

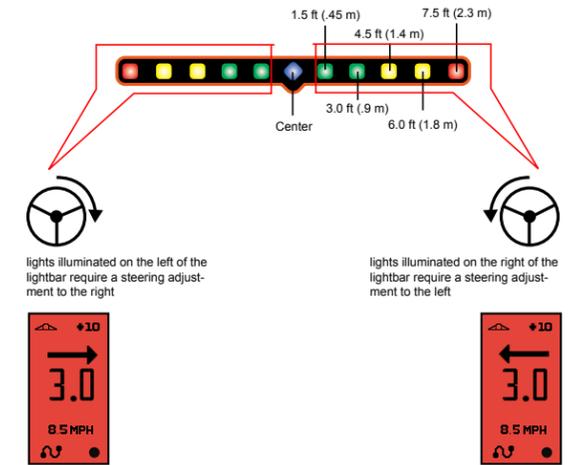
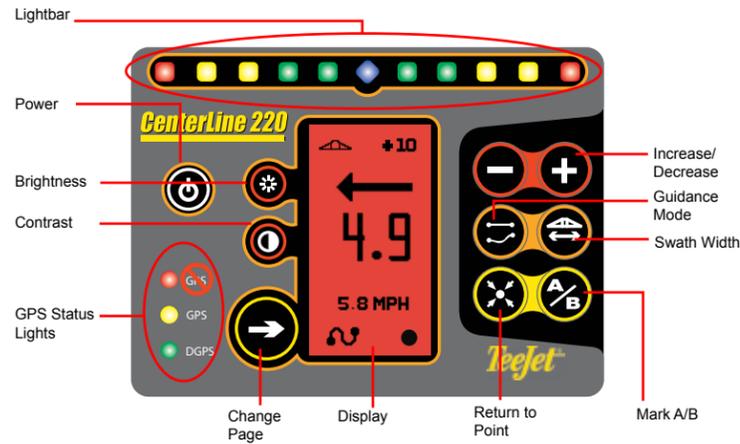
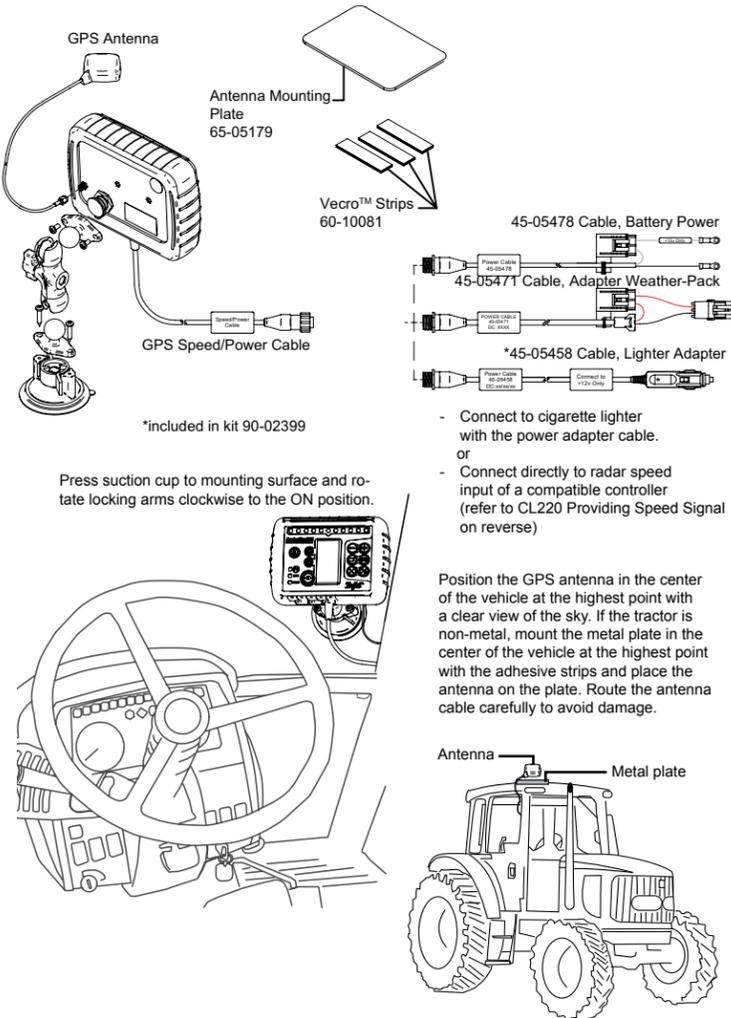
# CenterLine® 220

