SHENZHEN CHAINWAY INFORMATION TECHNOLOGY CO., LTD

Desktop UHF Reader

R3 User Manual

Statement

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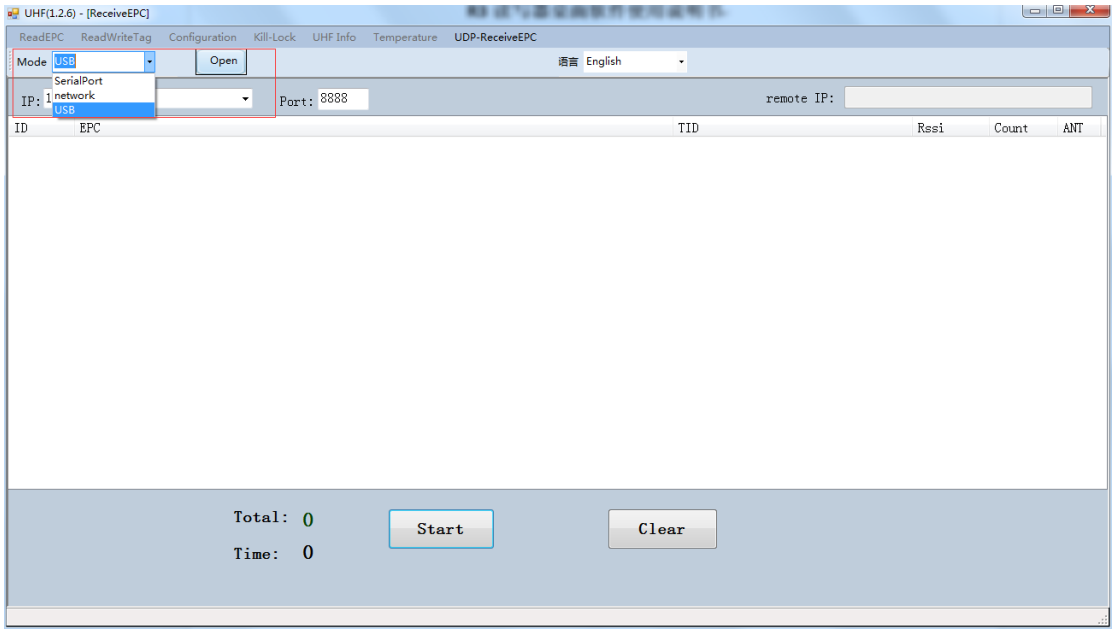
Chapter 1 Connection

Open software in your PC, select USB in Mode, connect R3 through USB line, after driver has finished installation, click “Open” as Pic.1-1.



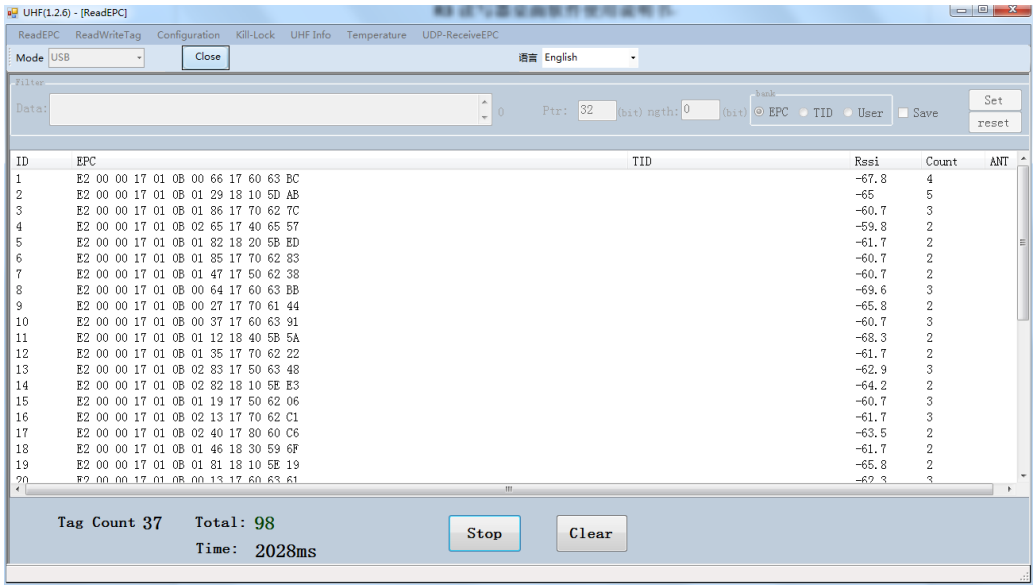
Pic 1-1

Chapter 2 Read EPC

Select ReadEPC on top of navigation bar.

