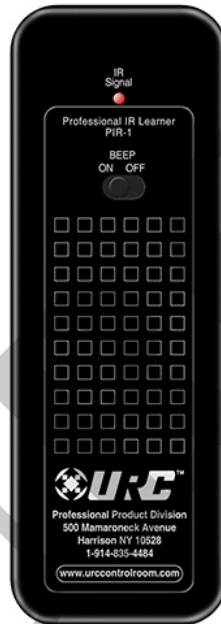# Updating the PIR-1 Firmware

Last Modified on 08/09/2023 6:24 pm EDT

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
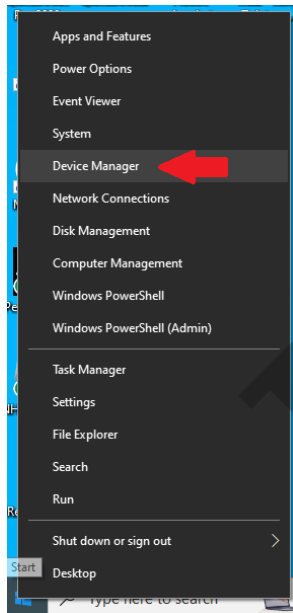
   Currently Supported D2XX Drivers:

   Subscribe to Our Driver Updates

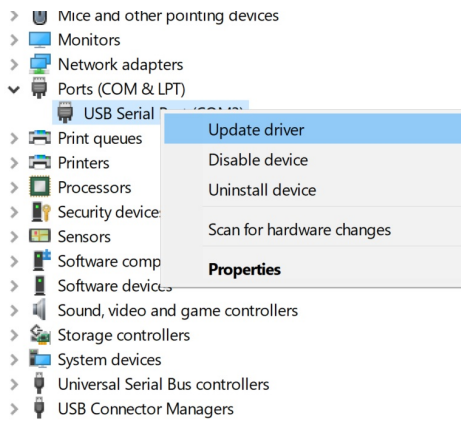 | Operating System | Release Date | X86 (32-Bit) | X64 (64-Bit) | ARM | MIPS | SH4 | Comments |
   |---|---|---|---|---|---|---|---|
   | | | | | **Processor Architecture** | | | |
   | Windows (Desktop)* | 2021-07-15 | 2.12.36.4 | 2.12.36.4 | 2.12.36.4A***** | – | – | WHQL Certified. Includes VCP and 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**
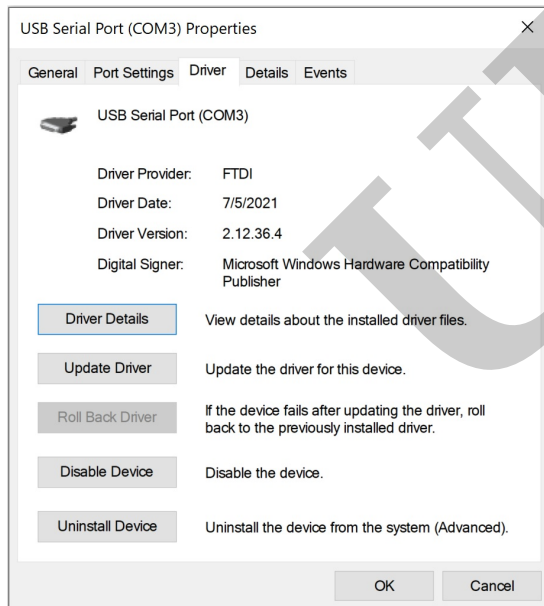

   a. Select the **COM Port (Ports)** section

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

> Mice and other pointing devices
> Monitors
> Network adapters
∨ Ports (COM & LPT)
    USB Serial Port (COM3)

| Update driver |
| Disable device |
| Uninstall device |
| Scan for hardware changes |
| **Properties** |

> 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

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:

USB Serial Port (COM3) Properties

General | Port Settings | Driver | Details | Events

USB Serial Port (COM3)

Driver Provider: FTDI
Driver Date: 7/5/2021
Driver Version: 2.12.36.4
Digital Signer: Microsoft Windows Hardware Compatibility
                    Publisher

Driver Details   View details about the installed driver files.

Update Driver   Update the driver for this device.

Roll Back Driver   If the device fails after updating the driver, roll
                    back to the previously installed driver.

Disable Device   Disable the device.

Uninstall Device   Uninstall the device from the system (Advanced).

OK   Cancel

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

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

Additional Information & Resources:

To learn more about HDA products and programming, please see the HDA Programmers Guide or the Accelerator 3 online **Programming Guide**.