

HV System Upgrade Procedure



HV System

The HV System utilizes a NX Pro Tester as an integral component of the overall system. The NX Pro Tester requires specific hardware and firmware to operate with the HV Expansion Unit.

NX Pro Software Requirements

When used in a HV System, the NX Pro Tester requires different firmware than when used as a stand-alone unit. The firmware is differentiated by the first major number. “2” is for stand-alone operation and “12” for HV Systems.

Firmware Syntax	Application
2 .xx.xxx	Stand-alone operation
12 .xx.xxx	HV System only

The last three digits identifies the release number (x.xx.**xxx**) and associated new features. The HV firmware (12.xx.xxx) will have all the same new features as the stand-alone firmware (2.xx.xxx).

NX Pro Hardware Requirements

The NX Pro Tester shipped after May 2023 are required to support the HV system. Below are the required serial numbers for the individual items.

Items	Part Number	Serial Number
NX Pro Tester	2-xxx-x	141453 or later
Backplane Board	5-8502	514403 or later
Transmit Board	5-8509	706946 or later



Upgrading the NX Tester and HV Controller Board firmware:

- Copy the following files to an NX Memory Card.

Unit	Firmware
NX Tester	12_xx_xxx.nxbn2
	12_xx_xxx.nxbn3
HV Controller Board	HV_x_xx_x.nxhp4

- Insert the NX Memory Card into the tester.
- Insert a Supervisor Key.
- From the main menu, select:
SETUP->CONFIGURATION->MORE...->UPGRADE FIRMWARE
- Select the desired firmware version with the Up/Down arrow keys, then press the Green button. Install BOTH the TESTER and HIPOT firmware (if the HV Controller Board firmware is contained in the zip file).

```
2_21_388
1592610 bytes
06-Aug-2024 16:36
TESTER                20/27
```

NX Tester

```
HV_5_xx_6
38636 bytes
29-May-2025 15:56
HIPOT                 14/30
```

HV Controller Board

- Follow the instructions displayed on the Tester.