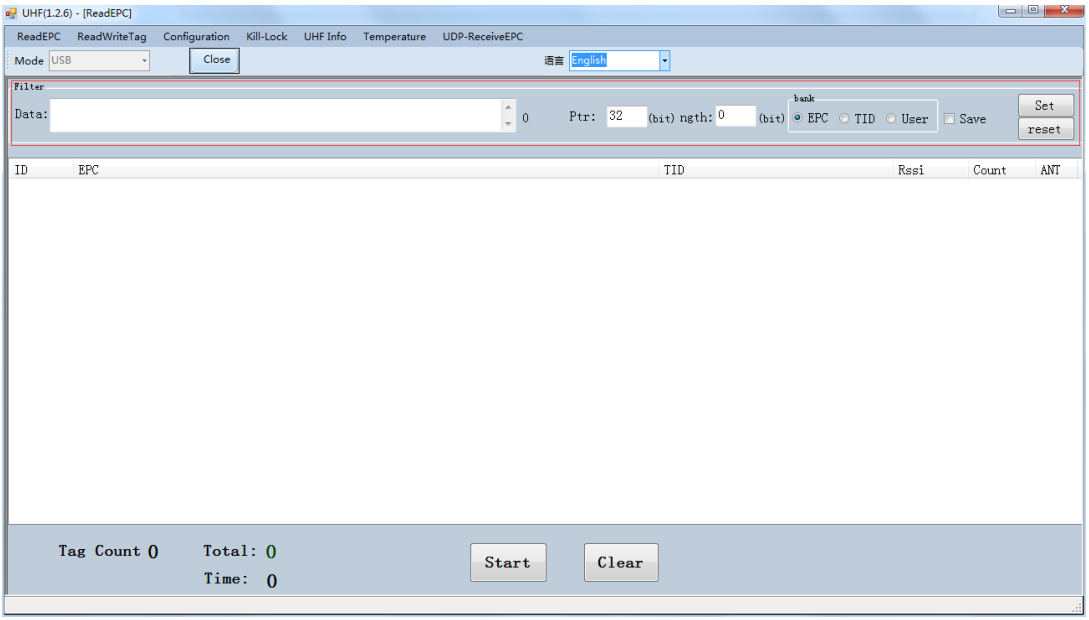
2.1 Start Reading EPC

Click “Start” to read EPC, EPC, TID, Rssi and Count data will show up in blank area in Pic.2-1. Click “Stop” to stop EPC reading.



2.2 Filter

Filter function can be selected to filter tag that has been read, including start address(Ptr), length. EPC, TID, USER areas can be selected. Click “Save” to save current parameters, click “Reset” to reset module to default. As Pic.2-2.



Chapter 3 Read and Write Tag

3.1 Read Tag

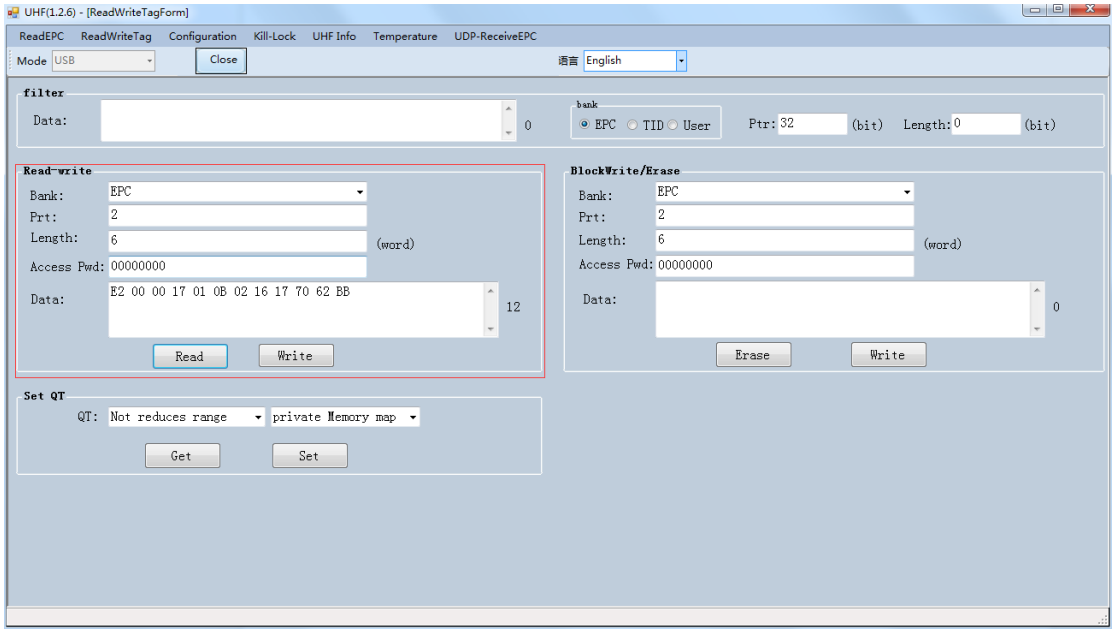
RESERVED, EPC, TID and USER areas can be selected to read data in each area and start address(Ptr) and data length(Len) can be adjusted. Default access password is 00000000, click “Read” to read data as Pic.3-1.

3.2 Write Tags

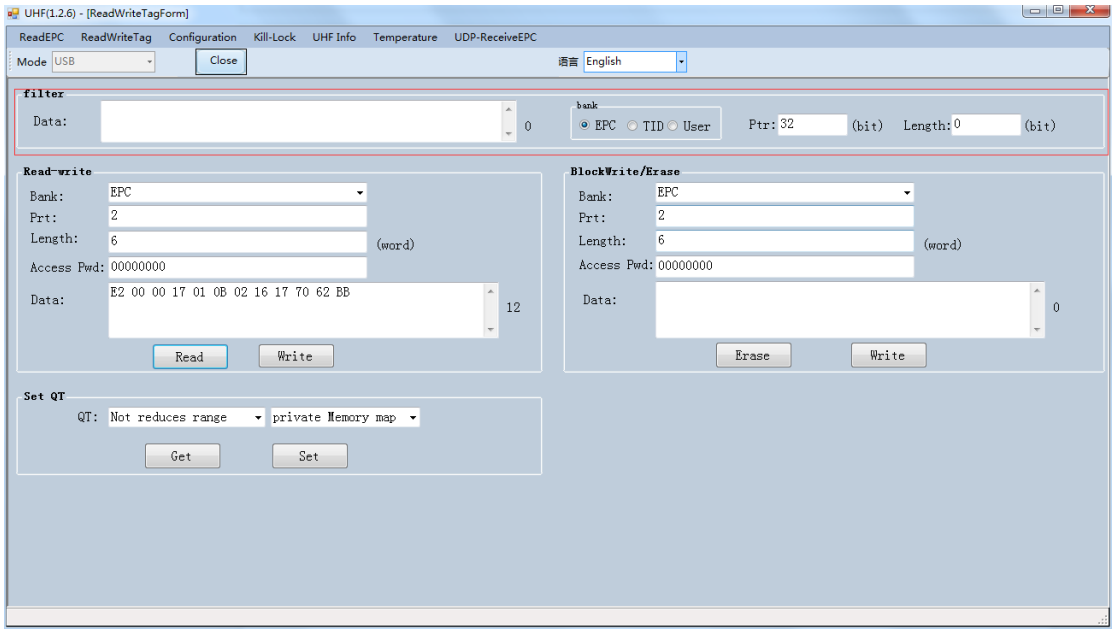
There are four block areas for each tag (RESERVED, EPC, TID and USER), user could setup start address(Ptr) and data length(Len), input default access password 00000000 and hex value, then click “Write” to write data as Pic.3-1.

