


Updating Baldor ESB Firmware 2022

Manually downloading Workbench ESB

 Difficulty **Medium**

 Duration **10 minute(s)**

Contents

Introduction

Step 1 - Run Mint Workbench and connect to controller

Step 2 - Locate the msx file

Step 3 - Ensure an ESB folder exists

Step 4 - Install Mint System File

Step 5 - Download Firmware

Step 6 - Check Compiler Options

Step 7 - Download latest mnt file

Comments

Introduction

Since 2022 ABB have removed the simple link from workbench to allow firmware download. This makes it trickier to upgrade an ESB unit on a saw side of a flowline to allow CANopen communication. This is needed on a Windows update.

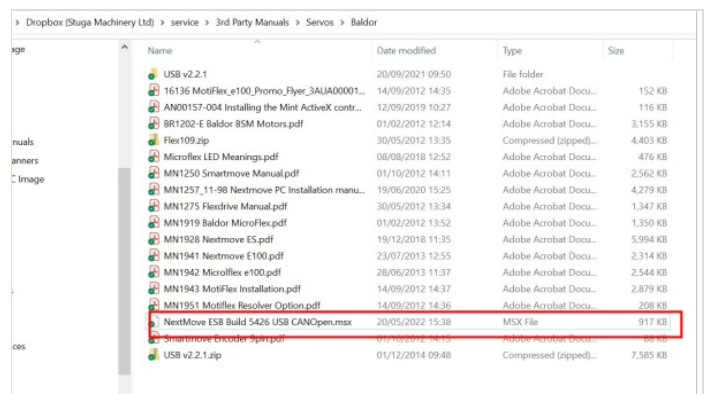
The procedure demonstrates where to find the firmware file and how to download to the ESB manually

Step 1 - Run Mint Workbench and connect to controller

Step 2 - Locate the msx file

Located in the dropbox folder

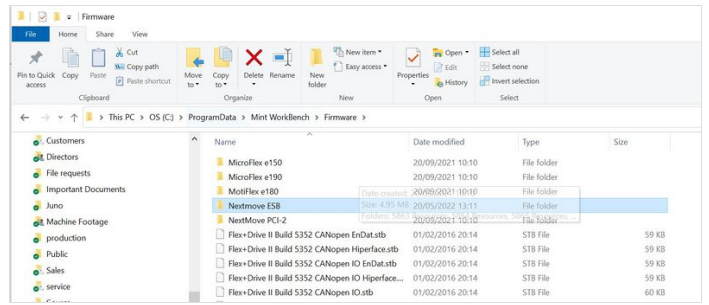
D:\Dropbox (Stuga Machinery Ltd)\service\3rd Party
Manuals\Servos\Baldor



Step 3 - Ensure an ESB folder exists

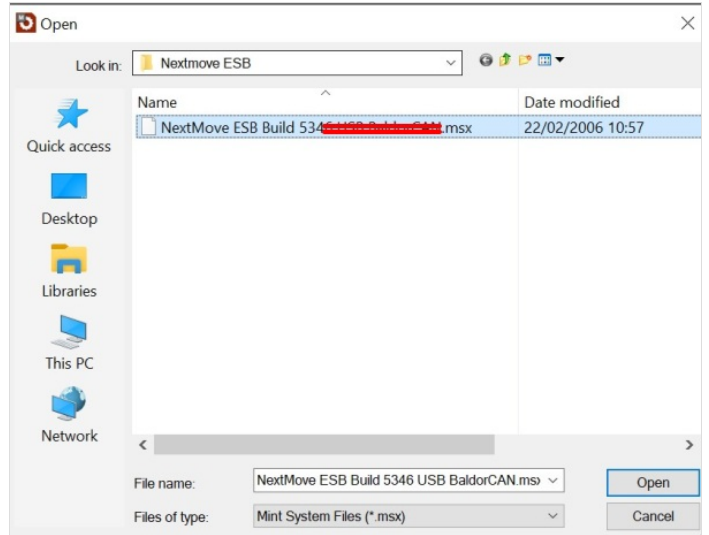
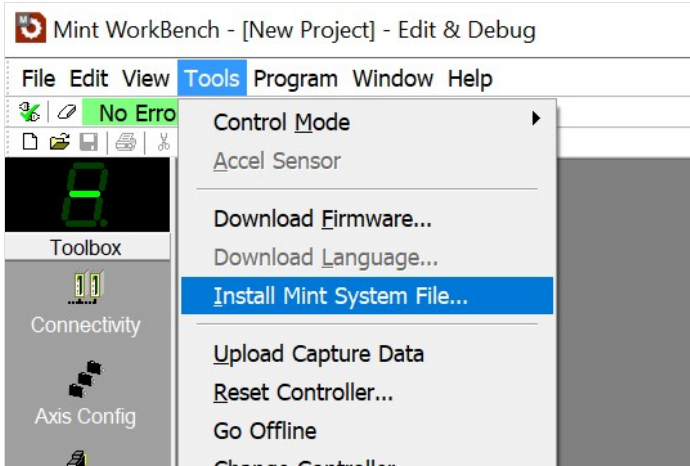
Create a folder called Nextmove ESB in C:\ProgramData\Mint WorkBench\Firmware

