Installation Notes

These instructions are for either a Serial Printer Cable or a Parallel Printer Cable.

Serial Cable

The 9 way 'D' plug on the cable plugs into the Z88, the 25 way 'D' goes to the serial connector on the printer. Do now worry if pin 4 on the plug is broken off or that there are wires soldered inside the 9 way plug.

You may need to configure the Z88 and/or the printer so that they have the same communications settings. The Z88 is configured from the Control Panel (■S) and the printer settings are changed by means or either DIP switches or instructions printed on the paper. Consult your printer manual for further details as printers have different methods of changing their settings depending on the manufacturer.

The settings on both the printer and the Z88 should be as follows:-

```
Transmit baud rate          9600
Receive baud rate           9600
Parity                      None
```

Note: If the printer does nor support 9600 baud you can use any other rate providing that both the Z88 and the printer are set to the same value.

The printer may require other settings. Make sure that it is set up to receive data from the serial port if it has more than one interface.

```
Word length:               8 bits
Stop bits:                 2
Auto Line Feed:            No
```

Parallel Cable

On your Z88, select the Control Panel (■S).

Make sure that the following settings are correct.

```
Transmit baud rate          9600
Receive baud rate           9600
Parity                      None
Xon/Xoff                    No
```

If they need changing, just use the cursor keys to highlight the command and then use ♦J which toggles the settings to change it.

• Remember to press **ENTER to update**

Pressing **ESC** just leaves the Panel without making the changes you have just made.

• Make sure that your printer is off-line or switched off.
• Plug the cable into the parallel connector at the back of your printer.
• Connect the 9 way plug at the other end of the cable to your Z88's serial port.
• Switch your printer on. The Z88 is now fully interfaced with the printer.

Using the Z88 with your printer

Full instructions for printing from the Z88's applications programs can be found in the User Guide.

If your printer is an EPSON, or is EPSON compatible, you will be able to use the full range of printer functions, such as **bold** underline, immediately.

If it is not, you will either have to set your printer to be EPSON compatible, or you will have to enter the correct codes for your printer.

These codes will be listed in your printer manual. The Z88 User Guide explains how to enter them in the section "The Printer Editor."

• There is a book available called Printer Drivers for the Z88. This may have your printer already listed and save you hours of time trying to work out what all the codes mean and how to use them.
Call Rakewell for details.

Printing from BASIC

The printer port is designated as a device named :PRT. All output routed to :PRT will be sent to the printer.

```
10 ch=OPENOUT(":PRT")
20 PRINT#ch,CHR$(5)+"["
30 PRINT#ch,"This is some text"+CHR$(10)
40 PRINT#ch,STR$(PI)+CHR$(10)
50 PRINT#ch,CHR$(5)+"]"
60 CLOSE#ch
```

The first thing you send must be the codes 5 and "[". These instruct the Z88 to enable the printer driver.

Output will be sent to the printer followed by a carriage return character (ASCII code 13), a line feed (ASCII code 10) must be added explicitly. Numeric values will need to be converted to text before they are printed.

Don't forget to turn off the printer driver by sending codes 5 and "]" and then close the output device.