Programowanie Husarka DSP via port RS232 z wykorzystaniem programu CoolTerm (wersja 1.9.1.z dnia 2022-01-17). Jest to wersja 32 bitowa, ale pracuje również na komputerach z OS 64 bity.

Program można pobrać również z mojej strony
https://sq2rh.it2.pl/homemade/CoolTermWin32Bit.zip
Jest wiele podobnych programów, którymi można w łatwy sposób via RS 232 i bez rozkręcania obudowy zaprogramować Husarka DSP, ja wybrałem akurat ten.
Poniżej instrukcja obrazkowa w kilku krokach, jak zaprogramować Husarek DSP z użyciem programu CoolTerm.

CoolTerm is an easy-to-use terminal for communication with hardware connected to serial ports.

CoolTerm is a simple serial port terminal application (no terminal emulation) that is geared towards hobbyists and professionals with a need to exchange data with hardware connected to serial ports such as servo controllers, robotic kits, GPS receivers, microcontrollers, etc.

The features of CoolTerm include:

- Capability of multiple concurrent connections if multiple serial ports are available.

- Display of received data in plain text or hexadecimal format.

- Special character handling.

- Sending data via keypresses as well as a "Send String" dialog that supports data entry in plain text or hexadecimal format.

- Sending data via copy-paste of text into the terminal window.

- Sending of text files via dialog or drag-and-drop.

- Capability of capturing received data to text/binary files.

- Local echo of transmitted data.

- Local echo of received data (loop back to sender).

- Hardware (CTS, DTR) and software flow control (XON).

- Visual line status indicators.

- Capability of manually toggling line states of certain handshaking signals when hardware flow control is disabled.

- Configurable character, line, and packet delays.

- Capability of saving and retrieving connection options.

- Scripting.

