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Goal

This bundle packages the java classes and shared libraries (.so, .dll) of the [RXTX project](#). The RXTX project enables to send and to receive data to/from serial or parallel devices (RFID readers, smartcards readers, modems, gsm, nmea0183 gps, onewire adapter, bluetooth serial port, PIC/AVR boards like Arduino ...).

The artifact is org.ow2.aspirefid:rxtx

- [rxtx](#)
- [rxtx.cmd](#)
- [rxtx-2.2-pre](#) (optional)

RXTX Command

This command for the Felix shell enables to send and to receive data to/from serial or parallel devices for:

- debugging programs using gnu.io
- dumping serial port (raw or formatted) output (GPS, RFID reader, ...)

The options are:

```
rxtx list : list the available ports
rxtx open <portname> <baudrate> <flowctrlin> <flowctrlout>
<databits> <stopbits> <parity> flowctrl=None,Xon/XoffOut,Xon/XoffIn,RTS/CTSIn,RTS/CTSOut
databits=5,6,7,8 stopbits=1,1.5,2 parity=None,Odd,Even : open a serial port
rxtx close : close the current opened port
rxtx send <bytes in hexa> : send message bytes
rxtx binary : switch IO in hex
rxtx ascii : switch IO in ascii
rxtx buffersize <size> : set IO buffer size
rxtx sendurl <url> : send bytes contained at the url
rxtx logfile <filepath> : log received bytes in the file
rxtx iowrapper <classname> : set a wrapper for IO parsing and printing. The class could be
exported by a external bundle
rxtx help : display this help
```

The option iowrapper loads a java class implementing the interface [IOWrapper](#) in order

- to encode the messages sent to the port
- to format the message received from the port

[Examples](#)

Sample usage

RXTX 2.2-pre

A pre-release if 2.2 version is available at : [RXTX Download page](#). It seems to correct some incapacitating bugs on Linux 2.6 kernels. Build the bundle

1. Download the latest RXTX 2.2 binary version : [RXTX Download page](#).
2. Extract all Windows, Linux and Mac OS files and place them according to the existing folder structure in the bundle ./src/main/resources folder.
3. An extra file may be needed for the i386 version : rxtxParallel.dll. It can be found in the latest RXTX 2.1 binary release.

Aspire Wiki - ObjectWeb - RXTX

4. Build and install with Maven.

[Aspire :: OSGi Bundles :: RXTX](#) (en)

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