

CIDTestAp Operation Manual

Version: V1.2

- 1. Overview**
- 2. HW Connection**
- 3. SW Installation**
- 4. Operation**

1. Overview

The Card Interface Device utility CIDTestAp or CIDTestApRs232 is an integrated tool for SKH100 and SKH300 serial products under Windows environment, CIDTestApRs232 is for RS232 or virtual COM type USB interface and CIDTestAp is for both PS2 and RS232/USB interfaces, both utilities can be used to learn all commands supported and setup the necessary configure word into the device.

Note, Commands of devices SKH305, IMI300, IMI305 are compatible with SKH300

Commands of device SKH600 are compatible with SKH100

2. HW Connection

2.1 Before the utility execution, make sure that the cable has been connected between reader and host's RS23, USB or PS2 port properly and regulated +5VDC power is necessary if RS232 cable is selected.

2.2 In case of RS232 mode, besides RXD, TXD signals, it is recommend to use CTS signal

3. SW Installation

If USB mode is selected, the USB/COM converter driver should be installed before the application execution.

The CIDTestApSetup.exe will install a PS2 driver and CIDTestAp utility into your host, if older driver has been installed before, you should remove it before new driver install.

4. Operation

4.1 After execution of CIDtestAP.exe or CIDTestApRs232.exe, a CID Utility window (see Fig 1) will show on the screen instantly,.

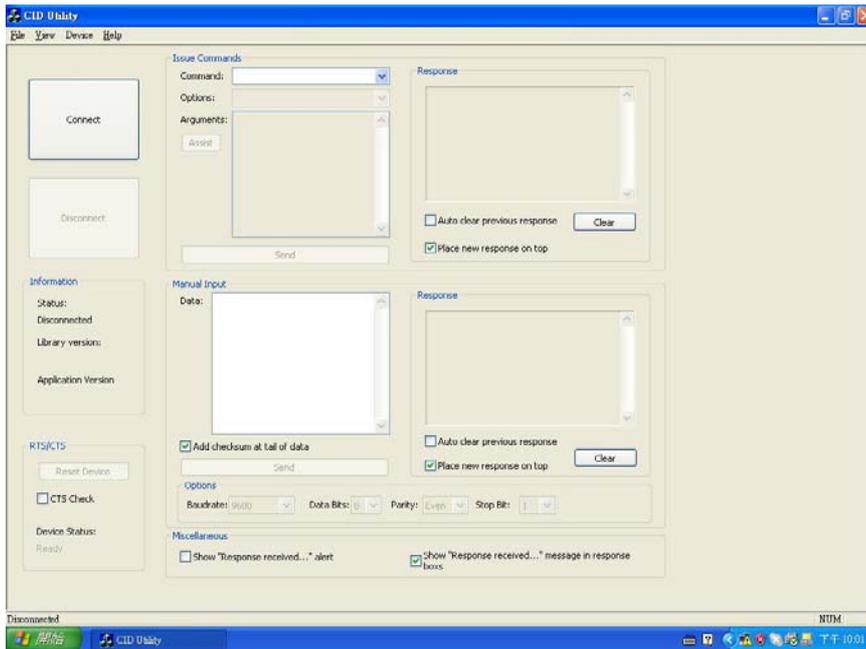


Fig 1

4.2 Press the “Connect” button, select the reader and interface type to be used. ex. Fig 2, the RS232C protocol 9600bps, Even parity and 8 data bit, COM1 port selected. ex. Fig 3 shown for SKH300 PS2 interface selected.