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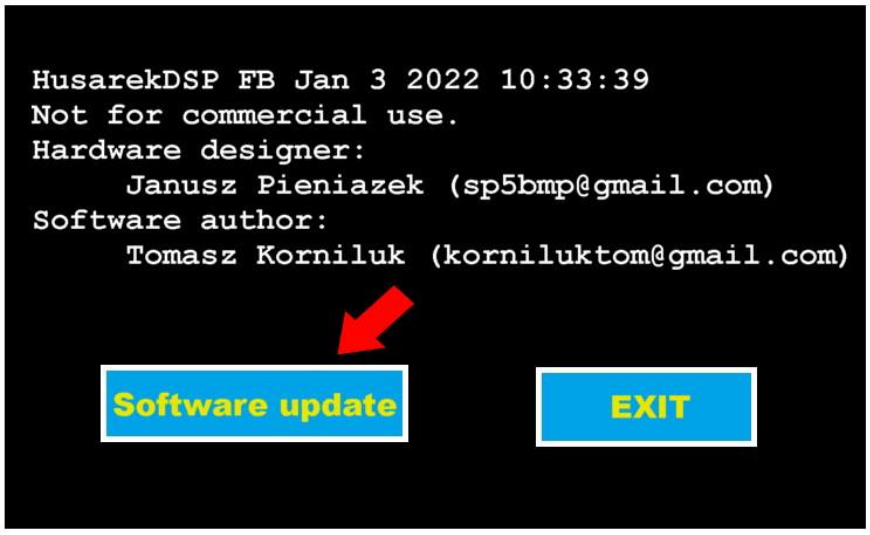
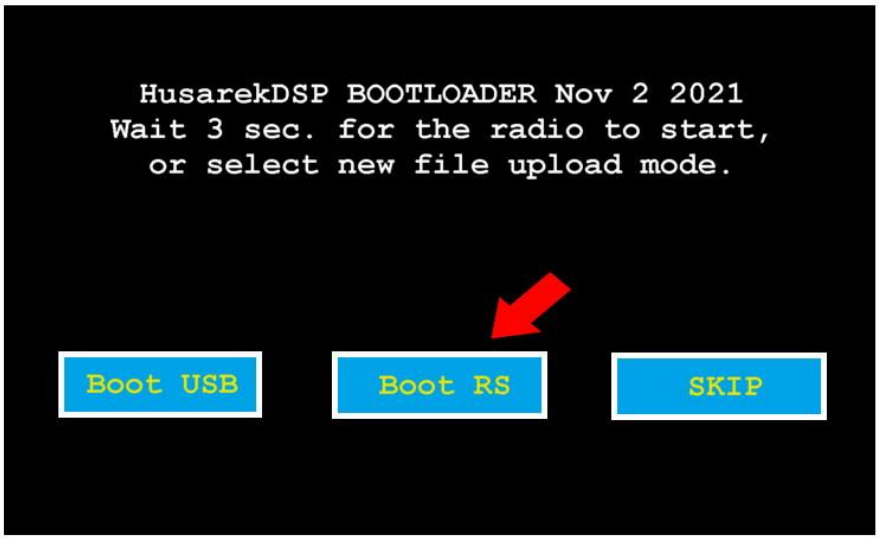
