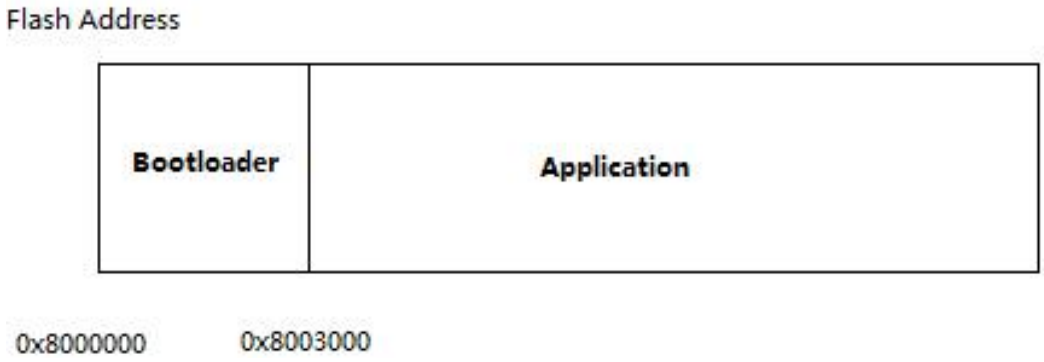
UWB3000 Serial Port Upgrade Guide

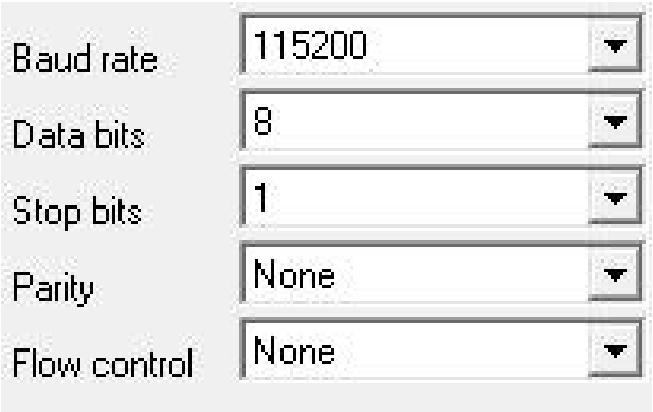
The UWB3000 Demo board contains the code of Bootloader and Application. When the Demo board is powered on, the Bootloader does not perform any operation but directly jumps to the Application.



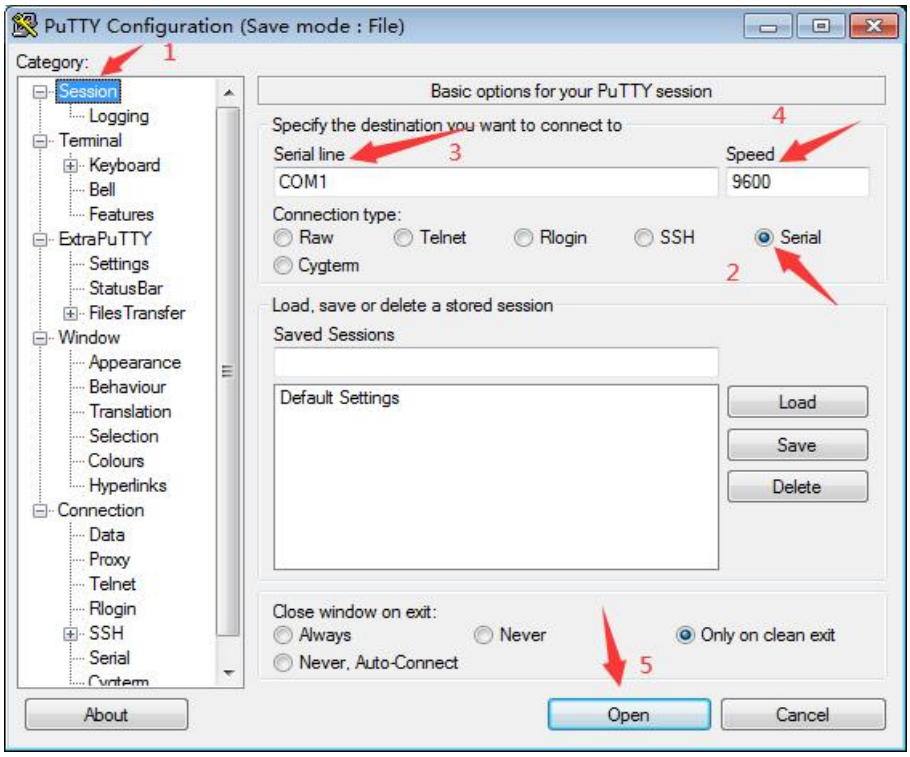
Before upgrading the serial port, check whether the Demo contains the Bootloader. If no,flash the Bootloader file first（Projects\Bootloader\UWB3000_Demo_Bootloader.bin）