3.3 Filter

User could setup parameters in “Filter” to filter start address, data length and data of tags in EPC, TID and USER areas as Pic.3-2.


UHF(1.2.6) - [ReadWriteTagForm]
ReadEPC
ReadWriteTag
Configuration
Kill-Lock
UHF Info
Temperature
UDP-ReceiveEPC
Mode
USB
Close
语言
English
filter
Data:
0
bank
EPC
TID
User
Ptr:
32
(bit)
Length:
0
(bit)
Read-write
Bank:
EPC
Prt:
2
Length:
6
(word)
Access Pwd:
00000000
Data:
E2 00 00 17 01 0B 02 16 17 70 62 BB
12
Read
Write
BlockWrite/Erase
Bank:
EPC
Prt:
2
Length:
6
(word)
Access Pwd:
00000000
Data:
0
Erase
Write
Set QT
QT:
Not reduces range
private Memory map
Get
Set

Pic.3-1

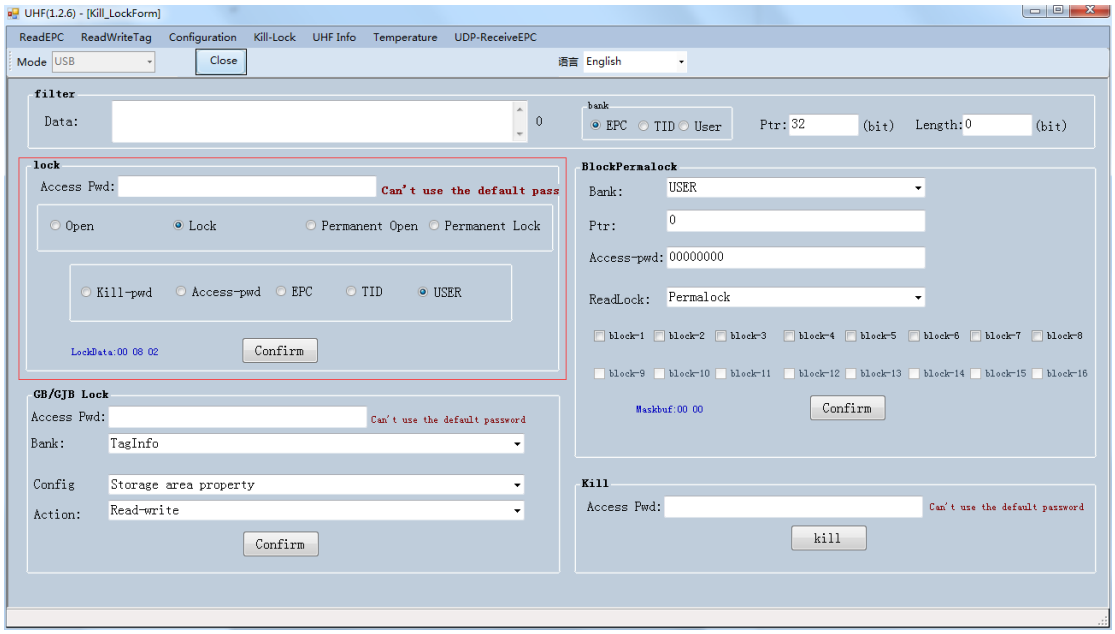

UHF(1.2.6) - [ReadWriteTagForm]
ReadEPC
ReadWriteTag
Configuration
Kill-Lock
UHF Info
Temperature
UDP-ReceiveEPC
Mode
USB
Close
语言
English
filter
Data:
0
bank
EPC
TID
User
Ptr:
32
(bit)
Length:
0
(bit)
Read-write
Bank:
EPC
Prt:
2
Length:
6
(word)
Access Pwd:
00000000
Data:
E2 00 00 17 01 0B 02 16 17 70 62 BB
12
Read
Write
BlockWrite/Erase
Bank:
EPC
Prt:
2
Length:
6
(word)
Access Pwd:
00000000
Data:
0
Erase
Write
Set QT
QT:
Not reduces range
private Memory map
Get
Set

