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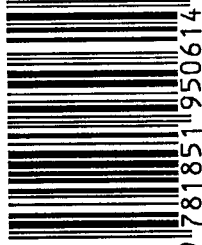
# PCW External Printers Guide

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The particulars supplied in this manual are given by Locomotive Software in good faith. However, the printer software is subject to continuous development and improvement, and it is acknowledged that there may be errors or omissions in this manual. In particular, the examples, menus and messages shown in this manual may differ in detail from those actually shown on the screen.

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## Introduction

One of LocoScript 2's many strengths is the extraordinary range of printers it can support. All PCW computers are supplied with a *built-in* printer – a dot-matrix printer on the 8256 and the 8512, and a daisy-wheel printer on the 9512 – but many people prefer the extra quality, speed, and typefaces which can be provided with an *external* printer.

This booklet explains what you need to know in order to use an external printer with LocoScript. If you only use the built-in printer, you don't need this booklet. The information it contains is only relevant to external printers.

- **Part I: Installing a new printer** explains the steps needed to add an external printer to your LocoScript system.
- **Part II: Upgrading your printer system** explains the steps to take if you acquire a new set of printer files to use with your printer, plus what to do when you buy a new printwheel or a sheet feeder attachment.
- **Part III: Printing with an external printer** explains the day-to-day use of an external printer. Much of the information here is also in Session 20 of the LocoScript 2 User Guide, and Session 23 of the PCW9512 guide. However, since that information has been revised recently, it is reproduced here for the benefit of those who do not have the up-to-date version.
- **Part IV: Troubleshooting** outlines difficulties you may get into, and suggests appropriate solutions.
- **Appendix I: Printers Supported** lists all the printers LocoScript 2 currently supports, together with details of the files available to support these. *It is essential refer to this list before you install a new printer, or upgrade your existing system, so that you can be sure you are using the correct files.*
- **Appendix II: Different types of printer** looks at the different kinds of printer that are available, their advantages and their drawbacks. Locomotive Software does not recommend any specific printer, but the information given in this Appendix may help you decide which printer suits your needs.
- **Appendix III: Option switches.** Some printers have switches or settings which can be used to configure the way the printer operates. With most printers you will not need to alter these from the way they are set at the factory. This Appendix explains how to set them for those few printers where the settings matter.

## Download mode

There are now several printers – mainly 24-pin dot-matrix printers but also a couple of laser printers – that can print characters downloaded from LocoScript. These printers are described as having a Download mode.

There are two big advantages to using such a printer in its Download mode.

*It allows you to print any character that LocoScript supports.* Outside Download mode, you can only print the characters that the printer itself provides.

*You can print these characters in a wide range of typefaces (or Fonts). 'Standard' and 'Sans Serif' fonts (each in two thicknesses) are provided as standard – but a further 10 fonts are available in the LocoFont 24 Pack.*

In order to take advantage of this Download mode:

- *you need a printer that LocoScript can download characters to*
- *you also need the Printer Support Pack (or the earlier 24-pin Printer Drivers Disc)*

Appendix I will tell you whether a particular printer is suitable. (There are a few printers which have a 'Downloading' option but which will not accept downloaded characters from LocoScript, so you do need to check in Appendix I.)

**Note:** All 'Download' printers allow you to use the printer's built-in characters instead, if you wish. Indeed, you may well want the option of using these characters to print some of your documents. (Unfortunately, it is not possible to mix the characters you use in a single document.) To do this, you simply need to treat it as two separate printers – one when it is using its Download mode and the other when it is using the built-in characters – and install both printers.

*It is important to know whether you will be able to use your printer in Download mode because this affects some of the steps you will need to take in installing your printer. It also affects which files you will need to have on your Start-up discs.*

## Part I:

# Installing a new printer

This Part describes the steps used to install a printer which you haven't used with LocoScript before. There are separate instructions depending on whether you are using a PCW8256/8512 or a PCW9512. But whichever kind of machine you have, you will need to:

