LOADING NEW "APPLICATION" SOFTWARE-GETTING STARTED

The sub-menu under the Organ Builder Menu called "Download Utility" allows organ builders to load "application" (operating system) software updates provided by Peterson via a 3.5" floppy disk inserted into the ICS-4000's Floppy Drive Unit or via a USB flash drive inserted into the USB Port Panel.   Software update files may be sent from Peterson as attachments to email messages to any online desktop or laptop computer, then saved by the recipient to a floppy disk or USB flash drive on that computer for transfer over to the pipe organ.

Application software of type 340 refers to the code run by the ICS-4000's Main Microprocessor Board. Application software of type 104 or labeled "floppy unit" refers to the code run by the ICS-4000's microprocessor located in the Floppy Drive Unit (on systems equipped with a Floppy Drive).

IMPORTANT NOTE: Loading new type 340 software will, under most circumstances, automatically clear all data stored in parts of the system's EEPROM memory, including piston, crescendo, tutti, piston sequencer, organist folder, and MIDI piston settings among others.   This automatic clearing of data is intentional and necessary to assure compatibility between old and new application software. Fortunately, a simple procedure can be followed BEFORE loading new type 340 software to safely transfer all of this data to a floppy disk or USB flash drive so that it may be restored back into the system's memory after the new application is loaded. For details, see the sections in this manual called "SAVE (BACK UP) ALL COMBINATION ACTION DATA FOR THE ORGAN" and "RESTORE ALL COMBINATION ACTION DATA FOR THE ORGAN FROM DISK". ***Always follow all instructions in this manual and the printed or emailed instructions provided by Peterson with any new software file to prevent inadvertent loss of important settings!***

DOWNLOAD UTILITY: LOADING APPLICATION SOFTWARE UPDATES

*(Important: User settings such as piston registrations will be **PERMANENTLY LOST** when new application software is loaded. We strongly recommend that you make a complete backup onto a disk or flash drive stick before continuing. See the section of this manual entitled "SAVE (BACK UP) ALL COMBINATION ACTION DATA FOR THE ORGAN".*

From the Organ Builder Menu List:

1. Turn the knob to select ">System Program Mode." Press the ENTER button.

2. Turn the knob to select ">Download Utility." Press the ENTER button.

3. Insert a floppy disk or USB flash drive containing the software file to be downloaded into the ICS-4000's Floppy Drive Unit or USB port.

4. Select the application software type that you intend to load. Press ENTER.

5. The disk or USB flash drive will be searched for all files of the type (file name extension) you have selected, and all relevant file names will be displayed. Turn the knob to select the one you wish to load, then press the LOAD button. Loading from the floppy will typically take about 12 minutes (much less for a USB flash drive). **Do NOT turn off the organ power or press any CDU, Floppy Drive Unit, or Record/Button Panel buttons while the file is loading**, because doing so may abort the download.   The download process would then need to be restarted at the beginning.