Pic.3-2

Chapter 4 Lock and Kill Tag

4.1 Lock Tag

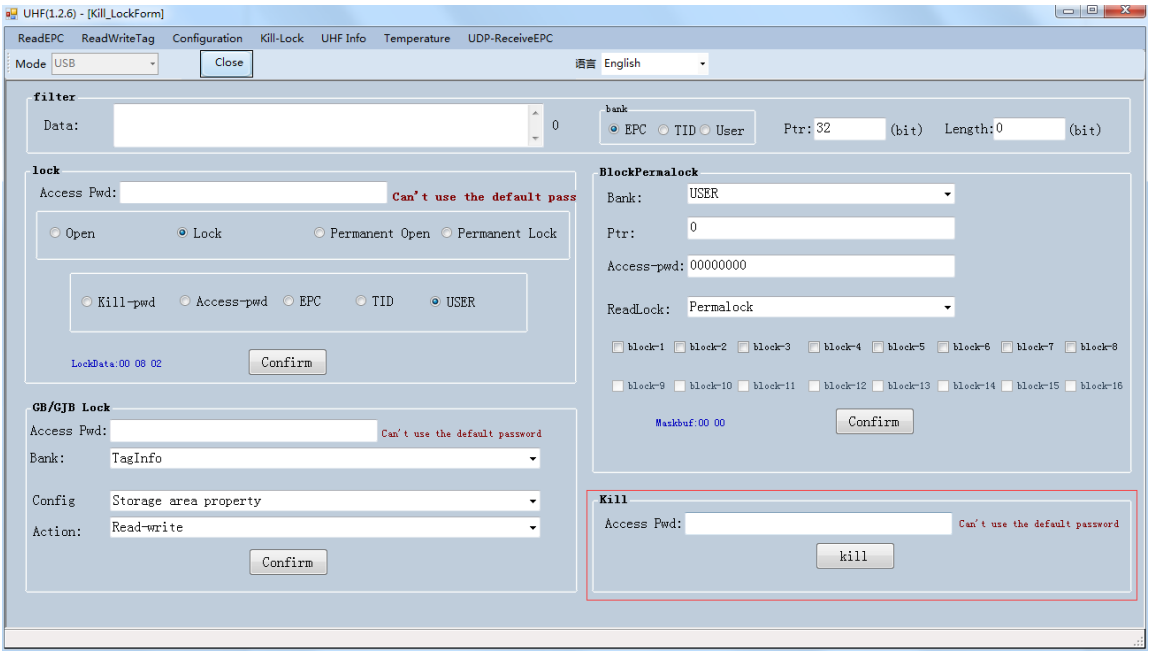
Enter access password of tag, and select options that need to be locked such as “Open”, “Lock”, “Permanent Open” and “Permanent Lock”, then select areas, click “Confirm” to lock tag as Pic.4-1.



Pic.4-1

4.2 Kill Tag

Enter access password of tag and click “Kill” button to destroy tag as Pic.4-3.



Pic.4-3

4.3 Filter

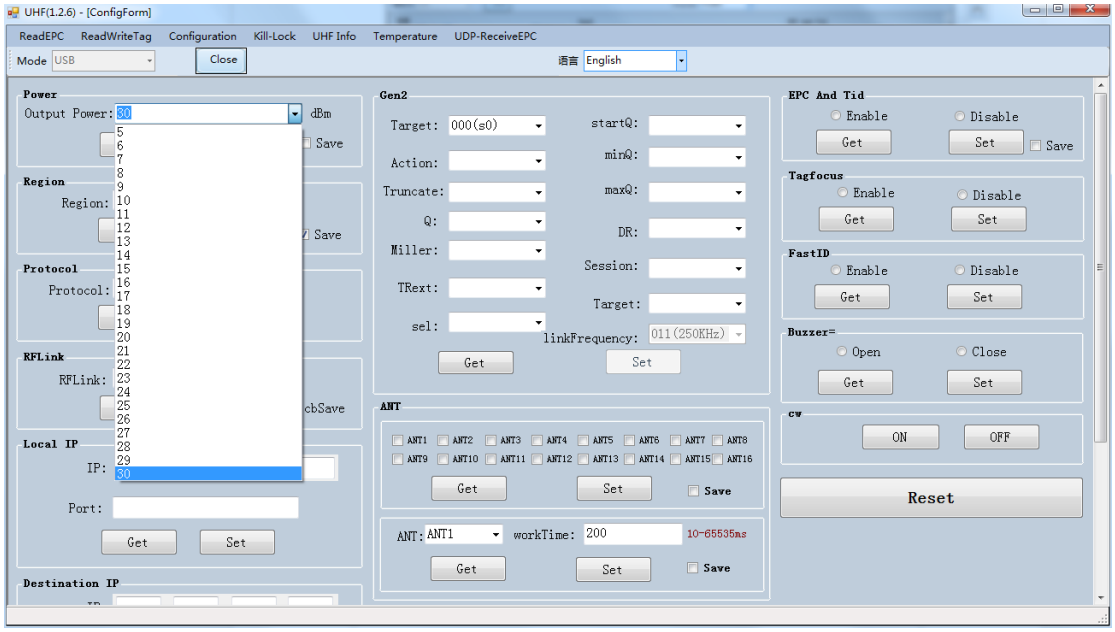
User could setup parameters to filter start address, data length and data for tags which locked and killed. Select EPC, TID and USER areas and setup length to 0 then clean data to disable filter.

Chapter 5 Setup

Click “Configuration” on top of navigation bar to enter setup.

5.1 Output Power

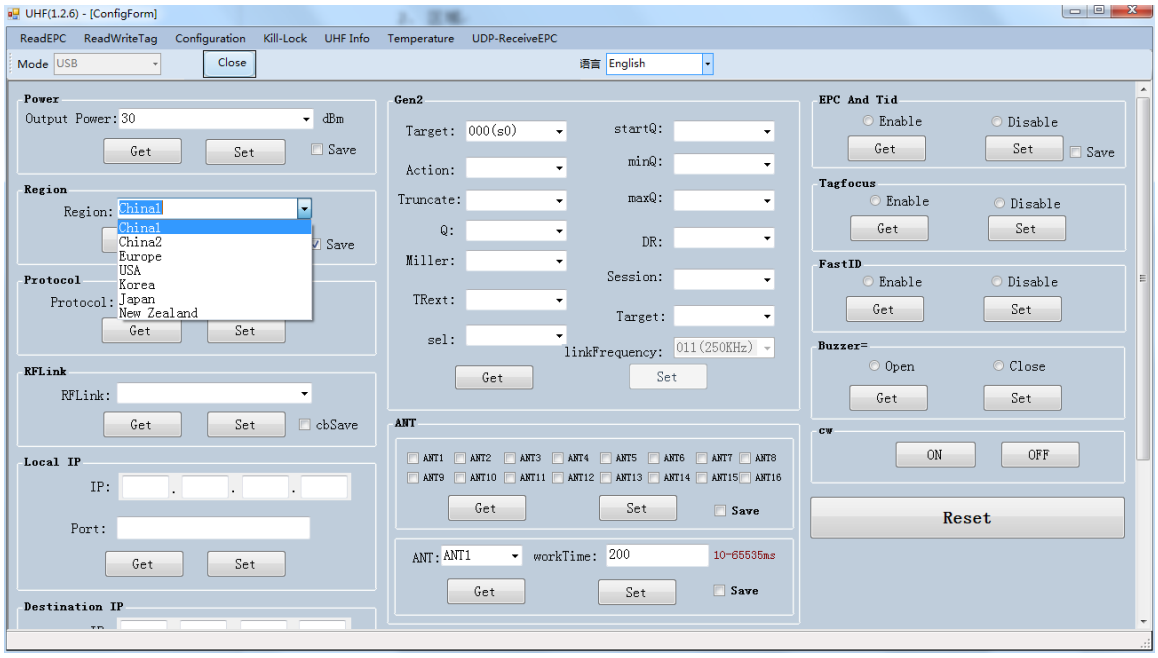
Output power can be adjusted from 5-30dBm, click “Set” to confirm power point; click “Get” to get current power of module. Select “Save” to save output power in module as Pic.5-1.



