## **Programming Eaton DE Drive**

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Difficulty Easy

Ouration 10 minute(s)

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Comments

#### Step 1 - Plug programming lead and run DrivesConnect Software

Programming lead is kept at Stuga Software can be downloaded at http://www.drive-support-studio.com/OTS/Eaton/downloads/deploy/drivesConnect.htm Select Parameter Edit from the menu





#### Step 2 - Scan Network for Drive

Click on Scan Drive Network to find the drive you are plugged in to You may need to change the COM port to get this to work

	P-11	V-Boost
	P-12	Local ProcessData Source
	P-13	Last Fault
:	P-14	Password
Add Virtual Drive	1	
Scan Drive Network		
Real-Time Edit Mode		
Network Scan Limit: 8 💌		

le	Tools	Parameters Hel	p								Drive F	irmware:	V2.0
		Select Communicat	tion Device			DX-COM-STICK / DX-C	OM-STICK2 +	1000			Diffe	annivere.	160
11		Language Selection	1		~	USB-485 Adapter	,	COM	4				
P	-10	Parameter Editor				DX-COM-STICK3 (BLE)	•	COM	5				
-	10	Drive Control/Mon	itor		ion		Value	<ul> <li>СОМ</li> </ul>	6	Range	Default	Visible	
P	1	Scope/Data Logger	e/Data Logger				50.0 Hz			0.0 250.0 Hz	50.0 Hz		
01	-8	Function Block Editor					0.0 Hz			0.0 50.0 Hz	0.0 Hz		
		Upgrade Drive Firm	ade Drive Firmware				5.0 s	ls .		0.00 600 s	5.0 s		
		Check for Updates on Startup				5.0 s			0.00 600 s	5.0 s			
		Check for Updates	_		de		1: Coast to	Stop		1	1: Coast to Stop		
			P-06	Energy	Optin	nizer	0: OFF				0: OFF		
			P-07	Motor	Nom	Voltage	230 V		_	0, 20 250 V	230 V		
			P-08	Motor	Nom	Current	2.3 A			0.5 2.3 A	2.3 A		
		P-09 Motor P-10 Motor			Nom	Frequency	50 Hz			10 500 Hz	50 Hz	2	
					Nom	Speed	0 rpm			0, 100 3000 rp	0 rpm		
			P-11 V-Boos				3.0 %			0.0 25.0 %	3.0 %		
			P-12	Local P	roces	sData Source	0: Termina	I Control			0: Terminal Control		
			P-13	-13 Applicat		Vode Macro	0: Industri	Industrial Mode			0: Industrial Mode		
			P-14 Passwor		rd		0			0 65535	0	2	
	Add	Virtual Drive											
	Scan Real-T	Unive Network											
	rocol+1	ine con mode											
et	twork 5	can Limit: 8 *											

#### Step 3 - Set Parameters

- Set Accel (1) and Decel (2) according to which crank you are programming. Details of which can be found here
- Unlock Extended Parameters Set P14 (3) to 101. This creates the "Extended" tab on the top



### Step 4 - Set Config Mode

Click on the Extended tab Set the P15 Config Mode to 2, which means [Fwd][Rev][Freqbit1] [FreqBit2]

#### Step 5 - Set Frequency References

Set these references P-20 to P-23 to 50Hz so it will not matter what input 3 or 4 is set to - it will always be 50Hz

PNU	Description	Value	R
P-15	DI Config Select	2: [FWD] [REV] [Select f-Fix Bit0] [	-
P-16	Al1 Signal Range	0: 010V	•
P-17	Al1 Gain	1.000	0

P-19	DI3 Logic	0: High = OK, Low = Fault	-
P-20	f-Fix1	50.0 Hz	
P-21	f-Fix2	50.0 Hz	
P-22	f-Fix3	50.0 Hz	
P-23	f-Fix4	50.0 Hz	

# Step 6 - Transfer Current Data Set to Drive

Press the button in the top toolbar with a picture of the drive and a red arrow

