

WRD-130-U1

Config Tools

Manual

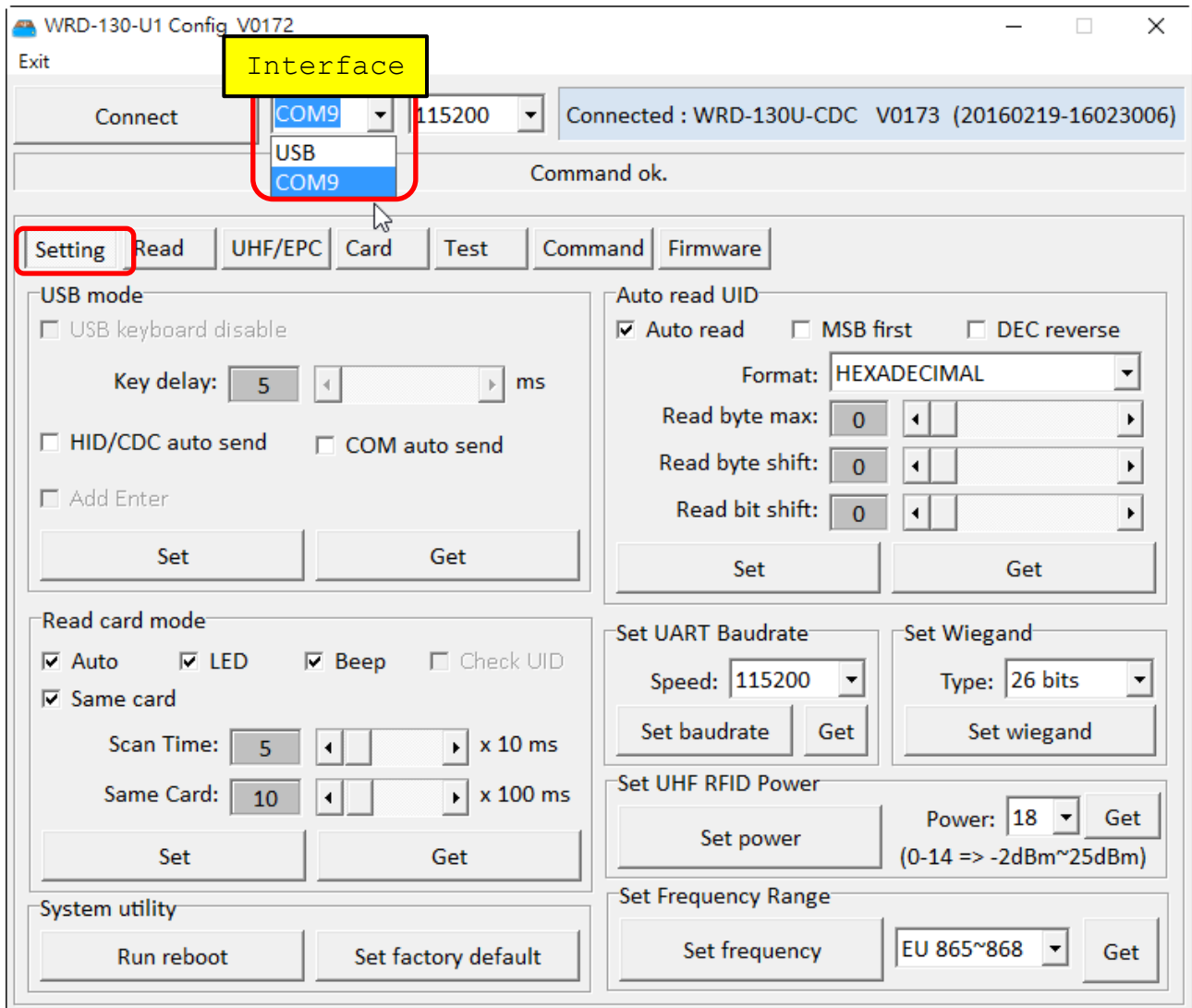
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I、Screen function introduction

■ Setting : Parameter setting



HID/CDC auto send : HID/CDC Automatically send data mode

COM auto send : RS232 Automatically send data mode

Read card mode : Card reader mode settings

Auto : Check the box enable automatic card reading

LED : Check the box enable automatic card reading LED , Beep : Check enable automatic card reading voice

Check UID : Check special cards feature is enabled

Same Card : Check the box enable the same card check (The same card is sent only once) In accordance with the same card

Scan Time : Reading interval

Auto read UID: Check Auto read Hou , Automatic reading EPC Send data when , Format change

Set UART Baudrate : RS232 Models adjust the communication speed

Set Wiegand : Dimensional models format

Set UHF RFID Power : Adjust power output / Reading distance

Set Frequency Range : Adjust the frequency range

■ Read : Read the settings

Automatically reads the volume label to the specified region data , Main purpose for reading TID Or write text data Contains EPC USER , Format and length in accordance with the requirements set