## INSTALLATION

The CenterLine® 220 is equipped with three cables: the attached Power/GPS Speed cable, the Antenna cable, and the Power Adapter cable.

**POWER/GPS SPEED CABLE** - The CL220 should be connected to a clean cigarette lighter receptacle for power. As an option, the CL220 can be connected to any controller or monitor that supports a radar speed input. When connected to the radar speed input of the monitor or controller, the CL220 will be powered by the controller and will provide a radar-like speed signal to that device.

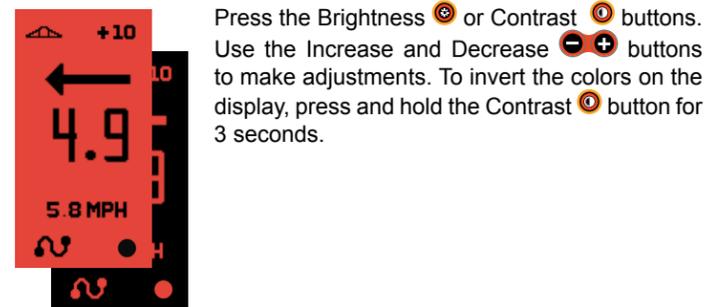
**GPS ANTENNA AND CABLE** - The antenna is magnetic, so for metal vehicles, position the antenna in the center of the vehicle at the highest point. For non-metal vehicles, a metal plate with adhesive strips has been included in the kit for easy mounting and installation. It is **STRONGLY** recommended to use this metal plate underneath the antenna as it will also boost signal strength. Once the antenna has been positioned, route the antenna cable carefully to avoid damage. Attach it to the threaded connector on the back of the CL220.



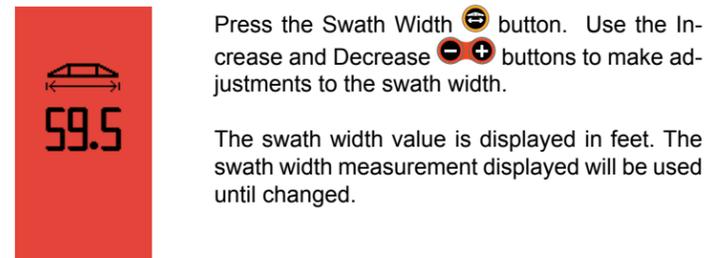
## CENTERLINE 220 SETUP AND OPERATIONS

Press the Power button to power up the CL220. The CL220 start-up screen will appear until a GPS signal is acquired. Press the Power button again to power down the console.

