

USB-BDM

QUICKSTART GUIDE

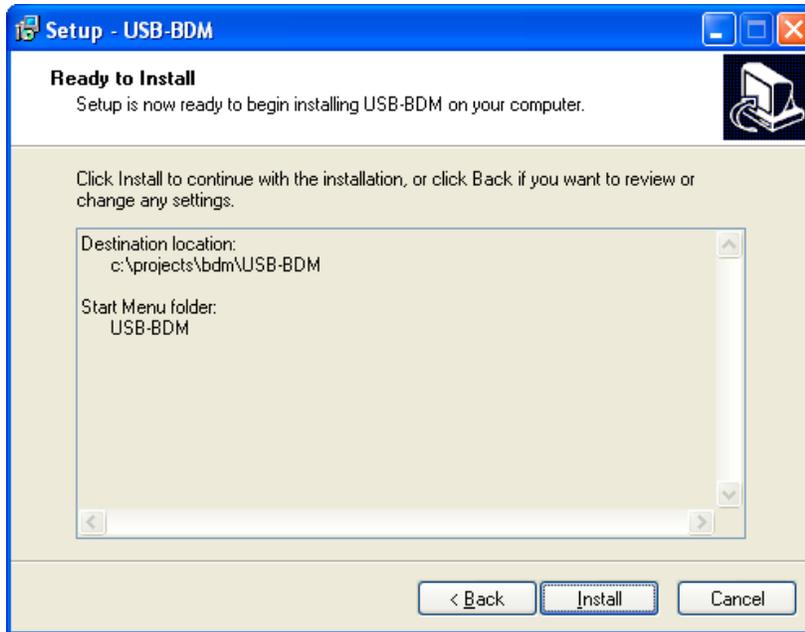
Introduction

This Quick Start Guide will help you get your USB-BDM installed properly and ready for use. This procedure is directed at the Windows XP operating system. Installation to other Windows operation systems (98/ME/NT/2000) will follow the same general steps with minor differences. Dialogue windows may also look different from those below. A Troubleshooting section at the end of this document will help you resolve the most common difficulties you may encounter.

Procedure

Software Setup

1. Insert the *USB-BDM CD* into your PC drive
2. Execute the file `USB-BDM-SETUP.exe` using Start | Run or Windows Explorer
3. At the Welcome Screen, click **Next** to continue
4. The Select Destination Location dialogue window opens. This window allows you to specify the destination directory for the software. The default directory is already filled-in or you can provide any directory you want. If the specified directory does not exist, the install routine will create it for you. If you are unsure of where you want to install the program, click the **Browse** button to select the destination directory.
5. Click **Next** to continue
6. The Select Start Menu Folder dialogue window opens. This window allows you to specify the name of the Start Menu item for the USB-BDM software. The default name is already filled-in or you can rename the Start Menu item.
7. Click **Next** to continue
8. Review your setting at the Ready to Install window



9. Click Install to continue. If you need to make changes, click Back to change your settings
10. Click Finish at the Completing the USB-BDM Setup Wizard window to complete the setup process.
11. The USB-BDM software and device drivers have been successfully installed on your computer.

