

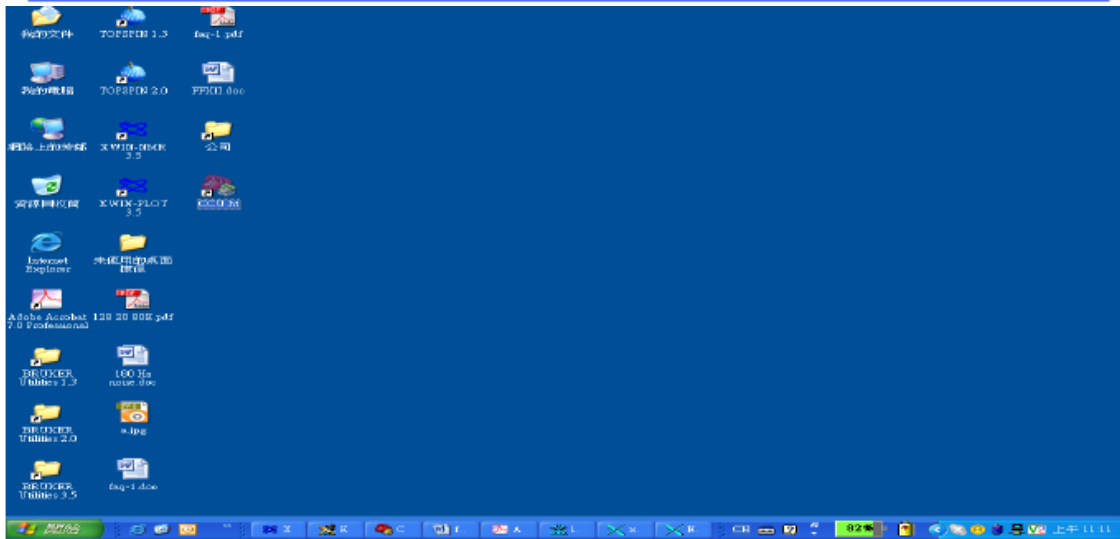
主機開關機步驟(Instrument power ON/OFF procedure)

關機 (Power off)

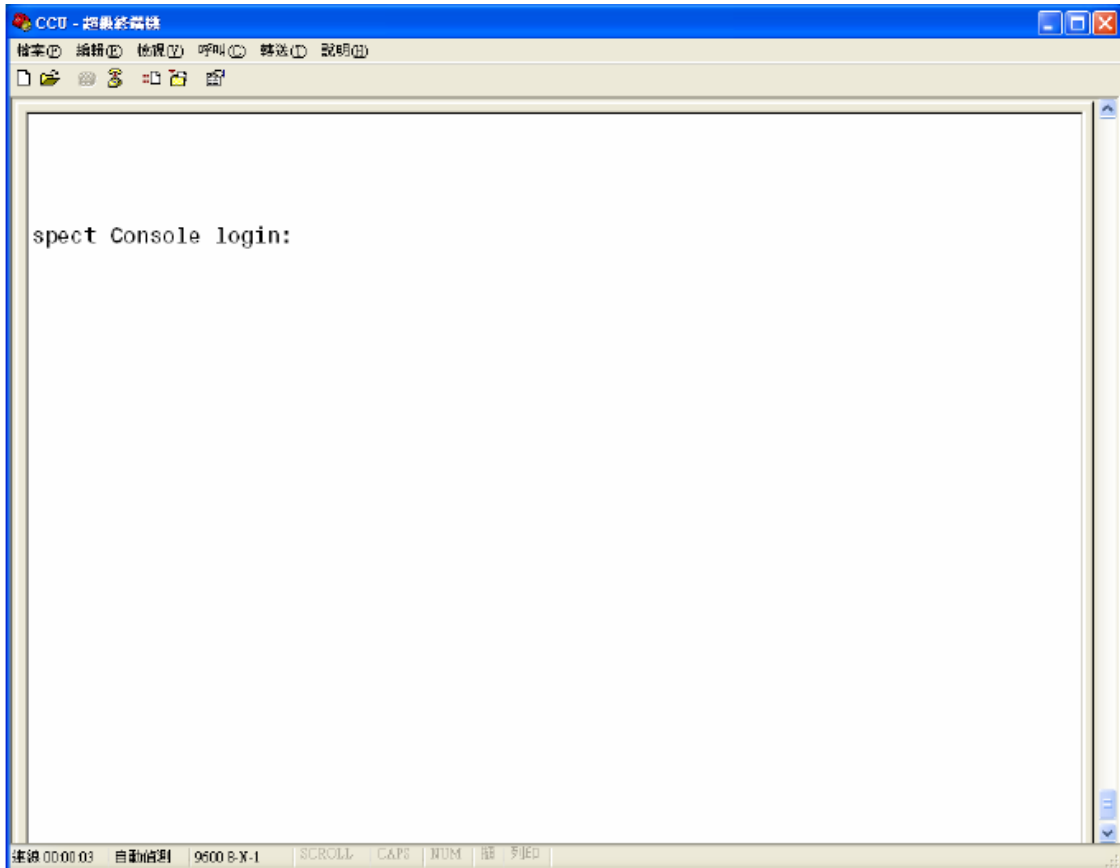
1. 確認實驗停止
2. 確認樣品沒有氬鎖定(lock off)
3. 確認樣品沒有旋轉(spin off)
4. 確認樣品已從磁鐵中取出
5. 確認溫度控制(edte)已關閉



