HIOKI

Models 8860/8861 MEMORY HiCORDER
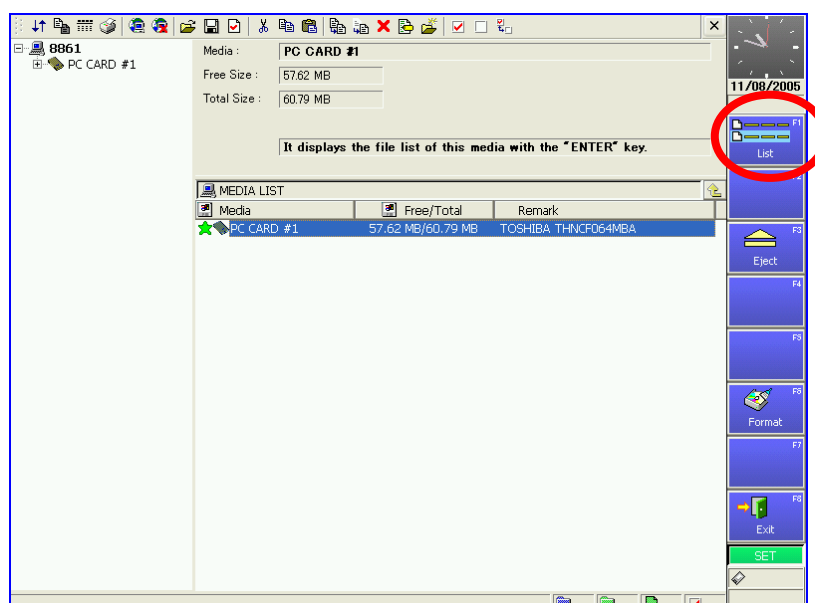## Version Upgrade Procedures

NOTE:
- **Do NOT turn off the power supply during the upgrade procedure until asked to do so.**
- After the version upgrade, the system will automatically reset to the default values. Before upgrading, saving setting conditions is recommended.
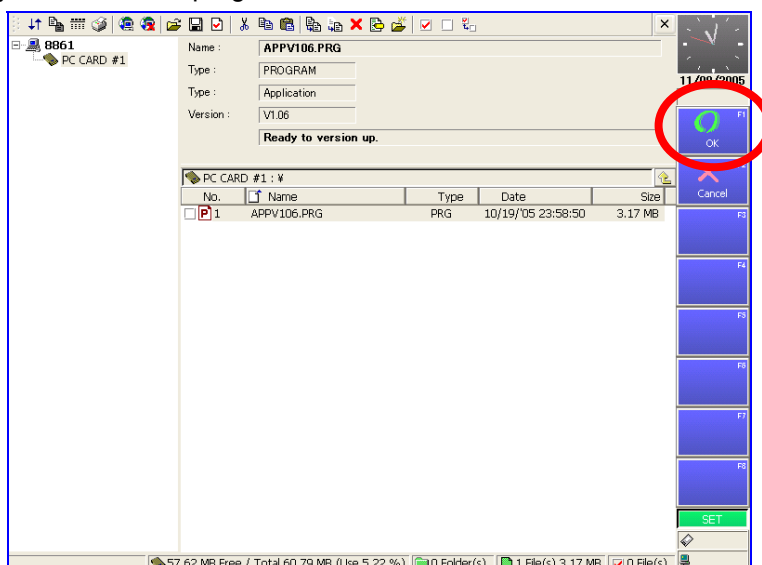- Disconnect all communication networks, and if possible, disconnect all cables.

Preparation:
1. *Equipment required:*   USB memory stick or **HIOKI-tested** PC Card
2. Download the version upgrade file from the HIOKI website onto your PC's hard drive
3. Unzip or decompress the version upgrade and save all of the contents into the USB memory stick or PC Card

Procedure: *(use of the PC Card as the storage media for the version upgrade file is described below)*
1. Insert the PC card stored with the version upgrade file into the 8860/8861's PC CARD Slot 1.
2. Press the FILE key on the 8860/8861 to display the File window.
3. Use the cursor keys to move to PC CARD #1 in the MEDIA LIST window, then press F1 to select LIST.   (If the MEDIA LIST window does not appear, press the ESC key a few times.)   If the storage media you have used to save the version upgrade file does not appear on the MEDIA LIST, there is a possibility the media is not compatible with the 8860/8861, or that it is physically damaged.   In this case, re-save the version upgrade file using an alternative storage media and try again.