- *Make sure you are running the latest version of LocoScript*
  - *Add the files needed to support this printer to your Start-of-day disc (or another Start-up disc)*
  - *The files to add are: the Printer Driver (.PRL) file for your printer; any alternative Character Set (.#xx) files needed to support additional fonts or printwheels on your printer; and either the INSTALL.DRV or the LQ24.DRV file depending on the type of printer you are installing.*
  - *Update the Settings file*
- When you re-load LocoScript from your updated Start-of-day disc, the printer files should be automatically copied to group 0 on Drive M which is where they need to be when the printer is in use. So you will also need to ensure that you have sufficient space on Drive M for these files – particularly if you have a PCW8256 with 256k of memory. (Perhaps now is the time to consider a memory upgrade!)
- *You will probably find it helpful to study the worked examples given at the end of this section. The examples on pages 9&10 describe the installation of an Epson FX-800 printer to use its built-in characters, while those on pages 11&12 give the steps used to install a NEC P6 Plus in Download mode.*

## Connecting the printer to the PCW

When you connect a printer to a PCW with a cable, there are two kinds of socket you can plug the cable into: a Parallel port and a Serial port. Some printers have both kinds of port, some have only one.

(If you have the choice we recommend using the Parallel port rather than the Serial one. If you use a Serial port, you will have more settings to make because you have to ensure the printer and LocoScript 2 are using the same conventions for sending and receiving information. If you use a Parallel port you don't need to worry about these conventions, which is why we recommend using Parallel.)

Both ends of the cable need to be plugged into the same type of port. If you have a PCW9512 and your printer has a Parallel port, then all you need is a suitable cable to plug your printer directly into the Parallel Printer connector on the back of your PCW. If, however, you have a PCW8256/8512 or your printer only has a Serial port, you need to fit an Amstrad CPS8256 Serial/Parallel (or compatible) interface to the expansion slot on the back of your PCW. Instructions for fitting should be supplied with the interface.

## Installing a new printer on an 8256/8512

- 1 Consult Appendix I of this booklet to see which Printer Driver (.PRI) file you need and which (if any) alternative Character Set (.#xx) files. You also need to know whether you will be downloading characters (see page 2).
- 2 Run the LocoScript Installation program as described in the *Upgrading LocoScript 2* section of the PCW8256/8512 Update Information booklet.  
*When the Installation Program asks you if you want to use external printers, make sure you star the correct options for downloaded or built-in characters.*
- 3 Load LocoScript from the new Start-up discs this creates.
- 4 Use the f3 Copy file option to copy the .PRI and .#xx files you've selected to group 0 of one of your Start-up discs.  
*If there isn't room for these files on your current discs, consult the section on 'Adding extra Support files' in the 8256/8512 Update Information booklet.*
- 5 If you have copied any .#xx files, it is ESSENTIAL that the first part of their filename (up to the dot) is the same as the corresponding .PRI file. If they are different, you MUST rename either the .#xx files or the .PRI files so that the first part of the name agrees.  
*For example, if you intend to use the HPLASERF.#T8 Character Set file with the HPLASER.PRI Printer Driver file, you could make the names consistent by renaming the first of these to HPLASER.#T8.*  
*If you will be downloading characters, we recommend making the names consistent by renaming the specified 24xxxx.PRI file to 24PIN.PRI.*  
*It doesn't matter whether you rename the .PRI or the .#xx files, but you must make sure they have the same name up to the dot.*
- 6 Finally, update the Settings file.  
*— as described opposite.*

If you have followed these instructions carefully, it is likely that the printer will now work correctly. But it is possible that you may need to set some of the printer's option switches. Option switches are described in Appendix III, but it's probably easiest to try printing something now and see if it works; most printer manufacturers set the option switches suitably at the factory.

## Installing a new printer on a 9512

- 1 Follow the instructions in the PCW9512 Update Information booklet to create a new Start-of-day disc. When you get to the stage of adding printer files for an external printer:  
  - 1 Consult Appendix I of this booklet to see which Printer Driver (.PRI) file you need and which (if any) alternative Character Set (.#xx) files. You also need to know whether you will be downloading characters (see page 2).

- 2 Use the f3 Copy file option to copy the .PRI and .#xx files you've selected to group 0 of your new Start-of-day disc.
- 3 If you have copied any .#xx files, it is ESSENTIAL that the first part of their filename (up to the dot) is the same as the corresponding .PRI file. If they are different, you MUST rename either the .#xx files or the .PRI files so that the first part of the name agrees.

