



Tech Info Library

ImageWriter Family & Scribe: Connecting To An IBM PC, PS/2, AT&T

Revised: 4/30/90
Security: Everyone

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TOPIC-----

What are the cable and printer configurations that will interface an IBM PC, PS/2, AT&T 6300 or other IBM compatible to an ImageWriter I, ImageWriter 15", ImageWriter II, LQ or Scribe printer.

DISCUSSION-----

Cabling pinouts for a custom cable:

IBM PC (use female DB-25)	ImageWriter II or ImageWriter LQ (use circular 8 connector)
5,6 (CTS, DSR)	1 (DTR)
20 (DTR)	2 (DSR)
3 (RxD-)	3 (TxD-)
7 (SG)	4,8 (SG, RxD+)
2 (TxD-)	5 (RxD-)

IBM PC (use female DB-25)	ImageWriter/15"/Scribe (use male DB-25)
3 (RxD-)	2 (TxD-)
2 (TxD-)	3 (RxD-)
5 (CTS)	4 (RTS)
7 (SG)	7 (SG)
6 (DSR)	20 (DTR)

Reference:

RS232 Signal (DB-25 DTE)
1 - Sig Gnd - Normally Shield or Chassis Ground

- | | | |
|----|-------|-----------------------|
| 2 | - TXD | - Transmit Data |
| 3 | - RXD | - Receive Data |
| 4 | - RTS | - Request to Send |
| 5 | - CTS | - Clear to Send |
| 6 | - DSR | - Data Set Ready |
| 7 | - GND | - SIGNAL Ground |
| 8 | - DCD | - Data Carrier Detect |
| 20 | - DTR | - Data Terminal Ready |
| 22 | - RI | - Ring Indicate |

Set printer switches to the following settings for this configuration:

U.S. Character set,
66 lines per page,
8 data bits (1 stop bit, no parity),
pica character pitch,
no LF after CR,
9600 Baud,
Data Terminal Ready Protocol.

ImageWriter I Switch Settings:

```

      8 7 6 5 4 3 2 1
SW 1:                                (CLOSE)
      X X X X X X X X (OPEN)

SW 2:                                4 3 2 1
                                      X X (CLOSE)
                                      X   (OPEN)

```

ImageWriter II Switch Settings:

```
SW 1 : 1 2 3 4 5 6 7 8
        X X X X X X X X (OPEN)
                                (CLOSE)
```

SW 2: 1 2 3 4 5* 6*

 X X (OPEN)

 X X (CLOSE)

* NOTE: DO NOT CHANGE SWITCH 5 AND 6.

ImageWriter LQ Switch Settings:

```
SW 1:  1 2 3 4 5 6 7 8
        X X X X X X X X (OPEN)
                                (CLOSE)
```

```
SW 2:  1 2 3 4 5 6 7 8
        X X X X X X (OPEN)
```

X X

(CLOSE)

SW 3: DO NOT TOUCH!

Finally, configure the serial port of the computer to match the printer configurations as above and assign the port to LPT1 by running this autoexec program:

```
mode COM1:96,N,8,1,P
```

```
mode LPT1:=com1
```

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