4. Under the PC CARD #1 directory, select the version upgrade file (xxxxxxx.PRG) and click OK or press the F1 key to execute the program.
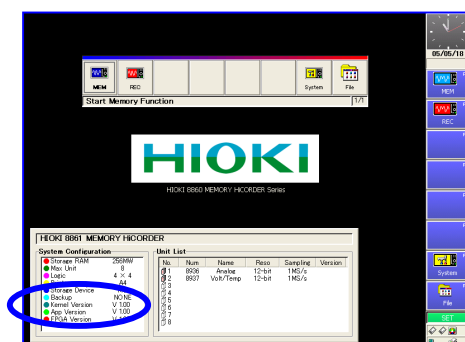

5. A dialog asking for confirmation will be displayed. Click OK or press the F1 key to proceed, or CANCEL to exit and quit the version upgrade.
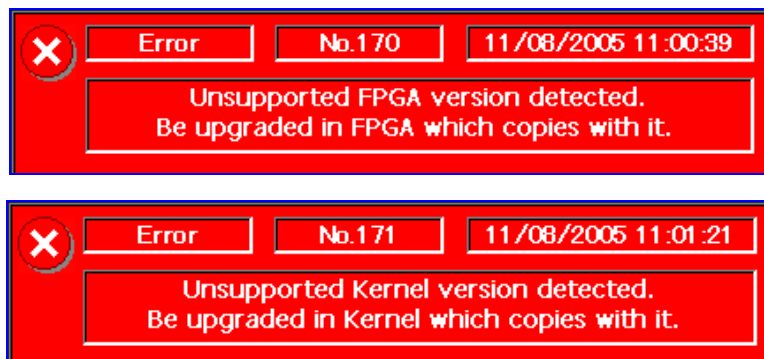
- Time required for version upgrade: 3 to 10 minutes
- Upon completion, the message **Done. Turn on the power once more.** will be displayed. *(This means that the version upgrade file has been completely loaded. Please restart the computer.)*

> **Do NOT turn off the power supply and DO NOT remove the storage media (PC CARD or USB memory stick) during the upgrade procedure. Doing so will cause the 8860/8861 to malfunction, at which time the instrument must be returned to HIOKI for repair.**

6. Turn OFF the 8860/8861 to complete the procedure. Version upgrade will not be finalized if the instrument is not turned OFF at this time.

7. Turn ON the 8860/8861 again.

8. In the startup window, check to see that the version number reflects the newest version number for all three programs on the bottom left of the screen.
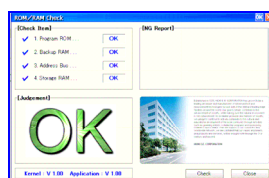
If the startup window does not display the newest firmware version numbers for all three programs, the following error messages will be displayed.   In this case, press the STOP key to clear the error messages, install the necessary files, and conduct the version upgrade again.

| ✕ | Error | No.170 | 11/08/2005 11:00:39 |

Unsupported FPGA version detected.
Be upgraded in FPGA which copies with it.

| ✕ | Error | No.171 | 11/08/2005 11:01:21 |

Unsupported Kernel version detected.
Be upgraded in Kernel which copies with it.

(The above messages mean that the FPGA or kernels have to be upgraded.)

9. Because all settings have been reverted to their default values, readjust to the desired settings or load any previously saved settings files as required.

10. Open the SYSTEM window (press the F7 key), select Init with the SUB MENU keys, and use the CURSOR keys to move to ROM/RAM Check to conduct a self-diagnostic test. Check to see that OK is returned.

The storage RAM check may require more than an hour if additional memory has been installed. As long as the ROM check is returned OK, it is acceptable to force quit by pressing the F1 key during the storage RAM check.

Please report any discrepancies to your HIOKI representative.