*For example, if you intend to use the HPLASERF.#T8 Character Set file with the HPLASER.PRI Printer Driver file, you could make the names consistent by renaming the first of these to HPLASER.#T8.*

*If you will be downloading characters, we recommend making the names consistent by renaming the specified 24xxxx.PRI file to 24PIN.PRI.*

*It doesn't matter whether you rename the .PRI or the .#xx files, but you must make sure they have the same name up to the dot.*

- 4 Copy INSTALL.DRV (to use built-in characters) or LQ24.DRV (to download), or both. They must be copied to group 0 of your Start-of-day disc.

*Copy INSTALL.DRV from your latest Master disc. Copy LQ24.DRV from Disc 1 of the Printer Support Pack or the earlier 24 Pin Printer Drivers Disc.*

- 5 Now 'Tidy up the Disc' as described in the 9512 Update Information booklet.

*Don't erase the .PRI, the .DRV or the .#xx files you've just put on your new Start-of-day disc.*

- 6 Finally, update the Settings file.

*This is described in the next section.*

If you have followed these instructions carefully, it is likely that the printer will now work correctly. But it is possible that you may need to set some of the printer's option switches. Option switches are described in Appendix III, but it's probably easiest to try printing something now and see if it works; most printer manufacturers set the option switches suitably at the factory.

## Updating the Settings file

Whenever you make any changes to the printer files on your Start-up discs, it is important to update the Settings file on your Start-of-day disc. (If you are not sure whether you need to update or not, update anyway, as it can't do any harm.)

To update your Settings file:

- 1 Reload LocoScript using your updated Start-of-day disc by inserting this disc into Drive A and pressing the keys **[SHIFT]**, **[EXTRA]** and **[EXT]** together.
- 2 Once the Disc Manager Screen is displayed, press **[6]** to bring the Settings menu onto the screen. Press **[5]**, check your printer is among those listed, then press **[EXT]**. (If your printer is not there, consult Part IV of this booklet.)
- 3 There will generally now be further settings to make. You may want to make your printer the Standard printer, for instance, so that it will be the printer LocoScript

uses when it is first loaded. You may also want to set the type of paper, font or printwheel that the printer will use by default.

When you have just installed a new printer, it is particularly important to set the correct printer width and to tell LocoScript which port the printer is connected to. (Instructions for this are given in *Setting the Printer Options* below.)

If you are installing a daisy-wheel printer, you will also need to record details of its printwheels – see *Adding printwheels* in Part II of this booklet.

- 4 Press **[EXIT]** to choose the EXIT option and then press **[ENTER]**.
- 5 A message will appear offering to write the updated Settings file onto your disc. Check that your new Start-of-day disc is in Drive A and press **[ENTER]** to tell LocoScript to go ahead.  
Your Settings file is now updated.

## Making your printer the Standard printer

LocoScript recognises one printer as the *Standard* printer – the printer it will automatically set as the Current Printer when you load LocoScript. To set a particular printer as your Standard printer:

- 1 If you don't have the Settings menu displayed on the screen, press **[F6]** to display it.
- 2 Select Standard printer with the Menu cursor, and press **[ENTER]**.  
*You will see a list of all the printers currently known to the Settings file.*
- 3 Select the printer you wish to be your new Standard printer, and press **[EE]**.
- 4 Now press **[ENTER]** to leave the menu and return to the Settings menu.
- 5 When you leave the Settings menu, you will be given the option of writing the new SETTINGS.STD back to your Start-of-day disc. Put the disc into Drive A, then accept the option.

## Setting the Printer Options

**Note:** You may need to consult your printer's own manual in setting these options.

- 1 If you don't have the Settings menu displayed on the screen, press **[F6]** to display it.
- 2 Move the Menu cursor to Printer Defaults and press **[ENTER]**.  
*The Printer Defaults menu is then displayed.*
- 3 Move the Menu cursor to Defaults for printer and press **[ENTER]**.  
*A new menu appears.*
- 4 Move the Menu cursor to the name of the printer and press **[EE]**.  
*For example, if you copied the D630 set of printer files to your Start-of-day disc, move the cursor to D630 and press [EE].*

- 5 Press **[ENTER]** again.

You then return to the Printer Defaults menu, which now refers to your new printer (as you can see from the Defaults for printer line of the menu).

- 6 Move the cursor down to Printer Options and press **[ENTER]**.

(There are different versions of this menu, depending on whether you are using a PCW8256/8512 or a PCW9512. The version illustrated is the PCW8256/8512 version.)