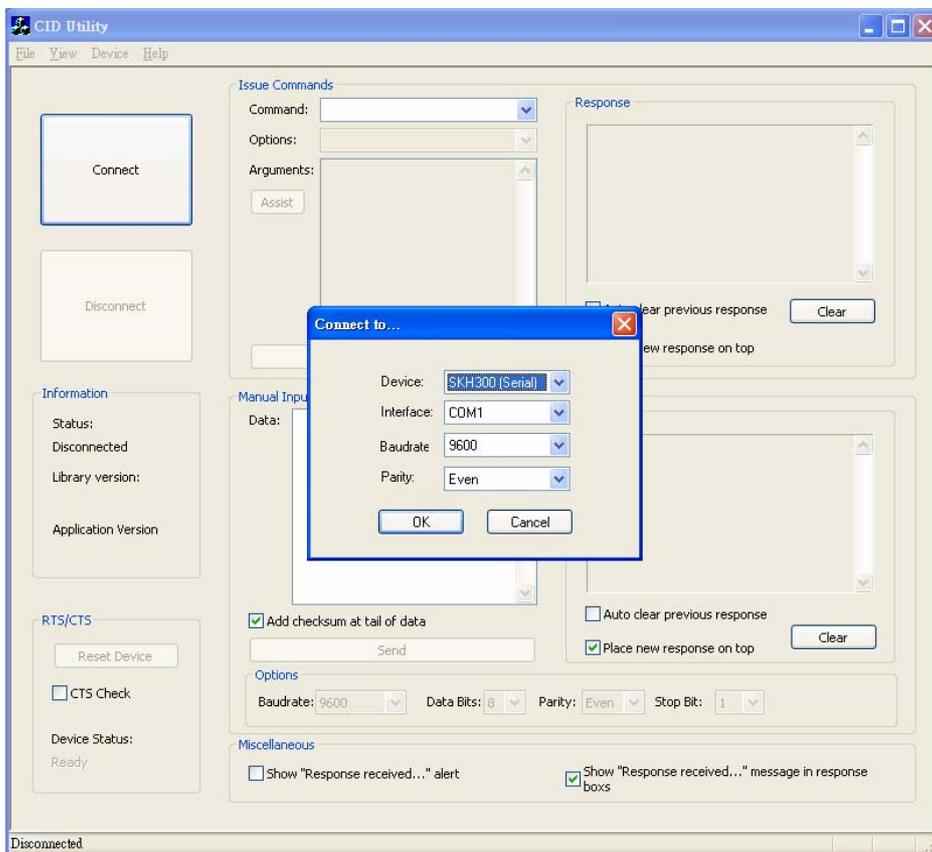


Fig 2

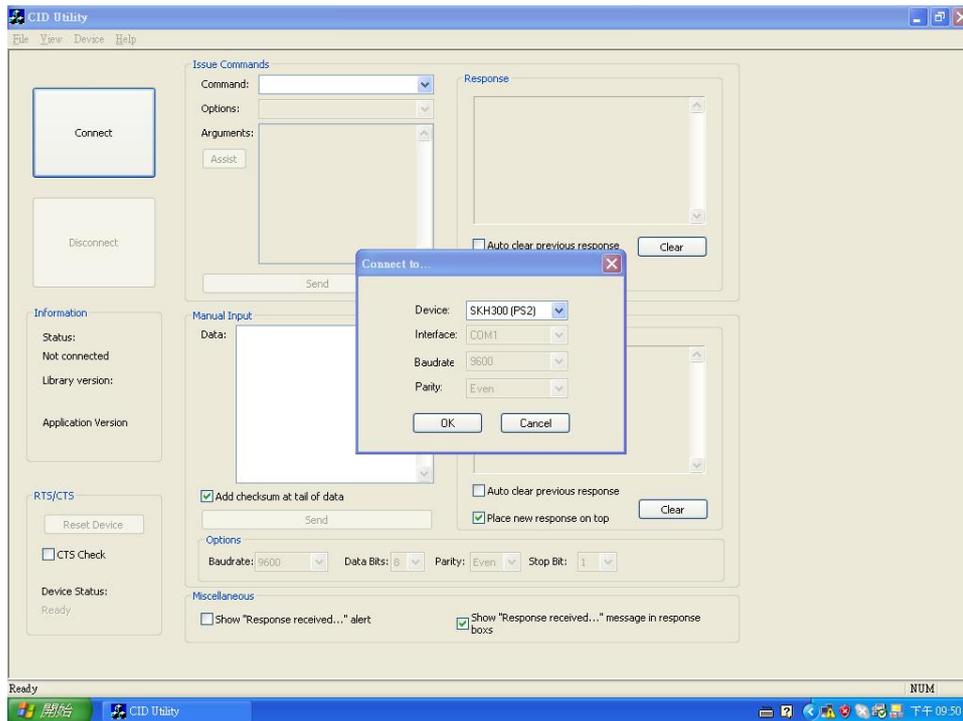


Fig 3

4.3 After enter the selected interface, the commands supported for that mode is listed as Fig 4 and Fig 5, select the command to be executed and press “Send” button, you will get response on the upper right “Response” window. You also can enter command code defined in the programming guide in the “Manual Input” window and get its response on lower right “Response” window. All acceptable command please refer to reader’s programming guide.

