

## KAS-20 AVL AND DISPATCH SOFTWARE



**NXDN™**

**DMR**

FOR STANDALONE AND MULTI-CLIENT OPERATION

KAS-20 AVL and Dispatch Software is compatible with KENWOOD digital radio systems and runs on Windows and Windows Server. It offers a cost-effective way to start a basic AVL and dispatch system for a business. Both NXDN and DMR digital protocols are supported. Featuring a graphical UI and map displays for intuitive operation, the software enables seamless operations to control multiple subscriber units on the same network, employing either a client configuration or a server configuration with multiple clients. And by purchasing optional licenses, you can later add several value-added features.

### ● Product Highlights

- Windows-based software with AVL and Dispatch features
- Low-cost initial package, optional license upgrades
- Two configurations for enhanced scalability:
  - A simple, PC-based standalone AVL & Dispatch system
  - Multi-client operation with remote server; accepts up to 8 RF systems and 10 clients
- UI design with emphasis on functionality and maneuverability
- Supports diverse digital radio systems
- User-selectable options: Location Management, Voice Dispatch, Voice Path, Multi-client capability for a server, Voice Record, and RF System functions.

### ● Basic Features

- Flexible and scalable operator positions
- Multi-role dispatching functions
  - IP Voice dispatch console
  - AVL, fleet monitoring and mapping
  - Call log and Event sharing
  - Voice recording/playback
- Supports multiple KENWOOD IP interfaces: DMR Conv, NXDN Conv, Type-C Trunking, and Gen2
- Highly optimised GUI
  - User configurable call windows and patch windows
  - Map with editable unit icons, groups, and imported layers
  - Shortcut keys and configurable key bindings
- Server managed user levels, configurations, and permissions; Up to 30 users can be registered with 10 simultaneous logins
- Server stores all communications log and data such as GPS, status, messages, audio, etc.
- Import/export asset lists (e.g. unit, group, fleet) via TSV format
- Manual/auto asset list creation

### ● Fleet Management Features

- Location management for up to 1,000 subscriber units
- Compatible with both OpenStreetMap and scanned maps
- KML and CSV export
- Image layers can be individually switched on or off via Additional Layer Window
- Auto & manual polling, Loneworker, GPS time mark, GeoFencing, Track units, Go to home position, etc.
- Position Log & Play

### ● Dispatch and Voice Recording Features

- Console to: Unit, Talkgroup/Channel, Console calls
- AMBE+2, software vocoder: Capable of simultaneous processing of up to 8 paths
- 3 configurable software patch group
- Configurable Call Box window
  - Put any individual, talkgroup, console with priority
  - Adjustable volume/mute per call box
  - UID/alias indicator
  - Configurable color and size
- Voice recording and playback
  - Stores all voice in AMBE+2, quick replay from log window
  - Exports voice data to MP3 data format



Main AVL screen



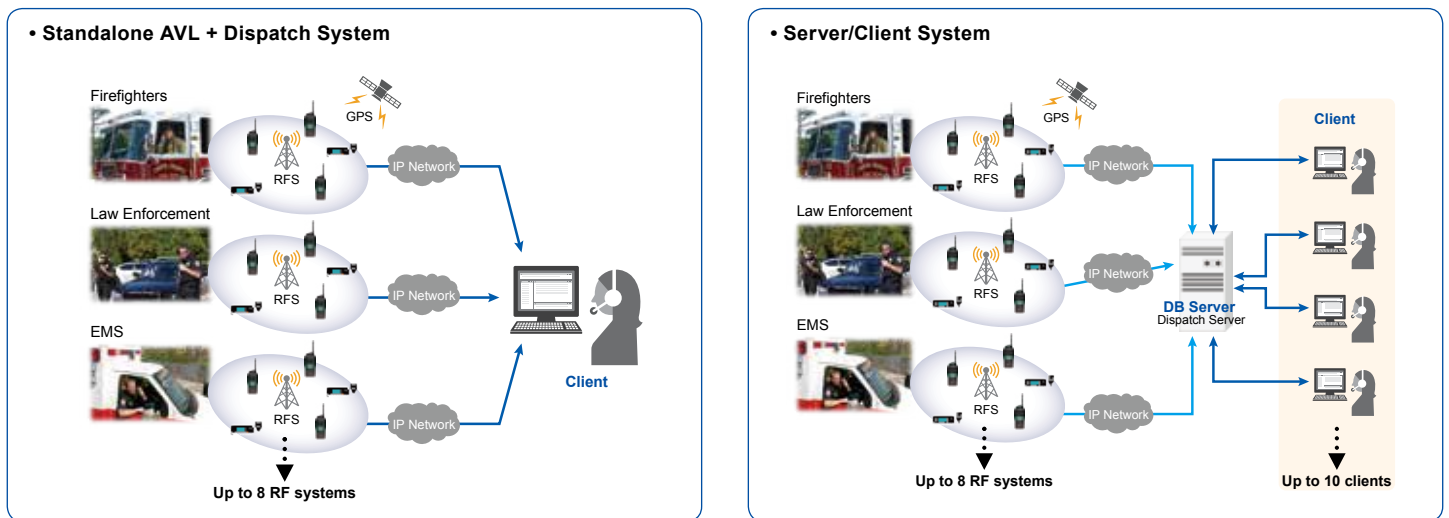
Main Dispatch screen

## SYSTEM REQUIREMENTS

|                  | DISPATCH CLIENT SOFTWARE KAS-20C  | DISPATCH SERVER SOFTWARE KAS-20S   |
|------------------|---|--|
| Operating System | Microsoft Windows 7, 8.1, 10 (works on 32bit & 64bit OS)  | Microsoft Windows 7, 8.1, 10 and Windows Server 2008R2, 2012R2 (works on 32bit & 64bit OS) |
| Processor        | 3.0 GHz Intel Core i5 CPU or faster   |  |
| RAM              | 4 GB or more  |  |
| Hard Disk Space  | 500 MB free space or more   | 50 GB free space or more   |
| Network          | 1 Ethernet Port / 100BASE-T and Internet connection   |  |
| Display          | 1920 x 1080 or higher resolution  | 1024 x 768 or higher resolution  |
| Other            | Requires Microsoft .NET Framework 4.5 or 4.6<br>Requires Microsoft SQL Server 2014 / 2014 Express<br>In/Out Devices: Speaker, Keyboard, Mouse, Microphone |  |

## CONFIGURATIONS

Both systems can be flexibly customised with licensing to meet user needs.



## AVL & DISPATCH SCREENS



AVL: Unit Operation



AVL: Emergency



Dispatch: List Display

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