# Updating Baldor ESB Firmware 2022

Manually downloading Workbench ESB

Difficulty Medium

Ouration 10 minute(s)

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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

e	^	Name	Date modified	Type	Size
		0 USB v2.2.1	20/09/2021 09:50	File folder	
		I6136 MotiFlex_e100_Promo_Flyer_3AUA00001	14/09/2012 14:35	Adobe Acrobat Docu	152 KB
nuals anners E Image		AN00157-004 Installing the Mint ActiveX contr	12/09/2019 10:27	Adobe Acrobat Docu	116 KB
		BR1202-E Baldor BSM Motors.pdf	01/02/2012 12:14	Adobe Acrobat Docu	3,155 KB
		Flex109.zip	30/05/2012 13:35	Compressed (zipped)	4,403 KB
		Microflex LED Meanings.pdf	08/08/2018 12:52	Adobe Acrobat Docu	476 KB
	- 11	MN1250 Smartmove Manual.pdf	01/10/2012 14:11	Adobe Acrobat Docu	2,562 KB
		MN1257_11-98 Nextmove PC Installation manu	19/06/2020 15:25	Adobe Acrobat Docu	4,279 KB
		MN1275 Flexdrive Manual.pdf	30/05/2012 13:34	Adobe Acrobat Docu	1,347 KB
		MN1919 Baldor MicroFlex.pdf	01/02/2012 13:52	Adobe Acrobat Docu	1,350 KB
		MN1928 Nextmove ES.pdf	19/12/2018 11:35	Adobe Acrobat Docu	5,994 KB
		AMN1941 Nextmove E100.pdf	23/07/2013 12:55	Adobe Acrobat Docu	2,314 KB
		MN1942 Microlflex e100.pdf	28/06/2013 11:37	Adobe Acrobat Docu	2,544 KB
		MN1943 MotiFlex Installation.pdf	14/09/2012 14:37	Adobe Acrobat Docu	2,879 KB
		MN1951 Motiflex Resolver Option.pdf	14/09/2012 14:36	Adobe Acrobat Docu	208 KB
		NextMove ESB Build 5426 USB CANOpen.msx	20/05/2022 15:38	MSX File	917 KB
		Smartmove Encoder Spin.pdf	01/10/2012 14:15	Adobe Acrobat Docu	88 KB
		USB v2.2.1.zip	01/12/2014 09:48	Compressed (zipped)	7,585 KB

### Step 3 - Ensure an ESB folder exists

 $\label{eq:create} Create \mbox{ a folder called Nextmove ESB in C:\ProgramData\Mint WorkBench\Firmware }$ 

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

🖏 Mint WorkBe	ench - [New Project] - Edit & Debug	🔁 Open				$\times$
File Edit View	Tools Program Window Help	Look in:	Nextmove Es	SB v Ø	1 🕫 🖬 🗸	
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A	Character Han	Network	<			>
			File name: Files of type:	Mint System Files (*.msx)	AN.ms) V	Open Cancel

# 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

File Edit View	Tools Program Window Help
36   2 No Erro □ 2 1 .   3   3   3	Control Mode
□.	Download <u>F</u> irmware
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Controller Type: N	extmove ESB	~	On the internet.
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NextMove ESB	5346		NACTION
C:\ProgramData\M	int WorkB\NextM	love ESB Build 53	46 USB BaldorCAN.ir
View ReadMe	Download to Co	ntroller	

### 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

5	Mint WorkBench	- [New Pro	ject] - Edit & Debug - [	IgSaw 4.
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Desktop	<ul> <li>IgSaw 4.08</li> <li>IgSaw 4.10</li> <li>IgSaw 4.59</li> <li>IgSaw 4.60</li> </ul>	3.mnt 0.mnt 9.mnt 0.mnt	26/11/2012 14:14 04/12/2012 12:22 20/03/2018 17:28 08/01/2019 15:01		
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