Getting Started with TimberNavi™

About TimberNavi™

TimberNavi™ is a mapping solution which uses satellite global positioning (GPS) for navigation. It enables forestry machine operators to see and track their real-time geographical position on a display and provides easy distance and area measurements. TimberNavi™ also displays map packages that represent cut block plans, machine tracking history, boundaries, and identifies obstacles and markers.

How the TimberNavi™ System Works

Geographical Information System (GIS) data is used to create a map package using TimberNavi™ map designer and ESRI® ArcGIS® for Desktop application. TimberNavi’s map designer enables the user to export desired imagery and topographic data. Using a toolbar available for download within ArcGIS™ for Desktop users can easily create or add map geometry. Once the map package is created, it is exported to a Universal Serial Bus (USB) flash drive and taken to the machine to upload to the TimberNavi™ display. TimberNavi™ then uses the map package to display real time GPS location, terrain information, points of interest, and harvesting areas. The GPS location is provided by the onboard JDLink™ system (Modular Telematics Gateway-MTG and antenna).

TimberNavi™ Map Set-Up Requirements

Software requirements for desktop PC:

- ESRI® ArcGIS® for Desktop (contains ArcMap™) version 10.2 or greater
- TimberNavi™ Map Designer
- TimberNavi™ Toolbar Add-on for ArcMap™

For purchasing information, software downloads, and training see an authorized John Deere Dealer.

TimberNavi™ Map Design Process

1. Use TimberNavi™ map designer to export imagery and topographic information as a tile package

2. Open tile package in ArcMap™
3. Build or add map geometry using TimberNavi™ Toolbar Add-on
4. Export map package
5. Deploy to USB inside a folder with site name

Using the Display

The display features a touch screen (1), buttons for switching the unit on/off (2) as well as adjusting the screen’s brightness level (3), status indicator (4), and a light sensor (5).

Starting Up—Monitor will start upon machine key-on. To manually turn on, press and release the On/Off button. The status indicator LED will start flashing yellow, indicating that the unit is starting up. LED turns green when monitor has completed boot up cycle.

Shutting Down—Monitor will shut down upon machine key-off. To manually turn off, press and hold the On/Off button for approximately 4 seconds. The status LED will flash in yellow to indicate shut down cycle has been initiated.

Screen Brightness—Press the respective brightness button to gradually increase or decrease the display brightness.

Touch Screen Use—The display is equipped with touch functionality. Slightly press or tap the screen to interact with the interface. To pan across the map, simply press and drag.

TimberNavi™ User Interface

The touch screen interface provides the ability to quickly and easily access the full feature set. The main interface includes the following icons

Menu—Provides a list of functions for operation including site selection, viewing historical tracks, settings, system information, and help content.

View Alarms and Layers—view alarm list and toggle layers.

Record Track—enables the ability to record machine GPS location.

Troubleshooting

<table>
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<th>Problem</th>
<th>Solution</th>
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| Upon machine key-on, monitor does not turn on | 1. Press power button on monitor.  
2. Check JDLink fuse, replace if necessary (15Amp).  
3. Contact JDLink™ system.  
4. Restart monitor  
5. Stop and restart tracking layer  
6. Contact authorized John Deere Dealer. |
| Unable to see monitor | 1. Adjust brightness using middle and lower buttons on left side of screen.  
2. Restart monitor.  
3. Contact authorized John Deere Dealer. |
| Touchscreen is unresponsive | 1. Restart monitor.  
2. Contact authorized John Deere Dealer. |
| Panning, zooming, or interacting with touchscreen and map is slow (more than 5 seconds to respond) | 1. Stop and restart tracking layer.  
2. Restart monitor.  
3. Check size of map files (all files should be under 40MB).  
4. If file is too large, load smaller map  
5. Load smaller map  
6. Stop and restart monitor  
7. Restart monitor.  
8. Contact authorized John Deere Dealer. |

* This document is not intended as a replacement for the Operator’s Manual. Additional information can be found at www.MyJohnDeere.com.