

## EXTERNAL TECHNICAL NOTE

**Product Family:** 1747 SLC 500

**Specific Catalog Numbers affected:** 1747-UIC, 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:**

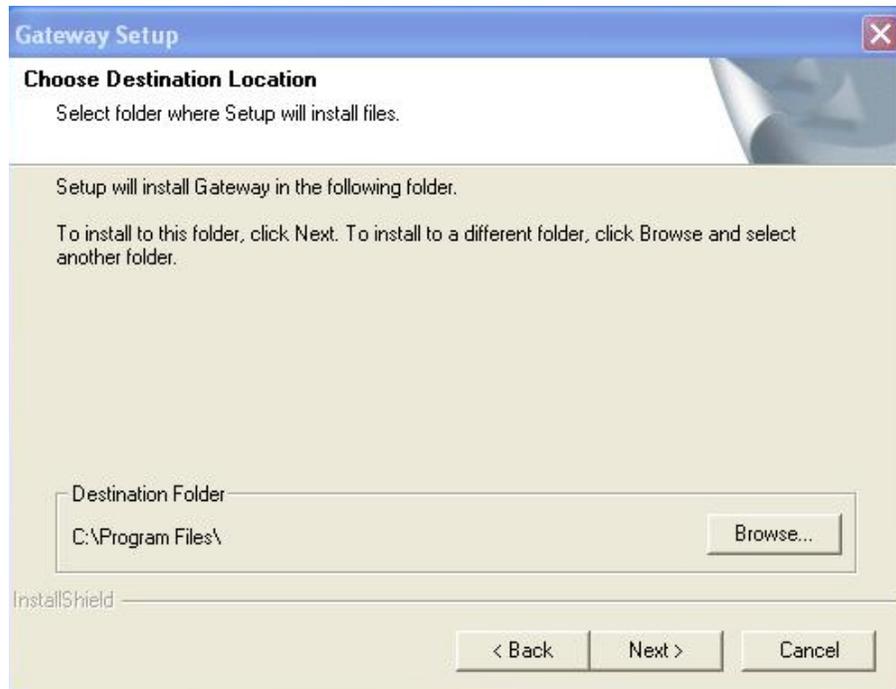
Use the Gateway Setup Software utility to upgrade the 1747-UIC firmware to support both 9600 and 19200 baud rates.

### **I. Software Setup**

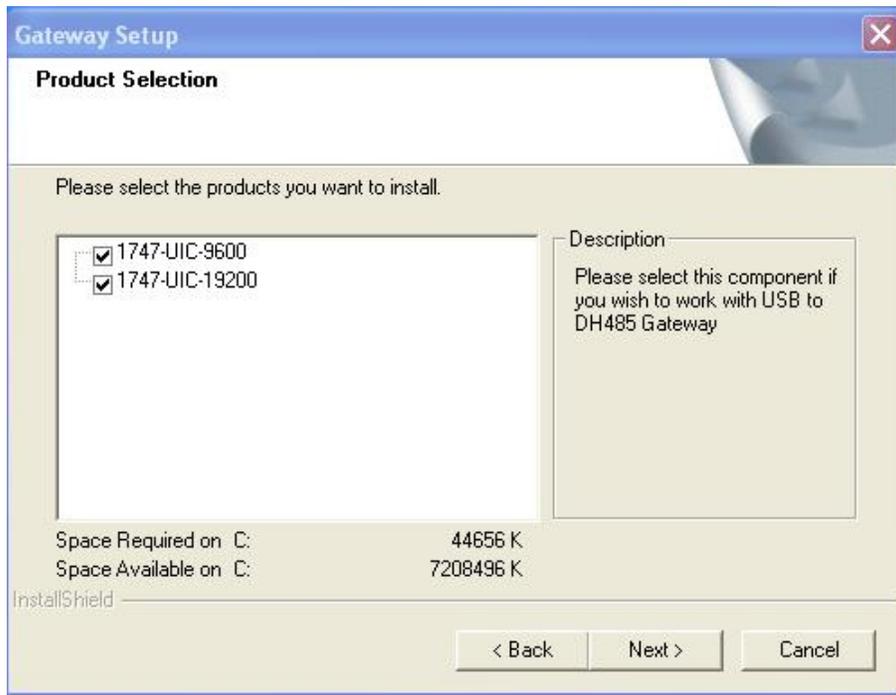
To install the Gateway Setup Software, perform these steps:

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.