Pic.5-1

5.2 Region

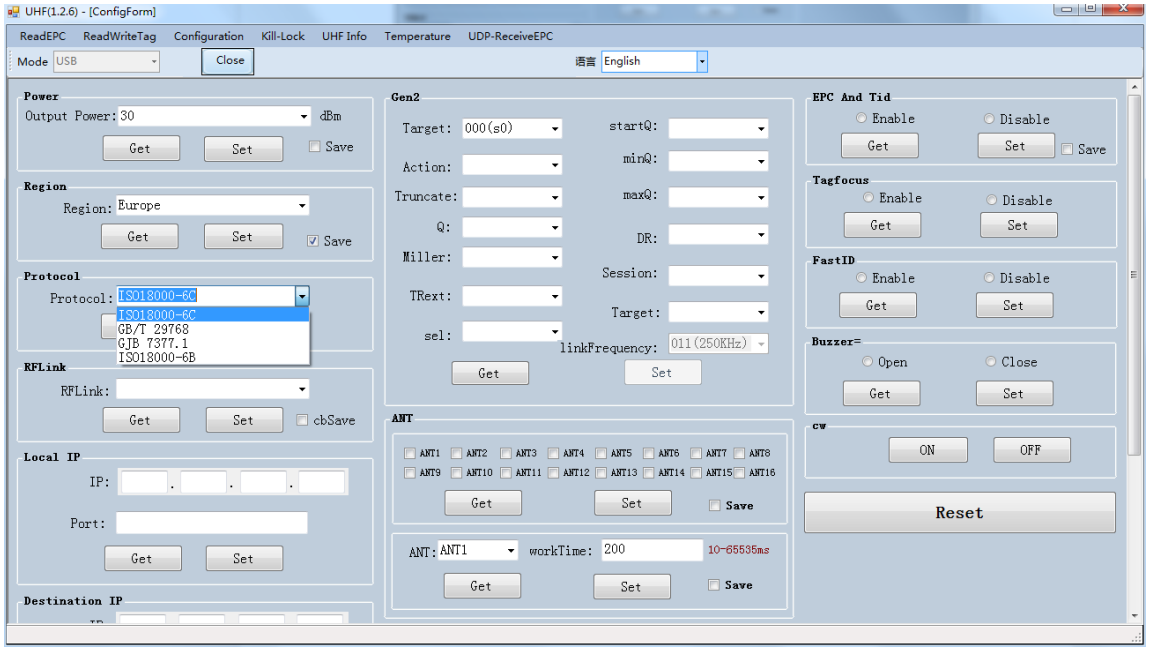
User could select UHF frequency band of multiple countries, click “Set” to confirm to setup frequency band, select “Save” to save current settings in module as Pic.5-2.


UHF(1.2.6) - [ConfigForm]
ReadEPC
ReadWriteTag
Configuration
Kill-Lock
UHF Info
Temperature
UDP-ReceiveEPC
Mode
USB
Close
语言
English
Power
Output Power:
30
dBm
Get
Set
Save
Region
Region:
China1
China2
Europe
USA
Korea
Japan
New Zealand
Protocol
Protocol:
RFLink
RFLink:
cbSave
Local IP
IP:
Port:
Destination IP
Gen2
Target:
000(s0)
Action:
Truncate:
Q:
Miller:
TRext:
sel:
startQ:
minQ:
maxQ:
DR:
Session:
Target:
linkFrequency:
011(250KHz)
ANT
ANT1
ANT2
ANT3
ANT4
ANT5
ANT6
ANT7
ANT8
ANT9
ANT10
ANT11
ANT12
ANT13
ANT14
ANT15
ANT16
ANT:
workTime:
200
10-65535ms
EPC And Tid
Enable
Disable
Tagfocus
FastID
Buzzer=
Open
Close
cw
ON
OFF
Reset