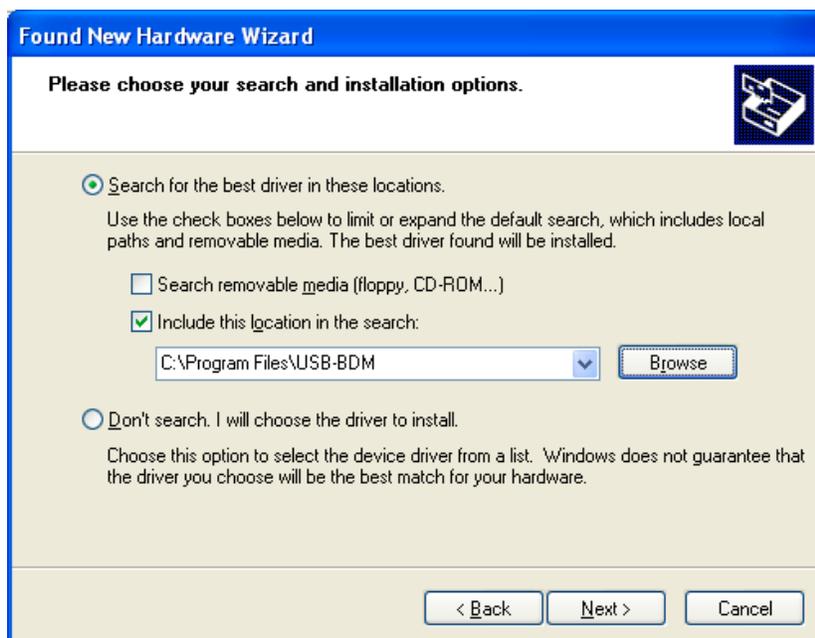
Device Driver Setup

1. The following procedure will help to install the USB-BDM Device Drivers on your PC. The procedure must be followed exactly to prevent errors.
2. Connect one end of the provided USB cable to an open USB port on your PC
3. Connect the other end of the USB cable to the USB-BDM

4. Windows opens the Found New Hardware Wizard



- 5. Click the Install from a list or specific location (Advanced) radial button.
- 6. Click Next to continue
- 7. Select the top radial button; Search for the best drivers in these locations. Select the check box next to Include this location in the search. Fill in the path where you just installed the USB-BDM software. You can use the Browse button to navigate to the directory also.

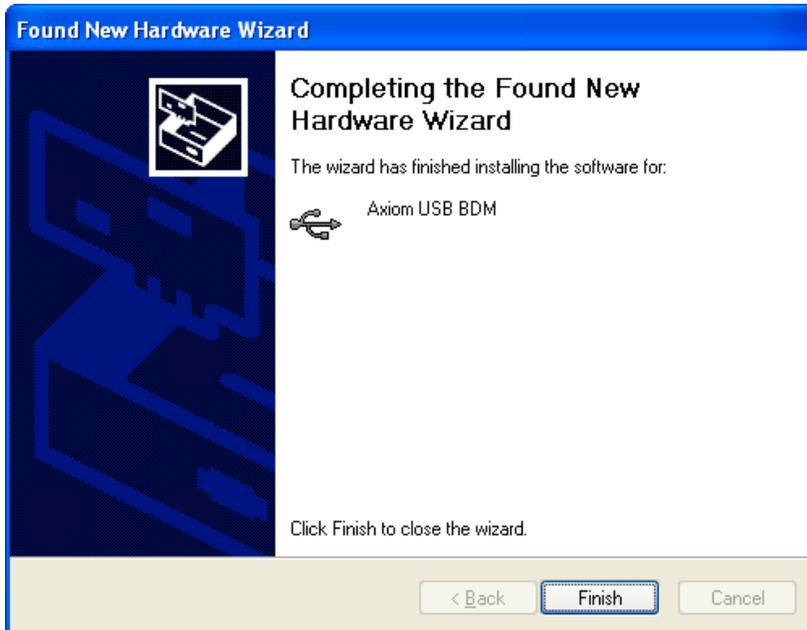


- 8. Click Next to continue
- 9. A Hardware Installation window appears



NOTE: The USB drivers used by the USB-BDM have not completed Windows Logo testing at this time. These drivers have been fully tested by the manufacturer and no interoperability issues have been found.

- 10. Click Continue Anyway to continue the installation
- 11. The Completing Found New Hardware Wizard appears

