Instructions for updating the printer firmware in chipless, method 1

Compatible Epson Printer Models: XP-340; XP-341; XP-343; XP-345; XP-352; XP-355; XP-440; XP-441; XP-442; XP-445; XP-446; XP-3100; XP-3105; EW-452A; XP-4100; XP-4101; XP-4105; XP-640; XP-645; XP-6000; XP-15000; XP-15010; EP-50V; WF-C5210; PX-S884; WF-5290; WF-7210; WF-7211; WF-7215; WF-7218; PX-S5080

For updating the printer firmware into a chipless one you need:

- 1. INKCHIP Firmware Program compatible with your printer model.
- 2. INKCHIP Activation Program compatible with your printer model.
- 3. A computer with a Windows operating system and Internet access.
- 4. USB cable
- 5. INKCHIP activation key.

STEP 1.

Download INKCHIP Firmware and INKCHIP Activation for your printer model from inkchip.net. Unpack the ZIP archives of these programs.

STEP 2.

Turn off your printer using the power button and wait at least one minute.

STEP 3.

Connect the printer to a Windows computer using a USB cable.

STEP 4.

Enter the printer in special mode for firmware. To do this, simultaneously hold down the following buttons on the printer control panel: "CANCEL" (1) + "DOWN ARROW" (2) + "LEFT ARROW" (3) + "POWER BUTTON" (4). Hold this combination for 3-5 seconds until "Firmware Update Mode" or "Program Update Mode" appears on the printer display (depending on the specific printer model) and release all buttons.



Please note that the inscription on the display must be in white font. If the text is red, this is an incorrect mode, turn off the printer, and then repeat the procedure for entering the printer in firmware mode.





STEP 5.

Launch the INKCHIP Firmware program on your computer.

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|------------------------|-----|
| [Resources] | |
| 🚳 e_dge321 | dll |
| 🚳 ENBoost | dll |
| FWG512TL | efu |
| INKCHIP.net_Activation | exe |
| BINKCHIP.net_Firmware | exe |
| 🚳 Unzip32 | dll |

Read the introduction and click Next.

| NKCHIP.net Firmware | × |
|--|----|
| 1 2 3 4 5 6 7 | |
| Introduction | |
| This software allows you to update the firmware for Epson printers/scanners. | |
| To continue, click [Next]. To quit this software, click [Cancel]. | |
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Read the license agreement, set the marker opposite "I agree." and click on the button next.

| INKCHIP.net Firmware | × |
|---|---|
| 1 2 3 4 5 6 7 | |
| Software License Agreement | |
| Read the following software license agreement. | |
| SPECIAL DAMAGES, INCLUDING ANY LOST PROFITS OR LOST SAVINGS, EVEN IF EPSON, ITS SUPPLIERS OR ANY REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY THIRD PARTY. Some states or jurisdictions, however, do not allow the exclusion or limitation of incidental, consequential or special damages, so the above limitations may not apply to you. | ^ |
| 6. Termination. Without prejudice to any other rights EPSON has, this Agreement shall automatically terminate upon failure by you to comply with its terms. You may also terminate this Agreement at any time by uninstalling and destroying the Software and all copies thereof. | |
| 7. Export Restriction. You agree not to transfer, export or re-export the Software and any data or information which you obtained from EPSON or use the Software without a proper license under Japanese law, restrictions and regulations, or the laws of the jurisdiction in which the Software is obtained. | |
| 8. Governing Law and General Provisions. This Agreement shall be governed and construed under by the laws of Japan without regard to its conflicts of law rules. This Agreement is the entire agreement between the parties with respect to the Software, and supersedes any purchase order, communication, advertisement, or representation concerning the Software. This Agreement shall be binding upon, and inure to the benefit of, the parties hereto and their respective successors, assigns and legal representatives. If any provision herein is found void or unenforceable, it will not affect the validity of the balance of the Agreement, which shall remain valid and enforceable according to its terms. This Agreement may only be modified in writing signed by an authorized officer of EPSON. | |
| 9. U.S. Government End Users. If you are acquiring the Software on behalf of any unit or agency of the United States Government, the following provisions apply. The Government agrees: (i) if the Software is supplied to the Department of Defense (DoD), the Software is classified as "Commercial Computer Software" and the Government is acquiring only "restricted rights" in the Software and its documentation as that term is defend in Clause 259, 273, 2012(cl)(1), of the DEBMS, and (b) the Software is causality of a provide the Software is an enabled to any unit or agency of the United States Commercial Computer Software is a software in the Software is and its documentation as that term is defend in Clause 259, 273, 2012(cl)(1), of the DEBMS, and (b) if the Software is an enabled to any unit or agency of the United States Commercial Computer Software is a software in the Software is a software is a software in the Software is a software in the Software is a software in the Software in the Software is a software in the Software is a software in the Software in t | ~ |
| Do you agree to all of the terms in the license agreement? If you agree, select [I agree] and then click [Next]. | |
| ● I agree. O I do not agree. | |
| Save as file <back(b) next(n)=""> Cancel</back(b)> | |