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



6. Click Next for the software installation to complete.

## **II. DH485 Driver Update**

To update the Allen Bradley DH485 drivers perform these steps:

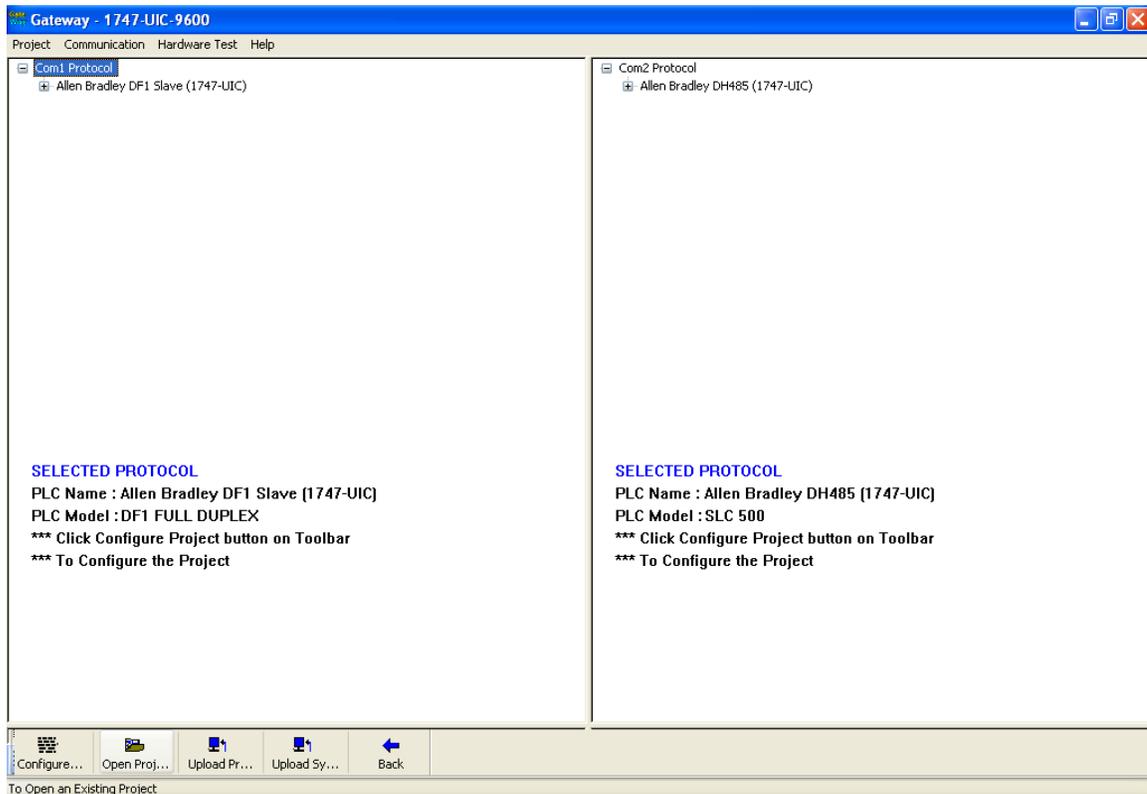
### **a) 9600 baudrate**

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

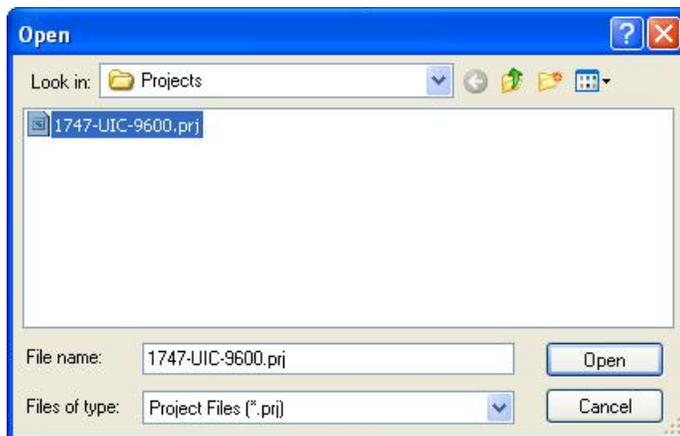
NOTE: If you are running RSLinx with your 1747-UIC module connected to your computer, you first need to close the RSLinx application and then power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.

