

BERNINA 750/710 - Firmware Update

Note:

The instructions take you step-by-step through the download and the extraction of the firmware files to an USB memory stick (**FAT32 formatted**). These instructions are also valid for further firmware updates – hence, the file names and illustrations used may be different, depending on the update, the installed operating system and the used Internet browser.

In this installation manual, illustrations from Windows® 7 and Windows® Internet Explorer 9 are used.

System requirements:

To update the firmware of the BERNINA 750/710 sewing computer requires:

- Computer with Windows XP® SP2 (SP3), Windows Vista™ SP2 or Windows® 7 (SP1) operating system
- System type 32 Bit or 64 Bit operating systems
- BERNINA 750/710 sewing computer
- User manual of the BERNINA 750/710
- Empty BERNINA USB-Memory Stick (min. 256 MB / FAT32 ¹- formatted)
- Free USB-Port on Computer side
- An Internet connection for downloading the files

Step 1: Formatting USB-Stick (FAT32):

Important! USB stick must be FAT32 formatted. If it isn't, the firmware update won't complete

successfully.

The reason is that a FAT16-formatted USB stick won't be able to save more 80 embroidery patterns from the

Format Removable Disk (K:)

sewing computer. To avoid data loss for USB stick capacity reasons, we strongly recommend to always use a FAT32-formatted memory stick. There won't be any capacity problems with a

FAT32-formatted USB stick.

WARNING: Formatting will erase ALL data on this disk.

1.1. How to FAT32- format an USB stick:

- a. Plug your USB stick into a free USB port on your PC.
- b. Wait until the stick is ready for operation.
- c. Open Windows Explorer.
- d. Right-click on the USB stick drive.
- e. Select 'Format' in the pop-up menu."
- f. The second window contains information regarding file system.
 - If **FAT32** appears in the bar, formatting won't be necessary.
 - If a different value than **FAT32** appears, set the value to FAT32 and carry out the formatting.
- g. Use Start to start FAT32 formatting. WARNING: Formatting will erase ALL data on this disk.
- h. After successful formatting, the USB stick is ready for the firmware updating of the sewing computer.

	OK Cancel
Format Removable Disk (K:)	Format Removable Disk (K:)
Capacity: 963 MB	Capacity:
File system	File system
FAT (Default)	FAT (Default) VITFS FAT (Default)
16 kilobytes 🗸	exFAT
Restore device defaults	Restore device defaults
Format options Image: Option of the second	Format options Image: Option of the second
Create an MS-DOS startup disk	Create an MS-DOS startup disk
Start Close	Start Close

WARNING: Formatting will erase ALL data on this disk.

To format the disk, click OK. To quit, click CANCEL.

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Step 2: Download firmware version file

- 2.1. To start the download process, click on the link: EFF Firmware BERNINAXXX VXX.XXXX (34.6MB) 1.
- 2.2. A dialog window will open:

Open the	e dropdown menu of 🛛	Save	t a	ind
select	Save as			

2.3. A dialogue window "**save as...**" opens. Select a directory on the local hard disk (as example: C:\BERNINA_Downloads), in which the file will be downloaded.

Confirm the selection with	Save
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🧭 Save As					×
🕖 🖓 - 🚺 « Wir	n7_64-Bit ► BERNIN	A_Downloads	✓ ← Search BERNIN	A_Downloa	ds 🔎
Organize 🔻 New	w folder			•	0
	^ Name	^	Date modi	fied 🔹	Туре
Libraries Documents Music Pictures Videos Computer Computer	E	No items	match your search.		
👝 Win_Vista_32-1	bit + I				•
File name:	Firmware_BERNINA_8	30_Vxxxxxxx			•
Save as type:	Compressed (zipped)	Folder			-
Hide Folders			Save	Cano	el

- 2.4. The file will be saved to the selected directory to your Computer. (As example C:\BERNINA_Downloads). (The time for downloading the file is dependent on the band width of your Internet connection).
- 2.5. Click on the Open folder button.
- 2.6. Opening the folder: "Firmware_BERNINA_xxx_Vxxxxx.zip".¹



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Step 3: Extract the firmware files

- 3.1. Plug on the Computer an empty USB-Memory Stick (min. 256 MB / FAT32 formatted) in one of the free and available USB-Ports.
- 3.2. To extract the files, click on the file: "Firmware_BERNINA_xxx_Vxxxxx.exe"¹.



3.3. Confirm the security information with

3.4. The self-extracting Zip file starts the following dialogue:

Select by clicking on the button the drive, where the empty USB-Memory stick is connected. (As example drive K :).

Attention: The firmware files may NOT be unpacked in one on the USB-Memory stick available subdirectory.

3.5. Confirm the selection with



Unpack all file	es to:	
ta\Local\Ten	mp\Temp1_Firmware_BERNINA_8	330_Vxxxxxxzip\
Confirm ov	verwrites	
	OK Cancel	
elf extracting	g ZIP file	X
elf extracting Unpack all fil	g ZIP file	X
Gelf extracting Unpack all fil K:\	g ZIP file esto:	×
Celf extracting Unpack all fil K:\ Confirm ov	g ZIP file esto: verwrites	

¹ The "x" is standing for a number, the visible numbers show you the firmware versions

3.6. The files become unpacked to the selected USB-



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Step 4: Checking of the files

Memory Stick.

4.1. After the extraction, you will find the following four (4) files, in the root of your USB-Memory Stick:

- vaxxxxxx Bernina xxx.bin¹ (Application)
- vbxxxxxx Bernina xxx.bin¹ (Bootloader)
- xbxxxxxx_Bernina_xxx.bin¹ (Data)
- vdxxxxxx_Bernina_xxx.bin¹ (Data)

(On your files, instead of the letter x will be shown numbers).

Organize 🔻 Sh	are with 🔻 🛛 Burn 🔹 New folder			•
🔶 Favorites 🤺	Name	Ŧ	Date modified	Туре
📃 Desktop	naxxxxxx_NG2RevC.bin		15.07.2011 04:03	BIN File
🚰 Recent PI 🗉	nbxxxxx_Multi_250.bin		01.12.2009 14:23	BIN File
Download Documer Documer Music Pictures	nd‱coor_NG2RevC.bin		15.07.2011 04:19	BIN File
Videos		m		_

Step 5: Update firmware of the BERNINA 750/710

5.1. The files are now ready to use for updating your BERNINA 750/710 Sewing computer.

For installing the new firmware on your BERNINA 750/710 sewing computer, please take your user manual of the BERNINA 7-Series at hand: (Chapter: Setup Program).

Step 6: Checking the firmware version:

- 6.1. Go to the "Setup-Program" of your BERNINA 750/710 Sewing computer.
- 6.2. Open the information section:.
- 6.3. Touch three the button on the screen of your BERNINA 750/710.
- 6.4. On the information screen of your BERNINA 750/710 you will see the following information:

¹ The "x" is standing for a number, the visible numbers show you the firmware versions

Version software: Vxx.xx.xx¹ Version data: Vxx.xx.xx Vxx.xx.xx¹ Version bootloader: Vxx.xx.xx¹ EMB Appl. version: (EMB Appl version only shown if the embroidery module is attached).