Copy the NextMove ESB Build 5426 USB CANOpen.msx file into it



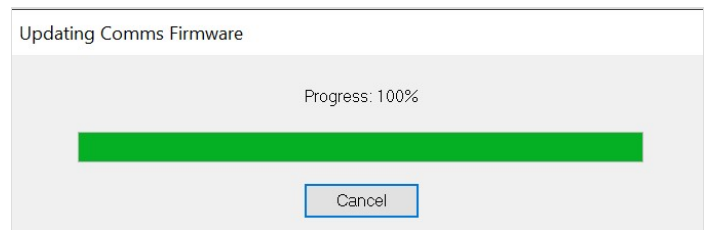
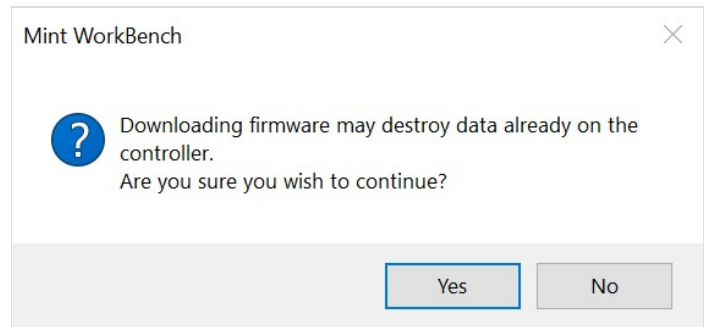
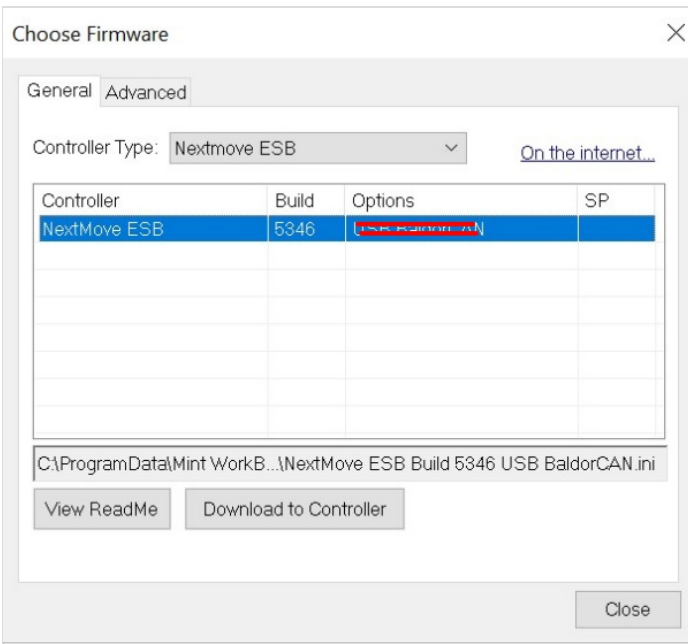
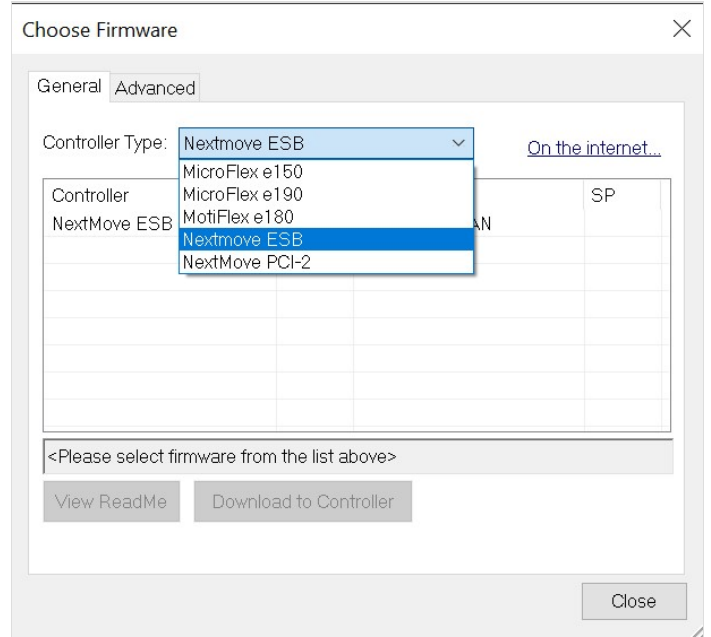
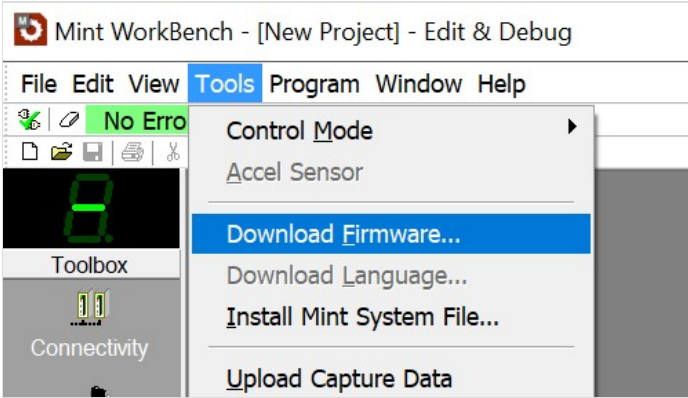
Step 4 - Install Mint System File

