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

**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
- Soft 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

**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 optimized 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

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![Main AVL screen](image1)
![Main Dispatch screen](image2)
## SYSTEM REQUIREMENTS

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

## CONFIGURATIONS

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

### • Standalone AVL + Dispatch System

- Firefighters
- Law Enforcement
- EMS
- IP Network
- Up to 8 RF systems

### • Server/Client System

- Firefighters
- Law Enforcement
- EMS
- IP Network
- Up to 8 RF systems
- Up to 10 clients

## AVL & DISPATCH SCREENS

- AVL: Unit Operation
- AVL: Emergency
- Dispatch: List Display

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