

## Addendum A: Installation of Software

This procedure will document all steps to upgrade the Marksman Pro controller to the latest version of software. Although these steps focus on the upgrade procedure for a Marksman Pro machine, you may use the same basic steps to install the BoxWriter Pro software onto a off the shelf PC in which case the software can be enabled to run in demonstration mode.



As of version 3.16, additional steps must be made to ensure that the software will run correctly when installed in a Microsoft Vista environment. These instructions will be both during the normal procedure as well as an additional section following the traditional procedure. These additional instructions should only be used on client supplied machines and will only function in “demo mode” – Marksman Pro hardware is NOT Microsoft Vista compatible. Contact Technical Support for Vista 64-Bit support.

### Equipment required:

Marksman Pro (2465-000XX)  
USB Flash Drive (available at most office supply or computer retailers)  
BoxWriter Installation Software (available on the FoxJet website)  
Database Access Objects 3.5 Software (available on the FoxJet website)



**NOTE:** In order to complete this procedure, the Marksman Pro to be upgraded must have an available USB port on the bottom of the machine. If your Marksman Pro does not have this port, please contact Technical Support.

### Upgrade procedure:

This procedure assumes that you have successfully booted the computer and exited any programs that are running including the current version of the BoxWriter Pro software. In addition, this procedure assumes that you have transferred the latest version of the BoxWriter Pro installation package from the FoxJet website to your USB Flash Drive.

#### STEPS 1-3: BACKUP EXISTING DATA

1. Plug in your USB flash drive into the available USB port on the bottom of the Marksman Pro machine. The Marksman Pro will detect and install the appropriate drivers for the flash drive automatically. This process may take as long as 1-2 minutes. If you experience a problem with your specific flash drive, please refer to the documentation that you received with the USB flash drive.
2. From the desktop, double-click on the “My Computer” icon. Once Windows XP recognizes and installs the appropriate drivers for the USB flash drive, your screen should be similar to Figure 2.0. Specifically, you should have a “devices with removable storage” section identifying your USB flash drive.
3. Backup the existing Marksman Pro software and user data. Navigate to the C:\Program Files\FoxJet directory. Once you are in this directory, you should see a “MarksmanPro” directory. Single click on the “Marksman Pro” directory, then click File, Send to, “Removable Disk (D:)”, where “Removable Disk (D:)” is the name of your USB flash drive. This process may take a few minutes. At the completion of this step, you have successfully completed the backup of the customer’s entire software AND user data information to your USB flash drive.

### STEPS 4-11: UPGRADE SOFTWARE

4. Navigate back to the My Computer screen as seen in Figure 2.0 and double-click on the “Removable Disk (D:)” removable drive, where “Removable Disk (D:)” is the name of your USB flash drive. The contents of your flash drive should have the BoxWriter install package and a backup MarksmanPro directory that you created in step 3. Double-click on the BoxWriter install package.



NOTE: If you downloaded the BoxWriter Pro software off the FoxJet website, it is likely named BwProSetup\_3.16.zip or similar. Simply double-click the zip file which will display the setup file - BwProSetup\_3.16.exe or similar. Double Click on this exe to start the installation.



When starting the installation program on Microsoft Vista, you will likely receive a User Account Control pop-up asking you for permission to run an unidentified program. You must select “Allow” in order to install the software.

5. First, choose your preferred language for the installation package and click “OK”. At the top of the following screen, the program should state “BoxWriter Pro Setup”. If a different program is specified, you are running the wrong installation package in which case you will need to reload your USB flash device with the correct installation program. To continue the setup, you must agree to the license agreement by clicking “I Agree”.
6. Installation options are listed on the next screen. By default, the BoxWriter Pro option is automatically selected and must be selected to install the core software. At the completion of the installation, you will be able to access the BoxWriter Pro software via the program group “FoxJet” on the start menu. Additionally, if you prefer to place a shortcut to the BoxWriter Pro software on the desktop as well as the “startup” group on the windows start menu, select the “Start Menu and Desktop Shortcuts” option. This option is only recommended when installing this software on a Marksman Pro. Click “Next” to proceed with the installation.



NOTE: If you select the “Start Menu and Desktop Shortcuts” option, a shortcut will be placed in the windows startup group and thus every time Windows XP is booted, the BoxWriter Pro software will automatically start. This is a factory default setting on the Marksman Pro

You may choose to install the special MK fonts that are fonts that have been designed specifically for the Marksman Pro for optimum printing performance. By default, fonts are not installed by the installation program.



NOTE: If this installation is an upgrade of a previously installed version of BoxWriter Pro software for either the Marksman Pro or in a demo environment, FoxJet suggests that you do NOT reinstall the fonts as there is a possibility that the MK fonts will become corrupt.



NOTE: If this installation is for a demo installation onto a personal computer (non-Marksman Pro) and you have never installed the demo software on it, you should choose to install the fonts.

Finally, you may choose to delete any FoxJet specific registry settings. You should only do this if you are reinstalling the Marksman Pro because the program was malfunctioning. Contact Technical Support if you have additional questions on whether to install this option.

7. The next screen allows for command line arguments to be added to all installed shortcuts. This is helpful in order to install the program as a demo version. To do so, insert “/demo” without the

quotes in the provided text box. By doing this, the program will automatically boot into demo when the shortcuts are used. Note, you should NOT do this on “live” controllers because it will cause the system to not recognize the heads nor print. Click “Next” to proceed. See Page A4 for a list of available command line arguments.