6. 離開XWINNMR software
7. 點取桌面ccu.ht 圖樣 (如桌面無 ccu.ht，請參考第11頁之設定方式)

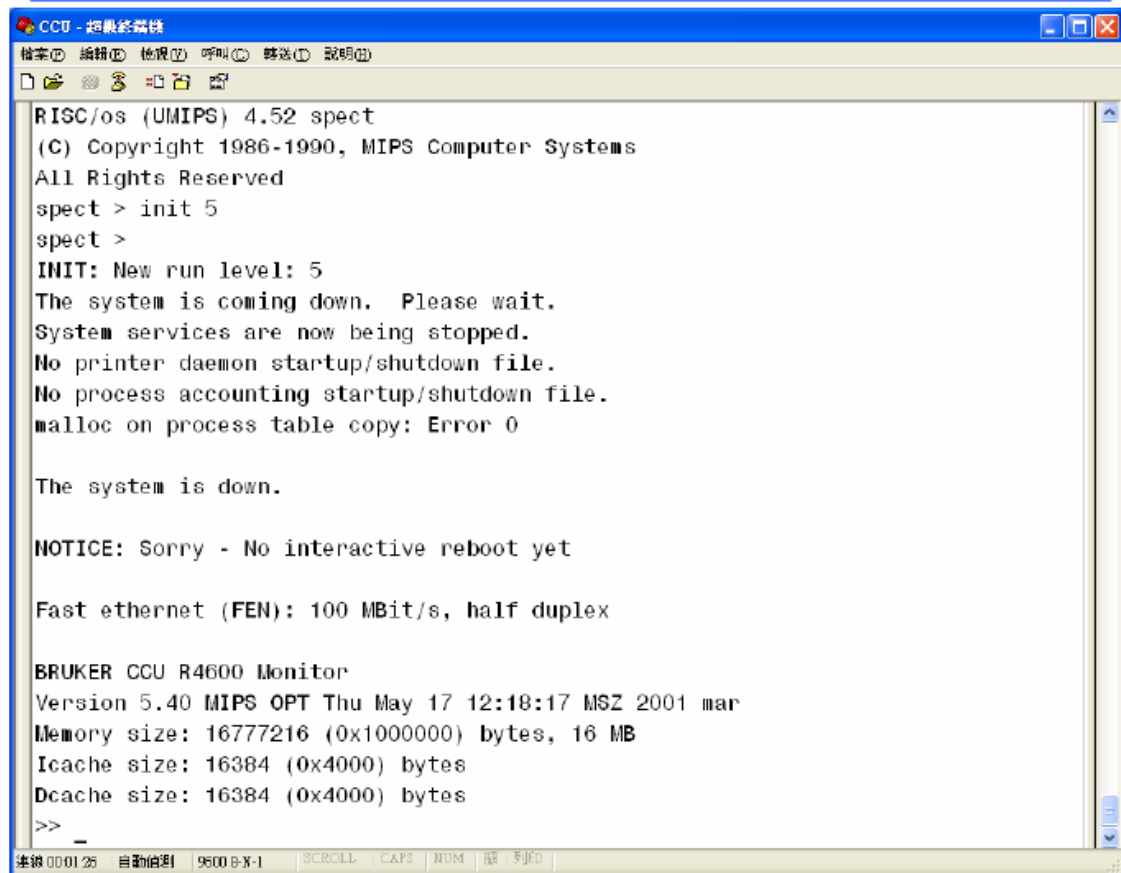


8. 按一次enter



9. 鍵入使用者名稱: root

10. 如出現要求 passwd , 鍵入Enter , 等出現spec>再鍵入 init 5



```
CCU - 超級終端機
RISC/os (UMIPS) 4.52 spect
(C) Copyright 1986-1990, MIPS Computer Systems
All Rights Reserved
spect > init 5
spect >
INIT: New run level: 5
The system is coming down. Please wait.
System services are now being stopped.
No printer daemon startup/shutdown file.
No process accounting startup/shutdown file.
malloc on process table copy: Error 0

The system is down.

NOTICE: Sorry - No interactive reboot yet

Fast ethernet (FEN): 100 MBit/s, half duplex

BRUKER CCU R4600 Monitor
Version 5.40 MIPS OPT Thu May 17 12:18:17 MSZ 2001 mar
Memory size: 16777216 (0x1000000) bytes, 16 MB
Icache size: 16384 (0x4000) bytes
Dcache size: 16384 (0x4000) bytes
>> _
```

11. 等出現system is down 的畫面
12. 關閉AQS 電源
13. 關閉BLAXH300/100 電源
14. 關閉BSMS 電源
15. 關閉電腦
16. 按下紅色按鈕



