This document is an excerpt from the DK-Matrix Users Guide describing the process of updating software and SWA-Licence keys in the MSD's.

1   BIOS-Mode.

If the MSD does not start correctly, it is possible to boot the MSD in a special mode where it is possible to download new software. This mode is called the BIOS-Mode.

To enter the BIOS mode disconnect power and reconnect it while holding down the left-most soft key on the MSD.

When the screen turns blue release the softkey and a small window called "MSD BIOS Utility" in the top left corner of the LCD will appear.
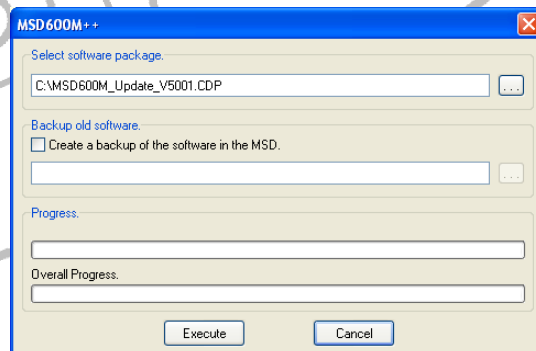
It should now be possible to use DK-Matrix to download new software, when done restart the MSD and it should now start correctly.

2   Software Update.

<div style="background-color: yellow; border: 3px solid black; text-align: center;">

WARNING!!!

DO NOT TURN OFF THE POWER OR DISCONNECT THE MSD DURING THE UPDATE PROCESS!!!

This will render the MSD inoperable!

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When new software packages is released by DK-Technologies, they are compiled into one single file with the extension `'CDP'` (Compiled Distribution Package). This file is to be installed using the function `'Install Software'` placed in the sub-menu `'MSD Software'` in the `'Tools'`-menu.

Selecting `'Install Software'` will open a window where the title bar will state which type of MSD is connected to the computer. This window is separated into three different areas.

Note.: If the MSD is in BIOS-Mode it is necessary to select from a dropdown box which type of MSD that is connected to the computer. If a wrong MSD-type is selected the CDP-File will not be installed correctly.

2.1   Select Software Package.

The input field in the area `'Select software package'` is used to specify the filename of the CDP-File that should be installed.

2.2 Backup Old Software.

As an option it is possible to upload a backup of the software installed in the MSD. Selecting the checkbox in the area `'Backup old software'` will enable the input field making it possible to specify a destination filename for the backup file. This backup file can only be installed into an MSD of the same type.

Note.: If the MSD is in BIOS-Mode this option is disabled.

2.3 Execute.

The third area is the `'Progress'` area. When the `'Execute'`-button is pressed the two progress bars in the `'Progress'` area will show the progress of the installation. The top progress bar will show the individual operation i.e. creating backup, downloading scales or other operations. The bottom progress bar will show the overall progress of all the operations.

If the software in the MSD is later then version 5.0 the MSD will be put into download mode when the `'Execute'`-button is pressed. In this mode the MSD will show a blue screen stating it is in download mode and none of the MSD-keys will function.
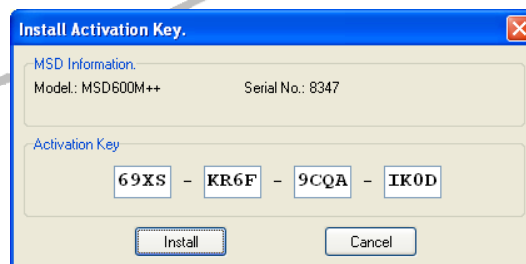
When the installation procedure is complete the MSD will be taken out of the download mode, the MSD will restart and a message will state that the installation is complete.

In some cases it might be necessary to reinstall the SWA activation key.

3 Install Activation Key.

From MSD-Software version 5.0 an activation key is required for the software to function. If the MSD shows a blue screen with the message `'Invalid Activation Key'`, it is necessary to install a new activation key.
This 16 digit activation key is installed using the function `'Install Activation Key'` placed in the sub-menu `'MSD Software'` in the `'Tools'`-menu.

When opening the window `'Install Activation Key'` DK-Matrix will disconnect from the MSD if it is in ON-Line mode. After a few seconds the Activation Window will show the MSD-Type, Serial Number and the current Activation Key installed in the MSD.

Entering a new activation key in the four input fields followed by the enter key, will install the Activation Key and restart the MSD. If the Activation Key is correct the MSD will boot with the normal MSD screen.

Observe: DK-Matrix will not indicate whether or not the Activation Key is correct.