

hterm 0.8.5

Sending and Receiving Telegrams with Hexadecimal Values

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1 Example: Send Command to Bluebox

1.1 Factory Default Communication Settings

- 19200 Baud
- 8 Databits
- 1 Stopbit
- No Parity

1.2 Procedure

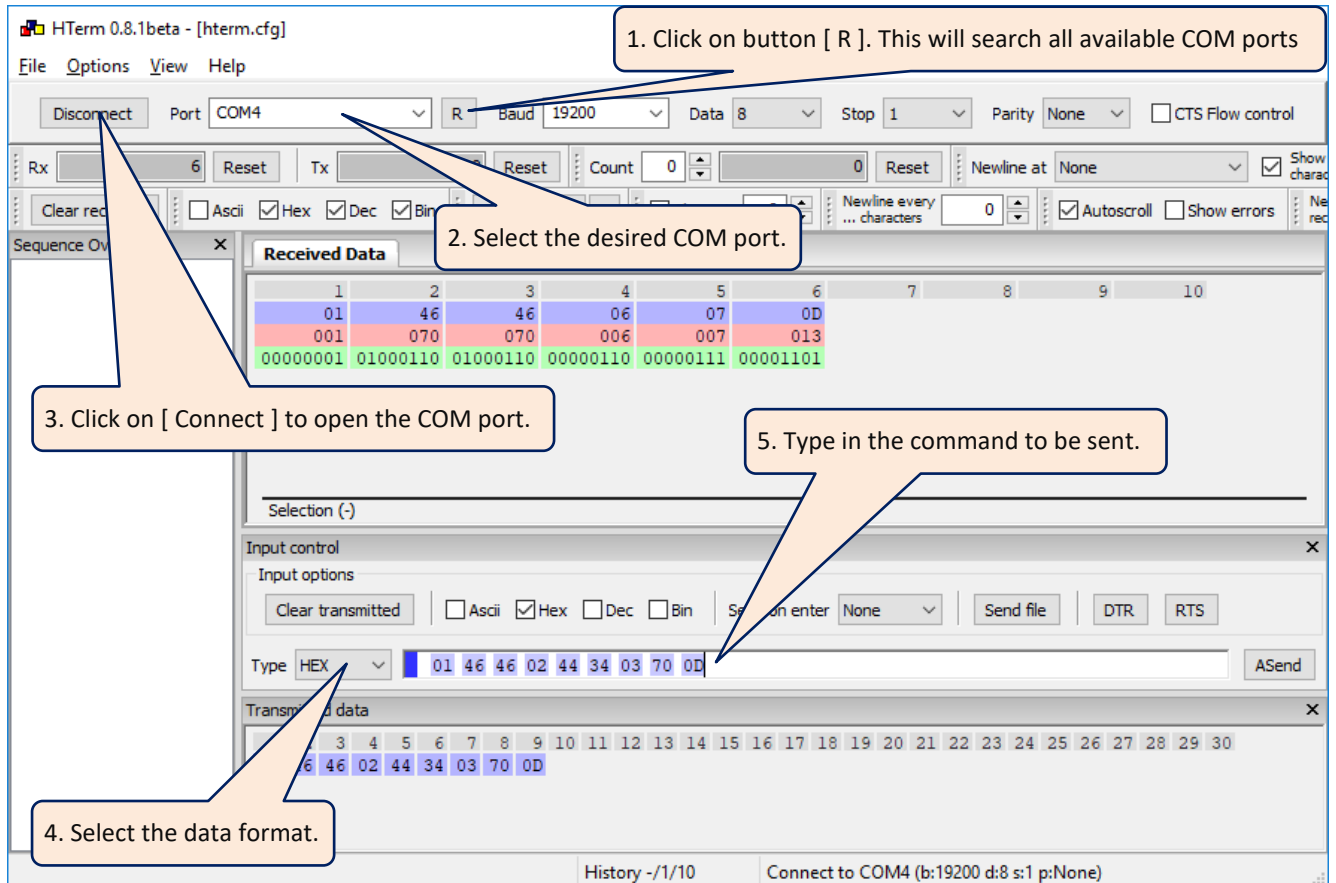


Figure 1 Example with Bluebox

[Enter] will send the command once. So send a command several times or repeat it endlessly see in the following.

The sent data is copied to the window "Transmit data".

Received data will be shown in the window "Received data".

