

ADR 1000/2000/3000

How to Use the ADR Firmware Upload Tool

This tech note describes how to install firmware updates on the Oriux ADR1000/2000/3000 models.

Materials Required

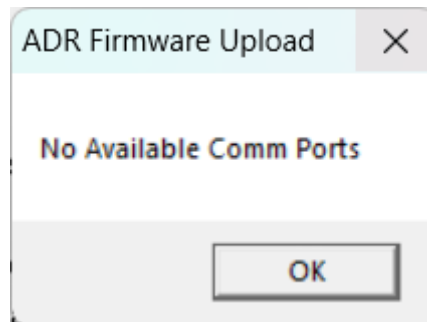
This procedure requires the following:

- ADR 1000/2000/3000 Unit
- Computer with ADRFWUpload Tool installed
- CPC to Serial Communications Cable (Provided by ORIUX)
- Serial To USB Converter
- ADR FW File in HEX Format placed in easily accessible folder on computer


NOTE: For ADR 1000s, Contact Product Support for the Hex File. For ADR 2000/3000s, the latest Hex file can be downloaded at licensing.oriux.com.

Update the Firmware on an ADR1000/2000/3000

1. Connect the ADR1000/2000/3000 Unit to the computer using the CPC-to-Serial comms cable and the Serial-to-USB converter.
2. Start the **ADRFWUpload Tool**. If the ADR unit is not connected or if the program is unable to detect the device, it will display the message below:

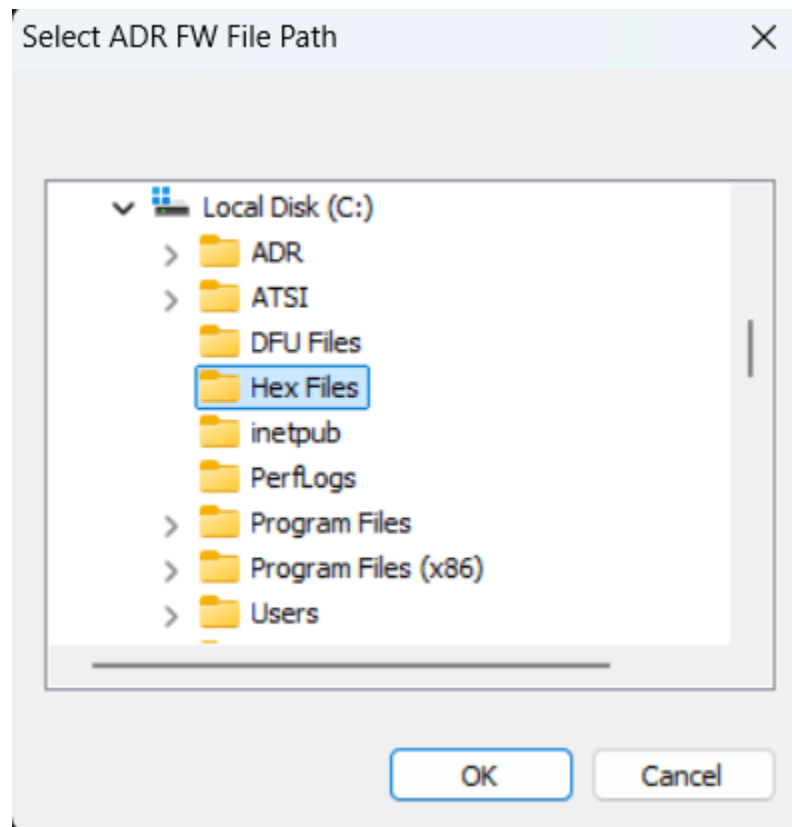


3. If the program successfully connects to the unit, the main page of the program appears as shown below:

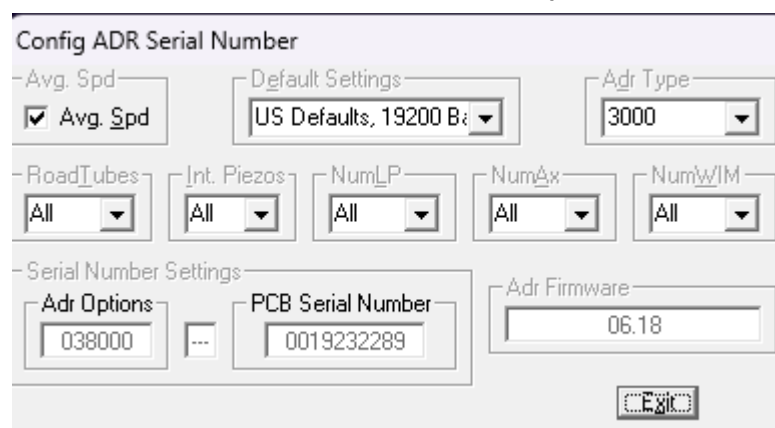


4. Configure the Comm Port, Baud Rate and Connection Type for the unit that will be receiving the firmware update.
5. Click the "**Browse**" button under the Logo in the section that says "**FW File Selection.**"

6. Navigate through the directory to the firmware file to be loaded on to the ADR unit. If there are multiple files, the drop-down menu can be used to switch between the recognized files.



7. Click on the "**CmdQ**" button. A second window appears if the unit is able to communicate through the selected connection. See the example below of a successful connection to an ADR3000 unit (the "**ReadFW**" and "**ReadSN**" buttons also lead to this window):





8. Click on the "**UploadFW**" button and a dialogue window will ask "**New Upload?**" Click "**Yes.**"
9. Monitor the 3 fields in the "**Comms Status**" section. This indicates the program is writing the new firmware to the ADR unit. The process can take a few minutes to complete. If for any reason the process needs to be terminated early, click the "**AbortFU**" button. The unit will return to its original state after a power reset.
10. Upon successful upload, the "**RcvData**" field will display the message "**FW UPLOADED OK.**"
11. Restart the unit. After rebooting, the unit should now display the uploaded firmware version number under **Check>Check Equipment**.

Additional Guidance

Additional Documentation

These documents provide related information.

Document	Part Number
ADR Plus Operating Manual	99-133 Rev. 9

Product Support

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