

# uFR NDEF

## Version 1.1

Windows link: [https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-c\\_sharp.git](https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-c_sharp.git)

MacOS link: [https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-objective\\_c-gui.git](https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-objective_c-gui.git)

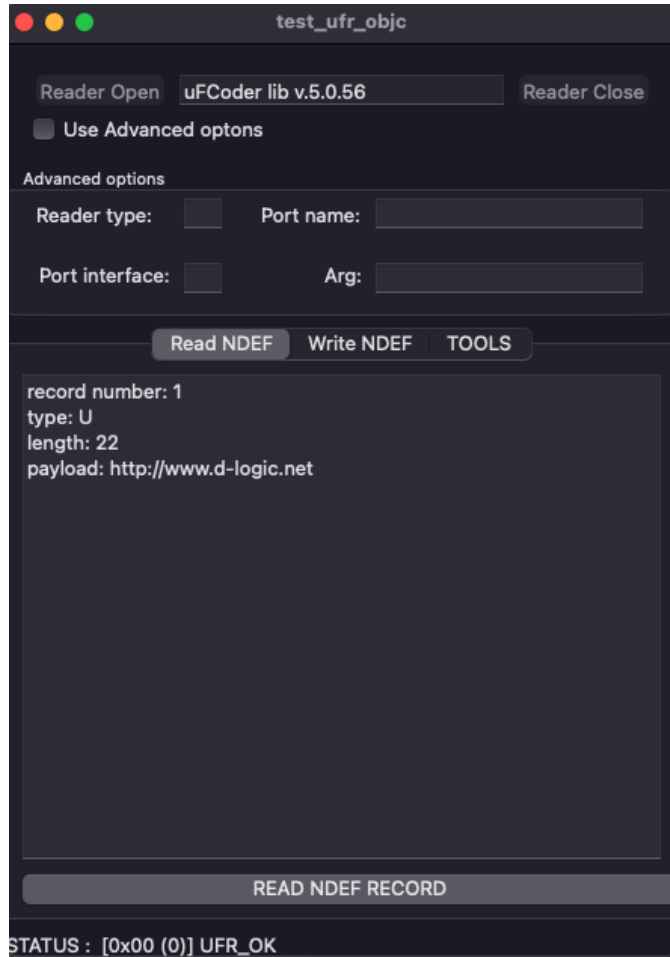
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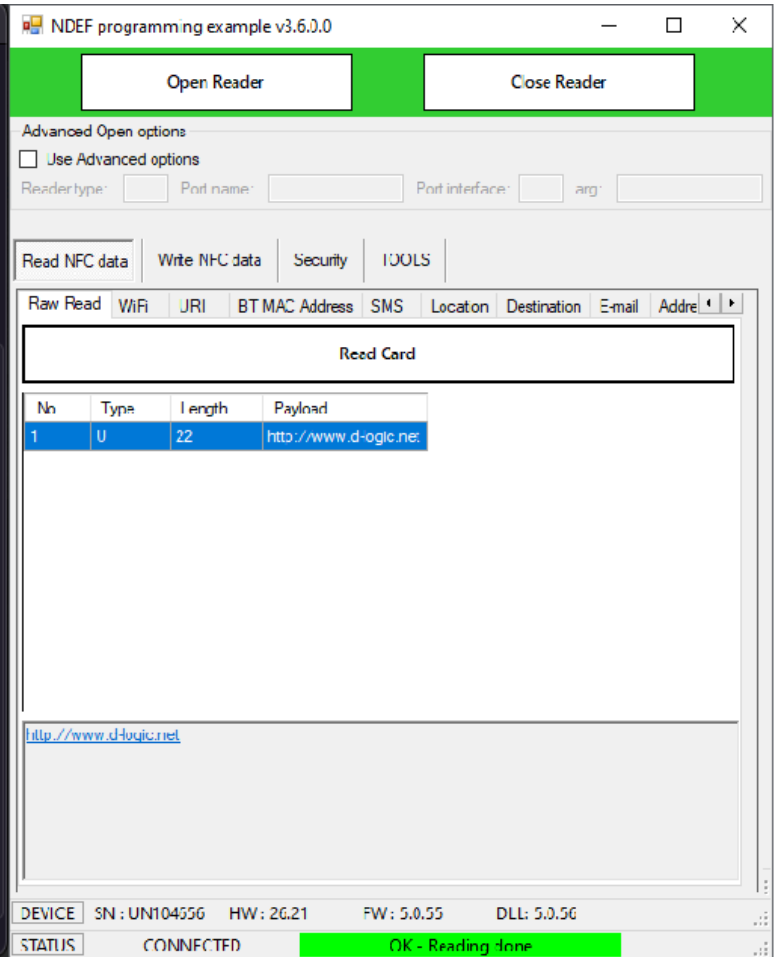
# Read NDEF

Click on 'ReaderOpen' button and then click 'Read' button ('READ NDEF RECORD' - MacOS or 'Read Card' - Windows)

MacOS



Windows

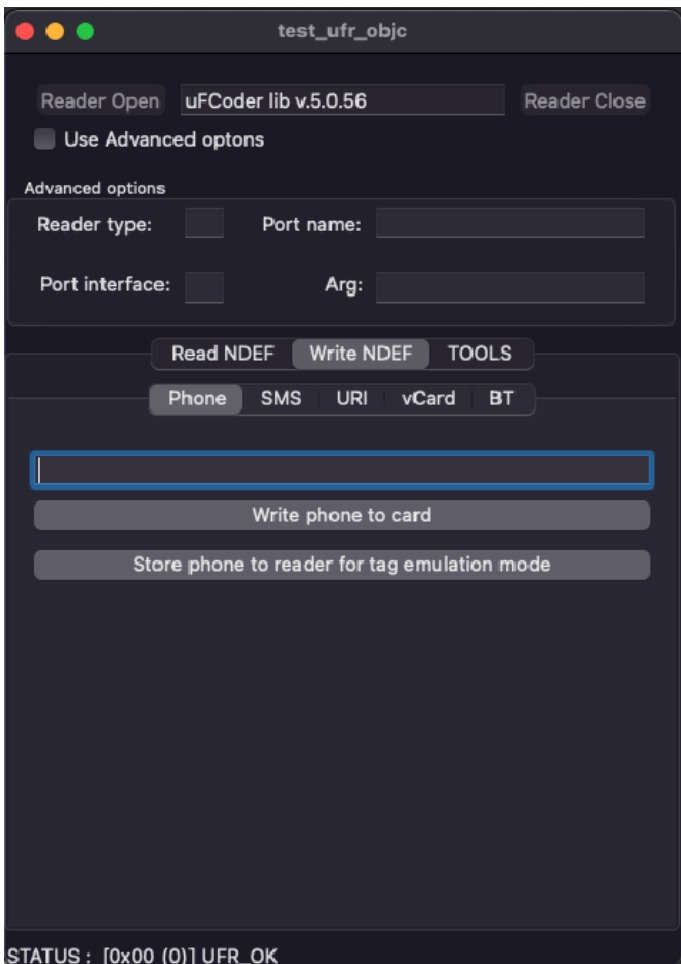


Always check status at the bottom left corner, if your status is UFR\_OK, everything is fine, otherwise an error occurred which can be identified depending on the error code that is the return value.

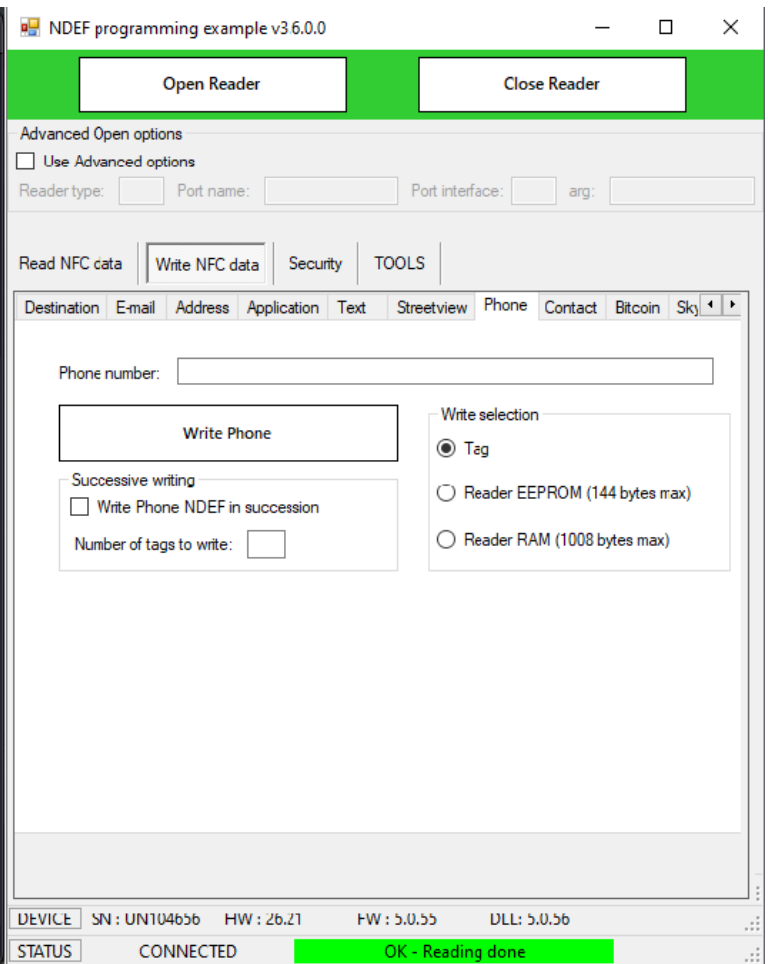
# Write phone number

Simply type in the phone number and click the button to store it into the card or into the reader (tag emulation mode).

## MacOS



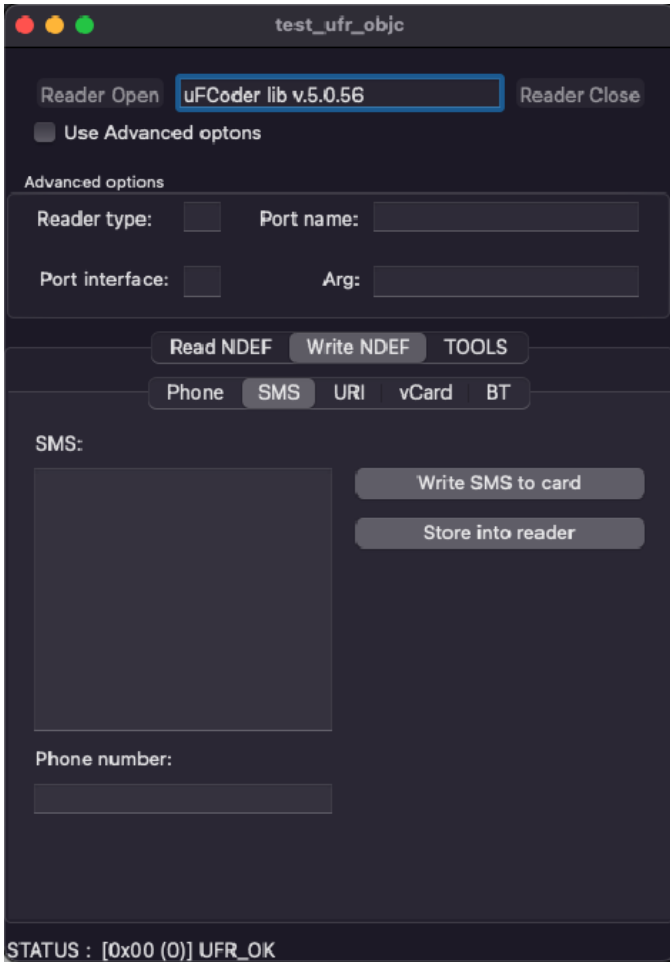
## Windows



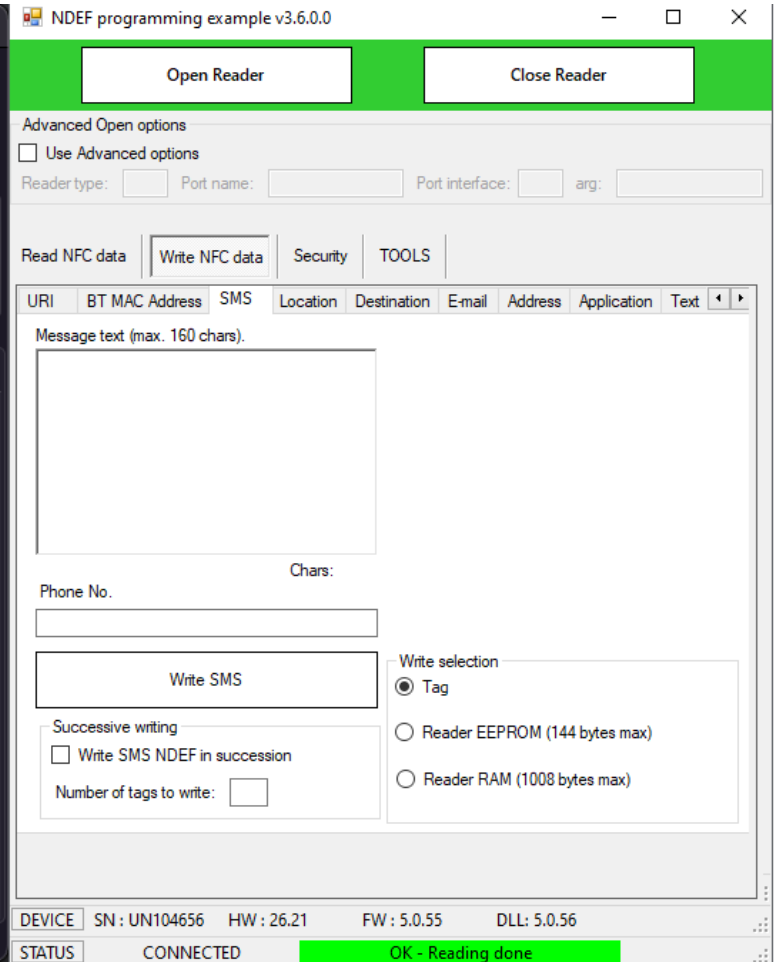
# Write SMS

Type in the message you want to store and the phone number it is addressed to, and then click the button to store the message and number into the card or into the reader (tag emulation mode).

## MacOS



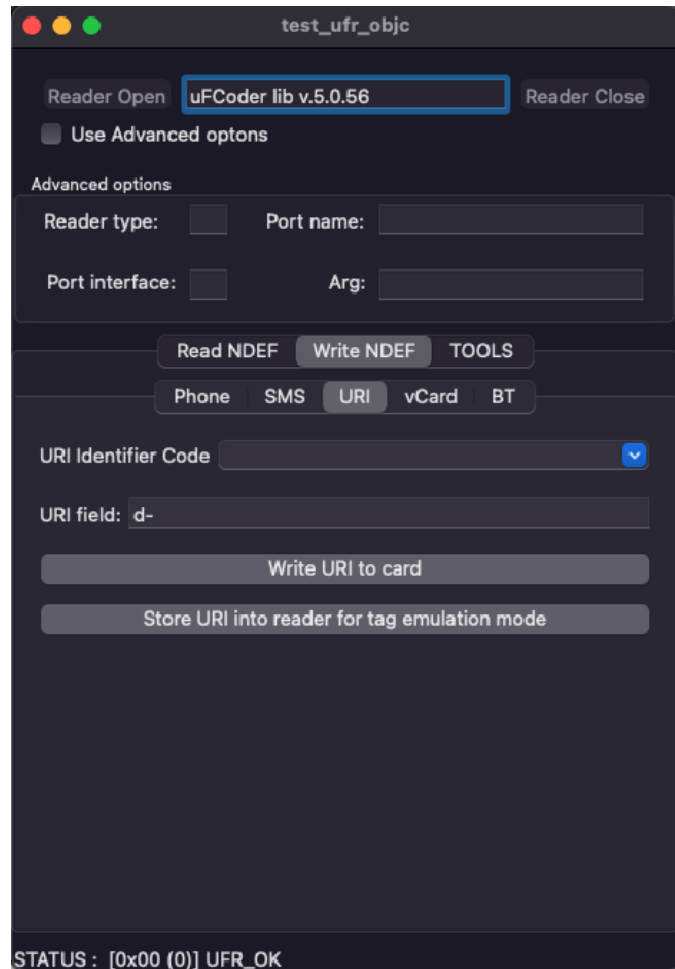
## Windows



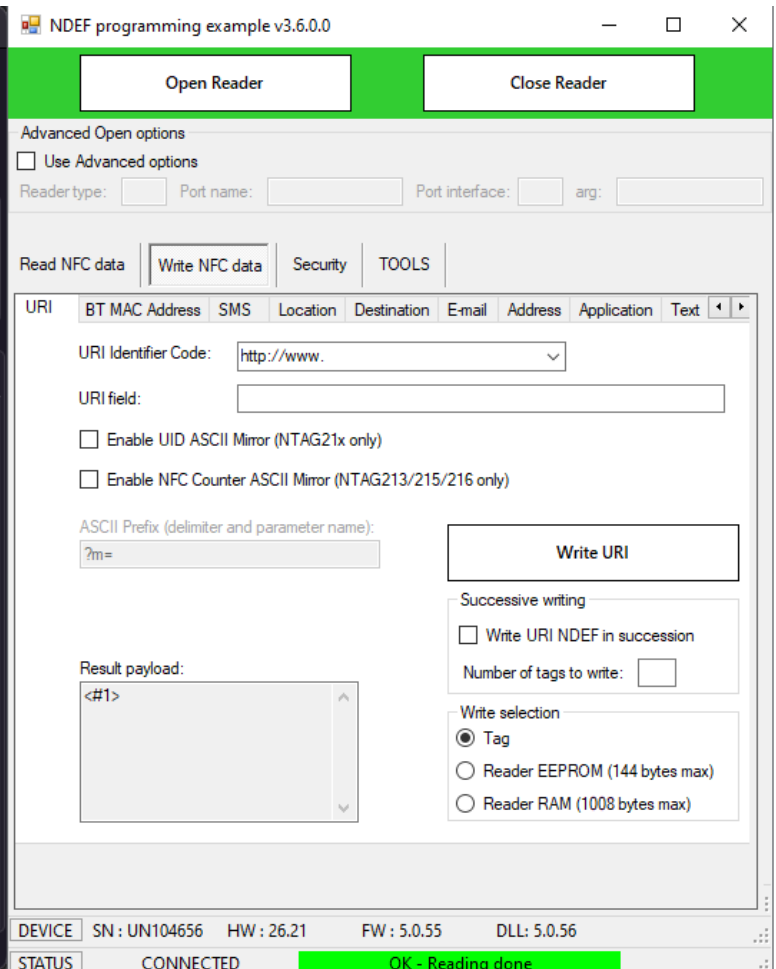
# Write URI

To write URI, choose URI Identifier Code from the drop-down list and then type your URI field. After you finish, click the button to store the URI to the card or into the reader (tag emulation mode).

## MacOS



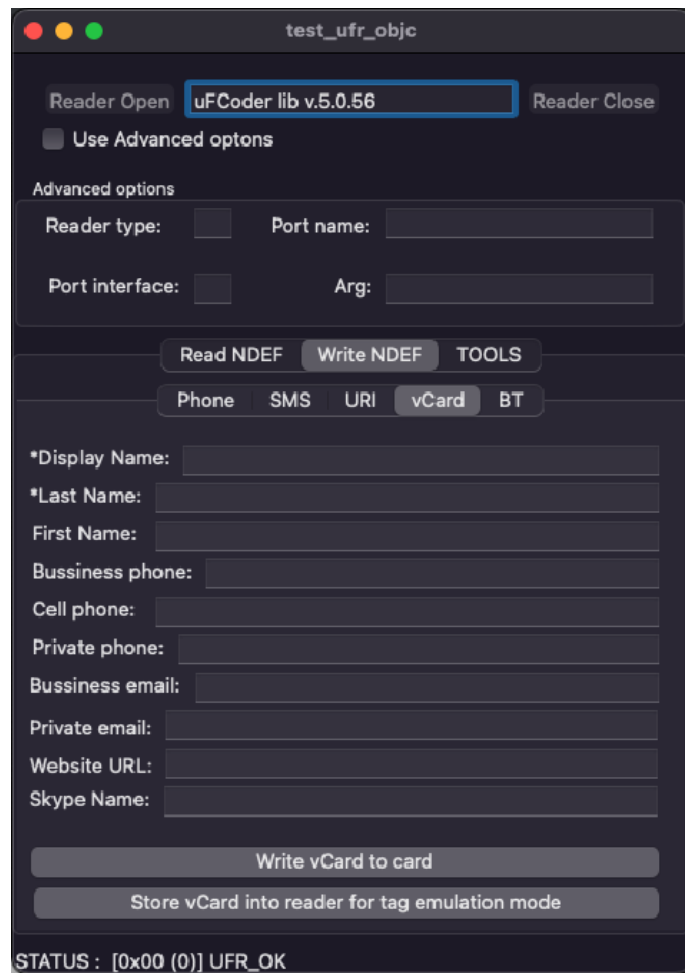
## Windows



# Write vCard

Fill all data you want to store for vCard and click button to write it into card or into reader (tag emulation mode).

## MacOS



test\_ufr\_objc

Reader Open  Reader Close

Use Advanced options

Advanced options

Reader type:  Port name:

Port interface:  Arg:

Read NDEF Write NDEF TOOLS

Phone SMS URI vCard BT

\*Display Name:

\*Last Name:

First Name:

Bussiness phone:

Cell phone:

Private phone:

Bussiness email:

Private email:

Website URL:

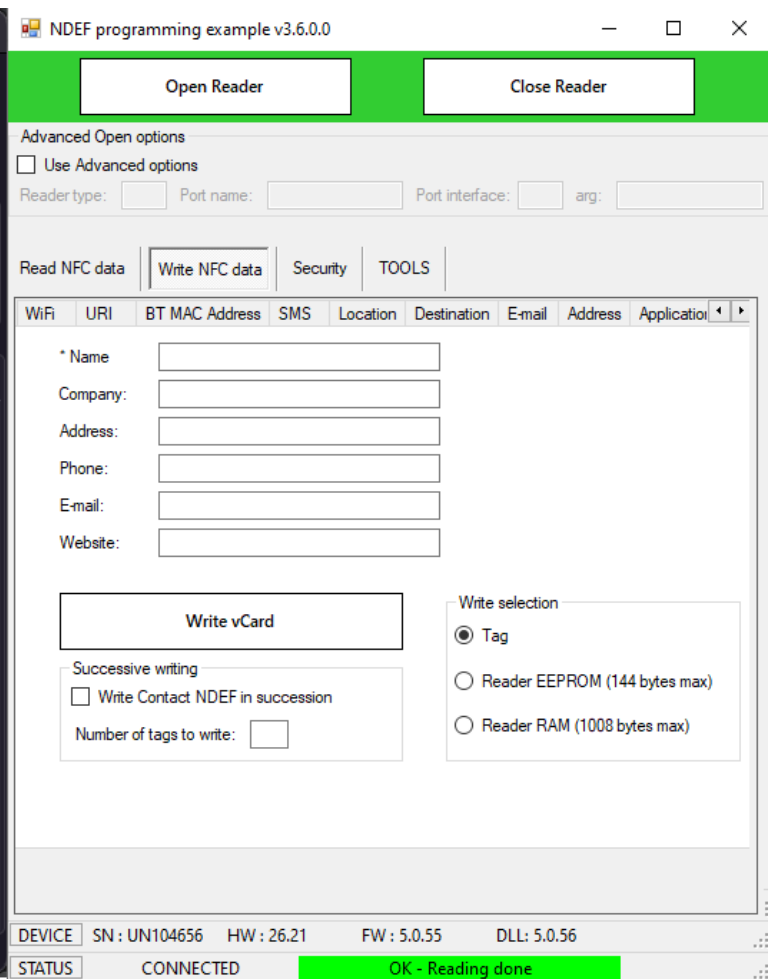
Skype Name:

Write vCard to card

Store vCard into reader for tag emulation mode

STATUS : [0x00 (0)] UFR\_OK

## Windows



NDEF programming example v3.6.0.0

Open Reader Close Reader

Advanced Open options

Use Advanced options

Reader type:  Port name:  Port interface:  arg:

Read NFC data Write NFC data Security TOOLS

WiFi	URI	BT MAC Address	SMS	Location	Destination	E-mail	Address	Application
* Name	<input type="text"/>							
Company:	<input type="text"/>							
Address:	<input type="text"/>							
Phone:	<input type="text"/>							
E-mail:	<input type="text"/>							
Website:	<input type="text"/>							

Write vCard

Write selection

Tag

Reader EEPROM (144 bytes max)

Reader RAM (1008 bytes max)

Successive writing

Write Contact NDEF in succession

Number of tags to write:

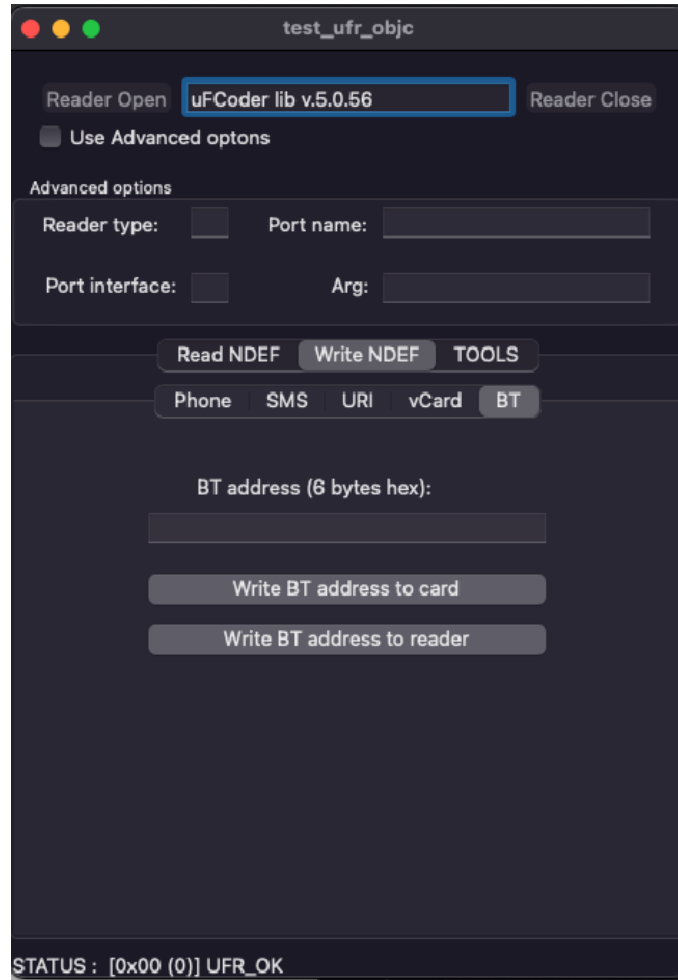
DEVICE SN : UN104656 HW : 26.21 FW : 5.0.55 DLL : 5.0.56

STATUS CONNECTED OK - Reading done

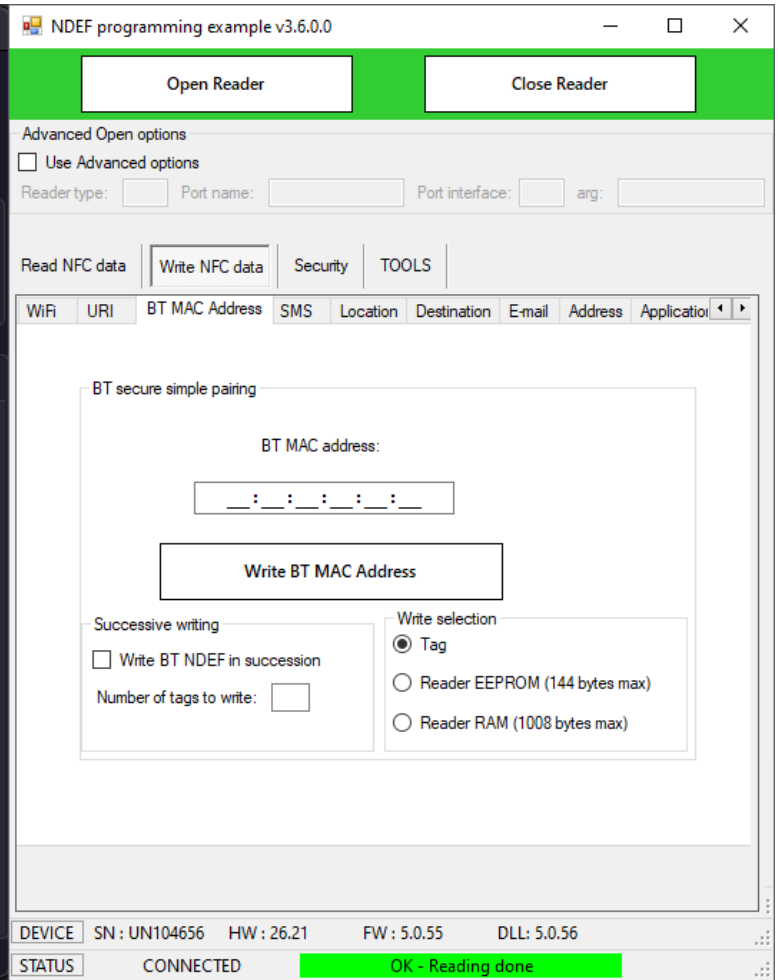
# Write BT address

Type BT address (6 bytes hexadecimal) and click button to store it into card or into reader (tag emulation mode).