Pic.5-2

5.3 Protocol

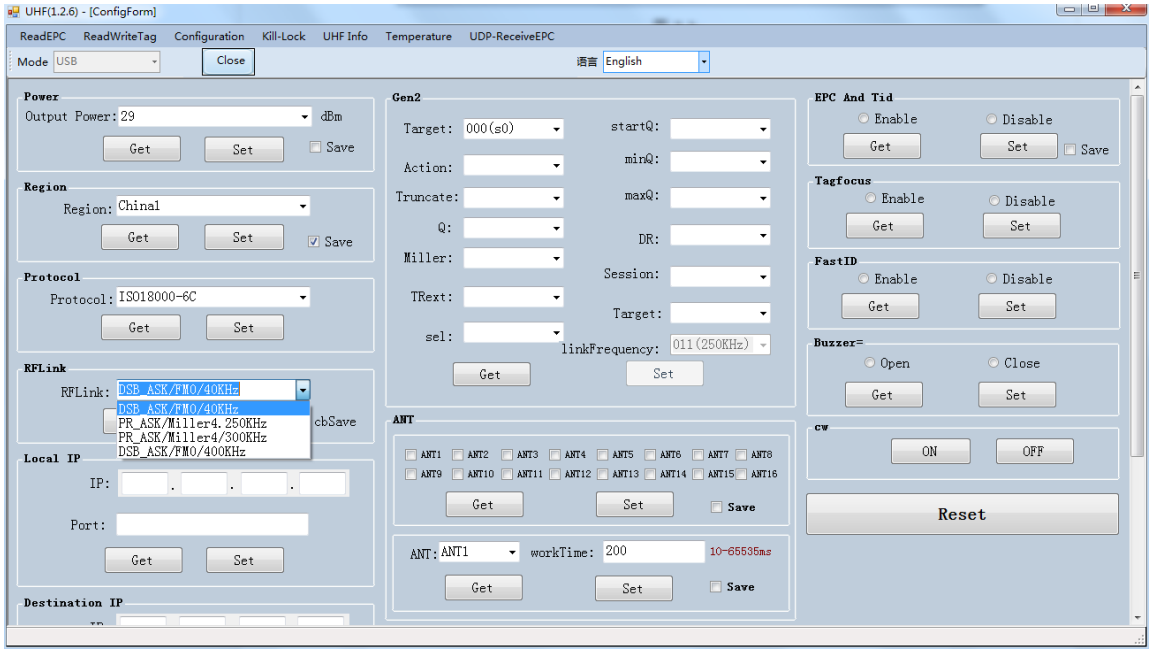
User could select 4 protocols, click “Set” to setup protocol and click “Get” to check current protocol of module as Pic.5-3.



Pic.5-3

5.4 RFLink

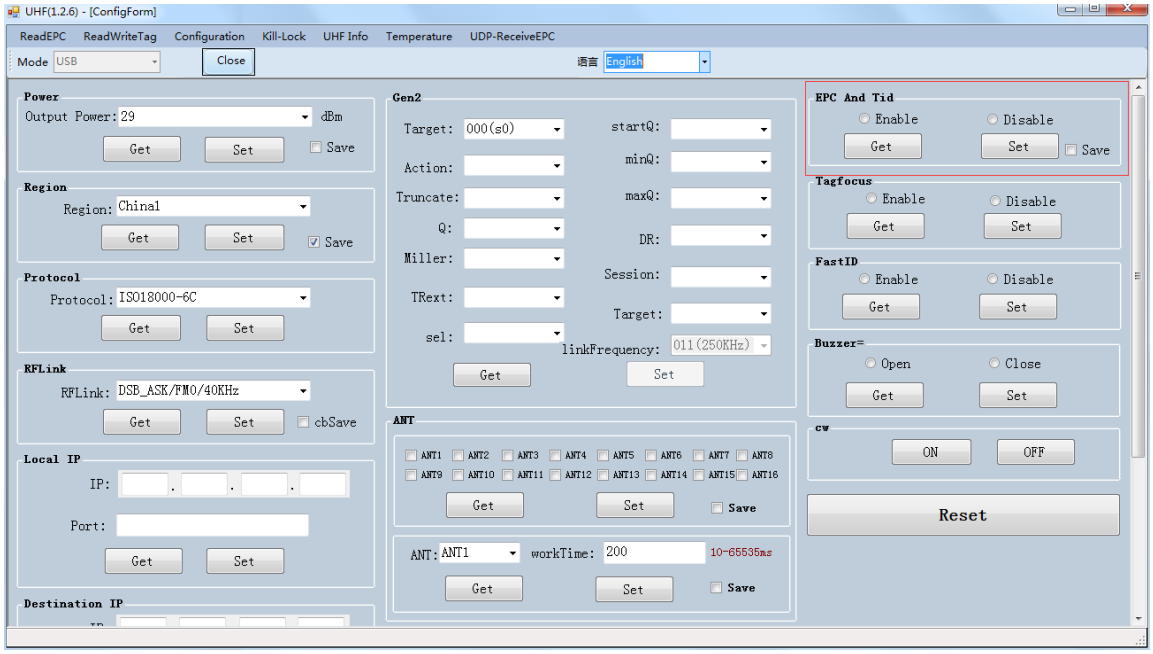
User could select 4 RF links, click “Set” to confirm setup RF link, click “Get” to check current RF link setup.



Pic.5-4

5.5 EPC+TID

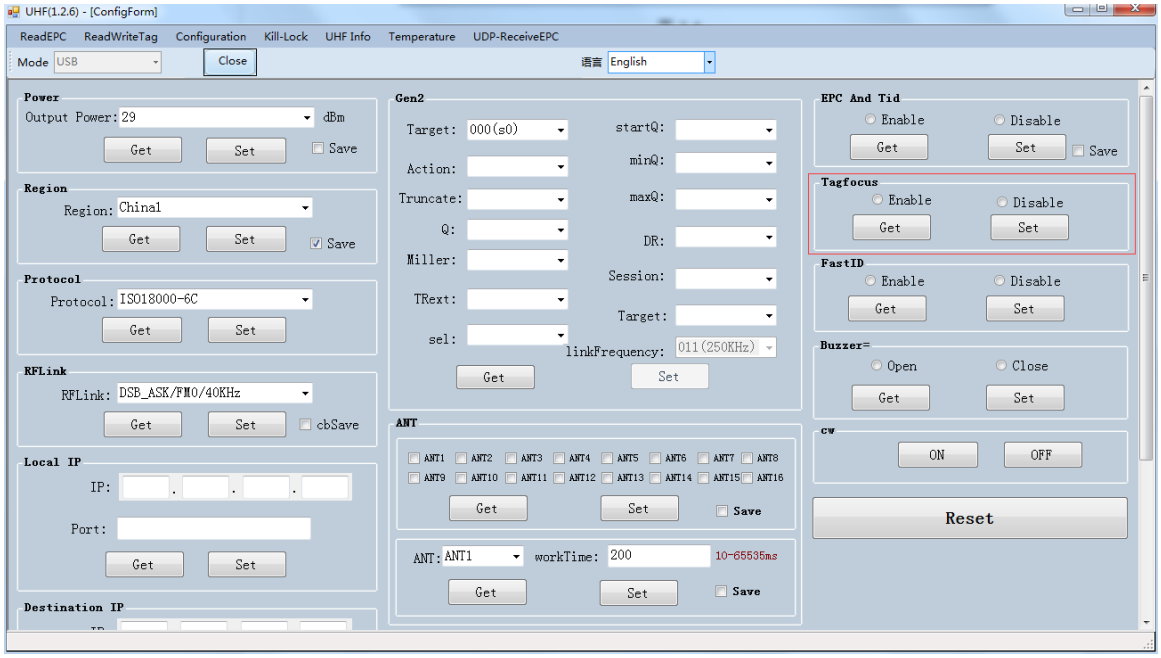
Select “Enable” or “Disable” and click “Set” to enable or disable EPC+TID mode. Click “Get” to check current status as Pic.5-5.