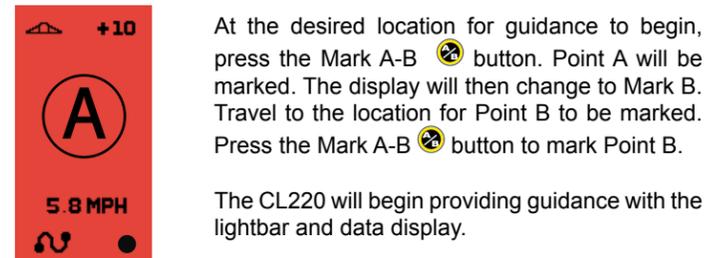
### BRIGHTNESS/CONTRAST



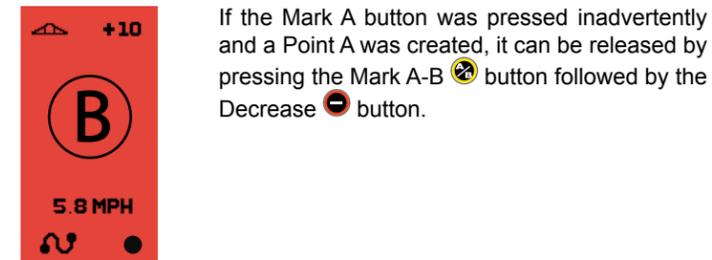
### SWATH WIDTH



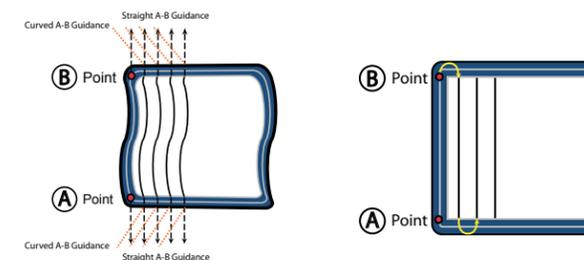
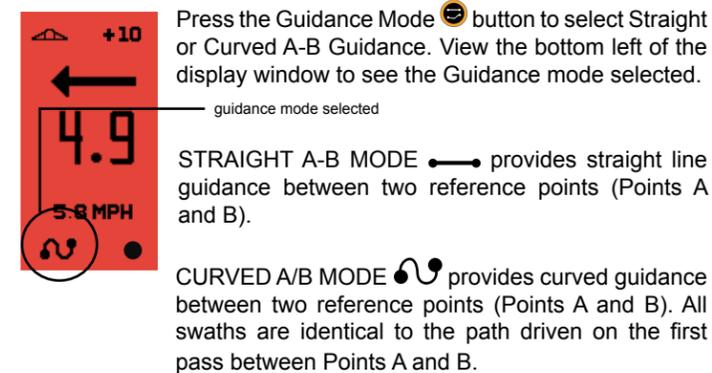
### SETTING THE INITIAL GUIDELINE



### SETTING INITIAL GUIDELINE (CONTINUED)



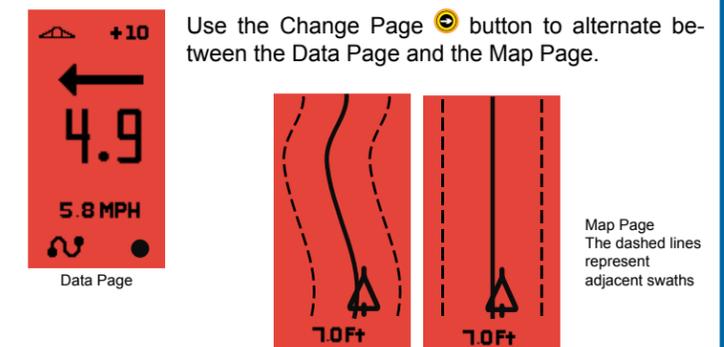
### GUIDANCE MODE



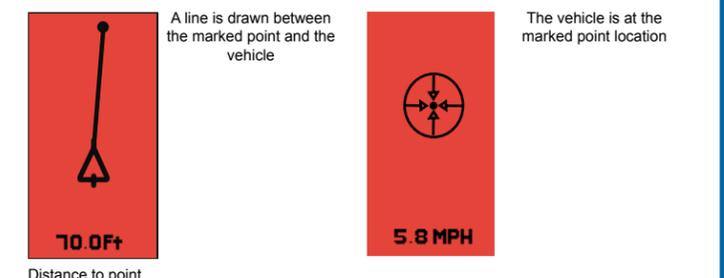
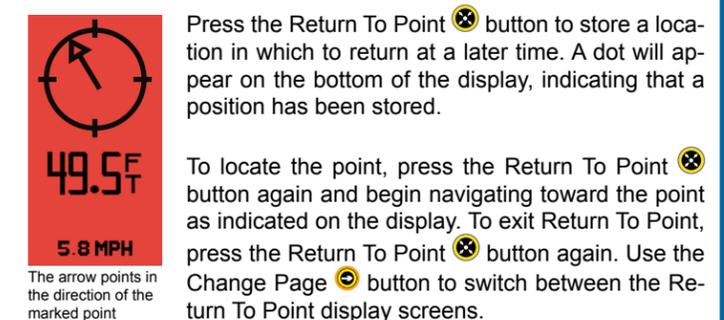
### A+ NUDGE FEATURE

