

# Internav® CX3

## VEHICLE TRACKING SYSTEM

### PRODUCT INFORMATION

#### General:

**Internav® CX3** is an Automatic Vehicle Location, Tracking, Navigation, Management and Control system which utilises the Navstar Global Positioning System (GPS) and Codan HF SSB radio equipment to provide communications between the central control station and mobiles. The MS Windows based tracking system, located at the control station, automatically polls selected vehicles located anywhere in the World and then plots their positions on a computer based map.

The control station consists of a PC loaded with the **Internav® CX3** vehicle tracking software which is connected via the serial communications port to the base HF radio.

Tracked vehicles are equipped with a HF SSB transceiver coupled with a GPS receiver.

### SYSTEM COMPONENTS

#### Base Station Computer:

Pentium processor  
32MB RAM minimum  
MS Windows® 95 or higher  
1 serial communications port  
1 parallel printer port  
SVGA (800x600x256 min.) graphics card  
1 1.44 HD 3.5" diskette drive  
100 MB HDD minimum  
Microsoft mouse  
**Internav® CX3** Vehicle Tracking Software

#### Base Station Communications Hardware:

Codan HF SSB 9323 or 9360 transceiver

#### Vehicle Communications Hardware:

Codan HF SSB 9323 or 9360 transceiver  
GPS receiver (NMEA 0183 data format)

### FEATURES

- Tracking, following and finding vehicles, shown on colour scanned maps of your choice
- Automatic recording of all emergency and safety events into an event log file
- Collision detection - warning when vehicles are too close to each other
- Alarm Zones - warning when vehicles enter restricted areas
- Corridor Zones - warning when vehicles leave designated travel routes
- Waypoint Proximity - notifying a vehicle upon approaching a checkpoint (waypoint)
- Telemetry - finds the nearest or furthest vehicle to a destination and displays the vehicle speed, distance, bearing and ETA to a selected location
- Textual and photographic information attached to every vehicle and waypoint
- Vehicle position recording for later playback and analysis

**Internav® CX3** is one of a range of Vehicle Tracking solutions from **ICS COMMUNICATIONS** with various 'tracking station to vehicle' radio carriers available. These include VHF/UHF radio, trunking networks, the GSM mobile phone network, Satellite phone, Inmarsat-B and Inmarsat-C and HF SSB radio.

**Internav®** is the complete vehicle tracking solution and is currently being used in Australia (Western Australia, New South Wales, Australian Capital Territory), Hong Kong, China, Malaysia, Thailand, Korea, Nigeria, Algeria, Uganda, New Zealand and United States.

#### ICS COMMUNICATIONS

Colord House  
Level 2, 33 Colin Street  
West Perth 6005  
Western Australia  
Tel: +61 8 9226 5060  
Fax: +61 8 9226 5070  
Email: [internav@internav.com.au](mailto:internav@internav.com.au)

#### CODAN Pty Ltd

81 Graves Street  
Newton 5074  
South Australia  
Tel: +61 8 8305 0311  
Fax: +61 8 8305 0411

#### CODAN Pty Ltd

Suite 11a, 2 Hardy Street  
South Perth 6151  
Western Australia  
Tel: +61 8 9368 5282  
Fax: +61 8 9368 5283  
Email: [radcom@codan.com.au](mailto:radcom@codan.com.au)

#### Codan (UK) Ltd

Gostrey House, Union Road  
Farnham, Surrey GU9 7PT  
United Kingdom  
Tel: +44 1252 717 272  
Fax: +44 1252 717 337