

PA-STARNet Subscriber & System Information



9/22/2022

P25 PA-STARNet Approved Radio & Additional Device List

Mobiles

| Manufacturer | Model | Band |
|---------------|---|------------------|
| Motorola | APX8500 | All Band Capable |
| Motorola | APX8500 Rack (Consolette) | All Band Capable |
| Motorola | APX6500 | Single |
| Motorola | APX7500 (Discontinued but still approved will be replaced with new model) | Dual Capable |
| Motorola | APX7500 Rack (Consolette) (Discontinued but still approved will be replaced with new model) | Dual Capable |
| Motorola | APX4500 | Single |
| Kenwood (EFJ) | Viking VM900 (Discontinued but still approved will be replaced with new model) | Dual Capable |
| Kenwood (EFJ) | Viking VM5000 | Single |
| Kenwood (EFJ) | Viking VM6000 | Single |
| Kenwood (EFJ) | Viking VM7000 (Single deck configuration ONLY) | All Band Capable |

Portables

| Manufacturer | Model | Band |
|---------------|--|-------------------|
| Motorola | APX8000 | All Band Capable |
| Motorola | APX7000 | Dual Band Capable |
| Motorola | APX6000 | Single |
| Motorola | APX4000 | Single |
| Motorola | APX900 (NOT public safety grade. Does not support OTAR/DVRS) NOT to be sold if encryption required) | Single |
| Kenwood (EFJ) | Viking VP900 (Discontinued but still approved will be replaced with new model) | Dual Capable |
| Kenwood (EFJ) | Viking VP6000 | Single |
| Kenwood (EFJ) | Viking VP5000 | Single |

Other Devices

| Manufacturer | Model |
|--------------|---|
| Motorola | MCD 5000 IP Remote Desk Set |
| Motorola | MCC7500E Dispatch Console (Replaces MCC7100 & MCC7500E with VPM Dispatch Console) |
| FutureCom | Repeater - Contact SRND before purchasing |
| Pyramid | Repeater - Contact SRND before purchasing |
| Consoles | Contact SRND before purchasing |

P25 PA-STARNet Radio Requirements & Options List

P25 Phase 2 Requirements Needed to Access the System – Required Features

| Manufacturer | Description |
|---------------------|--|
| Non-Vendor Specific | Digital CAI Operation |
| Non-Vendor Specific | P25 9600 Baud Trunking |
| Non-Vendor Specific | TDMA Operation |
| Non-Vendor Specific | Multi-Site Roaming |
| Motorola | Alias Download (Updates Alias Over-the-Air) – Requires Group Services |

P25 System Security Features & Requirements

| Manufacturer | Description |
|---------------------|---|
| Non-Vendor Specific | P25 Link Layer Authentication - Required |
| Motorola | ASK Hardware Key QA01648AA – Required feature in Radio (Disallow Software Programming) |
| Kenwood (EFJ) | RSD Hardware Key – Required feature Implemented in Template (Disallow Software Programming) |
| Non-Vendor Specific | AES 256 Encryption (Optional Based on Operational Need) – Only System Supported Algorithm |
| Non-Vendor Specific | Multi Key Encryption with P25 Over-The-Air-Rekeying (OTAR) – Required if purchasing Encryption <i>Note: Radios not capable of OTAR cannot be bought or upgraded with encryption</i> |

P25 System Options– Optional Options (System limitation on certain features)

| Manufacturer | Description | Requires |
|-------------------------|--|--------------|
| Non-Vendor Specific | Over-The-Air-Programming (OTAP) | P25 Data |
| Non-Vendor Specific | Wi-Fi Capabilities for programming | NA |
| Non-Vendor Specific | Bluetooth capabilities | NA |
| Motorola (at this time) | Location Services – currently being reviewed | P25 Data/GPS |
| Motorola | Enhanced Data | P25 Data |

Note: **Dual** band radios recommended. Coverage augmentation and fill-in coverage could be in a different band (other than VHF). If you have any questions, contact PA-STARNet Customer Support.