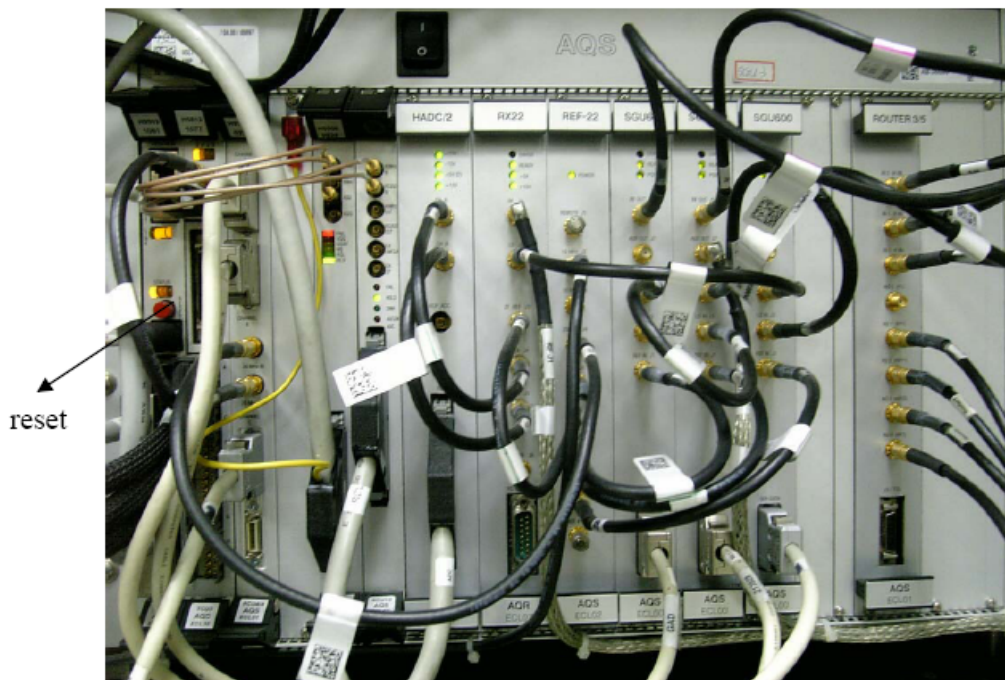
開機

1. 按下綠色按鈕



2. 電腦開機並登入使用者及密碼
3. 點取桌面ccu.ht 圖樣

4. 按一次enter
5. 打開BSMS 電源
6. 打開BLAXH300/100 電源
7. 打開AQS電源
8. 觀看hyper terminal 視窗
9. 等到出現system is ready
10. 若沒出現以上訊息,按AQS最左邊的CCU 板子上的紅色reset 鈕



11. 觀看hyper terminal 視窗

```

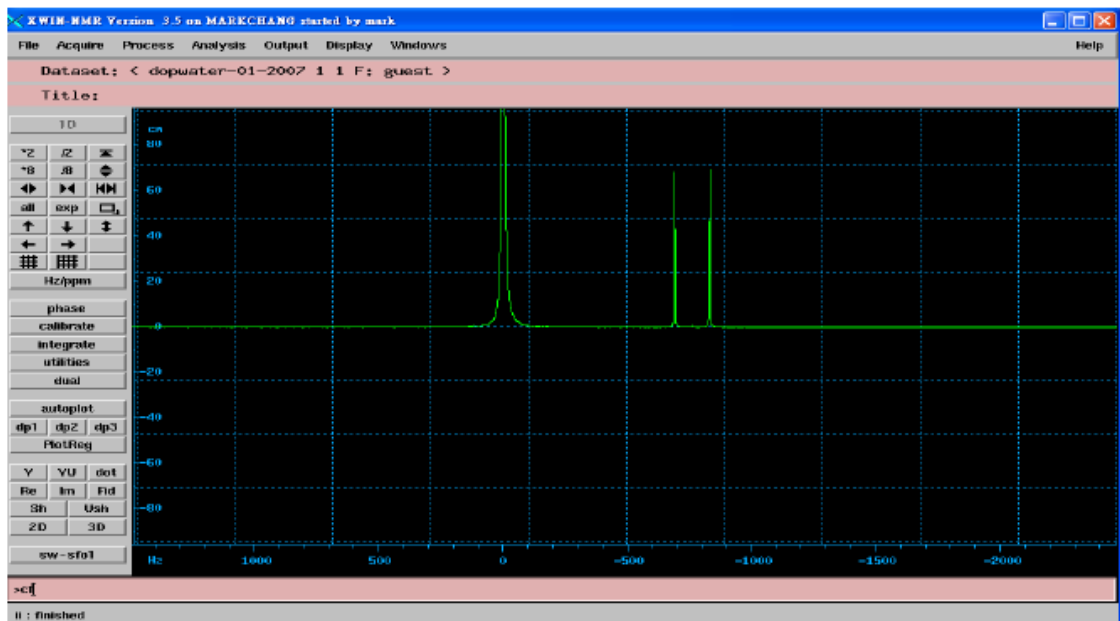
CCU - 超級終端機
-----
  檔案(F) 編輯(E) 檢視(V) 呼叫(C) 轉送(D) 說明(H)
  [Icons]
  Available memory = 12787712

  The system is coming up. Please wait.
  /etc/init.d/sym_install start
  Adding swap device /swapfile
  Trying autoneg. in FEN: timed out.
  Fast ethernet (FEN) : 100 MBit/s, full duplex
  Internet daemons: portmap inetd.
  NFS daemons: biod lockd statd.
  /tmp: Permission denied
  /tmp: Permission denied
  /var/tmp: Permission denied
  /var/tmp: Permission denied
  The system is ready.

  spect Console login:
  
