Serial: 1 x RS232 Serial port  
 Protocol: NMEA 0183, NMEA 2000, ISO 11783

#### Power

Input Voltage: 9-16V, reverse polarity and short circuit protected

#### Mechanical

Dimensions: 250mm diameter x 85mm high  
 Material: Magnesium Alloy/ Plastic  
 Mount: Screw mount or 5/8" tripod mount  
 Enclosure: Water proof, dust proof  
 Weight: 3.9 lbs. (1.79 kg)

#### Environmental & Compliance

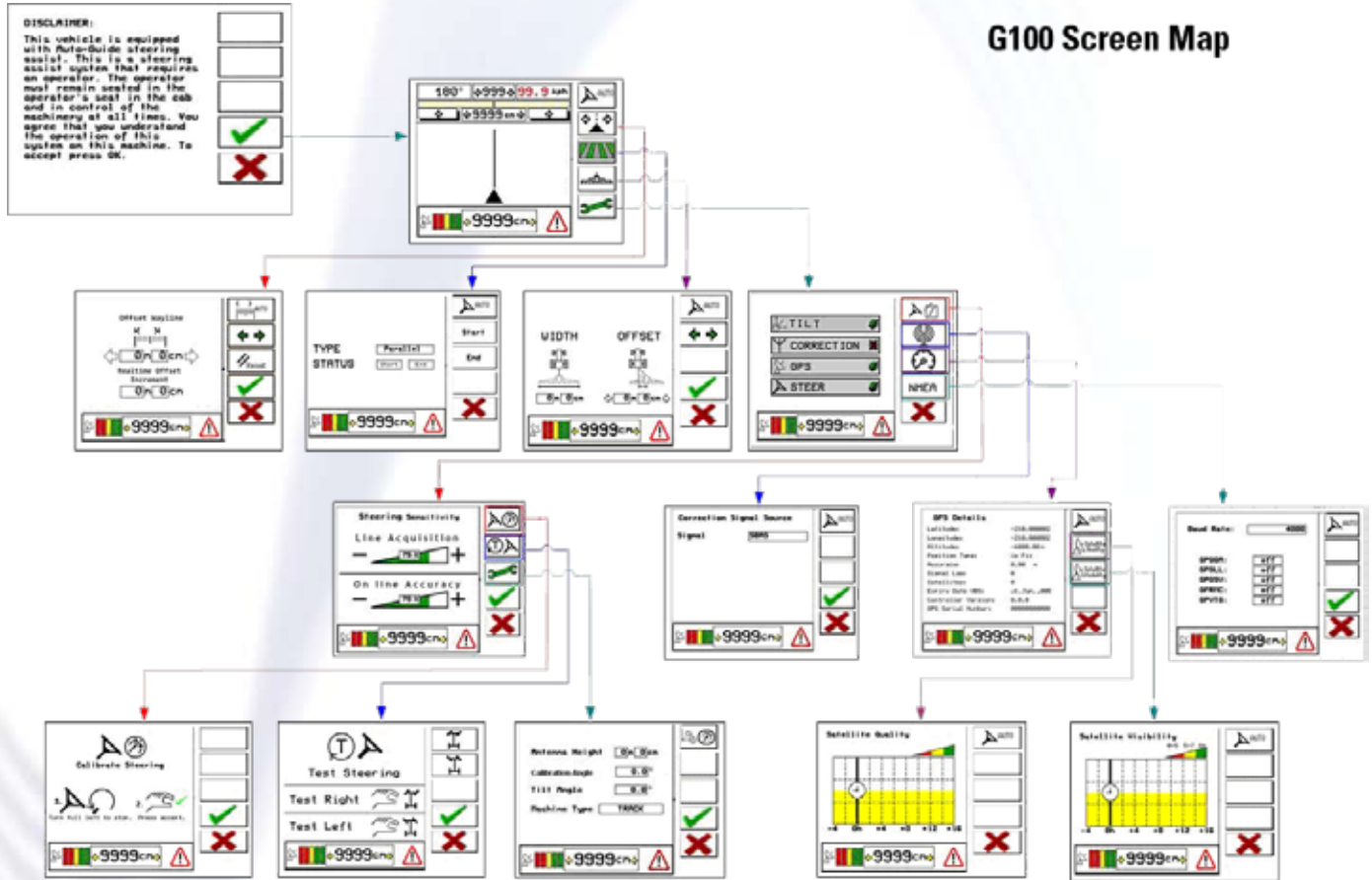
EP455, IP67, FCC, CE, C-Tick

\* Accuracy achievable dependant on hydraulic steering system design and machine type

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G100 Screen Map



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