Options for D630
Printer Width 132
Top of form line 7
Sheet feeder
Interface options
✓ CPS 8256 Parallel
CPS 8256 Serial

- 7 Set the printer width.

The number you need here is the length of the longest line of text your printer can print, expressed in tenths of an inch. (This is often, but not always, the width of the widest paper on which it can print.) The permitted range of values is 40 (4 inches) to 290 (29 inches).

For example, if the widest paper you can use is 14.2" wide but the printer cannot print on either the first or the last 1/8", the number you need is 132. With the Menu cursor on Printer width, type this number and press **[ENTER]**.

- 8 Tick the Interface option (Parallel or Serial) corresponding to the connector to which the printer is attached. To do this, position the Menu cursor over the correct option and press **[EE]**.

On the PCW9512 there may be two parallel options: Parallel (for printers which connect to the PCW's built-in parallel port) and CPS 8256 Parallel (for printers which connect to the parallel port on the Parallel/Serial interface). Make sure you tick the correct one.

- If you select one of the Parallel ports, this is all you need to specify but if you select a Serial port, the menu is extended because you need to set further options – which baud rate it works at and what parity and protocol it uses.

**Baud:** The baud rate specifies the rate at which information should be sent to the printer. Type the baud rate your printer requires and press **[ENTER]**.

If your printer gives you a choice of baud rates, we recommend you to set the highest baud rate (up to 9600) it can use. Any non-standard value you type will be converted to one of the standard baud rates (300, 600, 1200, 1800, 2400, 3600, 4800, 7200, 9600).

**Parity:** This specifies the type of checks that are made to ensure that information is sent correctly. Select the parity required by your printer and press **[EE]**.

**Protocol:** This specifies how the printer and LocoScript will let each other know that they are ready to send and receive information. Select the protocol appropriate to your printer and press **[EE]**.

The printer's own manual should tell you what you need to set in each case.

- 9 When you have finished making these settings, press **[ENTER]**. You will be returned to the Printer Defaults menu, where you can set the default paper, font or printwheel details as described overleaf.

## Setting the default paper, font or printwheel

You can also record in the Settings file the type of paper, the font or a printwheel that you want your printer to be initially set up for. If you only ever use one type of stationery or one printwheel on a particular printer, you need never worry about setting up this printer again. LocoScript looks after it for you.

The way to set these Defaults is once again via the Printer Defaults option in the Disc Manager Screen's f6 Settings menu. This menu contains details of a Paper Type, Character Set and Character Style. On a dot-matrix printer or a laser printer, the Default Character Set defines the font you want to use (the Character Style can be ignored); on a daisy-wheel printer, the Default Character Set and Character Style together specify the printwheel you require.

This menu can be used to set the defaults for any printer that you have installed. To select the printer you wish to set the defaults for, move the Menu cursor to Defaults for printer and press **[ENTER]**; then when the menu of printers appears, move the cursor to the printer you want and press **[H]** followed by **[ENTER]**.

To set the Paper Type, check that the Menu cursor is on Default Paper Type and then press **[ENTER]**. LocoScript then displays a list of the Paper Types it knows.

Move the Menu cursor to the Paper Type you want and press **[H]** in the usual way. If you have selected a Single Sheet type of stationery, now set whether this is to be used Landscape (ie. sideways) or Portrait (lengthways). Finish setting the Paper Type by pressing **[ENTER]**; you are then returned to the Printer Defaults menu.

To set the Character Set, move the Menu cursor to Default Set and press **[ENTER]**. This gives you a list of all the Character Sets for your chosen printer. Select the Character Set you want by moving the Menu cursor to it and pressing **[H]**. Then press **[ENTER]** to return to the Defaults menu.

To set the Character Style, select Default Style and press **[ENTER]** to see the menu listing all the Character Styles that have been set up for your chosen Character Set. Pick out the Style you want by moving the Menu cursor to this option and pressing **[H]**; then press **[ENTER]** to return to the Defaults menu again.

**Note:** The printer files are typically set up with dummy Character Styles called *Vanilla*. A dummy Style is fine to use for a dot-matrix printer, but when you are using a daisy-wheel printer, it is important to select a Character Style that properly represents the printwheel you will be using. In particular, it is essential that the size associated with the Character Style is correct; otherwise your text may not be underlined correctly when using this wheel. If no such style is available, you may select one of the available styles but only temporarily. At your earliest opportunity, you should to set up a Character Style specifically for each printwheel, as described in *Adding printwheels* in Part II of this booklet, and then come back and select this as the Default Style.