```

連線 00:00:54 自動偵測 9600 8-N-1 SCROLL CAPS NUM 屏 屏

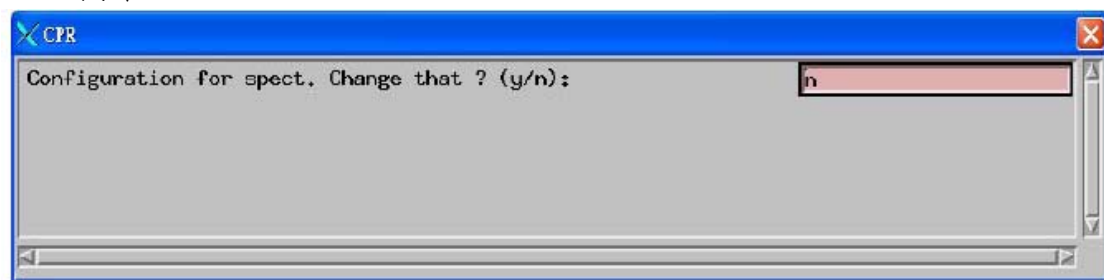
12. 等到出現system is ready
13. 關閉hyper terminal 視窗
14. 開啟XWINNMR
15. 選取一個資料檔(若開啟時已有光譜則不需要)
16. 執行ii
17. 若出現錯誤訊息,按close
18. 若沒有錯誤訊息,請執行cf



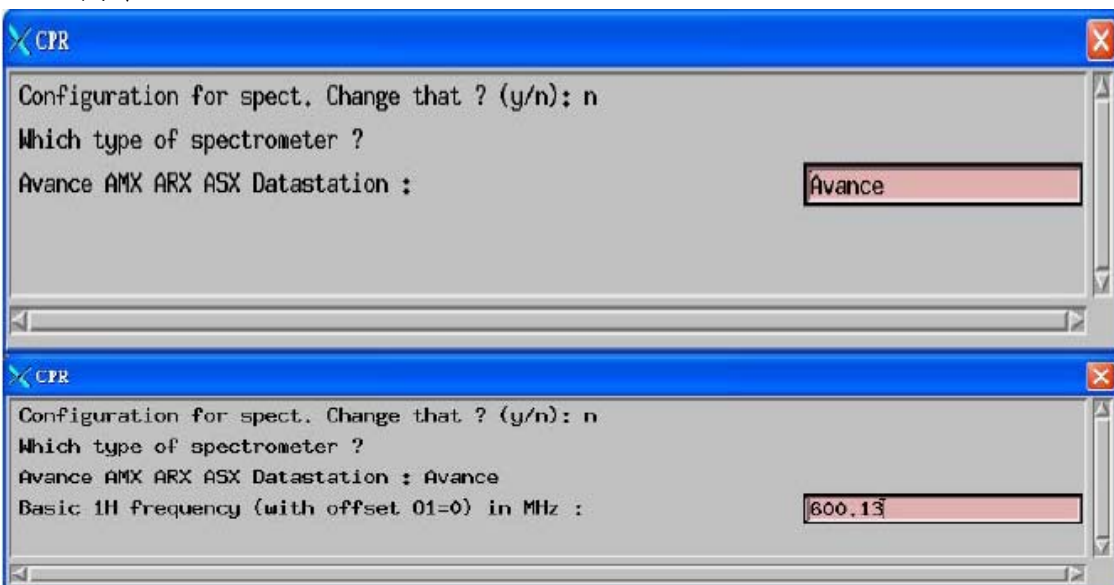
19. 鍵入密碼



20. 按下n



21. 按下Enter



22. 確認裝置號碼如下所示，若不同請依序鍵入，再按下Save

External Devices without hardware detection

External Devices		Devices
PRAMP1	tty10	HPPR Preamplifier 1
ACBTY	tty20	ACB Amplifier Control Board
RX22TY	tty10	RX22 Receiver
BSMSTY	tty02	BSMS Smart Magnet Control System
LOCKTY	tty03	Lock Signal
VTUTY	tty05	VTU Variable Temperature Unit
CRCOTY	tty13	Cryo Controller
POWCHK	FALSE	Pulse Peak Power Check (TRUE = enable)
LOCSWID	0	Lockswitch (index of amplifier / no=0)
BPSUTY	no	BPSU
MASTY	no	MAS Pneumatic Control Unit
BACSTY	no	BAC5 Bruker Automatic Changer
BARPTY	no	Barcode Printer

