

**QUICK START GUIDE****A - INVENTORY**

If any items are missing from this package, please contact a BPM Microsystems Customer Service Representative.

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| <ul style="list-style-type: none"><li>• Concurrent Programmer</li><li>• Power Supply</li><li>• Power Cord</li><li>• USB Cable (A to B)</li><li>• Software USB Stick</li></ul> | <ul style="list-style-type: none"><li>• Diagnostic Socket Card</li><li>• Vacuum Pen</li><li>• Quick Start Guide</li><li>• Product Registration Card</li><li>• Certificate of Conformance</li></ul> | <ul style="list-style-type: none"><li>• Customer Service Representative Card</li><li>• USB Communications Document</li><li>• Warranty Information Guide</li></ul> |
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**B - INITIAL SETUP**

1. Plug the included Software USB Stick into the PC USB port, or download from [www.bpmmicro.com/software](http://www.bpmmicro.com/software).
2. Right-click the BPWin installation ".exe" file and click "**Run as Administrator**".
3. Follow the on-screen instructions to install BPWin software. (When prompted to "*Choose the required BPWin installation*", select the "**BPWin**" option to install the software for manual programmers.)
4. Restart the PC after installation is completed.
5. Directly connect the included power cord from the programmer to an electrical outlet.
6. Directly connect the included USB cable to a Type-A USB port on the PC (*USB 2.0 port or later recommended*).
7. Directly connect the other end of the included USB cable to the Type-B USB port on the back of the programmer.
8. Turn on the programmer and wait for the green pass LED to remain on.
9. Follow the on-screen instructions to install USB drivers for the programmer.
10. (*This step is for Windows XP, Service Pack 2 users only, others proceed to next step.*)  
In the Found New Hardware Wizard Window, click on "**No, not this time**" selection and click "**Next**".
11. Select "**Install software automatically**" and click "**Next**".
12. Refer to the on-screen information to verify driver installation.
13. **IMPORTANT!** The **Found New Hardware Wizard** will launch for each individual programming site, and a repeat USB driver installation must be done for each programming site. Once the USB drivers are installed, the PC will recognize that the site(s) are connected later. If a different USB port on the PC is used, the **Found New Hardware Wizard** will launch and install new USB drivers.
14. After Windows has completed the USB driver installation, click "**Finish**".
15. Verify that all USB drivers are loaded correctly, recognized by Windows and attached. The programmer sites will be listed in **Windows Device Manager**. The Device Manager in Windows can be accessed using the **Windows+Break** keyboard combination. Click the **Hardware** selection. Expand the **BPM Microsystems** node. There should be a BPM Microsystems programmer site for each programmer site attached and turned on.
16. Launch the BPWin software by double-clicking on the BPWin desktop icon or selecting BPWin from the Windows Start menu/Programs list.
17. Follow the instructions on the included *Product Registration Card* to register the programmer and software.
18. Check the software screen to make sure the software recognizes the programmer and socket card (these appear on the status bar of BPWin). Otherwise, perform the "**Configure**" operation to reinitialize the hardware detection.

**C - PROGRAMMING A DEVICE**

1. Click the "**Device**" button.
2. Select the device to be programmed. Typing the device name will narrow the search results.
3. Insert the appropriate socket card(s) on the programmer. (On the menu bar, click **Device > Socket Module Info** to find socket card(s) that will support the device selection.)
4. Click the "**Data Pattern**" button.
5. Click the "**Open**" button to retrieve the file to be loaded.
  - a. Click the "**Browse**" button to search for the file.
  - b. Select the file to be loaded.
  - c. Choose the appropriate settings, and then click "**OK**". Repeat for the next window.
6. Click the "**Device Config**" button, and then click "**Settings**".
  - a. Set the appropriate Device Settings as required. (*Be aware that some devices may require ranges to be set. Read the Device Notes carefully, or contact BPM Microsystems Customer Service with questions.*)
  - b. Click "**OK**" when completed.
7. Under the **Program** tab, choose the appropriate settings for device operations.
8. Under the **Quantity** field, select the number of devices to be programmed.
9. Place the first device in the socket on Site Socket Location A. Use the included Vacuum Pen as needed.
10. Click the **Program** button.
11. Press the **Start Pushbutton** on the side of the programmer if the quantity field is set greater than one.
12. After the green Pass or red Fail LED lights up, place a device in either site, and then press the **Start Pushbutton** on the programmer to continue to the next device.

**D - SELF-TEST DIAGNOSTICS**

1. Click the "**Device**" button, and then select **BP Microsystems Diagnostics**.
2. Insert socket card(s) on the programmer to test as follows:
  - a. To test hardware functionality of the programmer, insert the included *Diagnostic Socket Card* (with label "FXASM9XDIAG") on the programmer. The *Diagnostic Socket Card* enables additional tests on the programmer for maximum test coverage.
  - b. To test hardware functionality of socket card(s), insert the desired socket card(s) on the programmer.
3. Press the "**Execute**" button, and then a Self-Test Configuration window will appear momentarily.
4. Select the programmer site(s) to test, then press the "**OK**" button.
5. Diagnostics will take a moment to test hardware functionality of the programmer and of the inserted socket card(s). When testing is completed, the Output section will provide a Self-Test Summary displaying whether the Unit(s) have Passed or Failed.