

NOTES:

1. There have been some questions about the order that you invoke the serial methods. You MUST open the port before you invoke any serial methods or you will receive PORTNOTOPEN errors. This is because we actually query the port for those settings.

Example: HELLO SERIAL WORLD

```
#import "Serial.h"
```

```
id serialPort; //the serial object
int ok; //int to hold error messages
```

```
- someMethod
```

```
{
    serialPort = [[Serial alloc] init]; // Does NOT open a port

    ok = [serialPort openRAW:"/dev/cua" baudrate:B9600];

    if( ok != SERIALOK)
    {
        //find out whats wrong here
    }
}
```

```
}  
  
    ok = [serialPort writeString:"HELLO SERIAL WORLD\r\n"];  
    ok = [serialPort closePort];  
    return self;  
}
```

1.4 to 1.5

Fixed SEC. It was defined as 100,000 instead of 1,000,000. This affected the waitForInput method and timeouts on readString and readBlock.

Added setTimeout and timeout methods. This allows the users to change the default timeout of 1 Second and to ask the Serial object what it's current timeout is.

1.5 to 1.6

Added ttyptr method to allow the easy addition of user written low-level methods.

Made the routines "Thread Safe" on writes by adding mutex locking around the write and switching from alarm functions to select() for port timeouts.

1.6 to 1.7

A bug was found in readBlock: for: and readBlock: for: term:

If you ask for more characters than was in the queue (causing a timeout)

the last character was lost.

1.7 to 1.8

The functionality of the methods UseXONXOFF and CRMod were reversed. We changed the names and revised the testing procedure that let this one get through.

Added the setNotifyThreshold methods (Due to popular request)

2.0 Added Modem Support. Enhanced Serial object with additional methods. renamed setTimeout to setCharacterTimeout to avoid the compiler complaining about duplicate method names.

Added some better examples to the distribution.

Added support for YRRID's high speed serial port using the DSP.
The product is called TTYDSP

Yrrid Incorporated
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Chapel Hill, NC 27516

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Email: yrrid@world.std.com

KNOWN BUGS:

1. NeXT (most likely MACH) has a bug that, if you close and re-open a serial port in the application, close will return a "NOT OWNER" error unless you are root. (who looks at the return value from close anyway?). What makes this bug so nasty is that when you re-open the port, writes will continue to work but reads will stop. This all clears up when the application is re-started.

Work around: None. (NeXT needs to fix this ASAP)

(valid for 2.x)

(valid for 3.0PR2)