The screenshot displays the 'WRD-130-U1 Config V0172' application window. At the top, there is an 'Exit' button and a 'Connect' button. Below these are dropdown menus for 'COM9' and '115200', and a status bar indicating 'Connected : WRD-130U-CDC V0173 (20160219-16023006)'. A message box says 'Command ok.' Below this is a tabbed interface with tabs for 'Setting', 'Read', 'UHF/EPC', 'Card', 'Test', 'Command', and 'Firmware'. The 'Read' tab is selected and highlighted with a red box. Inside the 'Read' tab, there is a section titled 'Auto read data' with checkboxes for 'Auto read', 'MSB first', and 'ASCII'. To the right of these are spinners for 'Read byte max:' (set to 0) and 'Read bit shift:' (set to 0). Below this is a section titled 'UHF / EPC' with radio buttons for 'EPC' (selected), 'TID', and 'USER'. To the right of these is the text 'An address equal to two bytes'. Below this are spinners for 'Start address:' (set to 0) and 'End address:' (set to 3). At the bottom of the 'Read' tab are two large buttons: 'Set' and 'Get'.

■ UHF/EPC : EPC/eTag Read and write

The screenshot displays the 'WRD-130-U1 Config V0172' application window. At the top, there is a status bar showing 'Exit', 'Connect', a COM port dropdown set to 'COM9', a baud rate dropdown set to '115200', and a connection status 'Connected : WRD-130U-CDC V0173 (20160219-16023006)'. Below this is a 'Command ok.' status line. The main interface features a tabbed menu with 'Setting', 'Read', 'UHF/EPC' (highlighted with a red box), 'Card', 'Test', 'Command', and 'Firmware'. The 'UHF/EPC' tab is active, showing a 'Read/Write EPC' section. This section includes radio buttons for 'EPC' (selected), 'TID', and 'USER', with a note 'An address equal to two bytes'. Below these are input fields for 'Address:' (set to 0) and 'Length(Word):' (set to 4). There are checkboxes for 'Read Tag' and 'Write Tag'. The 'Write Tag' section shows a data field with '0000000000000000'. Below this is a 'Read/Write eTag' section with 'Read eTag Data:' and 'Write eTag Data:' fields, both containing '0000000000000000'. At the bottom of this section are buttons for 'Read eTag', 'Write eTag', and '+1'. A mouse cursor is visible at the bottom center of the window.

Card : Card set

WRD-130-U1 Config V0172

Exit

Connect COM9 115200 Connected : WRD-130U-CDC V0173 (20160219-16023006)

Command ok.

Setting Read UHF/EPC **Card** Test Command Firmware

Function card manager

NO	UID	FUN	Descr
001	00000000	000	001 -> F1
002	00000000	000	002 -> F2
003	00000000	000	003 -> F3
004	00000000	000	004 -> F4
005	00000000	000	005 -> F5
006	00000000	000	006 -> F6
007	00000000	000	009 -> F9
008	00000000	000	010 -> F10
009	00000000	000	011 -> F11
010	00000000	000	012 -> F12
			013 -> Print Screen
			014 -> Scroll Lock
			015 -> Pause
			016 -> Insert
			017 -> Home
			018 -> Page Up
			019 -> Delete
			020 -> End
			021 -> Page Down
			022 -> Right Arrow

Function Card Code

Manager

Start No: 1

End No: 10

Read All Function Card

Write All Function Card

Clear All Function Card

Load Form File

Save To File

NO: 001

UID: 00000000

FUN: 000

Add Update

■ Test : Card reader test

WRD-130-U1 Config V0172

Exit

Connect COM9 115200 Connected : WRD-130U-CDC V0173 (20160219-16023006)

Command ok.

Setting Read UHF/EPC Card **Test** Command Firmware

Auto test reader

Set test mode

- 1. USB keyboard disable
- 2. Auto read card disable

Auto Run

- 1. Check reader card
- 2. Card read show UID and action

USB keyboard test

Set factory default

Reader action

☒ Beeper ☒ Red LED ☒ Green LED ☒ Yellow LED Time: 50 x 10ms Reader action

■ Command : Instruction test

WRD-130-U1 Config V0172

Exit

Connect COM9 115200 Connected : WRD-130U-CDC V0173 (20160219-16023006)

Command ok.