When you have finished setting all the defaults for this printer, either set all the defaults for another printer or select the **EXIT** option at the bottom of the menu and return to the Settings menu. If you are offered the option of writing the new Settings file to disc when you leave the Settings menu, you should make sure your Start-of-day disc is in Drive A, and then accept this option.

## WORKED EXAMPLES

### Example 1: Installing an FX-800 printer on a PCW8256/8512 (built-in characters)

- Look up Epson FX-800 in Appendix I. This tells you that the files available for this printer are FX800.PRI and an extra Character Set file, FX800.#SS. Download isn't listed as an option for this printer so you will be using the printer's built-in characters.
- Run the Installation program on Side 2 of your Master disc. When the program asks you to select the printer(s) you want to use, include External printers using printer's built-in characters in your selection.
- Load LocoScript 2.
- Copy (using the f3 File menu) FX800.PRI and FX800.#SS to group 0 on one of your Start-up discs. Make sure that you copy from a disc supplied for use with LocoScript v2.12 or later.

*(It is just possible that there may not be room on the disc to store this file. If you need to use another disc, read the section 'Adding further Support files' in the Update Information booklet.)*
- Reload LocoScript from your Start-of-day disc by holding down **[SHIFT]** and **[EXTRA]** while you press **[EXIT]**. Then press **[H]** to bring the Settings menu onto the screen.
- Move the cursor to Printer Defaults and press **[ENTER]**. Move the cursor to Defaults for printer and press **[ENTER]**. With the cursor over FX800, press **[H]**. Press **[ENTER]** to return to the Printer Defaults menu.
- With the cursor over Printer options, press **[ENTER]**. Set the maximum width of the printer – in this case to 80 – so that LocoScript doesn't try to print past the right hand edge of the printer. Select the appropriate option to tell LocoScript whether the printer is plugged into a parallel or serial interface.

*If your printer is connected through the Serial interface, you'll have some extra settings to make. See 'Setting the Printer Options' on page 6.*
- Press **[ENTER]**, then **[EXIT]**, and then **[ENTER]** to return to the Settings menu.
- Move the cursor to Standard Printer and press **[ENTER]**. With the cursor over FX800, press **[H]**. Selecting the printer on this menu means that LocoScript will be ready to use the printer whenever you load LocoScript. Press **[ENTER]** to return to the Settings menu.
- Press **[EXIT]** to choose the **EXIT** option and then press **[ENTER]**. When the option to write **SETTINGS.STD** on the disc in Drive A appears, check that your Start-of-day disc is in Drive A, and press **[ENTER]**.
- Reload LocoScript from your Start-of-day disc by pressing **[SHIFT]**, **[EXTRA]**, and **[EXIT]**.

*These steps have set up LocoScript to use the Epson FX-800 printer.*

### Example II: Installing an FX-800 printer on a PCW9512 (built-in characters)

- Look up Epson FX-800 in Appendix I. This tells you that the files available for this printer are FX800.PRI and an extra Character Set file, FX800.#SS. Download isn't listed as an option for this printer so you will be using the printer's built-in characters.
- Create a new Start-of-day disc, as described in the 9512 Update Information Booklet. Load LocoScript 2 from it.
- Copy (using the f3 File menu) INSTALL.DRV from your most recent Master disc to group 0 of your Start-of-day disc.
- Copy FX800.PRI and FX800.#SS to group 0 of your Start-of-day disc. Make sure that you copy these files from a disc supplied for use with LocoScript v2.12 or later.
- Reload LocoScript from your Start-of-day disc by holding down **[SHIFT]** and **[EXTRA]** while you press **[EXIT]**. Then press **[F6]** to bring the Settings menu onto the screen.
- Move the cursor to Printer Defaults and press **[ENTER]**. Move the cursor to Defaults for printer and press **[ENTER]**. With the cursor over FX800, press **[F4]**. Press **[ENTER]** to return to the Printer Defaults menu.
- With the cursor over Printer options, press **[ENTER]**. Set the maximum width of the printer – in this case to 80 – so that LocoScript doesn't try to print past the right hand edge of the printer. Select the appropriate option to tell LocoScript whether the printer is plugged into a parallel or serial interface.  
*If your printer is connected through the Serial interface, you'll have some extra settings to make. See 'Setting the Printer Options' on page 6.*
- Press **[ENTER]**, then **[EXIT]**, and then **[ENTER]** to return to the Settings menu.
- Move the cursor to Standard Printer and press **[ENTER]**. With the cursor over FX800, press **[F4]**. Selecting the printer on this menu means that LocoScript will be ready to use the printer whenever you load LocoScript. Press **[ENTER]** to return to the Settings menu.
- Press **[EXIT]** to choose the EXIT option and then press **[ENTER]**. When the option to write SETTINGS.STD on the disc in Drive A appears, check that your Start-of-day disc is in Drive A, and press **[ENTER]**.
- Reload LocoScript from your Start-of-day disc by pressing **[SHIFT]**, **[EXTRA]**, and **[EXIT]**.  
*These steps have set up LocoScript to use the Epson FX-800 printer.*

