EXTERNAL TECHNICAL NOTE

Product Family: <u>1747 SLC 500</u>

Specific Catalog Numbers affected: <u>1747-UIC</u>, Series A, Revisions C & D

Firmware Revision: FRN 1.3

Issue: Firmware Revision 1.3 for the 1747-UIC module does not support multiple DH485 communication baud rates. The revision only supports 19200 baud rate.

Impact: Affected modules require software installation and driver updates.

Resolution:

Use the Gateway Setup Software utility to upgrade the 1747-UIC firmware to support both 9600 and 19200 baud rates.

I. Software Setup

To install the Gateway Setup Software, perform these steps: Note: Do not run both RSLinx and the Gateway utility at the same time. Close one application or the other.

1. Double-click the Setup.exe file. The InstallShield Wizard launches.

2. Click Next. The Gateway Setup Software launches.

3. Click Next, enter the User Name and Company Name, and then click Next.

4. On the Choose Destination Location dialog box, select the location where you would like to install Gateway files, and then click Next.

ateway Setup	
hoose Destination Location Select folder where Setup will inst	all files.
Setup will install Gateway in the fo	llowing folder.
To install to this folder, click Next. another folder.	To install to a different folder, click Browse and select
Destination Folder	
	Presses
C:\Program Files\	blowse
C:\Program Files\	
C:\Program Files\ tallShield	<pre></pre>

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5. On the Product Selection dialog box, select both the 1747-UIC-9600 and the 1747-UIC-19200.

iateway Setup	δ
Product Selection	No.
Please select the products you want to inst 1747-UIC-9600 1747-UIC-19200	tall. Description Please select this component if you wish to work with USB to DH485 Gateway
Space Required on C: Space Available on C: stallShield	44656 K 7208496 K
	<back next=""> Cancel</back>

6. Click Next for the software installation to complete.

II. DH485 Driver Update

To update the Allen Bradley DH485 drivers perform these steps:

a) 9600 baudrate

1. Connect the 1747-UIC module to the USB port of your computer.

NOTE: If you are running RSLinx with your 1747-UIC module connected to your computer, you first need to close the RSLinx application and then power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.

2. Launch the Gateway 3.12 application.

3. Under Product Selection, select 1747-UIC-9600. The following dialog appears.



4. Click Open Project. The Open Project dialog appears.

Open			? 🛛
Look in: C	9600.prj	S 🔊 🛛	₽
	1-2-12-11-0-0000		
File name:	1747-01C-9600.ptj		Upen
Files of type:	Project Files (*.prj)	*	Cancel

5. Open the 1747-UIC-9600.prj project provided with the utility. The project dialog appears.

ck No.	# Words/	Source PLC	Source	Source Address	Destination PLC	Destinatio	Destination Addr	Repea	Comment
	01	Allen Bradley D	1	N007:000	Allen Bradley D	1	N007:000	1	
14						101			

6. Click Download. The Download dialog appears.

Download Options		IBM Com port setting
Firmware Fi	Select All	Сома
Project	Deselect All	Upload Project
Downlo	ad	Exit
Downloading Lasks		
Status		
Status		
Status File Name		

7. Select PLC2 Driver.

8. Under IBM Com port setting, select COM9 port.

This port should be the one recognized by Device Manager when you connected the 1747-UIC module to a USB port on your computer.

9. Click Download.

10. Once the download is complete, click YES to restart the hardware.

The Allen Bradley DH485 driver is now updated for 9600 baudrate.

11. Power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.

b) 19200 baudrate

1. Connect the 1747-UIC module to the USB port of your computer.

NOTE: If you are running RSLinx with your 1747-UIC module connected to your computer, you first need to close the RSLinx application and then power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.

2. Launch the Gateway 3.12 application.

3. Under Product Selection, select 1747-UIC-19200. The following dialog appears.



4. Click Open Project. The Open Project dialog appears.

Open				? 🛛
Look in: ն	Projects	~ (3 🦻	€ 🛄 🔁
் 1747-UIC-	19200.prj			
File name:	project			Open
Files of type:	Project Files (*.prj)		~	Cancel

5. Open the 1747-UIC-19200.prj project provided with the utility. The project dialog appears.

k No.	# Words/	Source PLC	Source	Source Address	Destination PLC	Destinatio	Destination Addr	Repea	Comment
	01	Allen Bradley D	1	N007:000	Allen Bradley D	1	N007:000	1	

6. Click Download. The Download dialog appears.

Download Options		FIBM Com port setting
firmware Firmware PLC1 Driver PLC2 Driver	Select All	Сомя
Project	Deselect All	Upload Project
Downloa	ed be	Exit
Downloading Tasks —		
Downloading Tasks		
Downloading Tasks Status		
Downloading Tasks Status		
Downloading Tasks Status File Name		

7. Select PLC2 Driver.

8. Under IBM Com port setting, select COM9 port.

This port should be the one recognized by Device Manager when you connected the 1747-UIC module to a USB port on your computer.

9. Click Download.

10. Once the download is complete, click YES to restart the hardware.

The Allen Bradley DH485 driver is now updated for 19200 baudrate.

11. Power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.