Setting Read UHF/EPC Card Test **Command** Firmware

Request data

STX INS { DATA : ex "00 02 01 05 01" }

02 91 0F 32 (Hex)

(Ascii)

Request (Hex): 02 91 0F 32

Time-out: 100 ms

Set Auto Read OFF

Set Auto Read ON

Request send

Response data

Response (Hex)

02 91 00

STX INS STA { DATA }

02 91 00 (Hex)

(Ascii)

■ Firmware : Firmware update

The screenshot displays the 'WRD-130-U1 Config V0172' application window. At the top, there is an 'Exit' button and a 'Connect' button. To the right of the 'Connect' button are two dropdown menus: 'COM9' and '115200'. Further right, a status bar indicates 'Connected : WRD-130U-CDC V0173 (20160219-16023006)'. Below this, a message box states 'Firmware load ok.'.

The main interface features a series of tabs: 'Setting', 'Read', 'UHF/EPC', 'Card', 'Test', 'Command', and 'Firmware'. The 'Firmware' tab is currently selected and highlighted with a red rectangle.

Under the 'Firmware' tab, the 'Firmware upgrade' section contains the following fields:

- 'Firmware type:' with a dropdown menu set to 'WRD-130U-KEY'.
- 'Firmware version:' with a dropdown menu set to '0172'.
- 'Firmware file path:' with a text field containing 'X:\work\wingsafe\WRD-130\WRD-130_SDK_V0170\WRD-130-U1_SDK_V0172\F'.

Below these fields is a large rectangular area with a dashed border and the text 'Select firmware file'. A mouse cursor is visible over this area.

Underneath the file selection area is an 'Upgrade progress:' label followed by a progress bar.

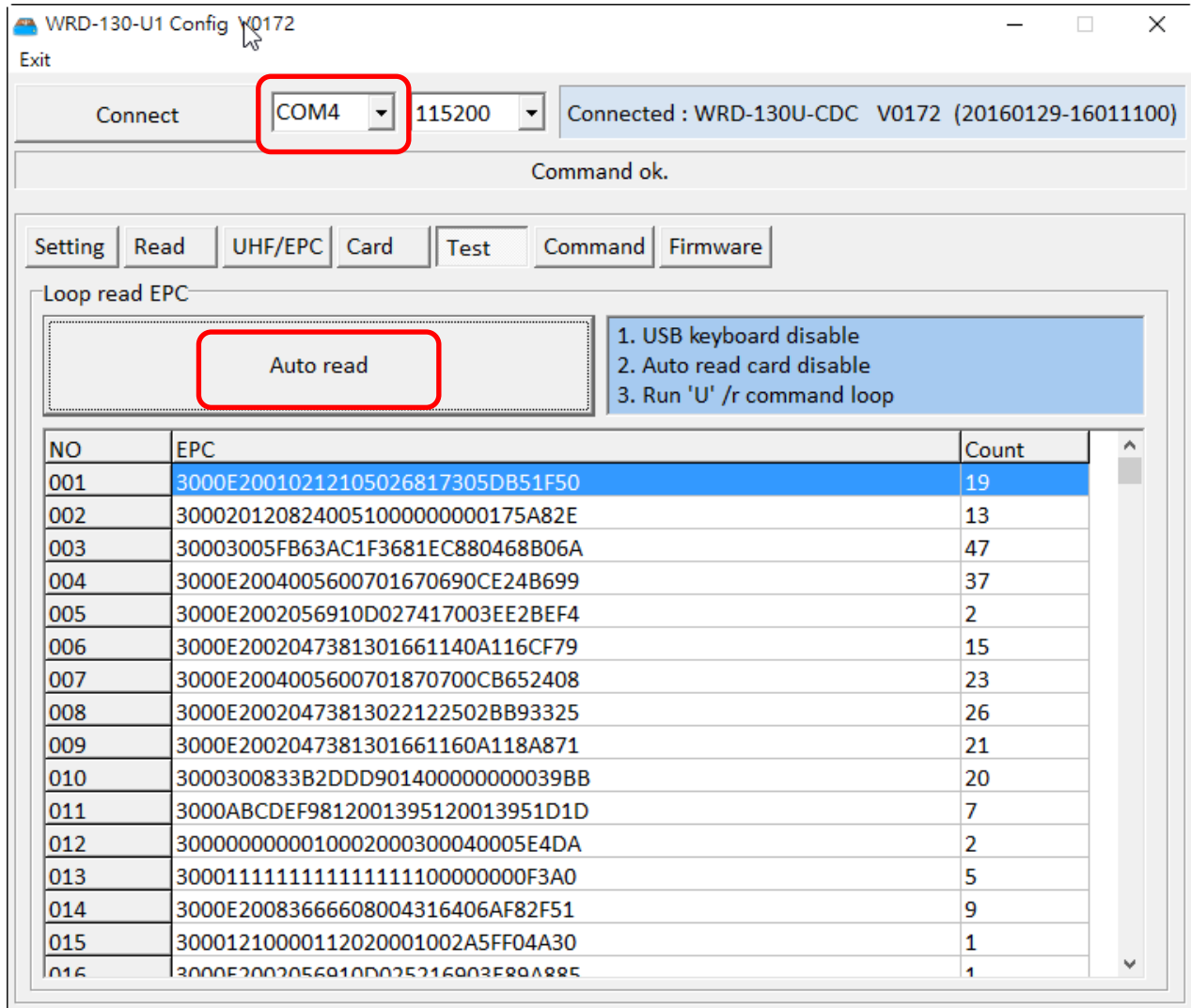
At the bottom of the 'Firmware upgrade' section is a large rectangular button labeled 'Start firmware upgrade'.