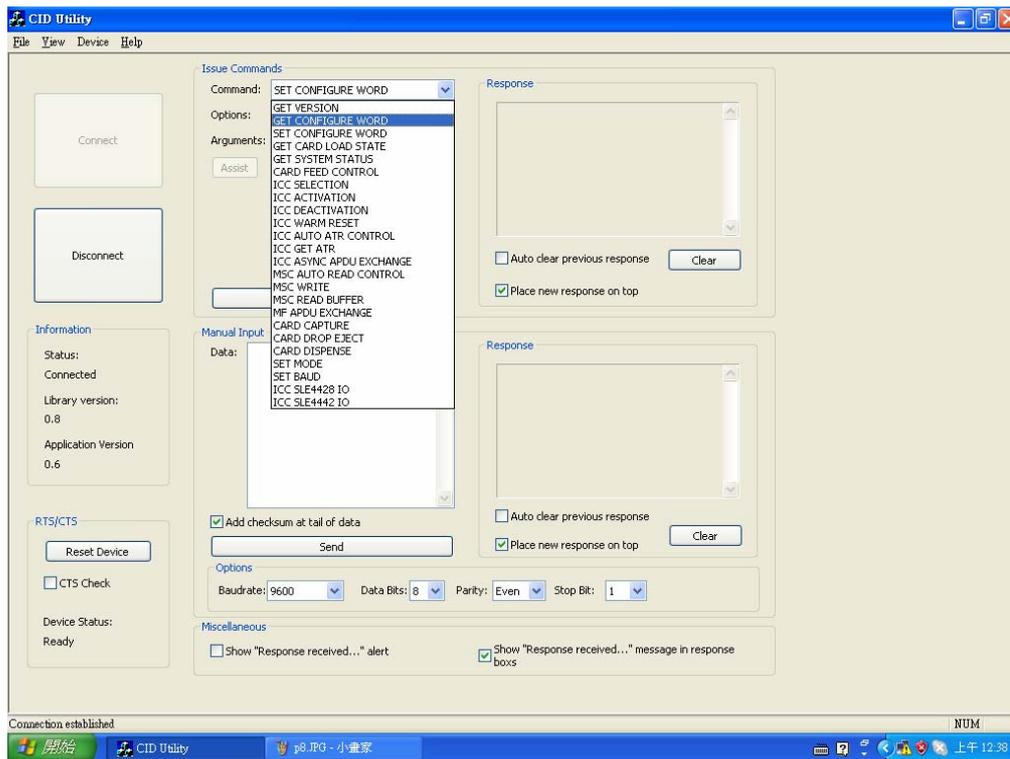


Fig 4

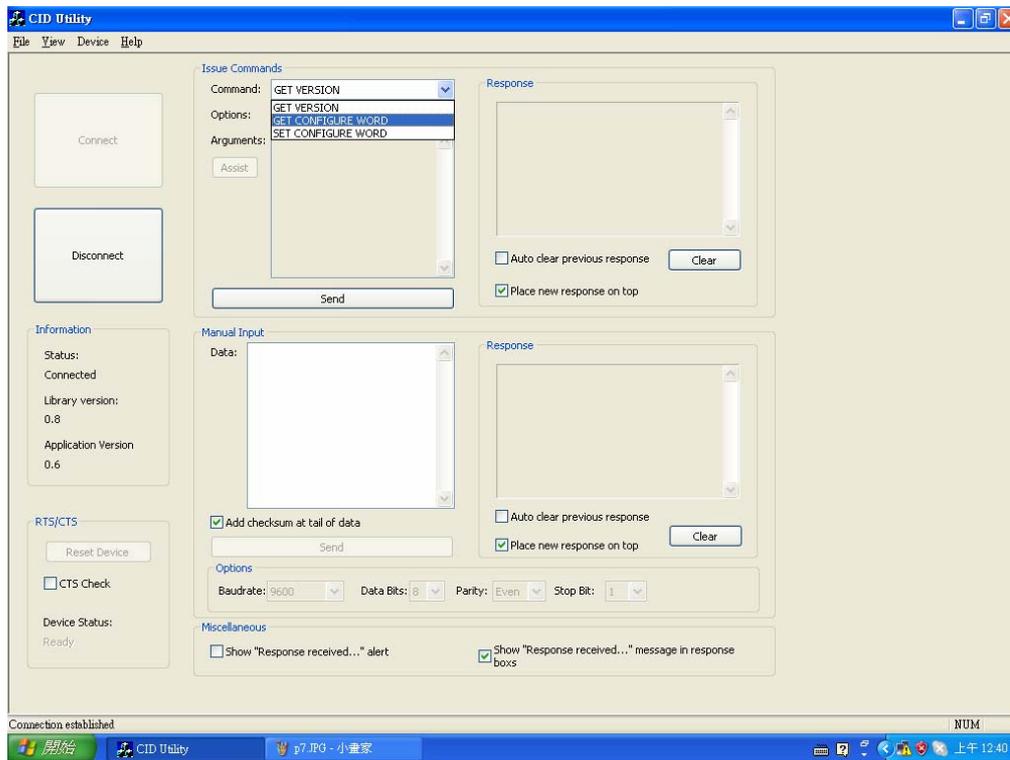


Fig 5

4.4 If the configure word stored in the reader want to be read or written, press **GET CONFIGURE WORD** or **SET CONFIGURE WORD** command to enter setup

window, you can fill out the parameter by press GET CONFIGURE WORD button returned or “Load from file” command. see Fig 6 and Fig 7.

Configure word description:

Track Enable: If enabled, Reader will response the track data which read correctly.

Upper Case: If selected, the track1 data read will transfer to upper case then returned.

Track Separator/Terminator Enable: If enabled, Reader will response Track Separator and Terminator defined in this configure word at the end of the track data.

Track Error Report Enable: If enabled, Reader will response a character “F” after track read failed.

Track Sentinel Enable & Replaceable: If enabled, Reader will response start and end sentinel by getting from the track or replaced it by the sentinel which set by this configure word.

Head/Tail Enable: If enabled, Reader will add the Head/Tail message set by this configure word to prefix and suffix the track data for response.

iButton Enable: If enabled, Reader will response iButton key number while key is attached.

Track Request: If selected, Reader will response only if the selected track has read correctly.

Off iButton ID Request: If selected, iButton ID would follows the returned Off iButton Head message after iButton removed.

Tracks Sequence Request: If selected, Reader will response track data by the order selected.

MSR Auto. Response Port: Select the MSR data response path.

iButton Auto. Response Port: Select the iButton key number response path.

Head/Tail: Reader add track and iButton Head/Tail message to its data returned, For both RS232/USB or PS2 interface, the ASCII code is to be entered.

