

HDA800 Evaluation Kit Quick Start Guide

1 Introduction

This guide will help you to configure and use the HDA800 Evaluation Kit for first time use. It describes how to configure the required WiFi, IP and serial port parameters for a simple demonstration.

2 Requirements

Things you need to have:

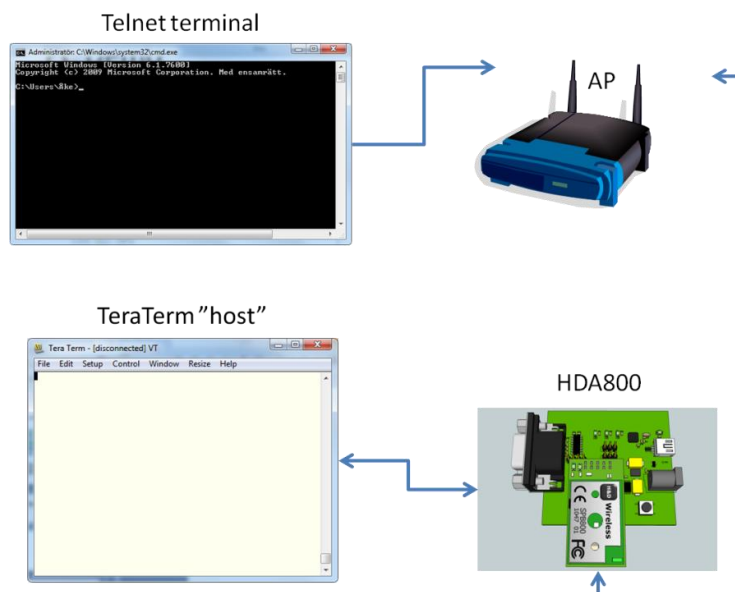
- The HDA800 RS-232 to WiFi 802.11b+g adapter
- A PC with a RS-232 serial port or a USB to RS-232 adapter connected to the same network.
- An USB cable to power the HDA800.

Things you need to know:

- The SSID of the WiFi Network to connect to.
- To set a static IP address you need to know:
 - IP address, network mask and default gateway

3 Demonstration Example

In this example a TCP socket is created on the SPB800 and the serial port terminal (TeraTerm) emulates the host to communicate with the “host” a telnet connection is opened in a command window



3.1 How to do it

- Connect the HDA800 to a PC with TeraTerm or any other serial port terminal.
- Hit “Enter” when you see the dots in the terminal window.
- First we need to set the parameter /proto/active to none

```
$ db set /proto/active none
```

- Then we continue with entering the SSID (if you are connecting to a

```
$ db set /wl/ssid my-ssid
```

- We enter the IP address we have selected for the HDA800. Make sure that it does not collide with any other static set address or the address range managed by the networks DHCP server.

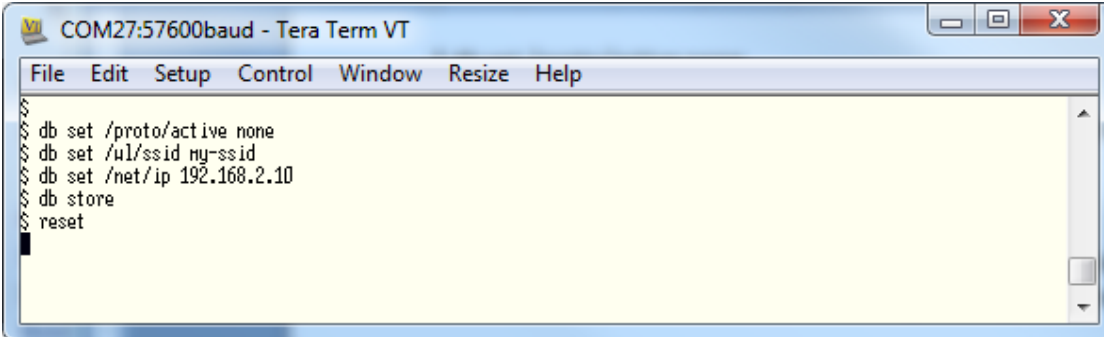
```
$ db set /net/ip 192.168.2.10
```

- Type “db get” to list all parameters and check their values, satisfied with the result we enter the parameters into the flash with “db store”

```
$ db store
```

- To start with the new parameters we do reset.

```
$ reset
```

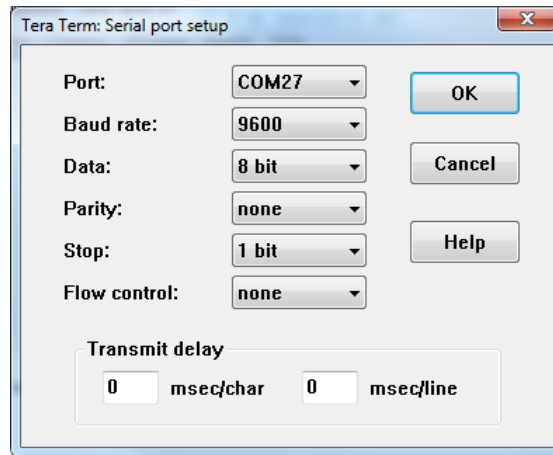


The screenshot shows a TeraTerm terminal window titled "COM27:57600baud - Tera Term VT". The window has a menu bar with "File", "Edit", "Setup", "Control", "Window", "Resize", and "Help". The terminal content shows the following commands being entered:

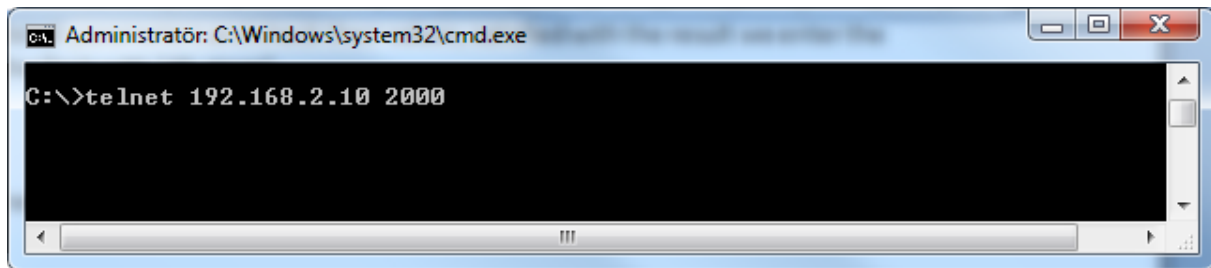
```
db set /proto/active none
db set /wl/ssid my-ssid
db set /net/ip 192.168.2.10
db store
reset
```

- After the device has restarted and connected to the network it will light up the two LEDs on the SPB800E
- Once it is connected, reset the baudrate on TeraTerm to 9600





- Open a command window by clicking START -> Run and then type cmd in the new window and hit return.
- In the command window type:
telnet 192.168.2.10 2000
- This will open a TCP socket on port 2000 to start communicating with the TeraTerm terminal via the SPB800.



- Now text that you type in the telnet window will be sent to the TeraTerm terminal and the opposite as well. Please note that the TeraTerm won't echo what you type in its own window.

