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## 20770 Flash Utility V1.3.5 User Manual

### 1. Notes:

1.1 Please convert the \*.bin or \*.dat file with file compression tools, such as WinZip or WinRAR, during file transmission by email. Since some email servers will block the \*.bin or \*.dat file attached.

1.2 The following progress keeps the same for the higher version firmware or utility, unless a further user manual is provided.

### 2. Configurations

Hardware	Computer	Windows 2k/XP/Me, 5M free space, Serial Port (9 pins) or USB port
	Barcode Scanner	
	USB Cable or RS232 cable (5V adapter)	
Software	<MD6 Flash Utility V1.3.5 EN> folder	Upgrade software package
	.bin or .dat file	Firmware upgrade file for scanner

### 3. Steps to upgrade firmware by USB cable

3.1 Plug USB cable into a free USB port at the back of a PC.

3.2 Double click **Flash Utility V1.3.5 EN.exe** to bring up the interface of upgrading firmware as shown in Fig.1.

3.3 **Keep the trigger of the scanner BEING pressed**, and then plug the RJ45 header of the USB cable into the scanner. **The scanner will beep once and LED will turn on** to indicate entering on the firmware upgrade status, **and then release the trigger until now.**

3.4 Click“Browse”, choose the file ( format of \*.bin or \*.dat ) to download.

3.5 Click“Upload to Flash”, start the firmware upgrading process.

3.6 After successfully upgrading, “File Upload Successfully Completed!” will be displayed , at the meantime the scanner will beep for three times. If the upgrading process is not successful, please refer to the error message displayed.



Fig.1 MD6 Flash Utility interface

#### 4. Steps to upgrade firmware by RS232 cable



- 4.1 Plug a RS232 cable into a free serial COM port at the back of a PC, connect the 5V adaptor power lead with the electrical source ,connect the output of 5V regulator with the 9 pin header of the RS232 cable.
- 4.2 Double click **MD6 Flash Utility V1.3.5 EN.exe** to bring up the interface of upgrading firmware as shown in Fig.2.
- 4.3 Keep the trigger of the scanner BEING pressed, and then plug the RJ45 header of the RS232 cable into the scanner. The scanner will beep once and LED will turn on to indicate entering on the firmware upgrade status, and then release the trigger until now.
- 4.4 In “Interface”, select the proper interface according to the cable type.
- 4.5 In “Port Name” draw down list, choose the appropriate serial COM port.
- 4.6 In “Baud Rate” choose appropriate baud rate setting, if error encountered during downloading process, please change baud rate setting with lower transmission rate.
- 4.7 Click“Browse”, choose the file ( format of \*.bin or \*.dat ) to download.
- 4.8 Click“Upgrade”, start the firmware upgrading process.
- 4.9 After successfully upgrading, “File Upload Successfully Completed!” will be displayed , at

the meantime the scanner will beep for three times. If the upgrading process is not successful, please refer to the error message displayed.



Fig.2 MD6 Flash Utility interface

## 5. Afterwards

<div style="text-align: center;"> <b>%%%DEF</b> <b>WARNING: Default value initialization</b> If you wish to return the scanner to all the factory default settings, scan the barcode above.</div>
<div style="text-align: center;"> <b>%%%VER</b> <b>Firmware version list</b> If you wish to display the firmware version, scan the barcode above.</div>