

hterm 0.8.5

Sending and Receiving Telegrams

with Hexadecimal Values

|  |  |
| --- | --- |
| iDTRONIC GmbH  Donnersbergweg 1  67059 Ludwigshafen  Germany/Deutschland  Phone: +49 621 6690094-0  Fax: +49 621 6690094-9  E-Mail: info@idtronic.de  Web: idtronic-rfid.com | Issue 0.5  – 03. July 2020 –  Subject to alteration without prior notice.  © Copyright iDTRONIC GmbH 2020  Printed in Germany |

Contents

[1 Example: Send Command to Bluebox 4](#_Toc34042331)

[1.1 Factory Default Communication Settings 4](#_Toc34042332)

[1.2 Procedure 4](#_Toc34042333)

[1.3 Some Test Commands 4](#_Toc34042334)

[2 Example 2: Send Command to OEM-DESFire Devices 5](#_Toc34042335)

[2.1 Factory Default Communication Settings 5](#_Toc34042336)

[2.2 Procedure 5](#_Toc34042337)

[3 Copy Data to Clipboard 6](#_Toc34042338)

[4 Automatically Send Telegrams 7](#_Toc34042339)

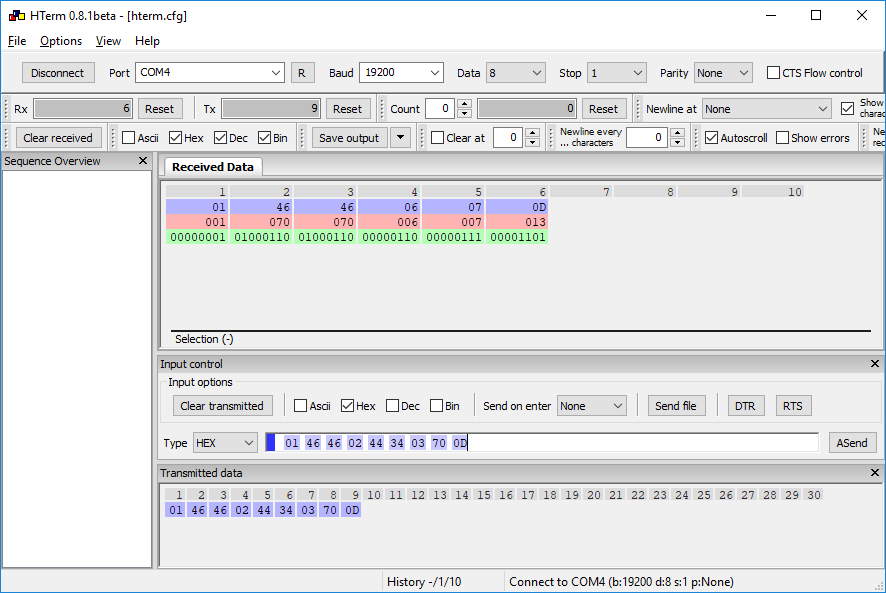
[Table of Figures 7](#_Toc34042340)

# Example: Send Command to Bluebox

## Factory Default Communication Settings

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

## Procedure



5. Type in the command to be sent.

4. Select the data format.

3. Click on [ Connect ] to open the COM port.

2. Select the desired COM port.

1. Click on button [ R ]. This will search all available COM ports

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”.