### Example III: Installing a NEC P6 Plus in Download mode on a PCW8256/8512

- Look up NEC P6 Plus in Appendix I. This tells you that the Printer Driver file needed to use this printer in Download mode is 24NECP6.PRI, while Note ① on page 67 tells you about the Character Set files that are available: 24PIN.#ST; 24PIN.#SS; 24PIN.#LT; and 24PIN.#LS.
  - Run the Installation program on Side 2 of your Master disc. When the program asks you to select the printer(s) you want to use, include External printers using downloaded characters in your selection.
  - Load LocoScript 2.
  - Copy the following files to group 0 of one of your Start-up discs. They are found on discs in the Printer Support Pack and on the (obsolete) 24-pin Printer Drivers Disc.
    - 24NECP6.PRI. As you copy 24NECP6.PRI, you must rename it to 24PIN.PRI. (If you don't carry out this step, the name won't match the Character Sets and you won't be able to print at all on your printer.)
    - 24PIN.#ST and 24PIN.#SS (the Standard & Sans Serif typestyles) or 24PIN.#LT and 24PIN.#LS (the lighter versions of the same typestyles). If you want, you can copy all four files allowing you to choose which typestyle you want, and whether you want it printed in normal or light weight.
- (You may need to use more than one disc to store these files: see the section on Adding further Support files in the PCW8256/8512 Update Information booklet.)
- Reload LocoScript from your Start-of-day disc by holding down **[SHIFT]** and **[EXTRA]** while you press **[EXIT]**. Then press **[F6]** to bring the Settings menu onto the screen.
  - Move the cursor to Printer Defaults and press **[ENTER]**. Move the cursor to Defaults for printer and press **[ENTER]**. With the cursor over 24PIN, press **[F4]**. Press **[ENTER]** to return to the Printer Defaults menu.
  - With the cursor over Printer options, press **[ENTER]**. Set the maximum width of the printer – in this case to 80. Select the appropriate option to tell LocoScript whether the printer is plugged into a parallel or serial interface.  
*If your printer is connected through the Serial interface, you'll have some extra settings to make. See 'Setting the Printer Options' on page 6.*
  - Press **[ENTER]**, then **[EXIT]**, and then **[ENTER]** to return to the Settings menu.
  - Move the cursor to Standard Printer and press **[ENTER]**. With the cursor over 24PIN, press **[F4]**. Selecting the printer on this menu means that LocoScript will be ready to use the printer whenever you load LocoScript. Press **[ENTER]** to return to the Settings menu.
  - Press **[EXIT]** to choose the EXIT option and then press **[ENTER]**. When the option to write SETTINGS.STD on the disc in Drive A appears, check that your Start-of-day disc is in Drive A, and press **[ENTER]**.
  - Reload LocoScript from your Start-of-day disc by pressing **[SHIFT]**, **[EXTRA]**, and **[EXIT]**.  
*These steps have set up LocoScript to use the NEC P6 Plus printer.*



- 6 If either the new .PRI or the .#xx files have a different first part to their name (up to the dot) from that of the .PRI and .#xx files you erased, give the new files the old name.

*For example, if you have replaced LQ1500.PRI by LQ1500X.PRI, rename the new file LQ1500.PRI.*

*The advantage in doing this is that the new printer files will then automatically be selected by documents that have the old printer name recorded as the Intended printer. The alternative is to re-select the Intended printer in every document that uses this printer.*

*Note: You must in any case ensure that the new .PRI file and the new .#xx files have the same first part to their name.*

- 7 Finally, update the Settings file.  
— as described on page 5.