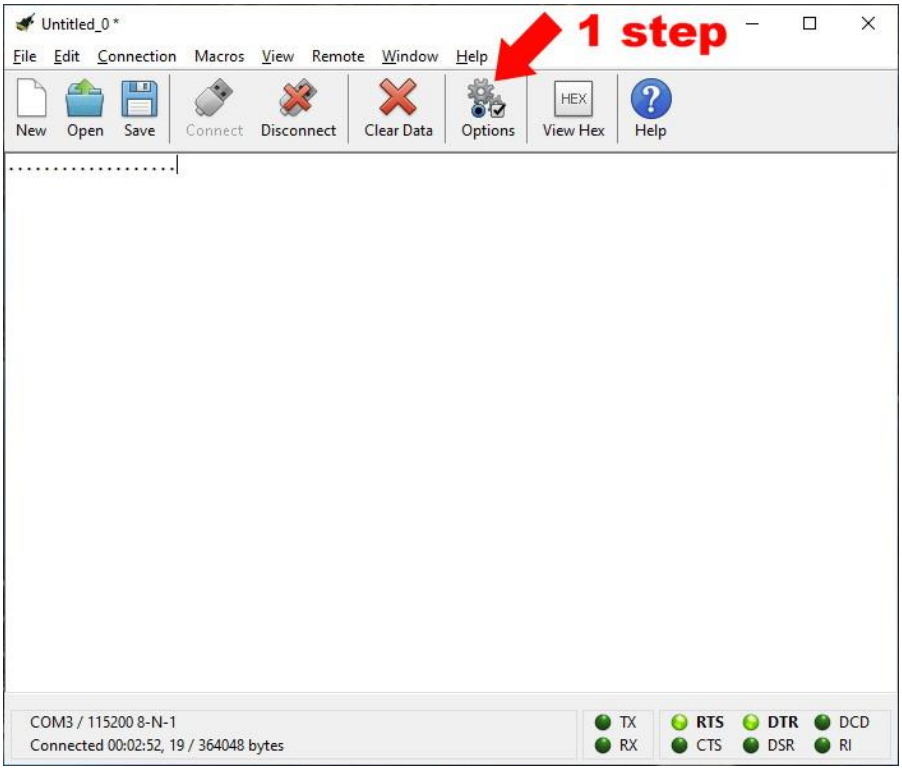
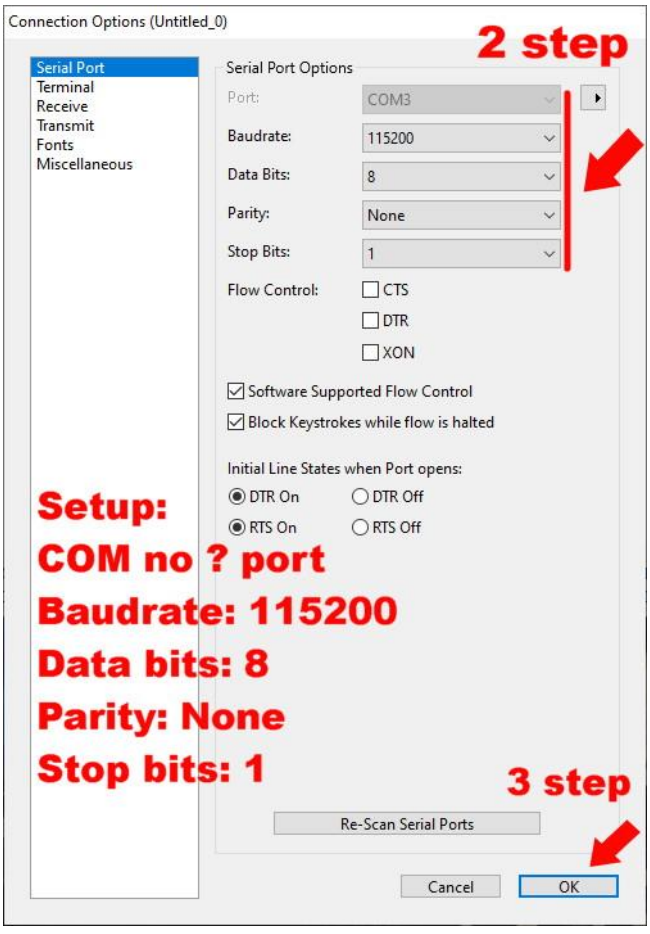
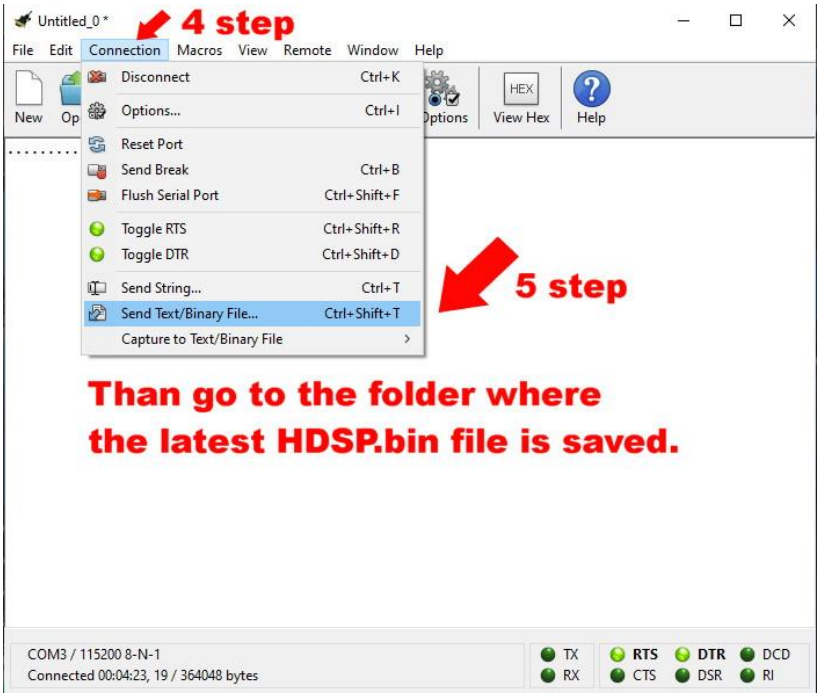
HusarekDSP PROGRAMMING PROCESS VIA RS232 PORT