----- other settings -----

----- devices which are not installed -----

LOCKTY

VTUTY

VTU Variable Temperature Unit

CRCOTY

Cryo Controller

----- other settings -----

Pulse Peak Power Check (TRUE = enable)

----- devices which are not installed -----

Lockswitch (index of amplifier / no=0)

BPSU

MAS Pneumatic Control Unit

BAC5 Bruker Automatic Changer

Barcode Printer

SAVE 2-COL Parameter Next CANCEL

cf nuclei table

Note: DEFAULTS loads the Bruker default values

1H	500.130000
2H	76.773000
3H	533.458583
3He	380.993893
6Li	73.599661
7Li	194.369473
9Be	70.277367
10B	53.732257
11B	160.461579
13C	125.757789
14N	36.128816
15N	50.677733
17O	67.799773
19F	470.592362
21Ne	39.482913

SAVE ADD DEFAULTS QUIT

edz frequency logical channel hardware channel amplifier preamplifier

frequency	logical channel	hardware channel	amplifier	preamplifier
BF1 76.7730000 MHz	NUC 1			
SFO1 76.7730000 MHz	F1	FCU1/SGU1	X 300.0 W	
OFSX1 10.000 Hz				
BF2 76.7730000 MHz	NUC 2			
SFO2 76.7730000 MHz	F2	FCU2/SGU2	H 50.0 W	
OFSX2 10.000 Hz			H 500 mW	
BF3 76.7730000 MHz	NUC 3			
SFO3 76.7735580 MHz	F3	FCU3/SGU3	X 300.0 W	
OFSX3 1550.000 Hz				
BF4 76.7730000 MHz	NUC 4			
SFO4 76.7730000 MHz	F4	FCU4/SGU4		
OFSX4 10.000 Hz				

Diagram showing connections between amplifiers and preamplifiers:

- X 300.0 W amplifier connects to 1H LNA, 13C, 15N, and XBB19F 2HS.
- H 50.0 W amplifier connects to 19F and 1H.
- H 500 mW amplifier connects to 1H.
- X 300.0 W amplifier connects to 2H.
- 2H 20.0 W amplifier connects to 2H.

SAVE CLEAR PREAMPLIFIER CONNECTIONS CANCEL PARAM

23. 按下OK

```

xtd
File: C:/Bruker/XWIN-NMR/conf/instr/spect/uxnmr.info

CONFIGURATION INFORMATION
-----
Date       : Thu Jan 11 10:08:44 2007
Release    : XWIN-NMR Acquisition Version 3.5-p16
Host       : MARKCHANG Windows_NT 1.5 Pentium
User       : MARKCHANG\mark (mark)
System     : Avance spectrometer
1H-Frequency : 600.13 MHz
hardware info: detected by hardware itself

GCU: GCU1 installed

RCU1:
- DRAM = 8192 kByte
- SRAM = 1024 kByte
- FIFO = 4 kByte
Digitizers :
- HADC/2 ADC937

AQS-Rack: connected to spect:/dev/tty10
_Slot_ SBSB _____ Board_____
Number Addr Type HW-V5 ID ECL Name Description
-----
  2  0x34 0x02  0x1  Y  0  2  PEE-1
  
