Quick Guide to Desktop UHF Reader

Thank you for purchasing our UHF Reader U6-CU-91 or U1-CU-71. This device is a desktop UHF reader writer for reading UHF tags working on 860-960MHz and compliant with ISO 18000-6c and EPC global Class 1 Gen 2.

Here's a quick guide for you to take use of the device with ease. For more advanced guide, please reach out via market@fongwah.com or leaving messages on Amazon platform.

To read the tag's EPC code:

Step 1 Connect the reader to PC, then open an editor (e.g. notepad or spread sheet etc)

Step 2 Place the tag on the reader and get the EPC code

Note: The default setting of the reader is to read the EPC codes via keyboard emulator output in 32 digit codes (which is 16 byte length).

Step 3: Open an editor (e.g. notepad or spread sheet etc)

Step 4: Tag the tag on the reader and get the EPC codes

For changing the settings like length of digit codes or writing data using the device, user is to operate with the help of our configuration program with the name of "**UHF Reader Config V1.1**".

The program is accessible from the CD or from the link below:

U6-CU-91 Reader https://en1.fongwah.com/products/UHF-U2-reader

U1-CU-71 Reader https://en1.fongwah.com/products/UHF-U1-CU-71%20reader

Reminder: For each set up, make sure to click 'Set'. 'Get' key is for user to check if the current value is correct.

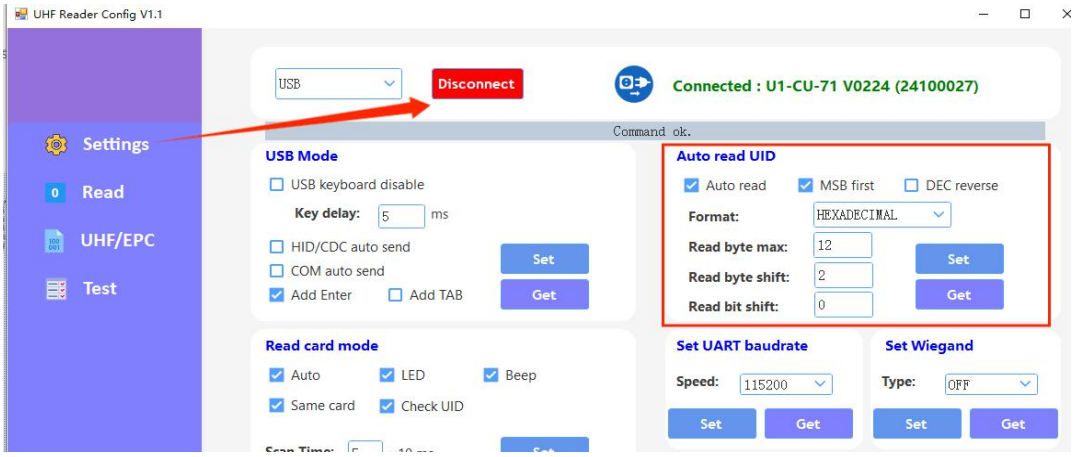
To change the default settings:

(Take the length of digit codes for example)

Step 1. Connect the reader to PC and open the program file "**UHF Reader Config V1.1**"

Step 2. On the page of 'Settings', click the green key 'Connect' and turn it to red color.

Step 3. Change the value on the 'Auto read UID' as the below screenshot, and click 'Set'. Then the digit codes has turned to 24 digits.

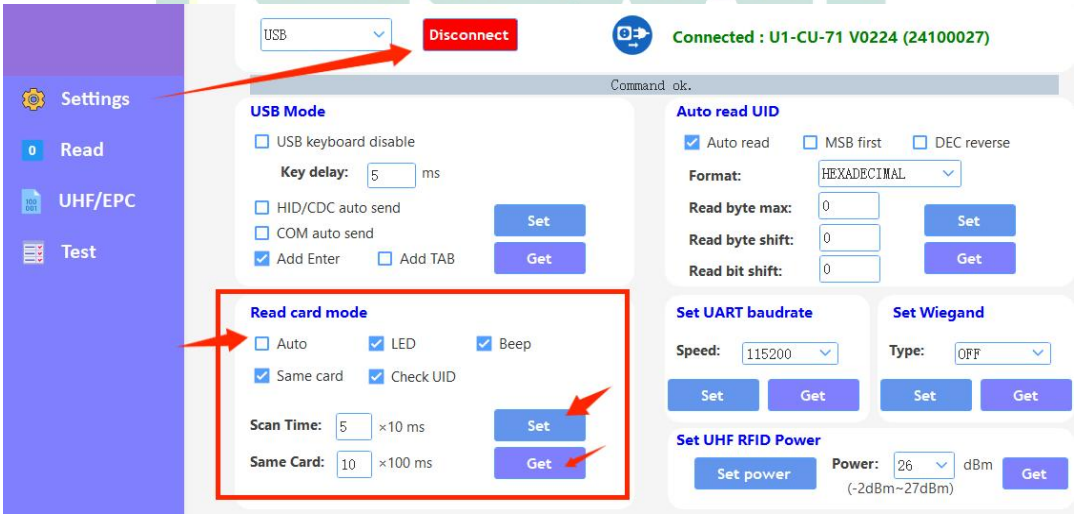


To write data into a tag:

(Take Alien H3 tag for example)

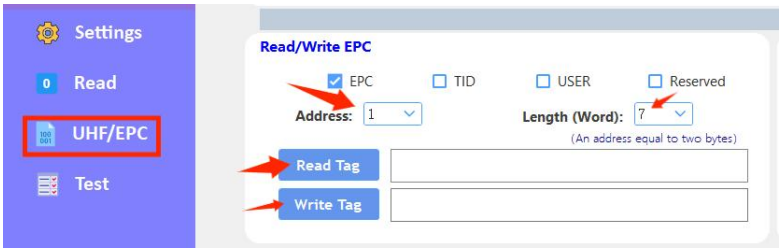
Step 1. Connect the reader to PC and open the program file "**UHF Reader Config V1.1**".

