

Technical Support
Knowledge Center Open

VEE：我要如何設定RS-232的 Direct IO？

Notices

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以下是設定串列介面的Direct IO的一些步驟：

確定已經安裝I/O Libraries。

執行I/O Config公用程式。

利用公用程式來設定串列埠。請確定記下了設定項目中的Logical Unit數字（例如，1或9或其他數字...這個數字有點任意的性質）。VEE會使用它來辨識公用程式。

您必須重新啟動Windows，以確定設定無誤。

執行VEE，執行Instrument Manager，然後在儀器樹狀結構的最高層執行更新動作（Find Instrument），看看串列埠是否有出現。您應該會看到像 "serial1" 或 "serial9" 的項目。

不過，當您利用 "Add" 或 "Edit" 來增加或編輯儀器時，在 "Address" 中輸入的位址就只是一個邏輯單位數字...例如，1或9。請確定您設定的是正確的串列參數，如此才能使用Direct I/O，在您的儀器中執行測試通訊。請注意，您必須執行Instrument Manager底下的編輯指令來設定串列參數。當您這麼做時，會出現一個像這樣的對話方塊：

```
+-----+
| Advanced Device Configuration [x]|
+-----+-----+-----+-----+
| General | Serial | Direct I/O | Panel Driver |
+-----+ +-----+-----+
||
| Baud Rate: [ 9600 ] |
| Character Size: [ 8 v] |
| Stop Bits: [ 1 ] |
| Parity: [ None v] |
| Handshake: [ DTR/DSR ] |
| Receive Buffer Size: [ 4096 ] |
||
||
+-----+
|[ OK ] [ Cancel ] [ Help ] |
```

```
+-----+
```

"Direct I/O" 面板也會提供一些重要的參數，例如輸入終止字元。

您必須確定這些參數與接收裝置上的參數相符，否則通訊會出現問題。

無論如何，只要您的儀器是IEEE 488.2相容機種（數據機儀器通常就是），您就可以藉由詢問裝置的ID字串，來驗證與Direct I/O的通訊：

```
+-----+
```

```
| Direct I/O | +-----+
```

```
+-----+----+ | AlphaNumeric |
```

```
| WRITE TEXT "*IDN?" EOL | | +-----+
```

```
| READ TEXT X STRING | X +-->||
```

```
||| +-----+
```

```
+-----+----+
```

如果發生逾時，則必須確認您的串列接線是否已正確接好，以及在VEE中設定的串列參數是否與儀器要求的參數相符。提供您一個秘訣，您可以使用另一部具有終端模擬器的PC，透過一條空載數據機接線與它連接，看看是否能順利進行通訊。Copyright © 1991-1999 Keysight Technologies Company
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