Programming Instructions for DS2

- 1. Print the Calibration Report (CALTKT) from the Delivery Menu This will print ALL settings in the Ecount
- 2. Print a Delivery Ticket This way we know the ticket format
- **3. Extract the Ecount Firmware Version File to a folder on your computer** A. The HEX file is the Ecount Firmware (In Intel HEX Format)
- 4. Install Flash Utility Program
 - A. Download and Install the Flash Utility from www.midcomcorp.com
- 5. Unscrew the "Program" screw on the front of the Ecount

6. Program the Ecount with the new Firmware Version

A. Connect the Ecount Programming Harness from the Serial Port on the PC to the programming Port on the Ecount





- B. Open the Flash Utility
- C. Select the correct Com Port and Click "Connect"
 - If everything is good, Connected will display on the bottom of the window

📥 Flash U	Itility	0		×
File Se	ttings Help			
Port :	COM1	~	Disconne	ct
File :			Browse	6
Verif	y After Write		Rash	
Sync Date And Time		Exit		
	Connec	cted		

D. Click "Browse" and browse to the folder where you extracted the Firmware Version file to

Look in: E300E	A	v G 👌 😢 🗔 -	
Name	^	Date modified	Type
Quick access	A.hex	3/4/2022 10:51 AM	HEX
Desktop			
Libraries			
This PC			,
This PC	E300EA.hex	~	> Open

- E. Select file you want to load and Click "Open"
- F. If you want to Verify after Writing, select that box. If you want to Sync the Time and Date, Select that box.

File Se	ttings Help		
Port :	COM1	Ŷ	Disconnect
File :	P:\EC\E300EA\E300EA\E300I		Browse
🗌 Verif	y After Write		Flash
Sync Date And Time			Exit

G. When you are ready, Click "Flash" It will Display Writing Flash until it's complete and will then say Flash Complete

🖕 Flash Utility		🗧 📥 Flash Utility	– 🗆 X
File Settings Help		File Settings Help	
Port : COM1	V Disconnec	Port : COM1	V
File : P:\EC\E300EA\E300	Browse	File : P:\EC\E300EA\E	300EA\E300I Browse
🗹 Verify After Write	Flaish	Verify After Write	Flash
Sync Date And Time	Exit	Sync Date And Time	Exit
Writing Flash		Flash (Complete

7. After the update is finished, screw the "Program" screw back in

- A. The Ecount should reset (It may be necessary to reset several times)
- B. Cycle power to the Ecount each time you are prompted to do so

8. Reload the Ecount Settings

A. Print a Calibration Report (CALTKT) and compare it to the previous ticket and change any settings that need to be changed.