1.3 Some Test Commands

Request Firmware Version:	01 46 46 02 33 34 03 07 0D	Reply contains FW string.
Reset Device:	01 46 46 02 33 30 03 03 0D	Reply: 01 46 46 06 07 0D
Set to Factory Defaults:	01 46 46 02 33 31 03 02 0D	Reply: 01 46 46 06 07 0D
RF Deactivation:	01 46 46 02 33 38 03 0B 0D	
RF Activation:	01 46 46 02 33 39 03 0A 0D	

Reply: 01 46 46 06 07 0D (Success, ACK) or 01 46 46 15 14 0D (Error, NACK)

2 Example 2: Send Command to OEM-DESFire Devices (e.g. NEO2)

2.1 Factory Default Communication Settings

- 115200 Baud (before firmware 2022-09-13, 9600 Baud are used)
- 8 Databits
- 1 Stopbit
- No Parity

2.2 Procedure

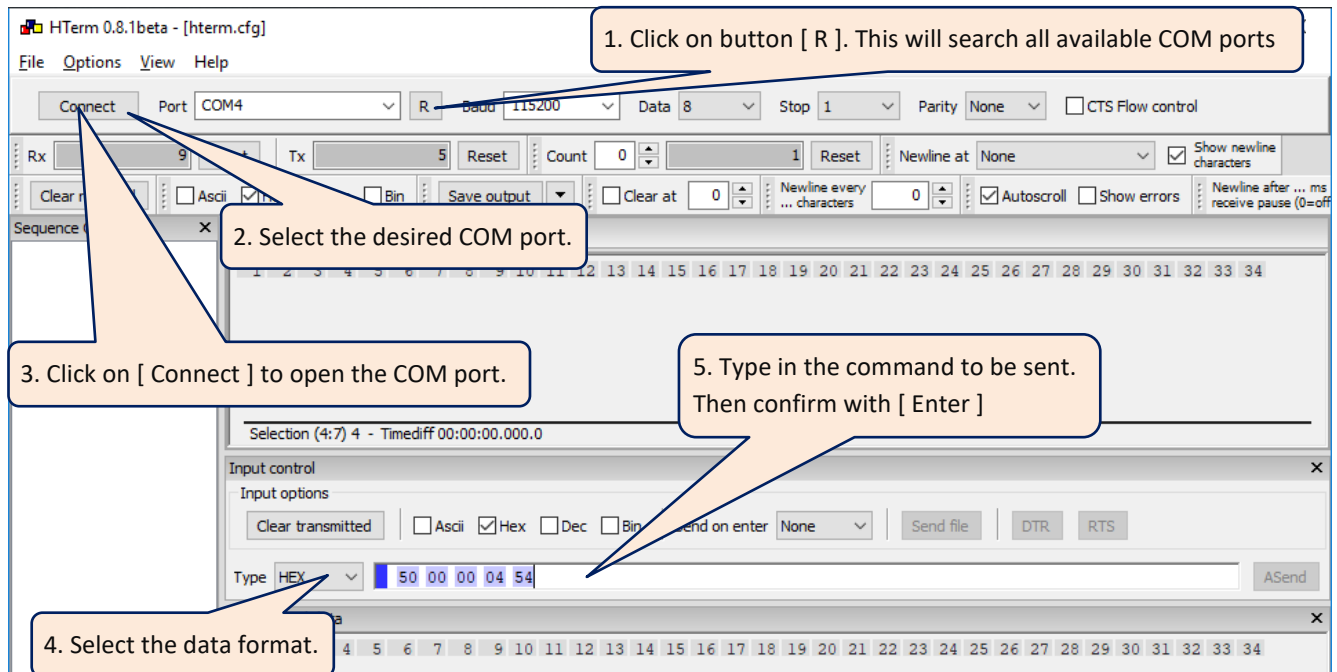


Figure 2 Example with OEM-DESFire Series, send telegram