Pic.5-5

5.6 Tag Focus

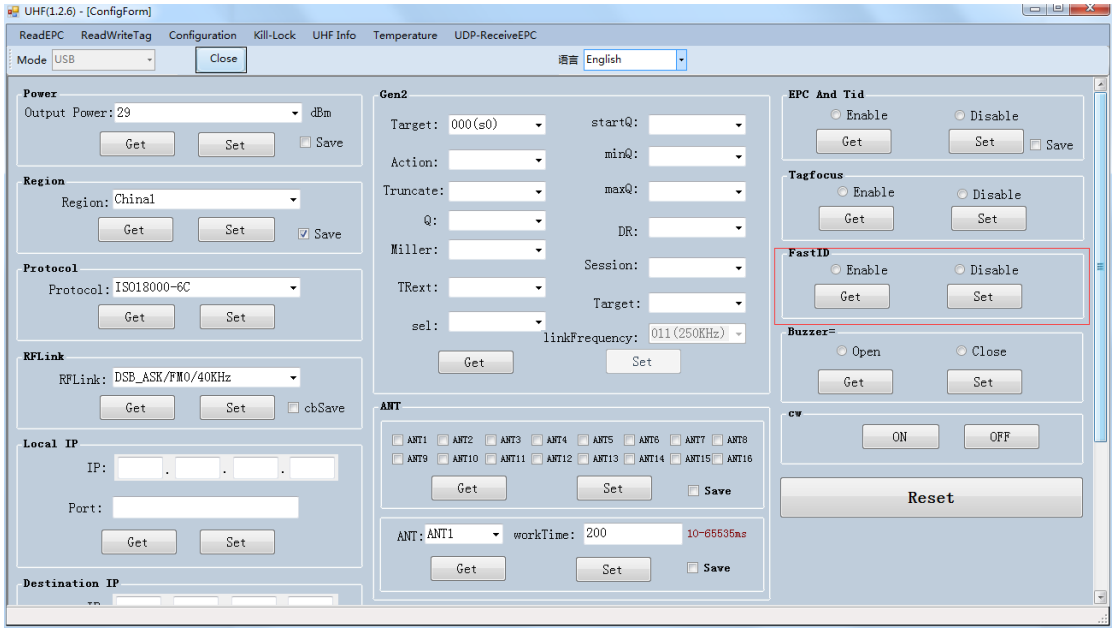
Select “Enable” or “Disable” and click “Set” to enable or disable TagFocus mode. Click “Get” to check current status as Pic.5-6.



Pic.5-6

5.7 Fast ID

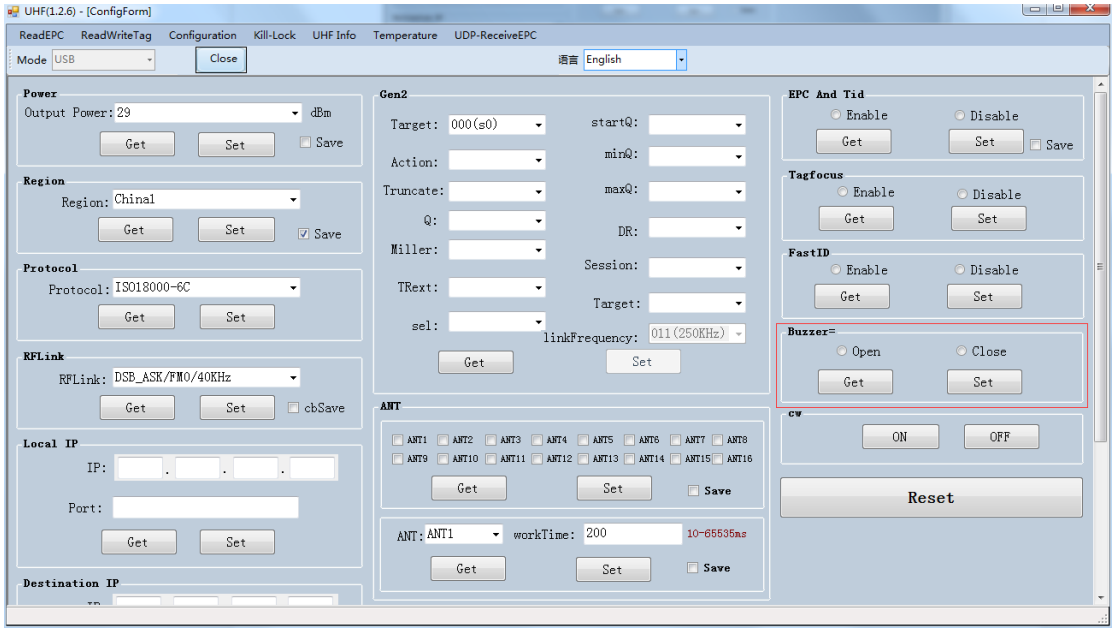
Select “Enable” or “Disable” and click “Set” to enable or disable FastID mode. Click “Get” to check current status as Pic.5-7.