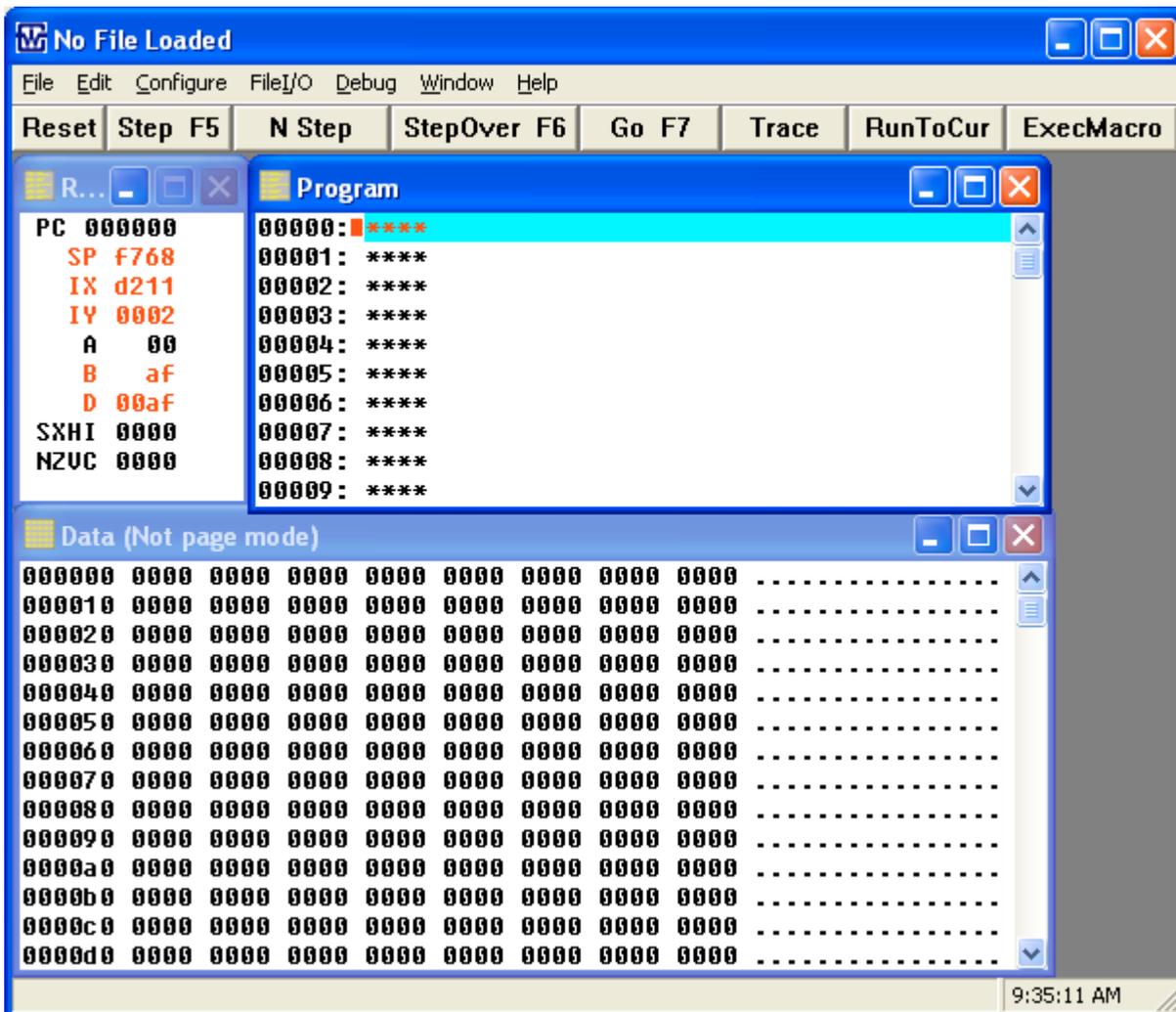


12. Click Finish to complete the installation process.

Your USB-BDM is now installed and ready for use.

Program

1. To use the USB-BDM simply connect the device to a HCS08 or HC(S)12 target board.
2. Apply power to the target board
3. Open the BDM program. Click Start | Programs | USB-BDM to open the USB-BDM Start Menu Folder. Click USB-BDM for HC08 for an HCS08 target board or USB-BDM for HC12 for an HC(S)12 target board.



4. The USB-BDM software program opens

The program is ready for use.

Troubleshooting

Unfortunately many variations in PC configuration, and Windows installation exist. A Quick Start Guide such as this can not hope to cover all possible configurations. The list below is a few of the problems which may be encountered during the install and setup. If the troubleshooting tips below fail to resolve any problem encountered, contact the Customer Support at www.axman.com for further assistance.

Device not powered Error Message

- This error message indicates the target MCU board is not powered or the USB-BDM is not connected to the target.
- Connect the USB-BDM or apply power to the target board as required



BDM not recognized by PC

- The USB drivers are not installed correctly. Use Add or Remove Programs (Start | Settings | Control Panel) to remove the FTDI FTD2XX USB Drivers then reinstall the USB-BDM program

Can not find device Error Message

- The EEPROM as become corrupted or has been erased. The product must be returned to the manufacturer for reprogramming

