



File Code:

Date: 1 Mar 25

To: All Land Mobile Radio (LMR) Employees

From: Assistant Director, Land Mobile Radio (LMR)

RE: Subscriber Unit (Portable/Mobile Radio) Firmware and Software

We recognize the need for periodic radio subscriber unit hardware, firmware, or software updates. Firmware and software patches mitigate emergent security issues and/or enhance functionality. Our goal is standardization of software and firmware used, to ensure version control and reduce the likelihood of erratic system performance.

To improve interoperability, flatten training curves, and improve safety, updates/upgrades are performed on a schedule approved by the LMR Operations Branch Chief or designee. Toward that end, LMR personnel will not download or install new firmware or software on any Forest Service radio outside this system-wide process. Instead, they will distribute and install standard version(s) of firmware and software as follows:

- A designated group of LMR employees tested and evaluated the latest version(s) of firmware and software prior to deployment.
- The LMR Operations Branch Chief determined minor issues found during testing are not significant enough to delay this upgrade. The versions that shall be used are, therefore, listed in Attachment A of this letter.
- If a new version of software or firmware is not identified for certain radios, they remain on the previous year's version.
- If a new version of software or firmware is designated, affected radios will be updated during annual preventative maintenance (PM) or programming updates. This is normally accomplished on or after 1 October of the FY and not during the months of May through September, unless a critical vulnerability is discovered and the LMR LT approves an out-of-cycle update.

This memo and its attachment supersede the one I sent on 10 Jan 25. My POC for questions about this is Kevin Ames, LMR Electronics Engineer, available at kevin.ames@usda.gov or at (406) 224-3864.

Stephen R. Day
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Attachment A

For FY25, the approved versions of subscriber unit firmware and software are:

Model	Firmware	Software
*BKR-9000	5.10.36f1	RES 5.8.38
*BKR-5000	5.8.69	RES 5.8.38
KNG2-P150	5.7.12	RES 5.8.38
KNGP-150CMD	5.7.12	RES 5.8.38
KNG-P150	5.7.12	RES 5.8.38
KNG-P150S	1.6.1	KNG Editor 1.2.0
KNG-M150	5.7.12	RES 5.8.38
KNG-M150R	5.7.12	RES 5.8.38
DPH5102X	Group99 Patch	DPH Editor 3.5.5
DPHX5102X	Update #103	DPH Editor 3.5.5
DMH5992X	Update #102	DMH Editor 1.1.3
**Kenwood NX-5700	5.23.51	KPG-D1SL 5.20
**Kenwood NX-5200	5.23.51	KPG-D1SL 5.20

*BKR-5000/9000 – firmware 5.10.43 is available, but was released too late in FY25 for USFS wide approval. Testing was completed and this firmware is recommended currently only for users who require using Bluetooth features in FY25.

**Kenwood NX-5700 – Released firmware is recommended for FY25 and includes improved functionality for both Operator Selected NACs and Operator Selected Tones. See the instructions sheets in the firmware folder for information on how to program and use these features correctly.

All Forests should upgrade to the firmware/software versions listed as soon as possible, taking care to clone to and from like models (e.g., P150 to P150 and P150S to P150S) only.

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