2. Launch the Gateway 3.12 application.

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

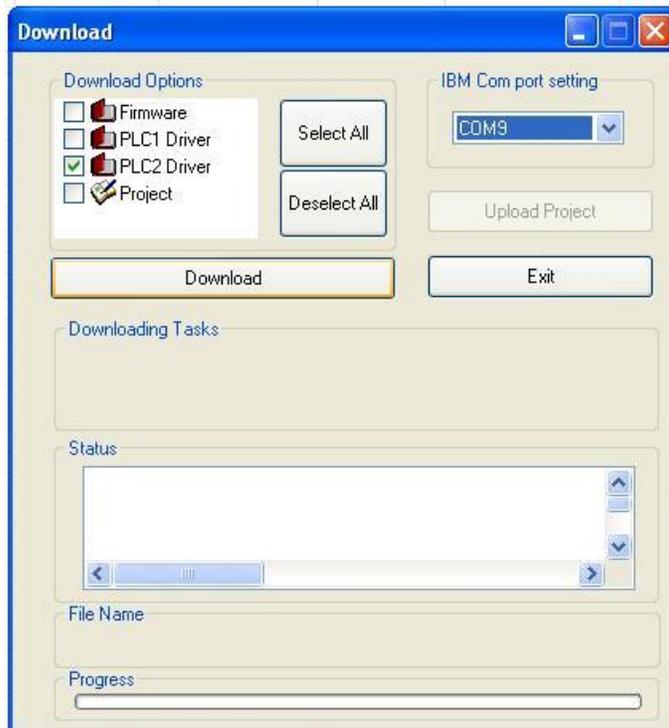


4. Click Open Project. The Open Project dialog appears.





6. Click Download. The Download dialog appears.



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.

