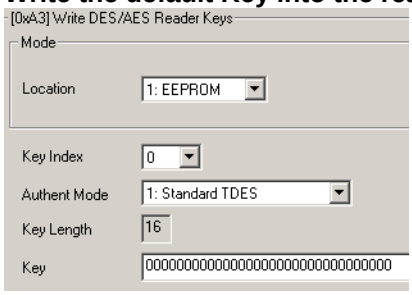
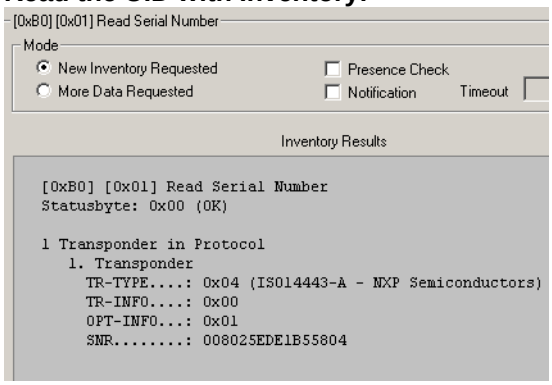
Using Mifare Ultralight C

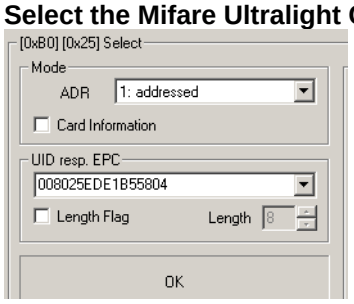
Write the default Key into the reader EEPROM. The Authent Mode must be TDES:



Read the UID with Inventory:

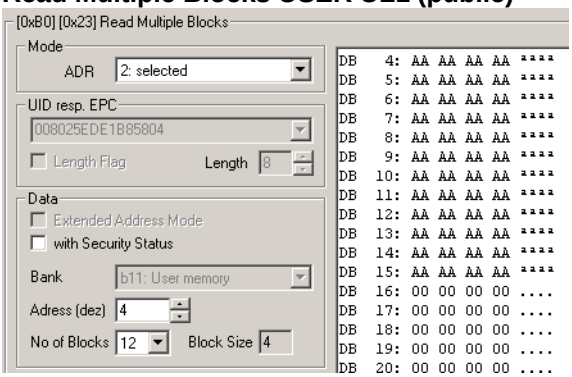


Select the Mifare Ultralight C:

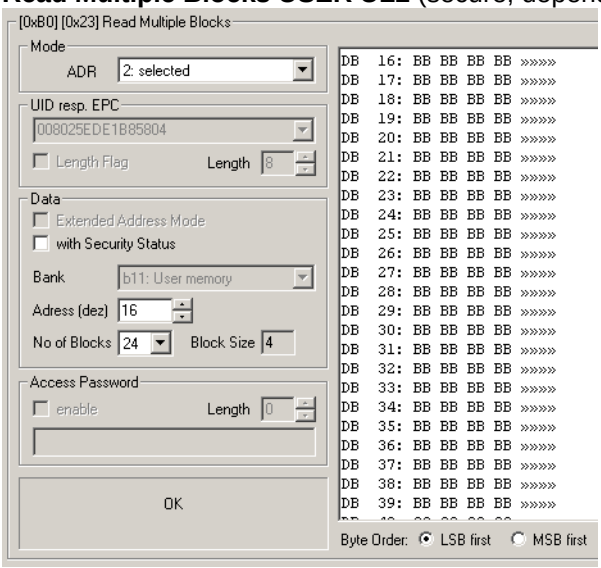


Make the authentification using the command Authent Mifare Ultralight C

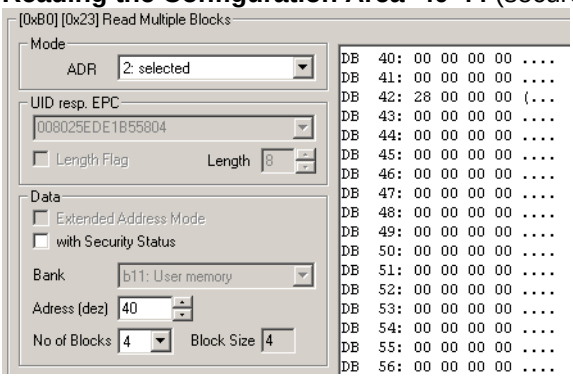
Read Multiple Blocks USER UL1 (public)



Read Multiple Blocks USER UL2 (secure, depending on the configuration Byte0 (Auth0) in DB42)



Reading the Configuration Area 40-44 (secure, depending on the configuration Byte0 (Auth0) in DB42)

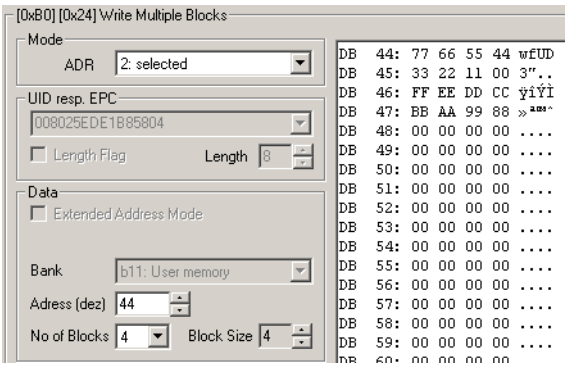


In DB 42 Byte0 (Auth0) the start address of the secure area can be configured.
The default setting is set to 0x28 (40). That means only the configuration area 40-44 is protected by the key.

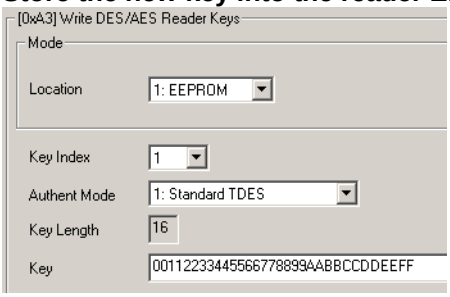
To set the whole User UL2 area to the secure status the byte 0 (Auth0) must be set to the start address 0x10 (DB16) .
The User UL1 area cannot be protected by a key.

Writing and changing the Key on the transponder:

Sample Key: "**00112233 44556677 8899AABB CCDDEEFF**".
Take care about the order of the Key in DB 44-47!



Store the new key into the reader EEPROM:



Memory organisation: