Shenzhen Chainway Information Technology Co., Ltd

R1 Dual Protocol Card Sender User Manual

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1. Appearance

2. Connection

R1 HF/UHF card sender could be connected with PC by USB cable.

3. Operation

R1 is an HF/UHF card sender device. Its working principle is to write data information into the tag by application. After opening the windows C# application, connect and write data to the specified area of tag.

4. Function

4.1 UHF Read&Write

The write data function is used to write the data content of a single tag, and write to different storage areas and different address lengths. If the tag does not have a password, it can directly fill in the data content, and leave the access password blank; If the password is set, please enter the correct password to write.

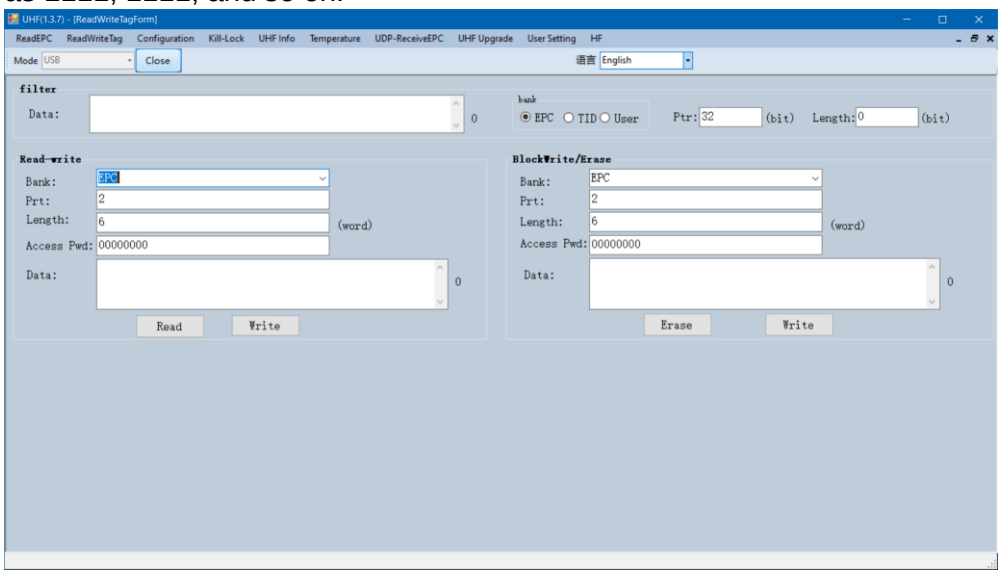
The read data function is used to read the data content of a single tag, and read different storage areas and different address lengths. If no password is set for the tag, you can directly fill in the data content, and leave the access password blank; If the password is set, please enter the correct password to read.

Description of the filter option:

The filter function is used to filter out tags other than the required content and only keep the tags of the required content during the tag identification process. It should be noted here that filter function is implemented through the air protocol, and other tag information will not be received by the UHF module, so the reading performance of the tag will not be affected after filtering.

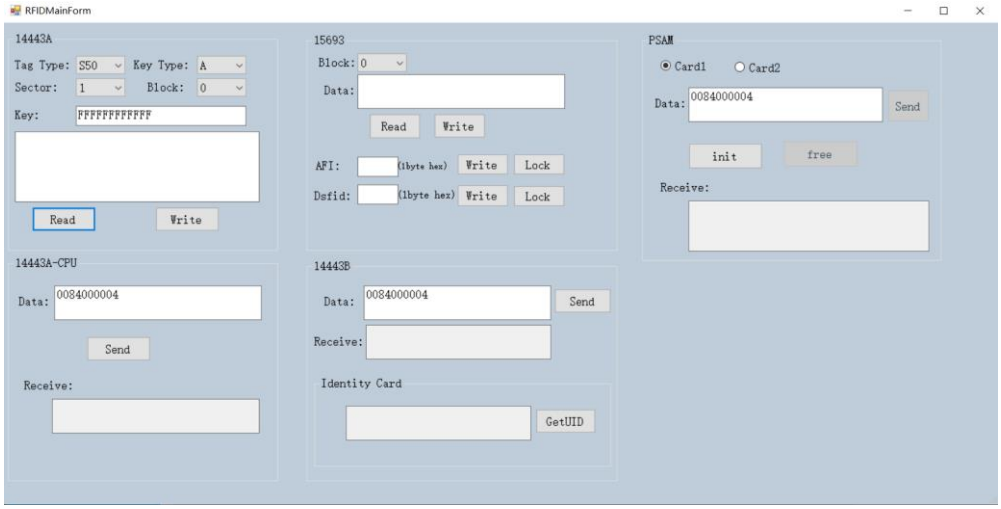
The address bit and length are used to set the filtering details. The EPC address starts from 32 (bit) by default, and the TID address starts from 0 (bit)