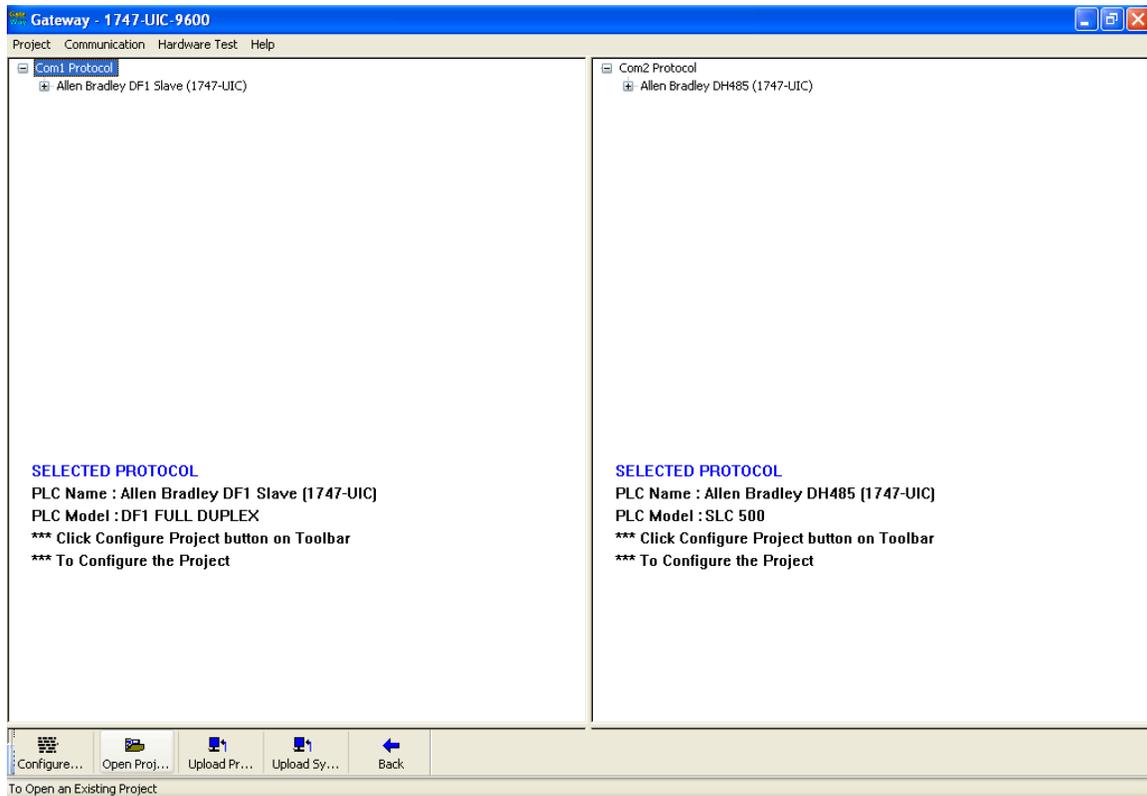
### **b) 19200 baudrate**

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

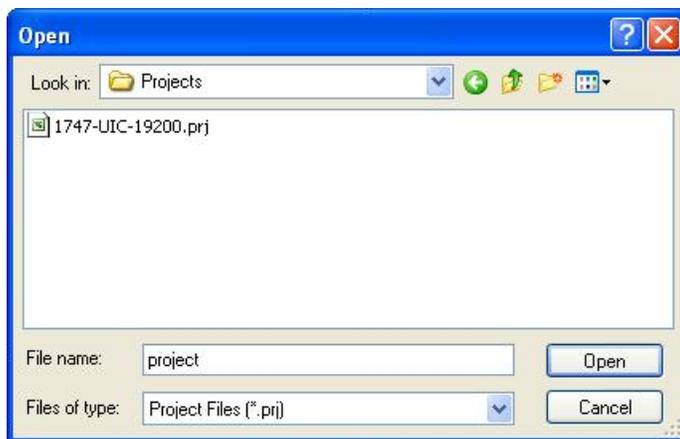
NOTE: If you are running RSLinx with your 1747-UIC module connected to your computer, you first need to close the RSLinx application and then power cycle the 1747-UIC module by disconnecting it from and reconnecting it to the USB port.

2. Launch the Gateway 3.12 application.

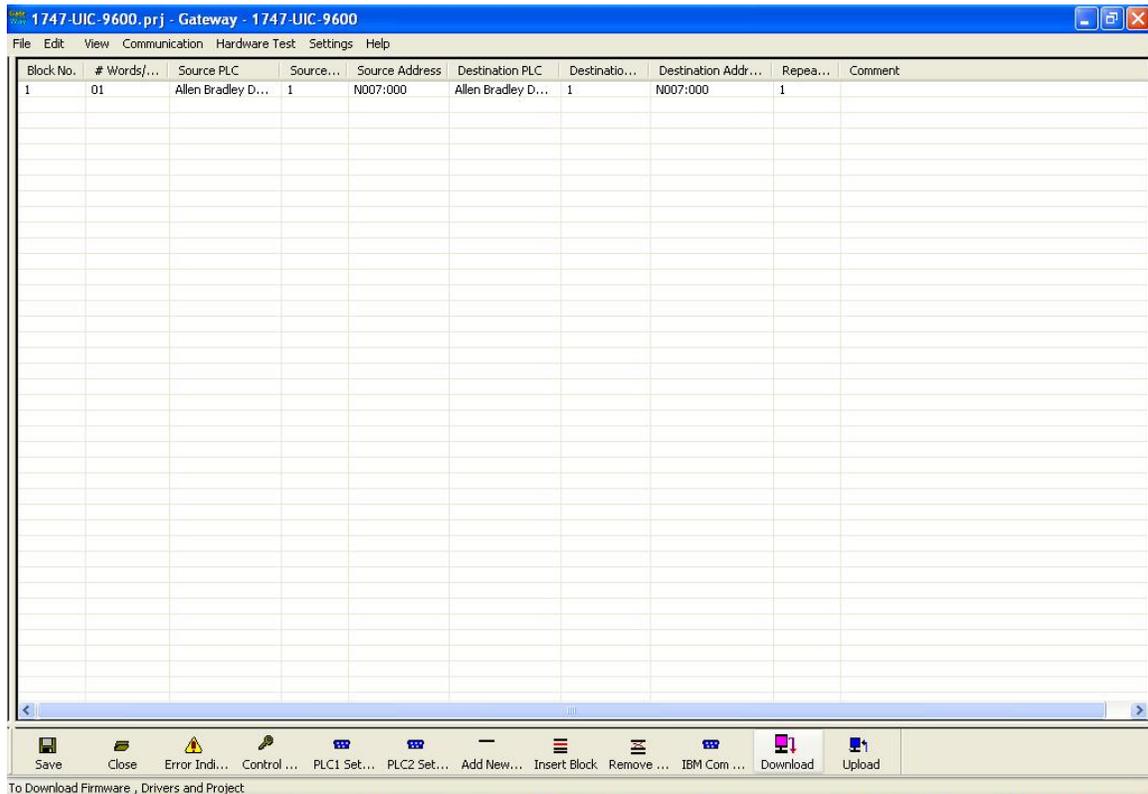
3. Under Product Selection, select 1747-UIC-19200. The following dialog appears.



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



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



6. Click Download. The Download dialog appears.



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.