

CENTERLINE[®] 220 COMPACT GUIDANCE SYSTEM

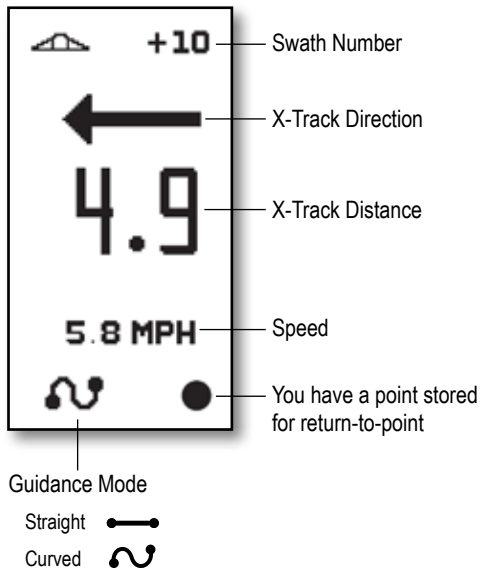
The compact CenterLine 220 is designed to let you profit from lightbar guidance with any field operation. Inside the compact guidance system is a high-quality SBAS GPS/GLONASS receiver and the guidance capabilities that make TeeJet Technologies the leader in lightbar guidance.

CenterLine 220 Features and Benefits

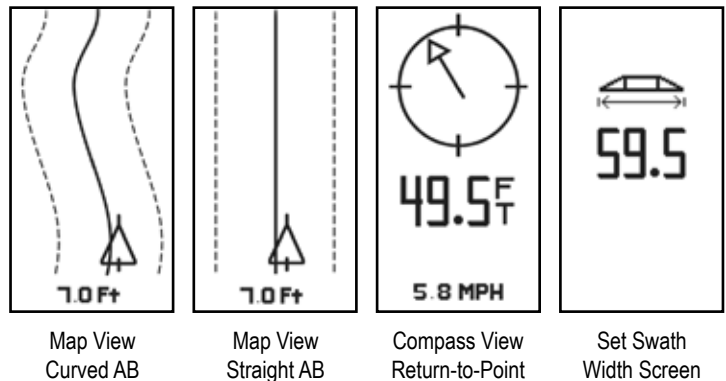
- Versatile GNSS guidance in a compact, portable package
- LED Lightbar guidance plus a graphical display for complete guidance information
- High-quality, 5 Hz internal GPS/GLONASS-ready engine with external patch or RXA-30 antenna
- Optional RXA-30 antenna provides improved reception and increased noise rejection for situations where GNSS signals may be weak or partially obstructed
- ClearPath™ technology enhances GNSS performance in areas where reception is poor or in regions where differential correction is not readily available
- Simple setup gets you up and running in no time
- Straight and curved AB guidance modes
- Integrated look-ahead functionality anticipates vehicle's future position
- Return-to-point feature
- Durable, backlit keypad is easy to see in low-light conditions
- Provides RADAR-like speed signal output for use with other control systems that require a ground speed signal



WORKING SCREEN LAYOUT



SCREEN VIEWS



HOW TO ORDER

Part Number	Description
90-02399	Kit, CenterLine 220, North American
90-02400	Kit, CenterLine 220, North American, Metric
90-02401	Kit, CenterLine 220, Autonomous, Metric
90-02402	Kit, CenterLine 220, EGNOS
90-02869	Kit, CenterLine 220, Metric, GLONASS
90-02720	RXA-30 Antenna Kit with 20'6 m Cable
90-02721	RXA-30 Antenna Kit with 30'9 m Cable

ACCESSORIES

Part Number	Description
78-50155	Patch Antenna
90-02349	Kit, CenterLine 220 RAM Mount
45-20042	Adapter Cable, TeeJet Controls
45-05508	Speed Adapter Cable, Raven Controls
45-05478	Direct Battery Cable

ACCURACY

Correction Type	Pass-to-Pass Accuracy	Year-to-Year Repeatability
Autonomous	+/- 12-18" / 30-45 cm	+/- 3' / 1 m
SBAS	+/- 6-10" 15-25 cm *also referred to as sub-meter	+/- 3' / 1 m

GNSS (Global Navigation Satellite System):

A general term, sometimes referred to as autonomous, that refers to a multiple satellite navigation system used by a receiver to compute its position. Examples of these systems include: GPS developed by the United States and GLONASS by Russia. Additional systems in development include Galileo by the European Union and Compass by China. New generation GNSS receivers are being designed to utilize multiple GNSS signals (such as GPS and GLONASS). Depending on constellation and desired accuracy levels, system performance may be improved by having access to a greater number of satellites.

GPS (Global Positioning System):

The name of the satellite-navigation network maintained by the U.S. Department of Defense. It is composed of approximately 30 satellites which continuously orbit the earth. The term is also used to refer to any device that depends on navigation satellites for functionality.

GLONASS (Global Navigation Satellite System):

A global satellite navigation system developed and operated by the Russian government. It is composed of approximately 24 satellites which continuously orbit the earth. While early GNSS receivers typically utilized only GPS signals, many of today's GNSS receivers can utilize signals from both GPS and GLONASS, effectively increasing the total number of satellites available for use.

Differential GPS (DGPS):

The most common way to correct for normally occurring GPS errors. Examples of DGPS include WAAS, EGNOS, OmniSTAR® and RTK.

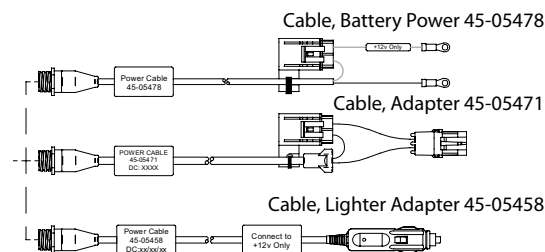
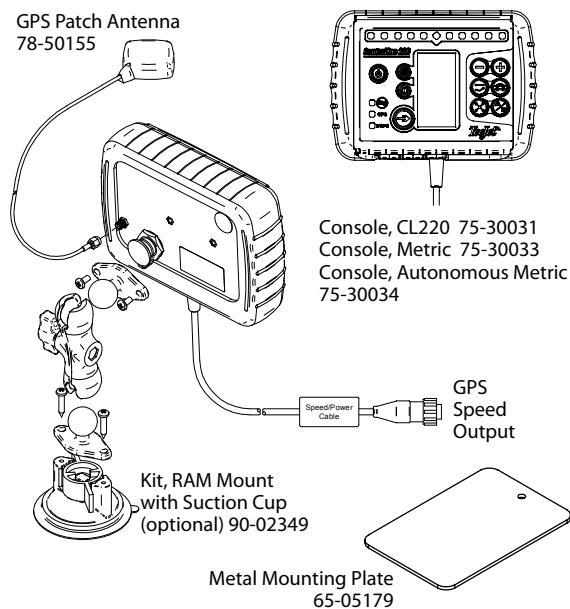
SBAS (Satellite Based Augmentation System):

A general term that refers to any satellite-based differential correction system. Examples of SBAS include: WAAS in the United States, EGNOS in Europe and MSAS in Japan. Additional SBAS covering other regions of the world will likely be coming online in the future.



CenterLine 220 Kit Includes: CenterLine 220 Console, Patch Antenna, Cigarette Lighter Power Adapter, RAM Mount Kit with Hardware, User guide

CENTERLINE 220 SYSTEM DIAGRAM



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