by default. The length needs to correspond to the data content. Since the tag adopts hexadecimal, every 4 bits of the length corresponds to one bit of the length. For example, if the length is set to 32 bits, the content is 8 bits, such as 1111, 1111, and so on.



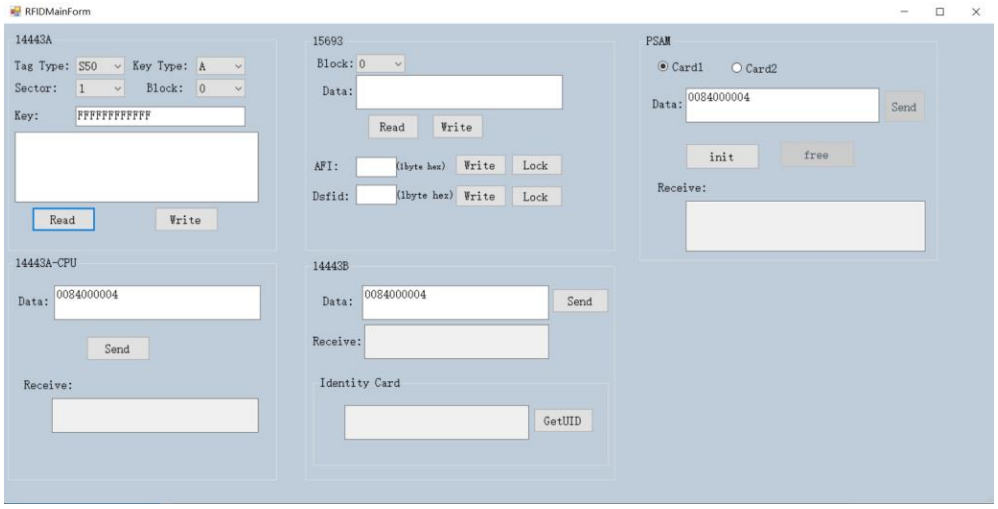
4.2 HF Read&Write

User could operate read&write function by 14443A\14443A-CPU\14443B\15693 protocol.



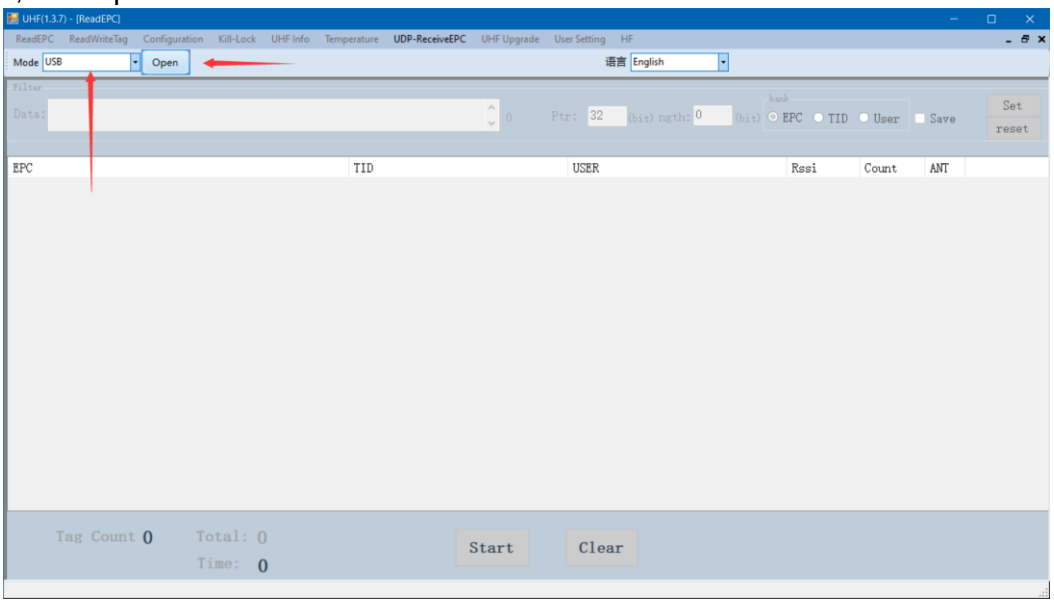
4.3 PSAM

PSAM is encryption module, which selects the corresponding mode for operation.