Step 2. On 'Settings' page, check 'Auto' in 'Read card mode'. Then click 'Set' to disable the default keyboard emulation output.



Step 3. On 'UHF/EPC' page, set 'Address' to value 2 and 'Length (Word)' to value 6. Then click 'Read Tag'

Step 4. On ‘UHF/EPC’ page, set 'Address' to value 2 and 'Length (Word)' to value 6. Put down the EPC on the box then click 'Write Tag'.



Note: for other chip tags, the Write EPC value may not be the same.

To read tags in small amount simultaneously:

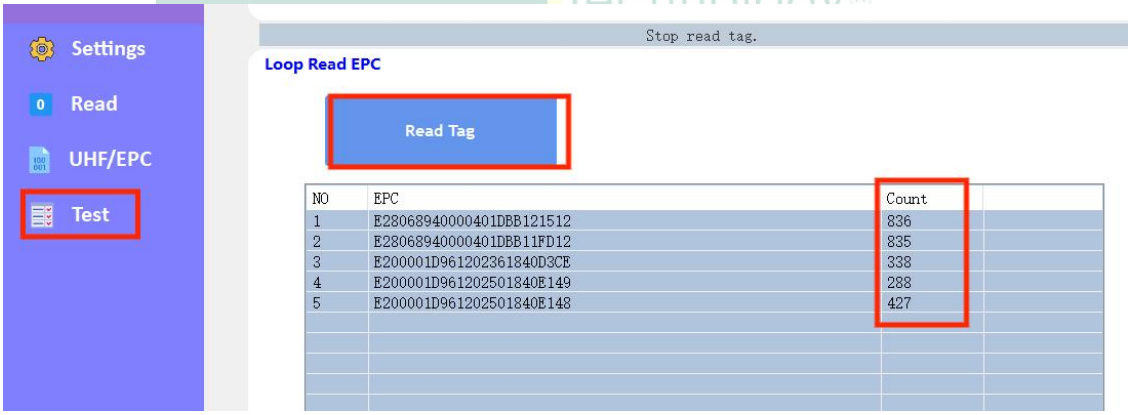
This function currently is exclusive to U6-CU-91 reader.

Step 1. Connect the reader to PC and open the program file "**UHF Reader Config V1.1**".

Step 2. Place about 5 UHF tags on the reader at a time

Step 3. On 'Test' page, click 'Read Tag' and here comes the page below.

(If users do not click ‘Stop Read Tag’, the reader will not stop reading tags and the ‘Count’ numbers keep accumulating.)



FAQs

Question 1: I would like to use your device to read the data of my tags and then copy the data into a new tag. How can I do that?

Answer 1: You could follow the steps of To write data a tag. You can copy the old tag' EPC code and write the same code into an empty tag.

Note: Make sure you are using the same chip type to copy your old tag because for different chips, the 'Address' and 'Length(Word)' values might not be the same.

Question 2: Our readers are configured to use a 24 digit code while your reader is delivering a 36 digit codes. How can I configure it?

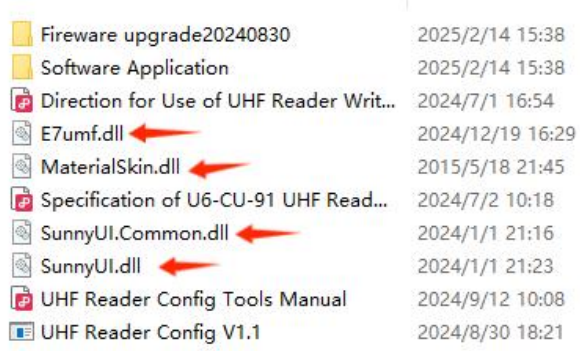
Answer 2: You could follow the steps of To change the default settings directly.

For other EPC lengths, change the settings accordingly.

Question 3: I've tried to use your UHF reader but your configuration tool does not work. It always hangs up when I click the connect button. Do you have a tip for me?

Answer 3: Here are some possible measures you could take.

Firstly, check if the configuration tool is blocked by the PC's anti-virus software. Make it unblocked. Secondly, review if you have all the DLL files in the PC when running the tool; Thirdly, try another PC or change other USB port.



Question 4: I am not sure of which chip my tags are using. Is your reader able to find out?

Answer 4: Sure. If you would like to tell the chip of UHF tags, you could follow the instruction below:

Step 1. Connect the reader to your PC and then open the configuration tool 'UHF Reader Config V1.1'

Step 2. Click 'UHF/EPC' page, check the box 'TID' and set 'Lengh (Word)' value to 8.

Step 3. Place the UHF tag on the reader and click 'Read Tag'

(If you do not get the TID code from the reader, change the Length value to 7, 6, 5... and try again until you get the code. With the TID code, you could trace the chips.