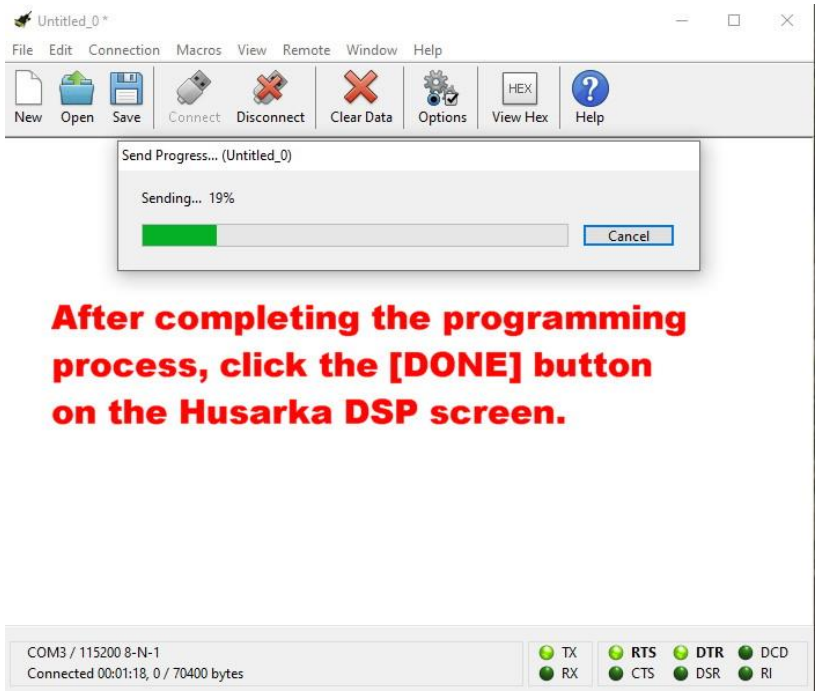


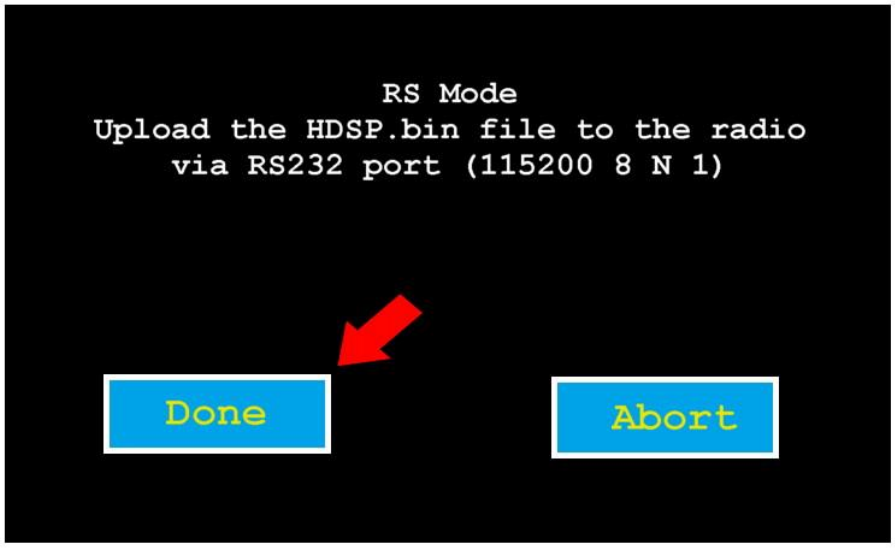



Untitled_0 *
1 step
File Edit Connection Macros View Remote Window Help
New Open Save Connect Disconnect Clear Data Options View Hex Help
COM3 / 115200 8-N-1
Connected 00:02:52, 19 / 364048 bytes
TX RX RTS CTS DTR DSR DCD RI


Connection Options (Untitled_0)
2 step
Serial Port
Terminal
Receive
Transmit
Fonts
Miscellaneous
Serial Port Options
Port: COM3
Baudrate: 115200
Data Bits: 8
Parity: None
Stop Bits: 1
Flow Control: CTS DTR XON
Software Supported Flow Control
Block Keystrokes while flow is halted
Initial Line States when Port opens:
DTR On DTR Off
RTS On RTS Off
Setup:
COM no ? port
Baudrate: 115200
Data bits: 8
Parity: None
Stop bits: 1
3 step
Re-Scan Serial Ports
Cancel
OK


Untitled_0 *
4 step
File Edit Connection Macros View Remote Window Help
Disconnect Ctrl+K
Options... Ctrl+I
Reset Port
Send Break Ctrl+B
Flush Serial Port Ctrl+Shift+F
Toggle RTS Ctrl+Shift+R
Toggle DTR Ctrl+Shift+D
Send String... Ctrl+T
Send Text/Binary File... Ctrl+Shift+T
Capture to Text/Binary File
New
Options
View Hex
Help
5 step
Than go to the folder where
the latest HDSP.bin file is saved.
COM3 / 115200 8-N-1
Connected 00:04:23, 19 / 364048 bytes
TX RX RTS CTS DTR DSR DCD RI


Untitled_0 *
File Edit Connection Macros View Remote Window Help
New Open Save Connect Disconnect Clear Data Options View Hex Help
Send Progress... (Untitled_0)
Sending... 19%
Cancel
After completing the programming
process, click the [DONE] button
on the Husarka DSP screen.
COM3 / 115200 8-N-1
Connected 00:01:18, 0 / 70400 bytes
TX RX RTS CTS DTR DSR DCD RI


RS Mode
Upload the HDSP.bin file to the radio
via RS232 port (115200 8 N 1)
Done
Abort