8. The installation folder should be left at the factory default location shown below. Click “Install” to continue.

“C:\Program Files\Foxjet\MarksmanPro”

9. The installation program will now begin installing the BoxWriter Pro software. On new installations, the software installation will complete without further options, goto step 10. If this is an upgrade from a previous version, the software will detect a previously used database and prompt whether you wish to keep it by clicking “Yes” or install a factory default database by clicking “No”. Only select “No” if you wish to destroy the previously used database.
10. Depending on the previous version of software, the system may prompt you to update the driver. Choose “Yes”.
11. The installation software will state that it is completed. Click “Close” to complete the process.



For Windows Vista installations, skip DAO installation (Steps 12-17). DAO is not compatible with Vista and thus database compaction is not available. Goto page A5 for additional steps required to run BoxWriter software on Vista.

### STEPS 12-16: DATA ACCESS OBJECTS INSTALLATION

Data Access Objects has been a necessary component since version 2.00. If you have already installed Data Access Objects 3.5 (DAO3.5) in the past, it is not necessary to reinstall DAO components for this upgrade. If you are unsure whether DAO is installed on the PC, you can check for an entry from Data Access Objects in the Add/Remove program section of the Windows XP control panel. If unsure, you can install Data Access Objects again without any problems. If you are not installing the DAO controls at this time, you still need to restart your computer to ensure that all software is registered correctly.

12. Following step 1-4 above, locate the Dao35.zip file on your USB device. Double click on the zip file which will display a list of files. Locate the DISK1 Folder and Double click on it. Locate the setup.exe file and Double click on it.
13. Click Next on the Welcome screen.
14. On the Select Components screen, both Jet 3.5 and ODBCDirect should be selected, click next.
15. On the Second Select Components screen, all components (Excel, Paradox, ...) should be selected, click next.
16. The setup program will now install the selected components. Once the process is 100% complete, you should receive a confirmation.
17. To finish the installation, please reboot your computer.

### Valid Command Line Arguments

Switch	Description/Function
/demo	Emulates the Marksman Pro PHC cards giving the user the ability to start and stop messages. This is helpful when demonstrating the software on a laptop computer.
/user=admin	Allows the username (in this case, admin) to be specified at the command line in order to bypass the need to login to the system. Note, you must also specify the password for the username at command line in order to use this function.
/pass=foxjet	Allows the password (in this case, foxjet) to be specified at the command line in order to bypass the need to login to the system. Note, you must also specify the username for the password at command line in order to use this function. For example:  <pre>"C:\Program Files\Foxjet\MarksmanPro\Control.exe" /user=admin /pass=foxjet</pre>
/printcycle	When the printhead is in a print cycle, the printhead will highlight red on the printhead table in the control software. Use only for testing.
/dsn=mkpro	Allows a specific DSN entry to be utilized instead of the DSN created when the software was installed. In this example, the DSN mkpro has been specified. Note, you must define the mkpro (or applicable) DSN in Windows in order for this to function correctly.
/mphc	Forces the Marksman Pro to bootup utilizing the ProSeries High-Resolution printhead card driver.
/vx	Forces the Marksman Pro to bootup utilizing the VxJet 9x Valve Low-Resolution printhead card driver. 2.xx software has NOT be verified to run Vx printheads. The latest version of Vx software is 1.34.
/image_on_photocell	This is the default image style of the Marksman Pro. All variable and static print information will be generated when the photocell is tripped. This method of operation will handle almost all speed requirements.
/image_on_eop	In this mode, the Marksman Pro will generate the next print based on the end of the current print. This allows the Marksman Pro to print at higher frequencies. The maximum rate of this mode has not yet been determined.

If command line arguments are used to start the program, those arguments will be listed in the Help, About screen under the command line arguments tab.



### **Additional steps required for Microsoft Vista installations** **COMPLETE THESE STEPS BEFORE RUNNING THE SOFTWARE**

#### **STEPS 1-11: SETUP THE DNS ENTRY**

1. Click on the vista start button and click on “Run...” in the start menu.
2. In the Open box, type odbcad32 and Click OK.
3. Click Continue on the Vista security box indicating that you wish to open ODBC components.
4. Click on the System DSN tab.
5. Click Add...
6. Choose the “Microsoft Access Driver (\*.mdb)” from the list. Click Finish.
7. For Data Source Name, enter “MarksmanPro”.
8. Click Select...
9. Navigate to C:\Program Files\FoxJet\MarksmanPro, Click on MarksmanPro.mdb. Click OK.
10. Click OK.
11. Click OK.

#### **STEPS 12-18: SETUP THE PROPER SHORTCUT PROPERTIES**

Depending on the way that you chose to install the program, you may have multiple shortcuts that start the BoxWriter software. By default, there is a shortcut on the start menu under FoxJet called “Print Control”. There might also be one under startup and possibly one on the desktop. I will be modifying the shortcut on the desktop in this example, but ALL need to be modified in the same way to ensure data consistency. Finally, I have noticed that by changing only one of the shortcuts, all of mine changed – which for this situation is good. However, I caution you to check them all to ensure they properly changed.

12. On the desktop, right-click on “Print Control”.
13. Select properties.
14. Select compatibility tab.
15. Check the “Run this program in compatibility mode for:”
16. Select Windows XP (Service Pack 2)
17. Check the “Run this program as an administrator”
18. Click OK.

#### **Vista-specific Notes:**

When this program is run, you will be prompted to allow it to be run as an administrator. You must also have administrative privileges.

BoxWriter Pro version 3.16 may only be run in demo mode in Microsoft Vista. Running in non-demo mode will cause a “Please wait” box to be presented that will not go away as the system cannot properly find the Windows XP PHC driver.

When closing the program, a prompt may come up stating that the database needs to be compacted. As DAO cannot be installed, if “Yes” is selected, the program will error out.