```

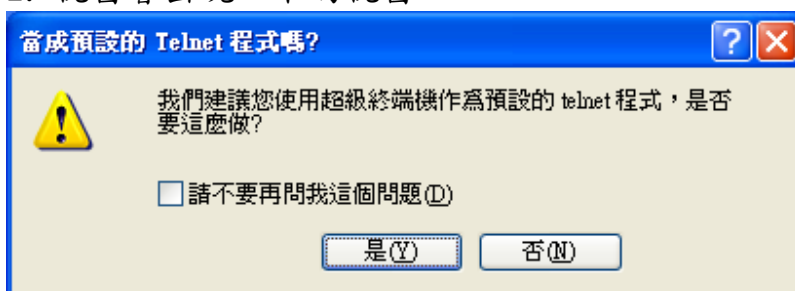
OK Print

設定 ccu.nt 於桌面

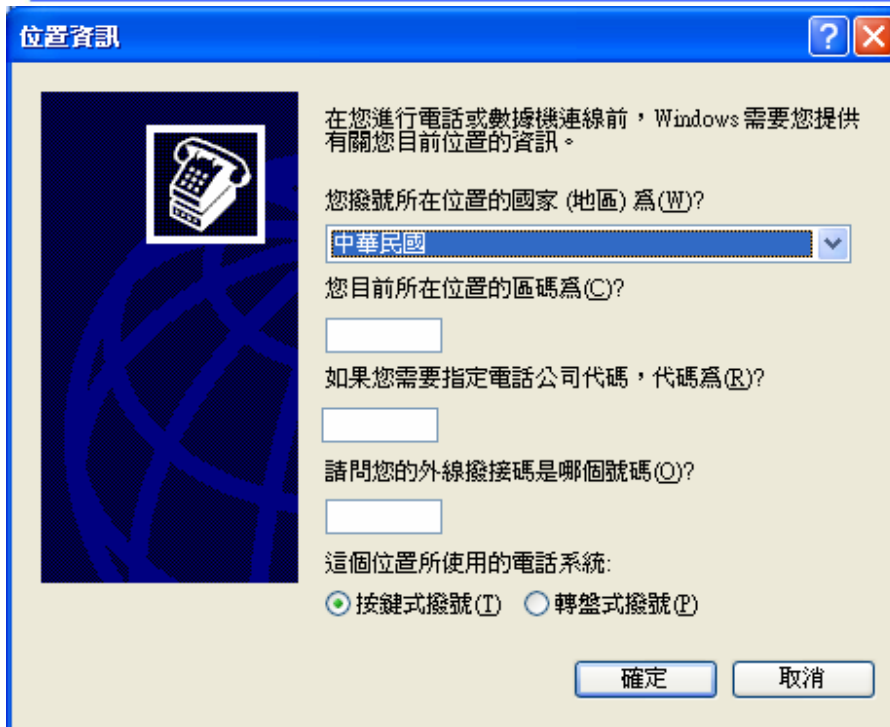
1. 首先選擇在視窗的左下角的開始->程式及->附屬應用程式->通訊->超級終端機



