Turn-by-Turn Navigation

Give drivers one less thing to worry about, thanks to Turn-by-Turn visual and audio instructions that keep buses on schedule and ensure passengers arrive on time.

Every day, your operators get passengers to their destinations safely and on time. It's not an easy job -they must focus on the road and on passengers, and communicate with operations through voice call/data messaging, all the while minding on-time performance or headway spacing. Turn-by-Turn Navigation provides vehicle operators with visual and audio instructions when driving, helping reduce travel times and ensuring better arrival times or quicker returns to route.
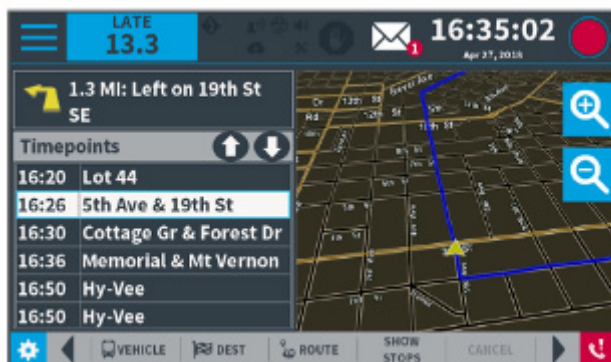
Overview

Get Accurate Driving Directions

- Provides audible turn-by-turn instructions over the driver speaker
- Works seamlessly with all Vontas OnRoute mobile operations on Mobile Data Terminal (MDT) Touch
- Automatically recalculates upon route deviation; capable of route options, such as faster time or shorter distance
- Begin Nav button activates navigation calculation or resumes navigation; Cancel Nav button pauses or stops navigation instructions

Map Features: Clearly See Where You Need to Go

- Features visual display of vehicle location and route on map; swaps out map data on a compact flash memory card for easy map updates
- Safety features - visual display may be inhibited while the vehicle is moving to meet hands-free/device-free legislation requirements
- Turn on/off map guidance; MAP button – selects map screen
- Enables map zoom in/out

Operators may opt to see Turn by Turn navigation (while on route or to entry point of route), their adherence, and interactive notification icons to give them up-to-the-minute information.

Agency Benefits

Reduced Operator Stress

Transit operators must balance road safety, headway spacing, and passenger comfort when they are behind the wheel, which can increase workload and stress. Along with the MDT, Turn-by-Turn Navigation is one more tool empowering them to deliver the safe, reliable service passengers expect, as efficiently as possible.

Better On-Time Performance

Guided directions for operators help reduce costly errors and improve KPIs (Key Performance Indicators). Turn-by-Turn Navigation automates navigation for fixed route and paratransit operators for regular, scheduled service, updates to the paratransit manifest, active detours, deadhead routes or navigating back onto route in an off-route scenario.

Optimized Fleet Resources

By eliminating many costly manual communications between dispatch and operators, your drivers can continue their routes for faster arrival times and provide a more reliable and on-time passenger experience. The end-result: greater operational efficiencies and reduced operating costs.

Passenger Benefits

Safer Journeys

- Better road awareness and hands-free calling for your operators enhance passengers' safety
- Minimizes potentially dangerous distractions when lost for operators (e.g., peering into street signs to orient)

Improved Customer Experience

- Speeds up travel times when off-route or on detour, ensuring on-time performance
- Frees up operators to help passengers with requests

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Vontas

Turn-by-Turn Navigation

HARDWARE REQUIREMENTS

- Trapeze onboard computer VI IVLU or V8 IVLU
- Touch MDT
- Compact flash card of sufficient size to hold all map data and operations parameters

SOFTWARE REQUIREMENTS

- WES 7 (VI) and Ubunto Linux (V8)
- Turn-by-Turn Mobile Mapping License
- HERE map data specific to operational area
- FastNav map engine
- 2D map with North oriented towards the top of the display and route highlighted

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