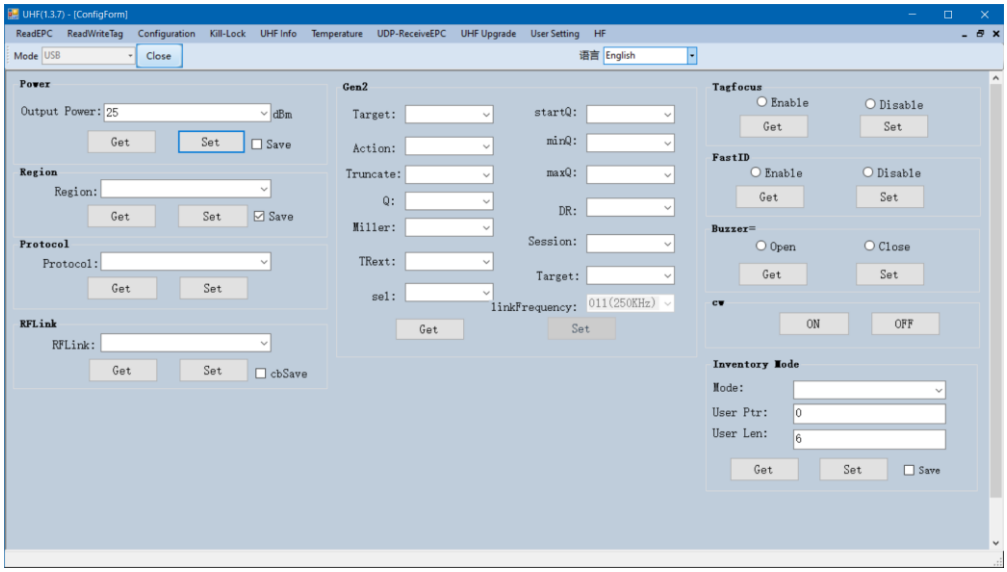
5. Settings

After connect device with PC, open exe UHFAPP and select connection mode as USB, click open.



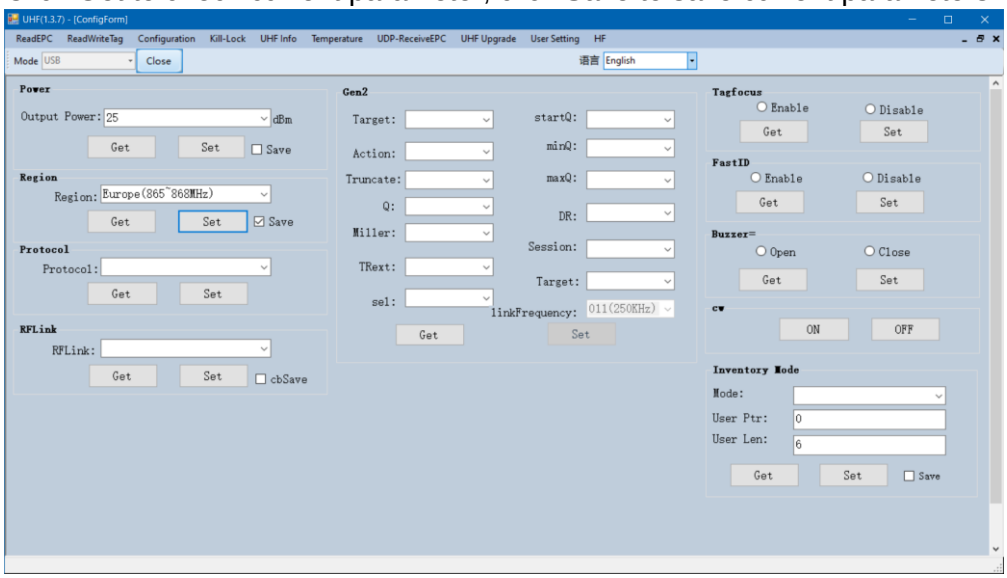
5.1 Output Power

The output power could select from 5-25dBm, click Set to confirm setup. Get button could be used to check current setup parameter. Click save button can save current settings.