At any time after a guideline is created, the guidance line can be shifted to the current vehicle position by pressing the Mark A-B button followed by the Increase button. The heading (and shape, if in Curved Guidance mode) of the original guideline is maintained, but the A-B line is shifted to the vehicle's present location.

### CHANGE PAGE

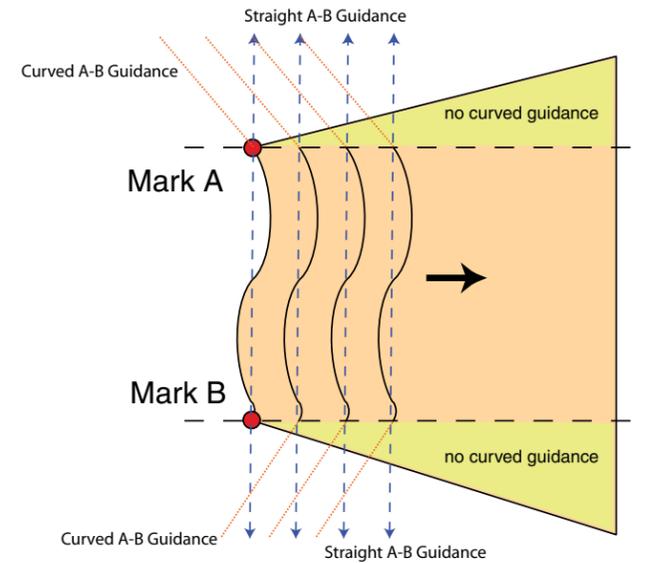


### RETURN TO POINT



## CURVED A-B MODE DETAILED DESCRIPTION

Curved A-B mode provides curved guidance between two reference points - Points A and B. All swaths are identical to the path driven on the first pass between the initial Points A and B. Guidance beyond Points A and B will result in Straight Line Guidance. To optimize curved guidance performance, begin product application on the longest side of the field and work toward the shorter side. The following example illustrates the areas that will NOT be covered by curved guidance when starting on the short side.



## TECHNICAL SPECIFICATIONS

### Electrical:

- Operating temperature -4°F to +158°F/-20°C to +70°C
- Operating voltage +9VDC to +16VDC
- Operating current < 500mA

### Dimensions:

- Enclosure W: 7.125" H: 5.125" D: 1.875"  
W: 180.9 mm H: 130.1mm D: 47.6mm
- Display W: 1.42" H: 2.70"  
W: 36.0 mm H: 68.5 mm

## CENTERLINE 220 PROVIDING SPEED SIGNAL

The CL220 can be connected to any controller or monitor that supports radar speed input. When connected to the radar speed input of the monitor or controller, the CL220 may be powered by the controller and will provide a radar-like speed signal to that device.



Speed adapter cable required: P/N 45-20042  
Radar Speed Calibration # for TeeJet Controls: 914



No adapter required.  
Radar Speed Calibration # for Mid-Tech Controls: 1000



Speed adapter cable required: P/N 45-20042  
Radar Speed Calibration # for 70 Series monitors: 9140



Speed adapter cable required: P/N 45-05508  
Radar Speed Calibration # for Raven Controls: 730



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