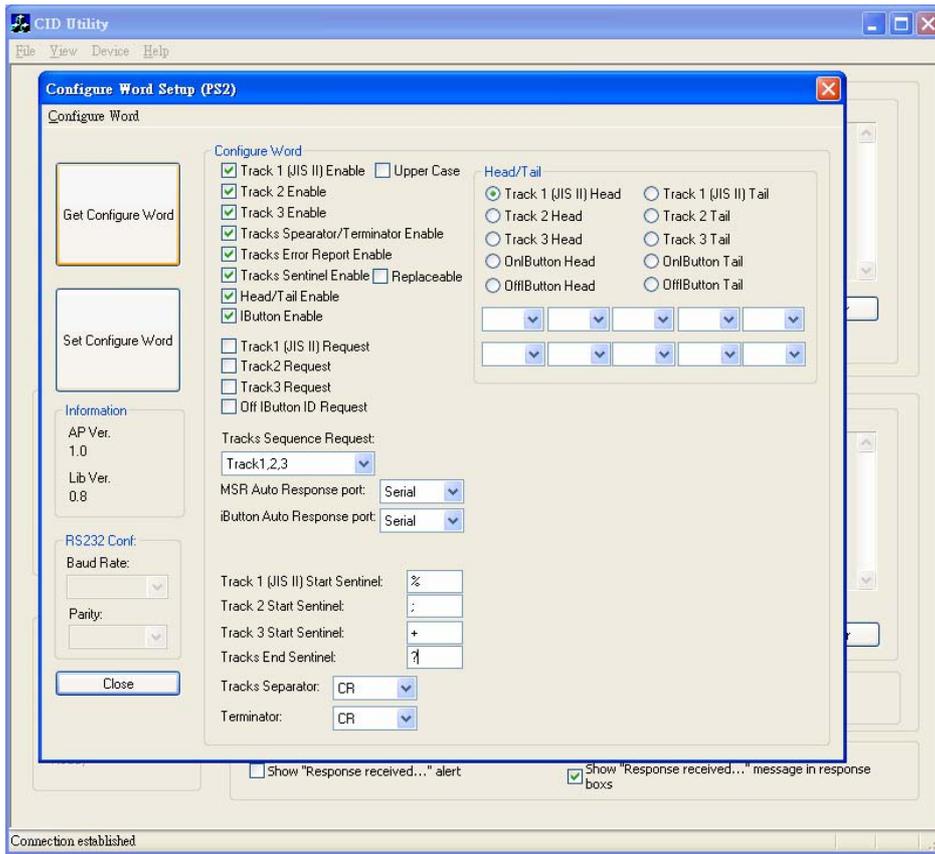


Fig 6

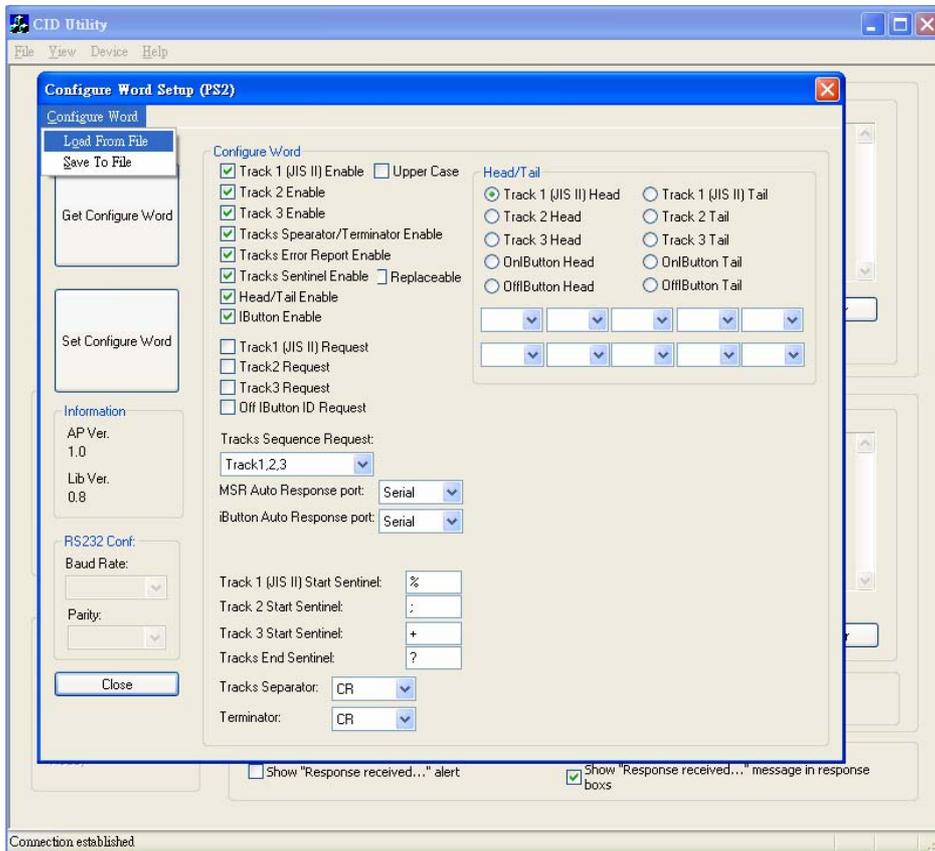


Fig 7

4.6 Fig 8 and Fig 9 is a