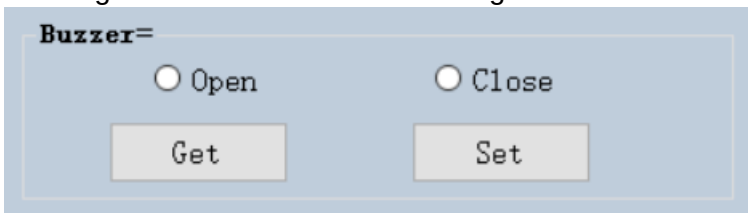
5.2 Region

Select UHF frequencies for different countries, click Set to confirm setup. Click Get to check current parameter, click Save to save current parameters.



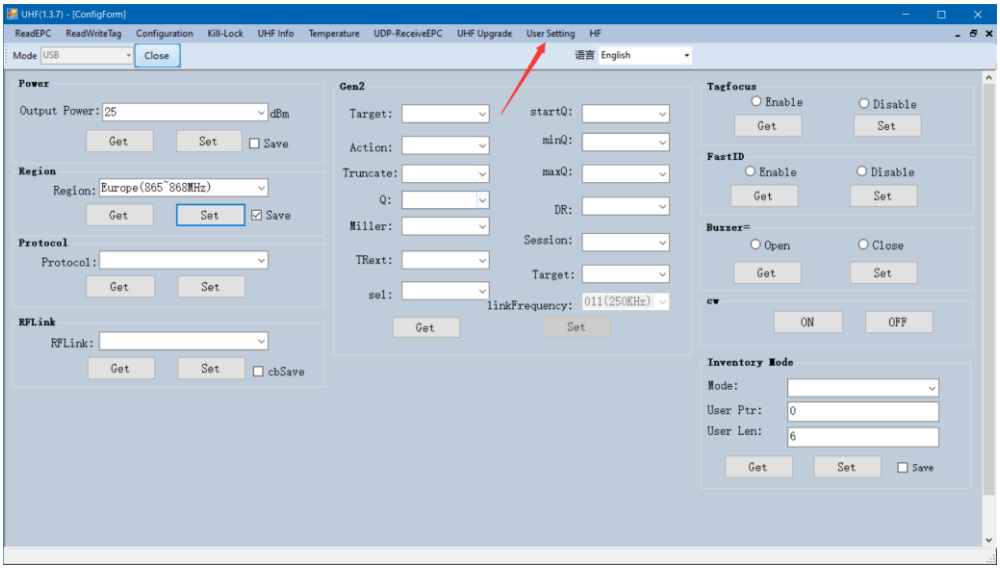
5.3 Buzzer

Select Open or Close, and click set to enable or disable the buzzer. The get button gets whether the current setting is enabled or disabled.