1. Select Tools->Install Mint System File
2. Navigate to NextMove ESB Build 5426 USB CANOpen.msx in the Nextmove ESB folder



Step 5 - Download Firmware

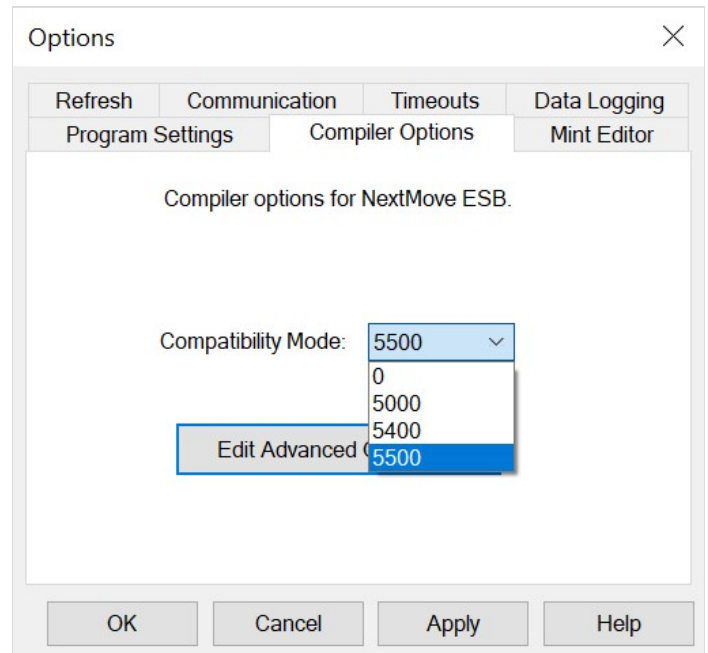
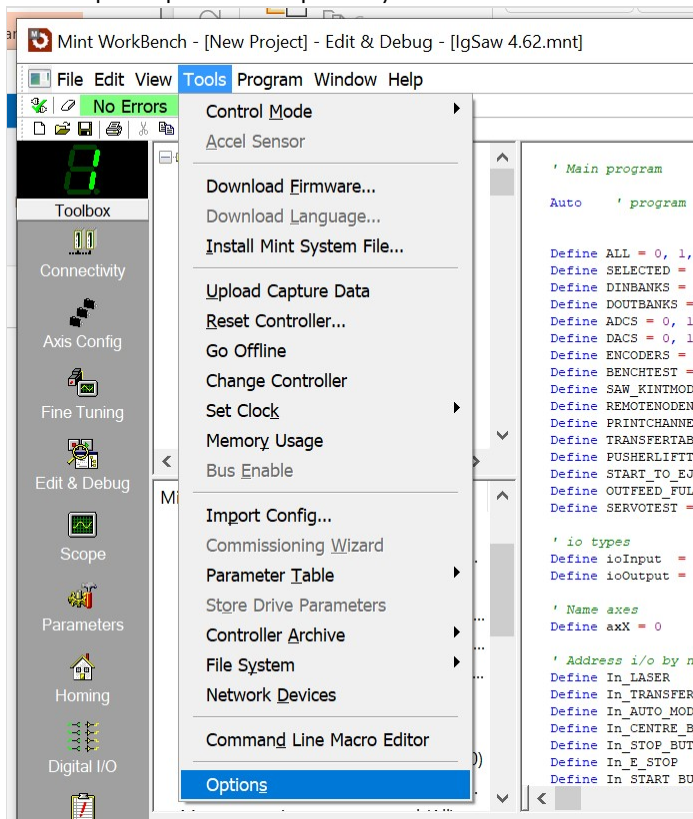
1. Select Tools->Download Firmware
2. Select Nextmove ESB and download the file
3. Select Yes at the warnings and wait for download to complete



Step 6 - Check Compiler Options

The compiler may not be set up for the correct version

1. Tools->Options
2. Compiler Options->Compatibility mode = 5500



Step 7 - Download latest mnt file

1. Open File IgSaw 4.62 (get a copy from g:\builds\Latest Software Versions\Saw.mnt)
2. Select Program->Compile, Download and Run