### **On a 9512:**

Follow the instructions in the 9512 Update Information booklet to create a new Start-of-day disc. When you get to the stage of adding printer files for an external printer:

- 1 Consult Appendix I of this booklet to see which .PRI and which (if any) .#xx files you should now use. You also need to know whether you will be downloading characters (see page 2).
- 2 Use the F3 Copy file option to copy the .PRI and .#xx files you've selected to group 0 of your new Start-of-day disc.
- 3 If either the new .PRI or the .#xx files have a different first part to their name (up to the dot) from that of the .PRI and .#xx files you erased, give the new files the old name.

*For example, if you have replaced LQ1500.PRI by LQ1500X.PRI, rename the new file LQ1500.PRI.*

*The advantage in doing this is that the new printer files will then automatically be selected by documents that have the old printer name recorded as the Intended printer. The alternative is to re-select the Intended printer in every document that uses this printer.*

*Note: You must in any case ensure that the new .PRI file and the new .#xx files have the same first part to their name.*

- 4 Copy INSTALL.DRV (to use built-in characters) or LQ24.DRV (to download), or both. They must be copied to group 0 of your Start-of-day disc.  
*Copy INSTALL.DRV from your latest Master disc. Copy LQ24.DRV from Disc 1 of the Printer Support Pack or the earlier 24 Pin Printer Drivers Disc.*
- 5 Now 'Tidy up the Disc' as described in the 9512 Update Information booklet.  
*Don't erase the .PRI, the .DRV or the .#xx files you've just put on your new Start-of-day disc.*
- 6 Finally, update the Settings file.  
— as described on page 5.

## **Adding extra Character Set files**

There are three reasons why you may wish to add further Character Sets after you have installed your printer.

- *You may have bought a new font card or printwheel which needs a Character Set file which you've not needed before.*
- *You may have bought LocoFont 24, and wish to add its new Character Sets to those currently installed for your download printer.*
- *You may have designed your own Character Set file using either the CHARKIT or the LocoChar 24 programs.*

To install the Character Set:

- 1 Copy the Character Set file (the .#xx file) to group 0 of one of your Start-up discs.
- 2 Update the Settings file as explained in the section *Updating the Settings File*, on page 5.
- 3 If the Character Set you have installed is for a daisy-wheel printer, you must then carry out the steps in *Adding printwheels* overleaf.

**Note:** You cannot have more than ten Character Sets installed at once. If you have already reached the limit, you must remove a Character Set (as described in the next section) before you can install any more.

## **Removing a Character Set**

— to make space for a new Character Set both on Drive M and in the Settings file.

- 1 Erase the Character Set file from your Start-up discs.  
*Remember that the built-in printer on the PCW8256/8512 and any printer which accepts downloaded characters must have at least one Character Set file to work with.*
- 2 Reload LocoScript by pressing **[SHIFT]**, **[EXTRA]**, and **[EXIT]** together.
- 3 Press **[F5]** to call up the Settings menu. Select the option For printer and press **[ENTER]**.
- 4 You will see a list of printers. Use the Menu cursor to select the printer whose Character Set you have deleted, press **[F5]** to tick it, and then press **[ENTER]** to return to the Settings menu.
- 5 Now move the Menu cursor to the option For character set and press **[ENTER]**.
- 6 You will see a list of Character Sets, with one whose files you have deleted marked with a question mark. Select this set, and press **[F5]**. The Character Set's name will disappear from the menu and you will be returned to the Settings menu.
- 7 Press **[EXIT]** followed by **[ENTER]** to leave this menu. You will see a message asking if you want to write the new Settings file back to the disc in Drive A. Check that your Start-of-day disc is in Drive A, and press **[ENTER]**.  
*The Character Set is now removed.*



## Adding printwheels

Each printwheel for an external daisy-wheel printer needs to be recorded as a separate Character Style in LocoScript's Settings file.

The first thing to establish is which Character Set describes the arrangement of the characters on the printwheel. To do this, check that your printer is selected as the Current printer (see Part III), fit the printwheel in the printer and use the steps given on page 27 to select the Current Character Set. Then print a sample document using the Current printer and the Current Character Set/Style. If you selected the wrong Character Set, some of the characters will be wrong.