Pic.5-7

5.8 Buzzer

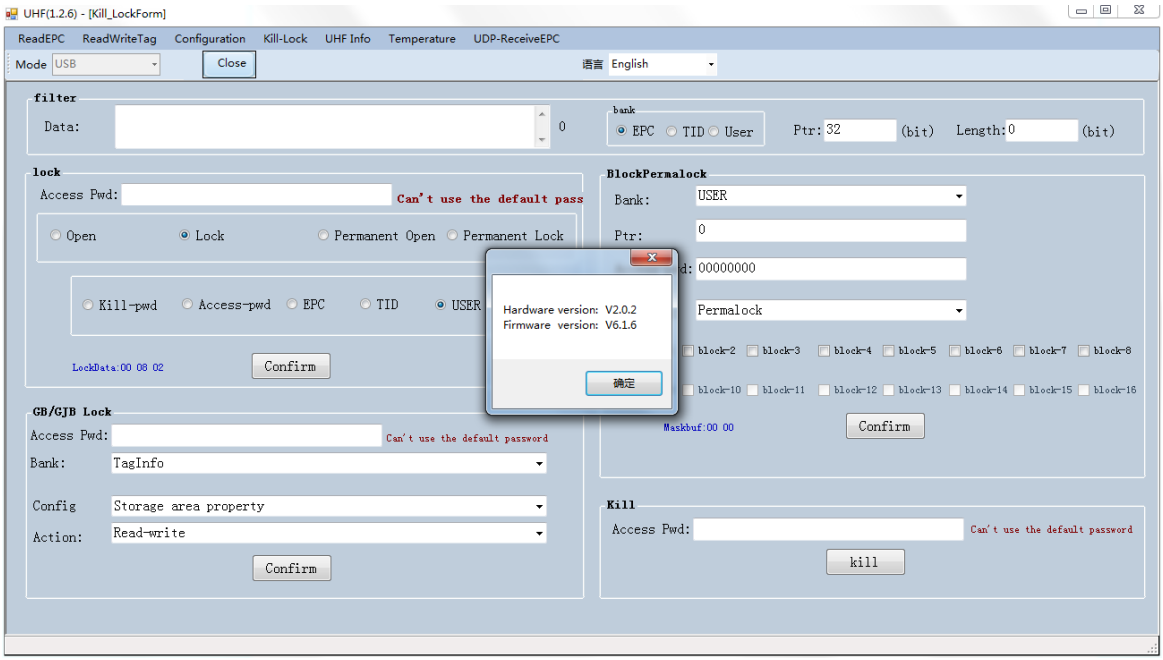
Select “Enable” or “Disable” and click “Set” to enable or disable buzzer. Click “Get” to check current status as Pic.5-8.



Pic.5-8

6. UHF Infor

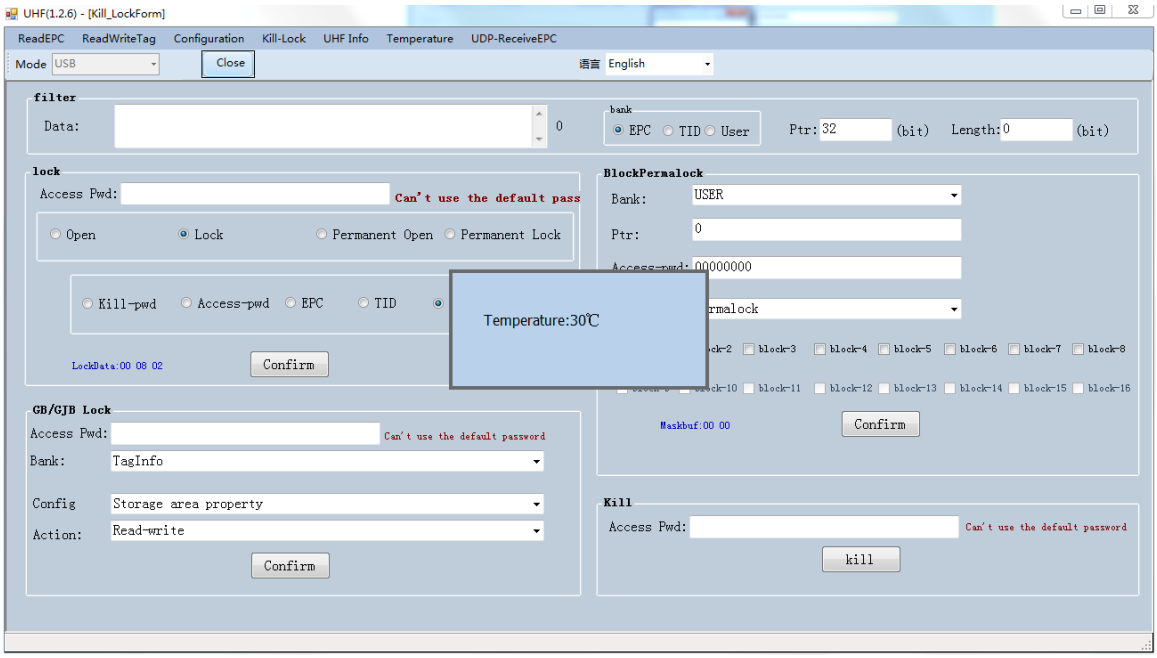
Click “UHF Infor” on top of navigation bar to check hardware version and firmware version as Pic.6-1.



Pic.6-1

7. Temperature

Click “Temperature” on top of navigation bar to check current temperature value of module as Pic.7-1.



Pic.7-1