2. 視窗會出現以下的視窗

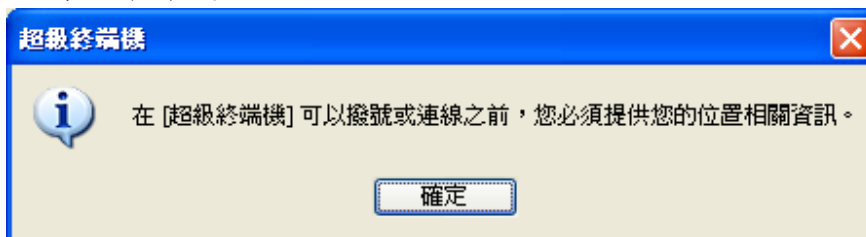


3. 選擇 Y
4. 出現以下的視窗

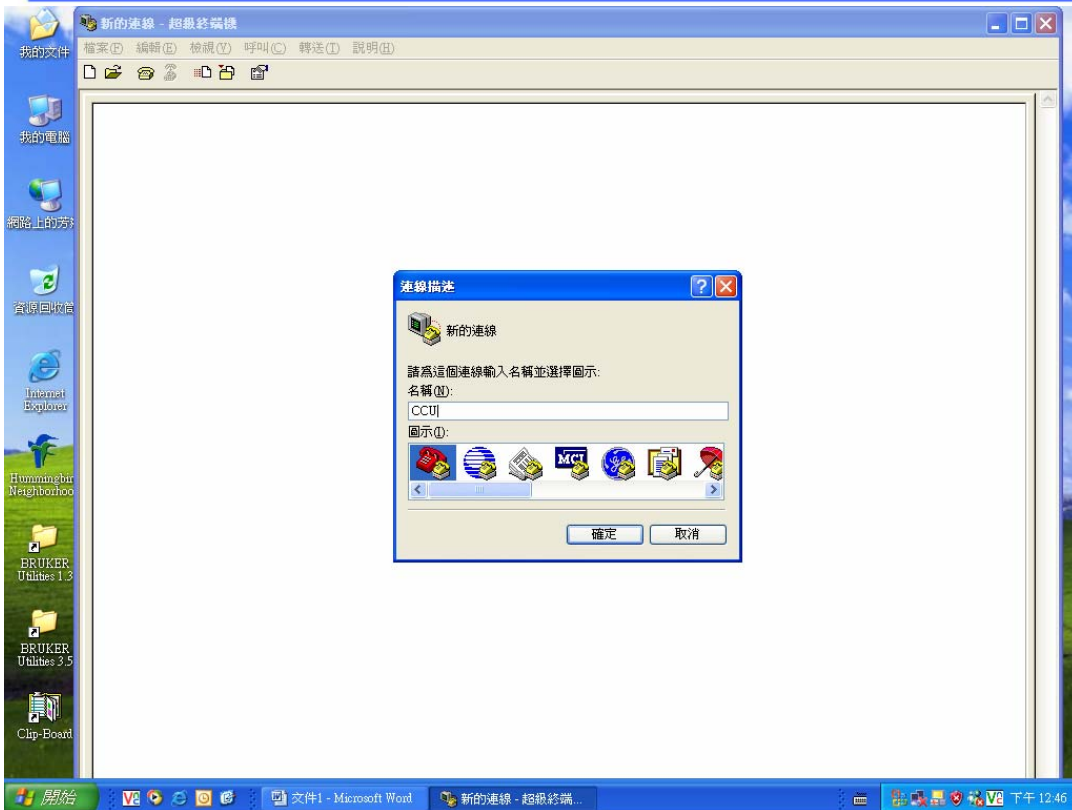


5. 在所在的位置的區碼打入 02，再按下確定

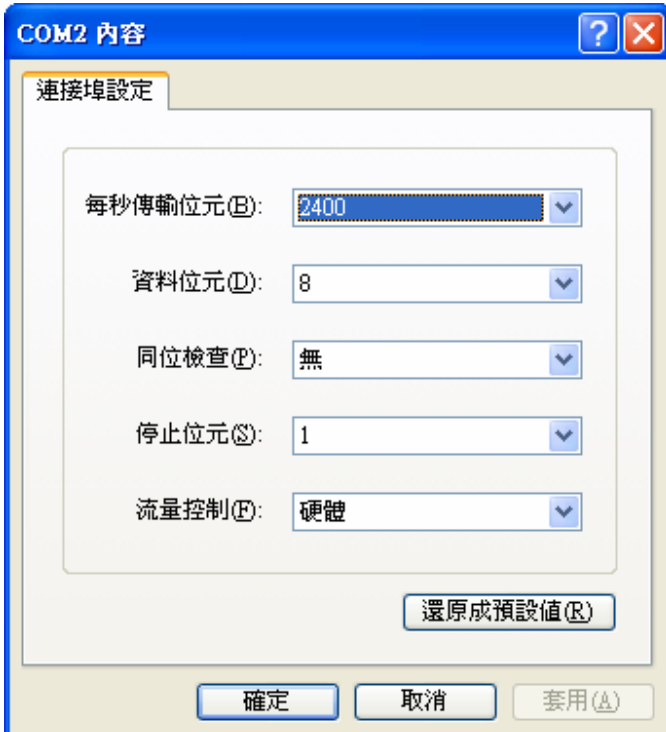
6. 再按下確定



7. 在名稱欄位鍵入 CCU，再按下確定



8. 再使用連線選擇 COM2，並且按下確定，然後會出現以下視窗



9. 在每秒傳輸位元選擇 9600，流量控制選擇 Xon/Xoff，並且按下確定

10. 這樣超級終端機就設定好了

11. 儲存設定好的參數，在超級終端機的左上角的檔案->另存新檔，選擇桌面，並且選擇儲存