Once you know which Character Set to use, set up the Character Style as follows:

- 1 Display the Disc Manager Screen, insert your Start-of-day disc, press **[Z]** to signal the disc change and then press **[F6]** to display the Settings menu.
- 2 Select For printer and press **[ENTER]**.
- 3 Tick the appropriate printer, and then press **[ENTER]** to return to the Settings menu.
- 4 Select For character set and press **[ENTER]**.

*You then see a list of the Character Sets associated with this printer.*

- 5 Select the Character Set that is appropriate to your wheel and press **[ENTER]**. LocoScript returns you to the Settings menu, which now shows the names of the printer and the Character Set you have just picked out.

Character Style
Name : Elite Pitch : 12
For Character Set UK ASCII 96 For printer D630
► Create new Style

- 6 You are now ready to start defining the Character Style. Select New Character Style and press **[ENTER]**: a menu like this will then appear.

Type in the name of your new printwheel, then move the cursor to the next line of the menu, type its pitch and press **[ENTER]**.

*These details are on the wheel itself, which will have something like Elite 12 written on it. Here, the name of the wheel is Elite and its pitch is 12.*

*Often you can just copy the name on the printwheel but you will have to shorten any names that are more than 12 characters. The name doesn't have to be exactly what is marked on the wheel, just near enough to remind you. The pitch, however, does need to be correct.*

- 7 Press **[ENTER]** to select the Create new Style option in the bottom section of the menu.

*When you press **[ENTER]**, LocoScript returns you to the Settings menu. If you have another new wheel to install on your system, you could do this now by repeating Steps 4 – 7 (if the wheel uses a different Character Set) or 6 – 7 (if it uses the same Character Set).*

- 8 Press **[EXIT]**, and then press **[ENTER]**. LocoScript now offers to update the SETTINGS.STD on your Start-of-day disc. Make sure that you have your Start-of-day disc in Drive A and then press **[ENTER]**.

## Adding a sheet feeder

If you intend to use a sheet feeder which is not an integral part of your printer (ie. it is an optional extra) you must follow these instructions. If your sheet feeder is built into the printer (or you don't have a sheet feeder) you can ignore this section.

- 1 Display the Disc Manager Screen. Press **[F6]** to enter the Settings menu.
  - 2 Check that the menu is showing the name of the printer you wish to install the sheet feeder on. If it isn't, select For printer, press **[ENTER]**, select the correct printer, press **[H]**, then press **[ENTER]** again to return to the Settings menu.
  - 3 Select Printer defaults and press **[ENTER]**.
  - 4 Select Printer options and press **[ENTER]**.
  - 5 Select Sheet feeder and press **[H]**.
  - 6 Press **[ENTER]**, followed by **[EXIT]**. Now press **[ENTER]** again to return to the previous menu, then **[EXIT]** followed by **[ENTER]** yet again. You will see a message offering to write your new Settings file back to the disc in Drive A. Put your Start-of-day disc in Drive A, and press **[ENTER]** for the last time.
- Your printer now has the sheet feeder option set as its default. To learn about using the sheet feeder, see Part III of this booklet.*

## Removing a printer

*—for example, to make space for a new printer in the Settings file.*

- 1 Erase the printer's PRI file from group 0 of your Start-up disc or discs. If there are any Character Set files with the same name erase them too.  
*For example, if you erase M1818.PRI, you should also erase M1818#QR, if it's there.*
  - 2 If the only printer files remaining on your system are for downloaded characters or the built-in printer, you can erase INSTALL.DRV from your Start-of-day disc. Similarly, if the only files remaining are for built-in characters or the built-in printer, you can erase LQ24.DRV.
  - 3 Reload LocoScript by pressing **[SHIFT]**, **[EXTRA]**, and **[EXIT]** together.
  - 4 Press **[F6]** to call up the Settings menu. Select For printer and press **[ENTER]**.
  - 5 You will see a list of printers, with the printer whose files you have deleted marked with a question mark. Select this printer, and press **[GUT]**. The printer's name will disappear from the menu and you will be returned to the Settings menu.
  - 6 Press **[EXIT]** followed by **[ENTER]** to leave this menu. You will see a message asking if you want to write the new Settings file back to the disc in Drive A. Check that your Start-of-day disc is in Drive A, and press **[ENTER]**.
- If you wish to remove the built-in printer, you can remove the files MATRIX.PRI and PCW9512.PRI and their associated Character Set files but you cannot remove the printer details from the Settings file.*