## 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)

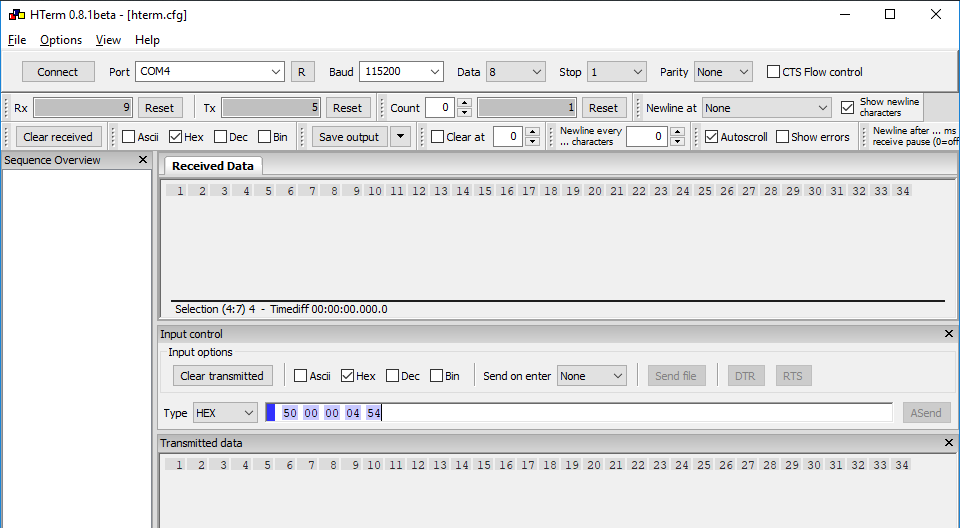
# Example 2: Send Command to OEM-DESFire Devices

## Factory Default Communication Settings

* 115200 Baud
* 8 Databits
* 1 Stopbit
* No Parity

## Procedure

1. Click on button [ R ]. This will search all available COM ports



5. Type in the command to be sent.

Then confirm with [ Enter ]

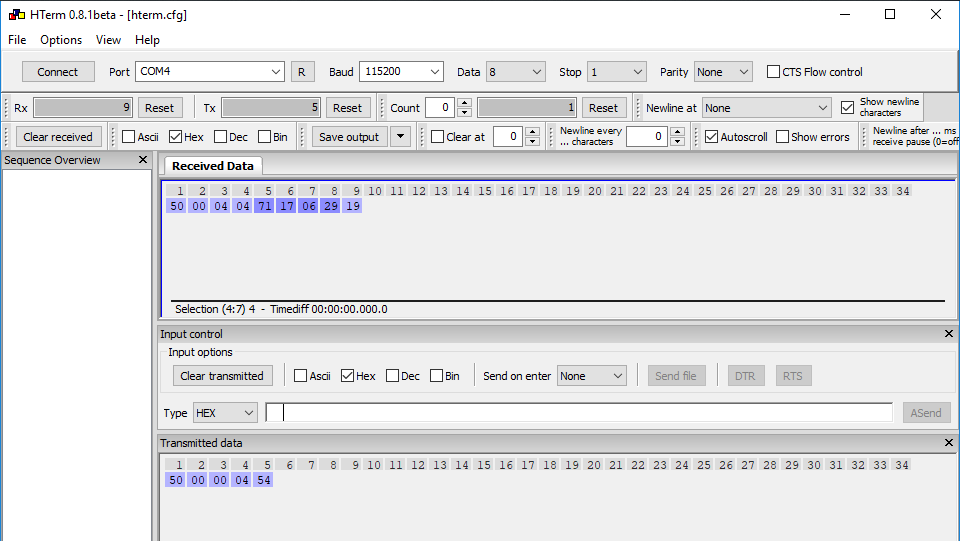
4. Select the data format.

3. Click on [ Connect ] to open the COM port.

2. Select the desired COM port.

Figure 2 Example with OEM-DESFire Series, send telegramm

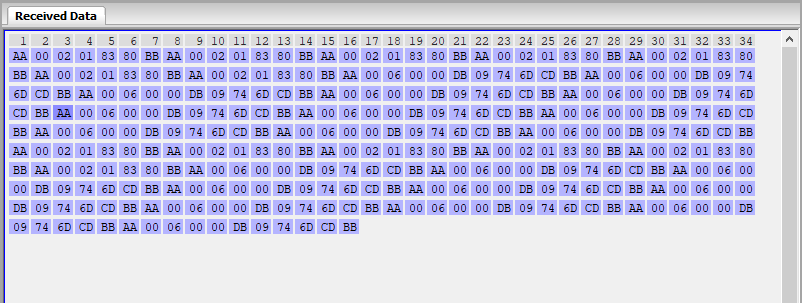
Result



In the example reply, the part that contains the firmware version has been highlighted.