sample of RS232 and PS2 setting.

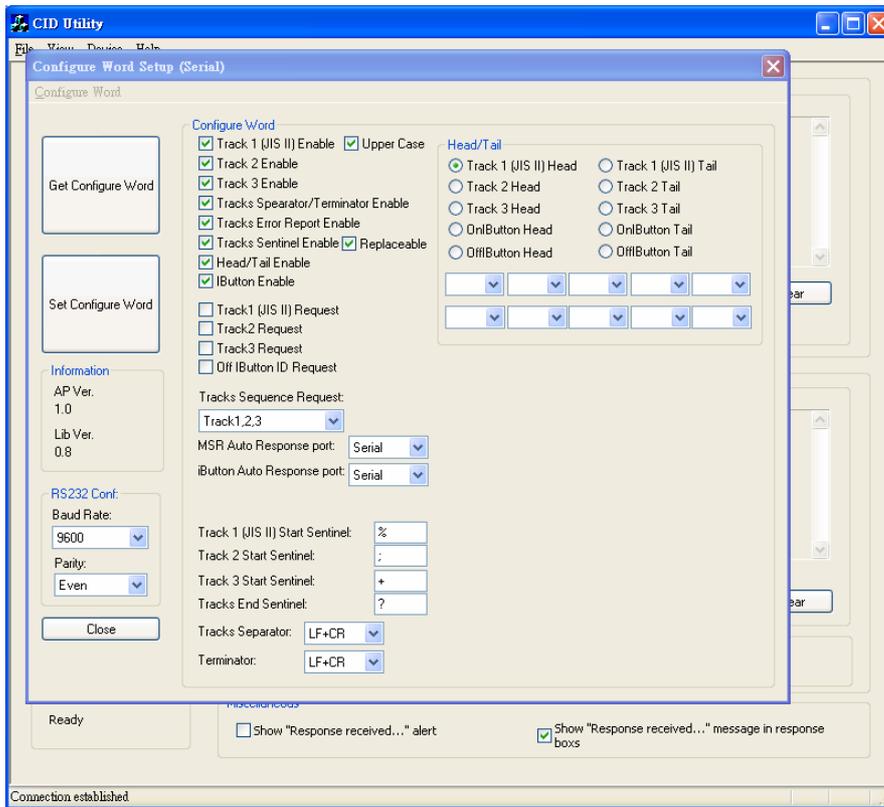


Fig 8

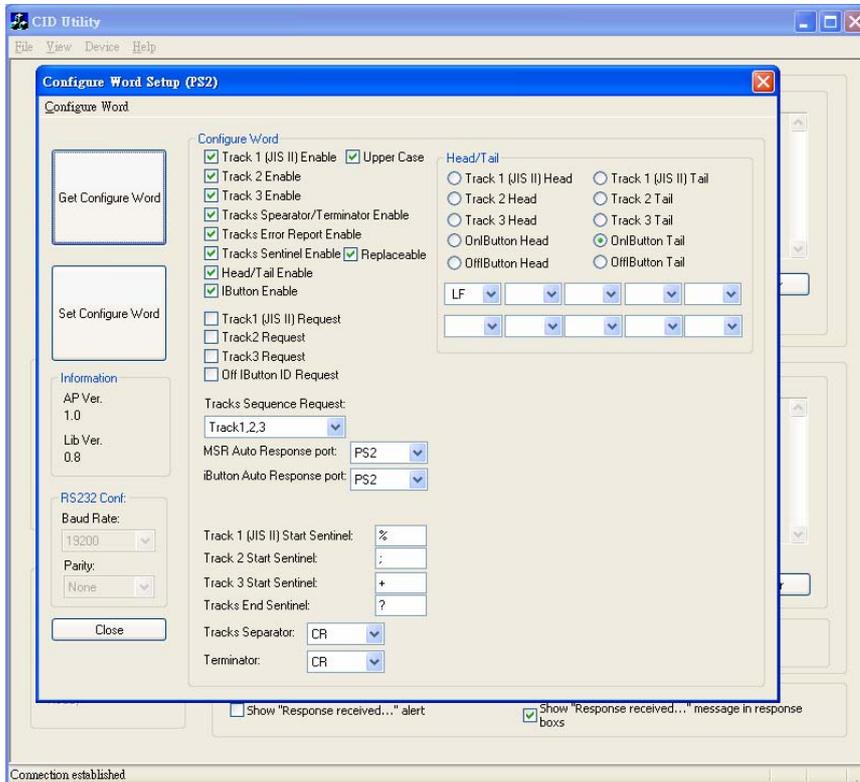


Fig9