Click the Start button and accept the warning about updating the firmware.

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At this point, chipless firmware will be downloaded to the printer. The completion of the download process on to the printer will be indicated by the word "FINISHED" on the printer display. After that, press the "OK" button on the control panel and the printer will turn off.



INKCHIP Solution For Chipless Printing



STEP 6.

Turn on the printer in normal mode (using the power button) and run the INKCHIP Activation program on the computer.

| 金[] | |
|------------------------|-----|
| [Resources] | |
| 🚳 e_dge321 | dll |
| 🚳 ENBoost | dll |
| FWG512TL | efu |
| INKCHIP.net_Activation | exe |
| 🔡 INKCHIP.net_Firmware | exe |
| 🚳 Unzip32 | dll |

STEP 7.

In INKCHIP Activation select your printer model and click the Activate Online button. In the window that opens, enter the activation key and click OK. The program will send a request to the inkchip.net server and activate chipless firmware.

An activation key can be purchased at inkchip.net. The key has a limited validity period and is suitable for only one specific printer.

| INKCHIP.net Activation | – 🗆 🗙 |
|-------------------------|-----------------|
| English Russian Spanish | |
| USB010:(XP-3100 Series) | Refresh |
| Printer`s ID | |
| | Сору |
| | Activate online |
| | |
| Recovery code | |
| | Paste |
| | Recover |

STEP 8.

Save the firmware recovery code, which will be generated in the appropriate program window. This code will be needed if necessary, to restore chipless firmware.

| NKCHIP.net Activation | – 🗆 X |
|---|-----------------|
| English Russian Spanish | |
| SB010:(XP-3100 Series) | Refresh |
| Printer`s ID | |
| Serial:X6D7097475 ID Code: TwiSKkAyJcIESdsjiN83sMXQrymzykb +YgK9EDvR | Сору |
| +ILoCjlpQHHU/FNU3RADWGwj9PN5sxaK ydpcZgNJINhIHu +c28DhgTSazyzbG3grgim92dECxxjuNPPeHZQem | Activate online |
| jPLpwWSJ2OW1zcxbNCJjBZbMV5w= | |
| Recovery code | |
| LnfT4pSGLiDls6Nmp7IQeh +AZXYBAAAADAAAABE/raWcFi7qOuwEN30NRG iqRbn3AwAAAJ8A AAB/AAAAAAAAAAA | Paste |
| AAAAAA////////wg0AQAAAAAAAAAApjlex | Recover |

STEP 9.

Turn off the printer using the power button. The device is flashed into a chipless version.

STEP 10.

Install the supplies in the printer and turn it on. The printer will be ready for use.

IT's IMPORTANT! Do not turn on the printer after activating the firmware without consumables installed - this may lead to the failure of the print head of the printer.