Figure 3 Example with OEM-DESFire Series, receive telegramm

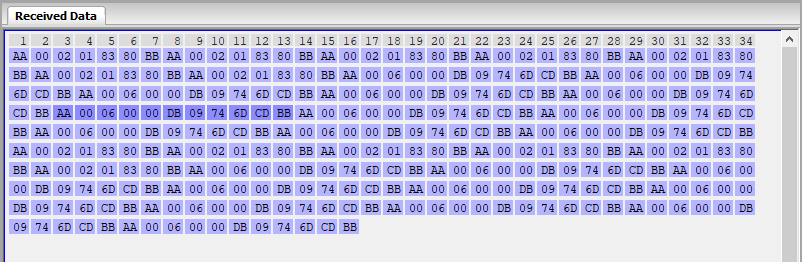
# Copy Data to Clipboard



To deselect, click on an area with not data, e.g. in the space right of the data.

Click on first character to be copied.

Figure 4 Copy step 1

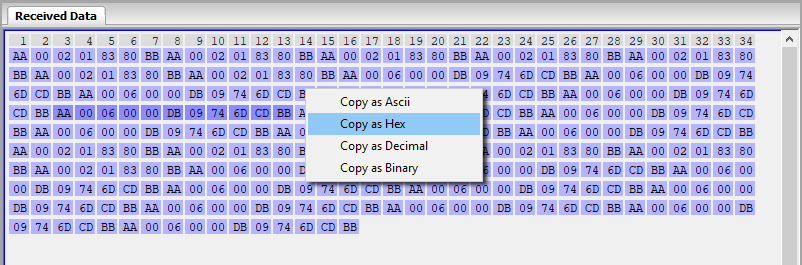


Click on last character to be copied.

The selected area will be highlighted

Figure 5 Copy step 2

Click on first character to be copied.



Right click and select desired data format.

Figure 6 Copy step 3

# Automatically Send Telegrams

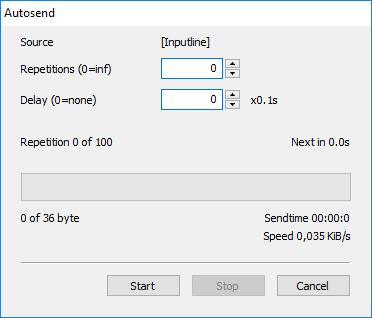


Figure 7 Example for infinite repetitions

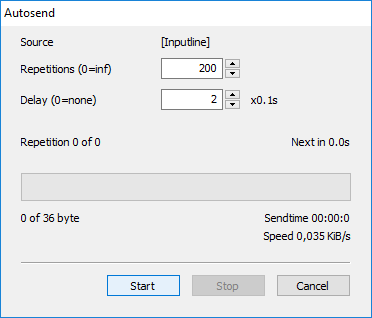


Figure 8 Example for 100 repetitions with a pause of 200 ms

Table of Figures

[Figure 1 Example with Bluebox 4](#_Toc34042341)

[Figure 2 Example with OEM-DESFire Series, send telegramm 5](#_Toc34042342)

[Figure 3 Example with OEM-DESFire Series, receive telegramm 5](#_Toc34042343)

[Figure 4 Copy step 1 6](#_Toc34042344)

[Figure 5 Copy step 2 6](#_Toc34042345)

[Figure 6 Copy step 3 6](#_Toc34042346)

[Figure 7 Example for infinite repetitions 7](#_Toc34042347)

[Figure 8 Example for 100 repetitions with a pause of 200 ms 7](#_Toc34042348)