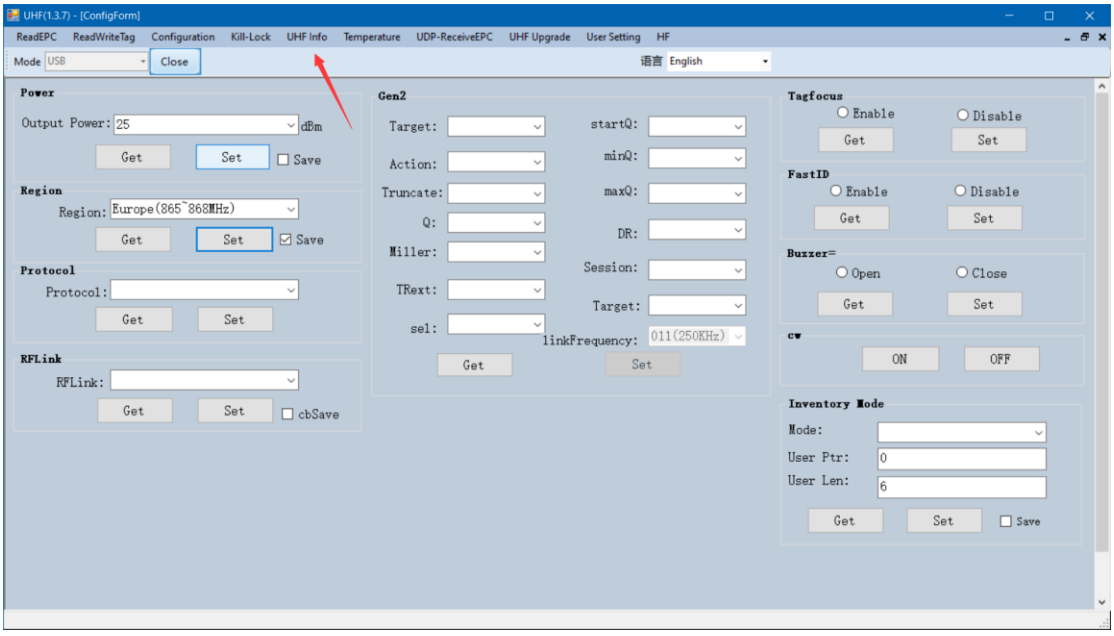
5.4 User Settings

Other special customization functions are configured in user setting. The customization functions are not described here.



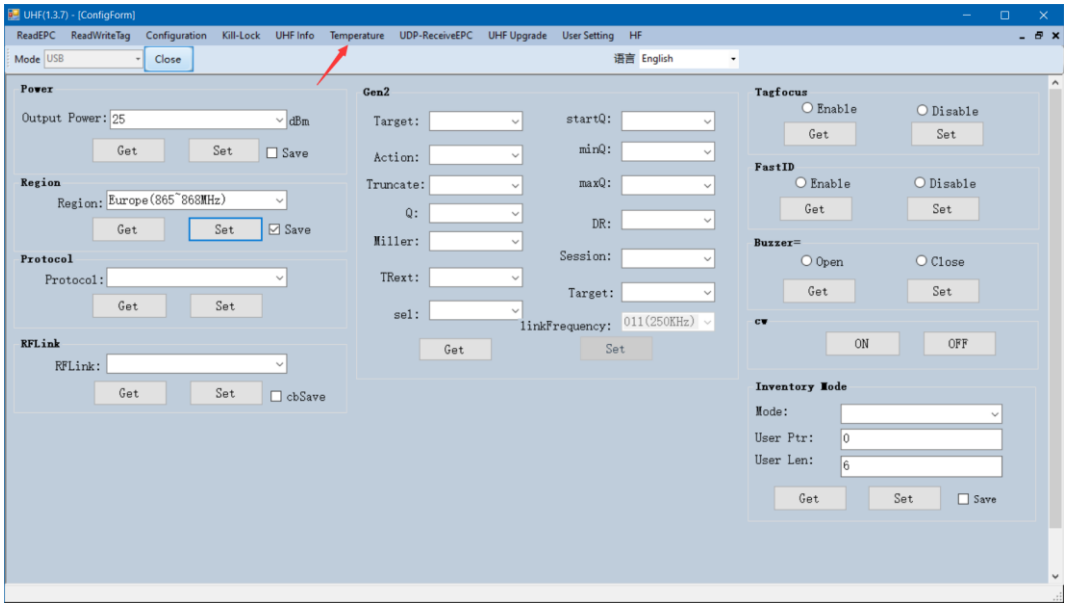
6. UHF Infor

Click UHF Infor could check current UHF firmware version.



7. Temperature

Click Temperature could check current temp. of module.


UHF(1.3.7) - [ConfigForm]
ReadEPC
ReadWriteTag
Configuration
Kill-Lock
UHF Info
Temperature
UDP-ReceiveEPC
UHF Upgrade
User Setting
HF
Mode
USB
Close
语言
English
Power
Output Power:
25
dBm
Get
Set
Save
Region
Region:
Europe(865~868MHz)
Get
Set
Save
Protocol
Protocol:
Get
Set
RFLink
RFLink:
Get
Set
cbSave
Gen2
Target:
Action:
Truncate:
Q:
Miller:
TRext:
sel:
Get
startQ:
minQ:
maxQ:
DR:
Session:
Target:
linkFrequency:
011(250KHz)
Set
Tagfocus
Enable
Disable
Get
Set
FastID
Enable
Disable
Get
Set
Buzzer=
Open
Close
Get
Set
cw
ON
OFF
Inventory Mode
Mode:
User Ptr:
0
User Len:
6
Get
Set
Save