## MacOS



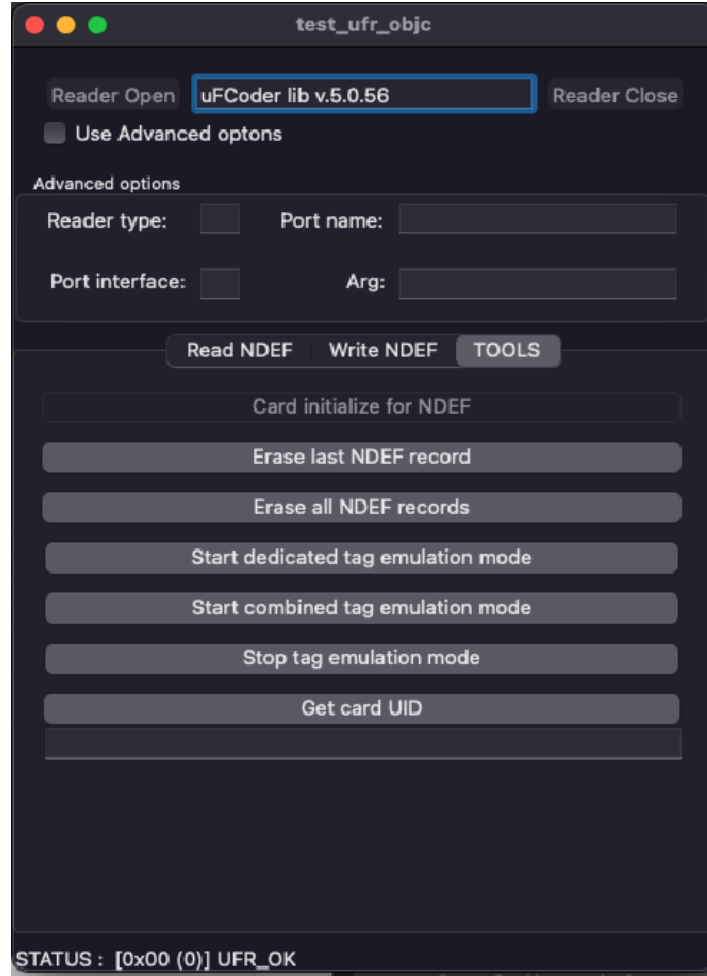
## Windows



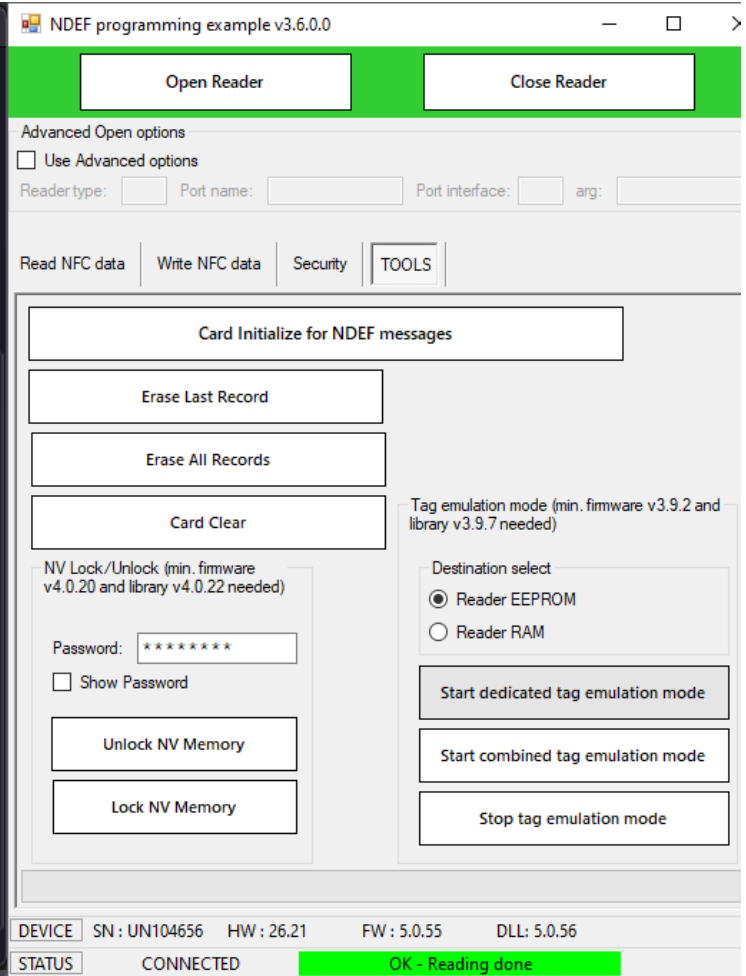


# TOOLS

MacOS



Windows



At 'TOOLS' page you will be able to initialize card for NDEF if it's not already initialized (for example, you can initialize MIFARE® CLASSIC 1K card, erase last or all NDEF records from card, start tag emulation mode which will allow you to store NDEF messages to reader, also if you want you can stop tag emulation mode and you can read card's UID.

## Revision history

Date	Version	Comment
2021-11-01	1.1	Function descriptions updated
2019-05-08	1.0	Base document