Updating the PIR-1 Firmware

When connecting a **PIR-1** to URC Accelerator or Complete Control Program software, it requires a Firmware Update, however, when the steps are followed, the update fails every time.

The following article details the process to **update the firmware** of the **PIR-1** Professional IR learner.
Note: This article details a Windows 10 OS installation
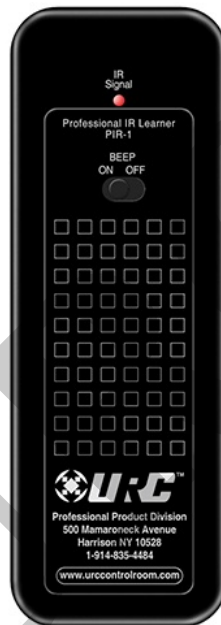
Updating the PIR-1 Firmware

Symptom: When connecting a PIR-1 to URC Accelerator or Complete Control Program software, it requires a Firmware Update, however, when the steps are followed, the update fails every time.

Reason: The chipset within the PIR-1 needs to be updated to work with the latest version of URC software.

Solution:

Here are the steps to resolving this issue:

1. Go to **FDTI** (chip manufacturer) website: **www.FTDIchip.com**

2. In the left-hand column select **DRIVERS**

    a. In the **DRIVER** section, select **D2XX Drivers**

3. In the software chart, find the **Windows** section

    a. Select either **X86 (32-Bit)** or **X64 (64-Bit)** based on your PC processor type
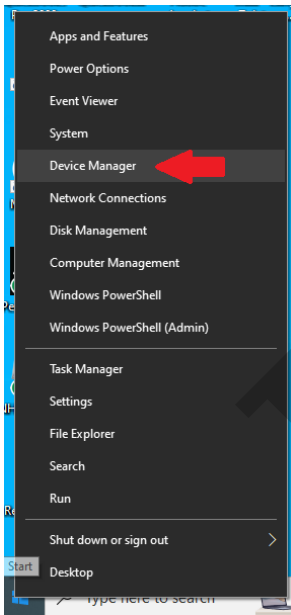
Currently Supported D2XX Drivers:

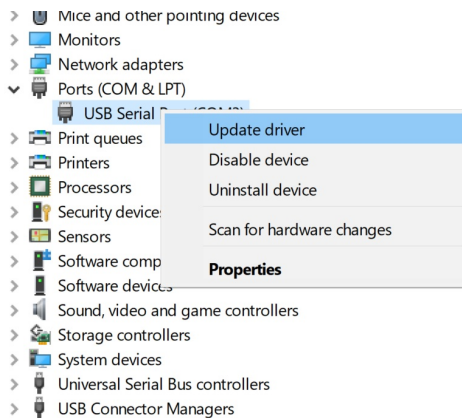| Operating System	Release Date	X86 (32-Bit)	X64 (64-Bit)	ARM	MIPS	SH4	Comments
				Processor Architecture			
Windows (Desktop)*	2021-07-15	2.12.36.4	2.12.36.4	2.12.36.4A*****	–	–	WHQL Certified. Includes VCP and D2XX. Available as a setup executable Please see the Release Notes and Installation Guides.
Windows (Universal)****	2021-11-12	2.12.36.4U	2.12.36.4U	–	–	–	WHQL Certified. Includes VCP and D2XX.
Windows RT	2014-07-04	1.0.2	–	1.0.2	–	–	A guide to support the driver (AN_271) is available here

4. **UnZip** downloaded file to a designated location/folder

5. Go to **Windows Device Manager on your PC**

Apps and Features
Power Options
Event Viewer
System
Device Manager
Network Connections
Disk Management
Computer Management
Windows PowerShell
Windows PowerShell (Admin)

Task Manager
Settings
File Explorer
Search
Run

Shut down or sign out
Desktop

Start

    a. Select the **COM Port (Ports)** section

    b. Right-click on **USB Serial Port**

    > Mice and other pointing devices
    > Monitors
    > Network adapters
    ∨ Ports (COM & LPT)
        USB Serial Port (COM3)
    > Print queues
    > Printers
    > Processors
    > Security devices
    > Sensors
    > Software components
    > Software devices
    > Sound, video and game controllers
    > Storage controllers
    > System devices
    > Universal Serial Bus controllers
    > USB Connector Managers

Update driver
Disable device
Uninstall device

Scan for hardware changes

Properties
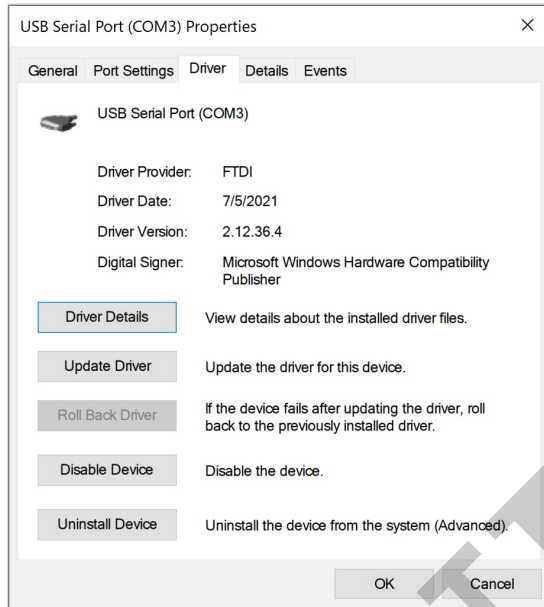
c. Select **Update Driver** for USB Serial Adaptor

d. Select **BROWSE** for **FOLDER** and direct Device Manager to the previously designated folder for the file. Install the new driver.

e. Verify that the correct driver is now installed:

6. Open URC software and try the PIR-1**Firmware Update** again

Thanks to Hopeton A. Barnett in URC Tech support for this tip.

Additional Information & Resources:

To learn more about Accelerator 3 configuration and programming, please see the Accelerator 3 online **Programming Guide**.