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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.

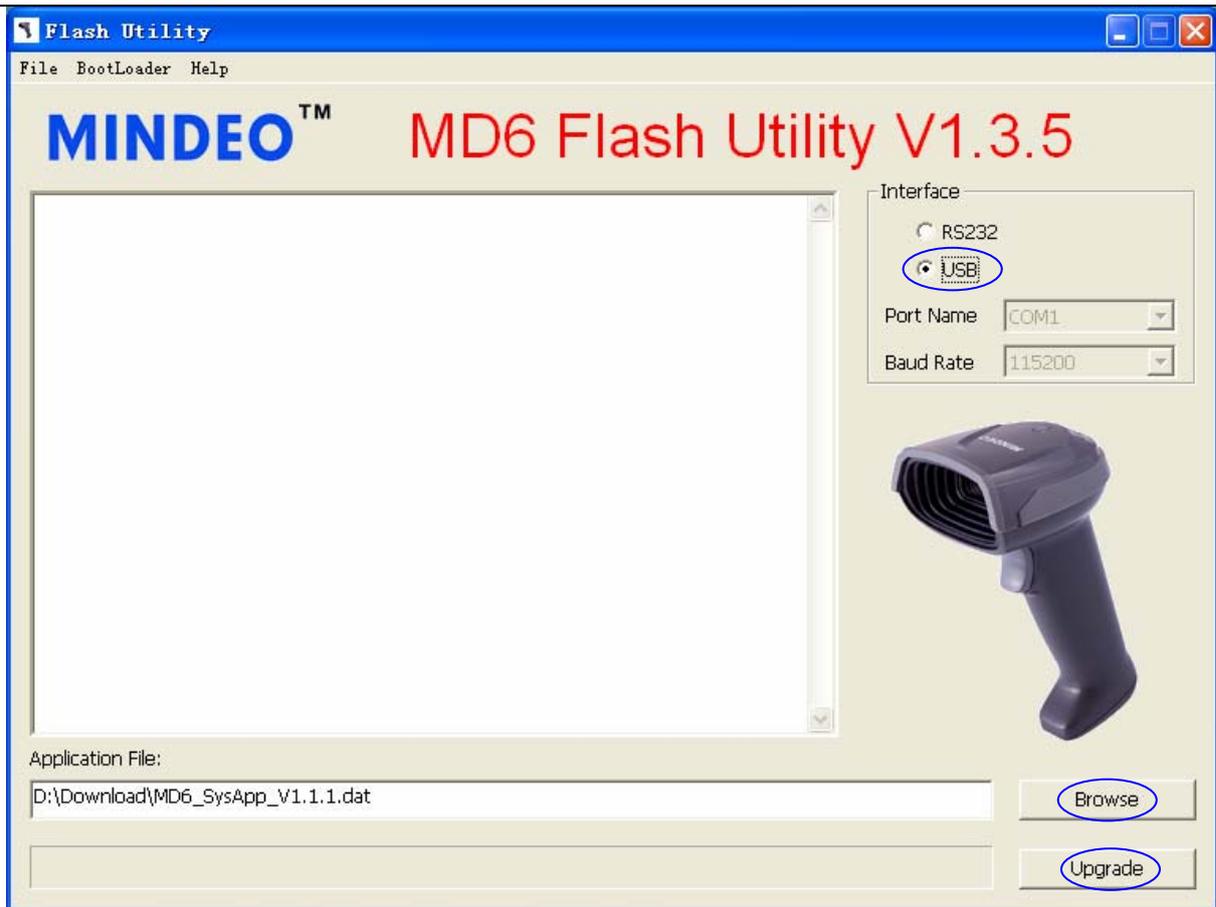


Fig.1 MD6 Flash Utility interface

#### 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

 <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.
 <b>%%%VER</b> <b>Firmware version list</b> If you wish to display the firmware version, scan the barcode above.