Result

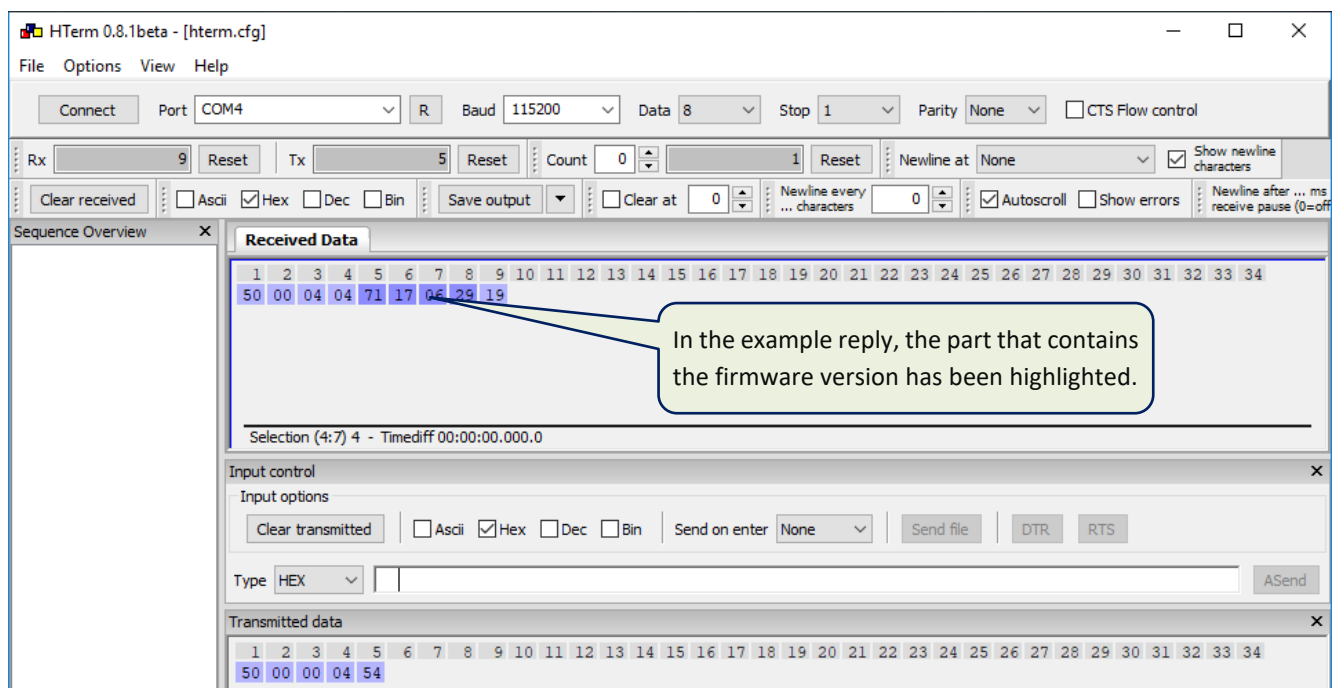


Figure 3 Example with OEM-DESFire Series, receive telegram

3 Copy Data to Clipboard

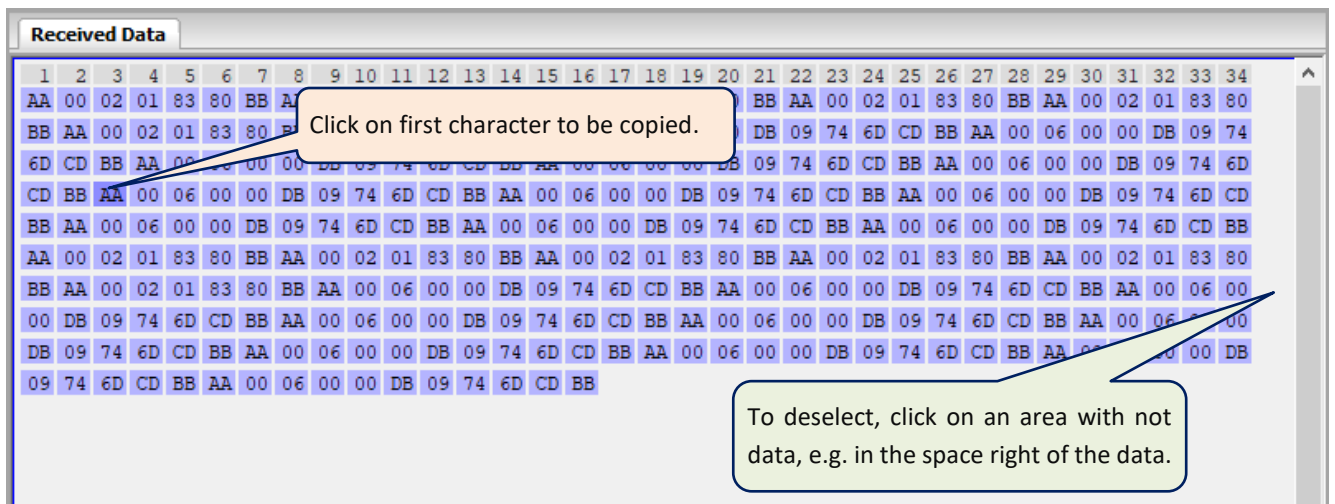


Figure 4 Copy step 1

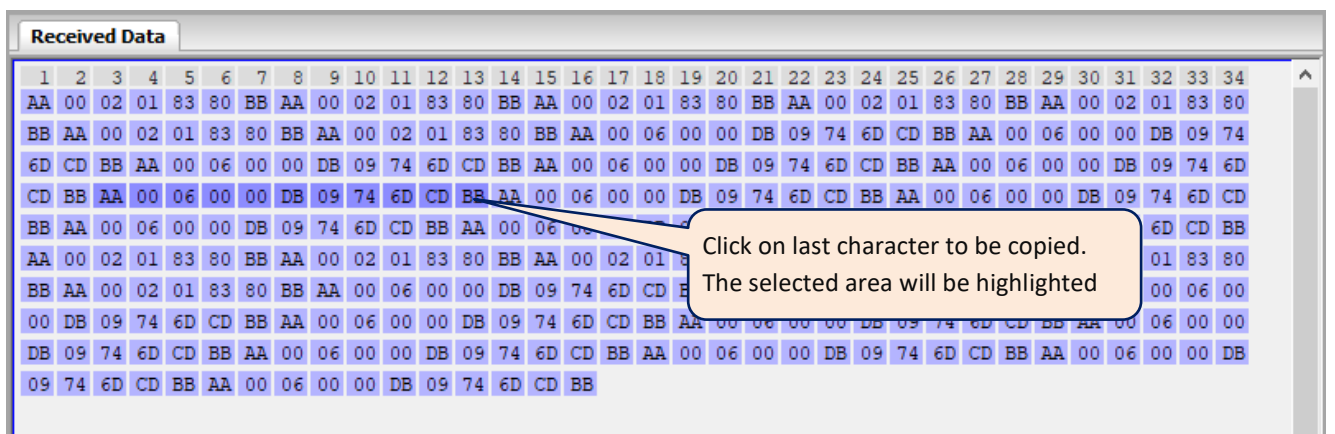


Figure 5 Copy step 2

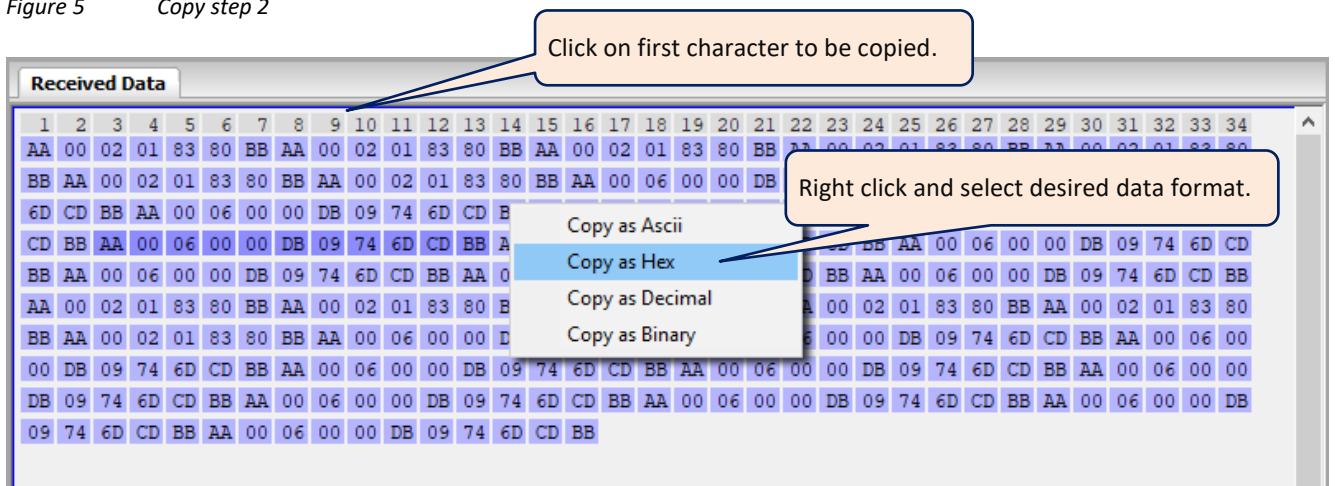


Figure 6 Copy step 3

4 Automatically Send Telegrams

The screenshot shows the 'Autosend' dialog box. The 'Source' field contains '[Inputline]'. The 'Repetitions (0=inf)' field is set to '0'. The 'Delay (0=none)' field is set to '0' with a multiplier of 'x0.1s'. Below these fields, it says 'Repetition 0 of 100' and 'Next in 0.0s'. There is a progress bar that is empty. At the bottom, it shows '0 of 36 byte', 'Sendtime 00:00:0', and 'Speed 0,035 KiB/s'. At the very bottom are three buttons: 'Start', 'Stop', and 'Cancel'.

Figure 7 Example for infinite repetitions

The screenshot shows the 'Autosend' dialog box. The 'Source' field contains '[Inputline]'. The 'Repetitions (0=inf)' field is set to '200'. The 'Delay (0=none)' field is set to '2' with a multiplier of 'x0.1s'. Below these fields, it says 'Repetition 0 of 0' and 'Next in 0.0s'. There is a progress bar that is empty. At the bottom, it shows '0 of 36 byte', 'Sendtime 00:00:0', and 'Speed 0,035 KiB/s'. At the very bottom are three buttons: 'Start', 'Stop', and 'Cancel'.

Figure 8 Example for 100 repetitions with a pause of 200 ms

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