Press and hold any key (UP/DOWN/OK/BACK) on the Demo board to power on. In this case, you need to continue to hold down the key for at least 2.5s. The Bootloader will enter the upgrade mode and will not jump to Application.

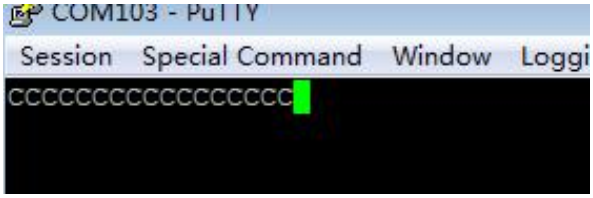
The Bootloader uses the Ymodem-1K protocol to transmit data through the TTL-USB interface on the Demo board. Serial port configuration：



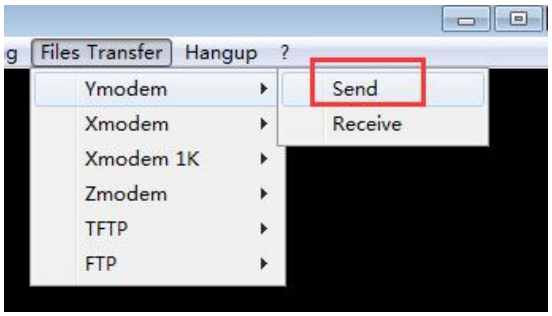
ExtraPuTTY supports file transmission using the Ymodem-1K protocol. The following uses ExtraPuTTY as an example,Connect the serial port and open it:

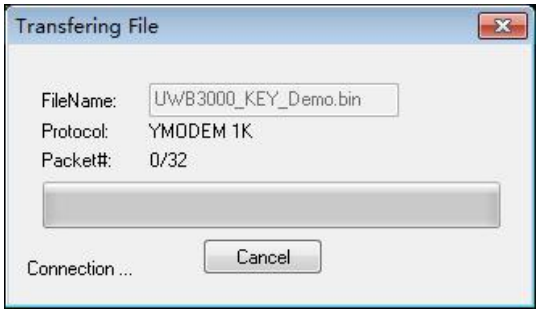


In upgrade mode, the Demo board periodically sends handshake signals:

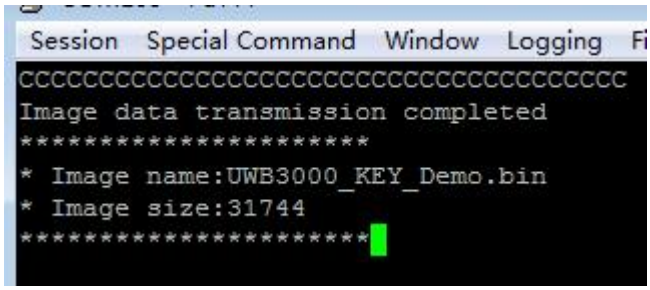


Click Send to select the Appliaction file and begin the transfer:





After the transfer is complete, the Demo board sends information about the files it has received, which will be displayed on the ExtraPuTTY.



Restart the Demo board and the Demo board will run the latest Application.