II 、Multi card reader test

Please replace the machine firmware with CDC (WRD-130-U1-CDC_V017x.wfw) It can be used.

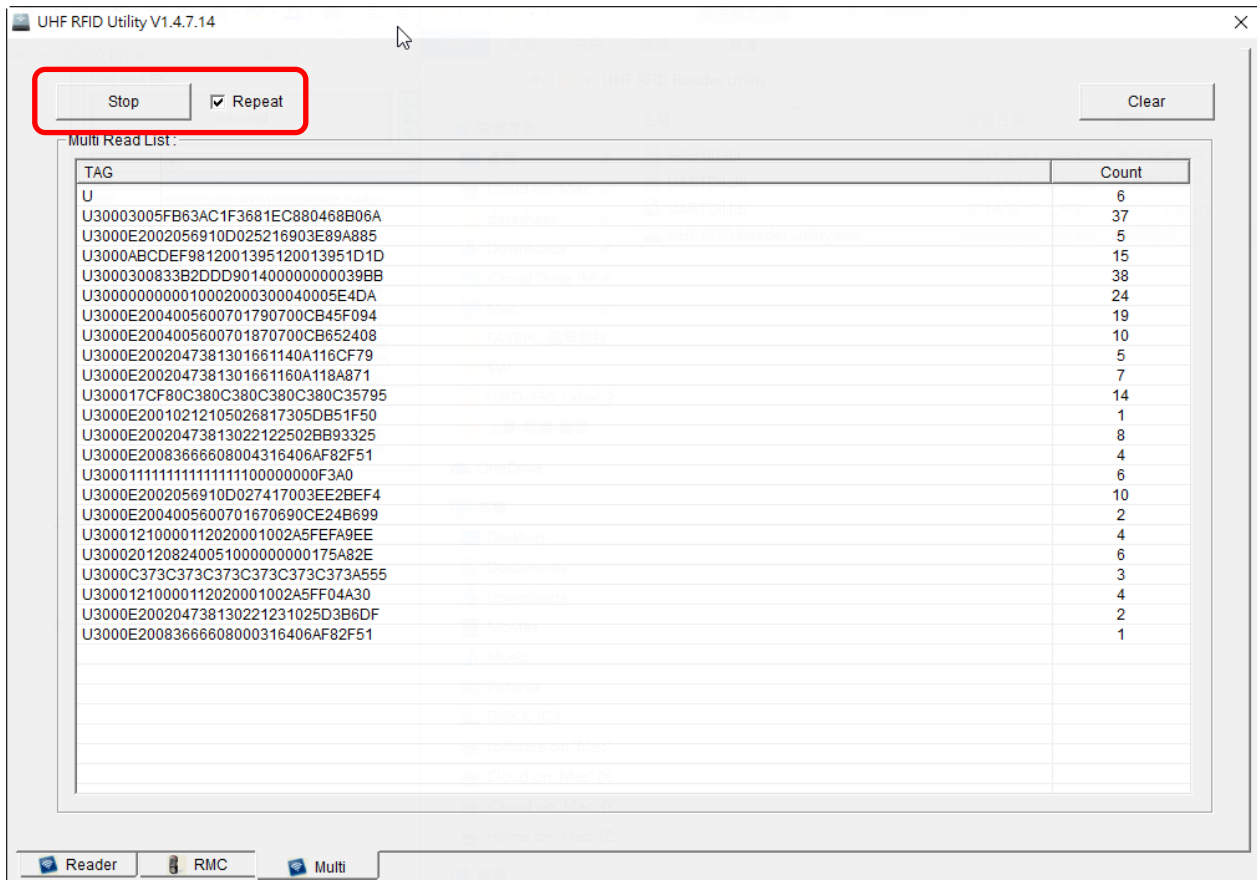
■ Use WRD130U_Config

Select the correct COM? Each computer is different , The implementation of Connect, Select Test Page , The implementation of Auto read



■ Use UHF RFID Reader Utility

The implementation of Connect, The implementation of Enter Reader, Select Multi Page , Check Repeat, The implementation of Read



■ Use ComTools

Select the correct COM? Each computer is different , Enter 55
0D Instructions , Check AUTO 300ms HEX

