

## PAGE LAYOUT

### *Print line size definitions.*

- LMn** Set the Left Margin at n chrs from the beginning of line in current character size. Default position is 0. Position may be from 0 to 254.
- LM+n** Move the Left Margin right by n chrs from its present position.
- LM-n** Move the Left Margin leftwards by n chrs from its present position.
- RMn** Set Right Margin at an absolute position of n current sized characters from position zero (not from the margin). The position may be from 0 to 254.
- LSn** Set Line Spacing to n lines per inch. The default on start up is 6 lpi. You can set from 1 to 12 lpi (5, 7, 10 and 11 lpi are NOT precise, so use them carefully).

### *Page length definitions*

- PLn** Set Page Length to n current line spaces. The startup default is 66 lines. May be set from 1 to 127 lines.
- PI n** Set Page Length to n inches. The default is 11 and it may be set from 1 to 21 ins.
- SKn** SKip n lines over perforations at the end of each page. The default may be 0 or 3. Up to 127 lines may be skipped.
- XK** Cancel all page end skip, ie, set to 0.

### *Preset position control*

- SHp1,p2,p3...pn**  
Set Horizontal tabs at position p in current characters starting from the current left margin position. The position can be from 1 to the line length. Up to 32 may be set at once. Default is every 8th chr. at 10 cpi.

- SVc,L1,L2...Ln**  
Set Vertical tab positions for channel c at line(s) L1,L2,Ln in the current line space size. Channel can be from 0 to 7, up to 16 positions may be set on line numbers from 1 to 220.

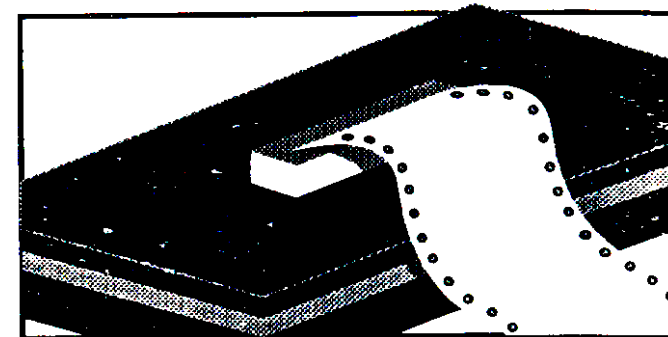
## PRINT CONTROL

### *General printer control*

- DMn** Define Macro number n, followed by the definition. Macros are numbered 0 to 9.
- CMn** Call Macro number n and execute it.
- FM(filename)** File Macros. Saves any current macro definitions to the filename or to the default filename HDMACRO.
- GM(filename)** Get Macros. Loads new macros from named file or the default filename.
- KMn** Kill Macro. Deletes a specified macro.
- KA** Kill All. Delete all current macros.
- SM** Show Macros. Display current macros.
- PC** Printer Code, followed by an entry similar to macro definitions. Sends the entered codes directly to the printer on a "one off" basis.
- CLn** Select Ink colour n(n = 0 to 6).
- UP** Set unidirectional print.
- BP** Set bidirectional print (default).
- DO** Page end Detector Off. (allows printing to the bottom of each page)
- PD** Page end Detector on. (the default)
- EO** Enable Output (ie, Printer on)
- XO** Cancel Output (ie, Printer off)
- D&c** Define printed pound as chr.c. (c is any printable character. Default is 35. (#).
- PS** Printer Status shows page size, printer status, current font, print mode and pound def. etc.
- VP** View Print (immediate print and feed. Printer must have reverse feed).
- XV** Cancel View print.
- Computer Controls*
- PM** Paged Mode on
- PO** Paged Mode off
- RK** Enable Record Keys
- XR** Cancel key Recording
- SF** Screen Effects on
- XF** Cancel screen effects
- TP** Test Print on
- XT** Cancel Test print
- VD** View Driver initialization
- WA** WAit stops anything until return is pressed
- National Character Sets*
- CSn** Selects Character Set n as follows:-

# HyperDriver

The ultimate Printer Control System  
for the BBC Micro Model B/B+/Master Series



## Quick Reference Card

by Robin Burton

## PRINT MODE COMMANDS

CO	Condensed print
XC	Cancel Condensed
DS	Double Strike mode
XD	Cancel Double strike
EL	Elite (The standard 12 pitch font)
EM	Emphasised mode
XM	Cancel Emphasised
ET	Enlarged Temporary (for this line only)
EP	Enlarged Permanent (until cancelled)
XE	Cancel Enlarged
IT	Italics (or alternate mode)
XI	Cancel Italics
PI	Pica (The power up default font)
PR	Proportional spacing (Tabs etc. as PICA)
XP	Cancel Proportional
QM	Quiet Mode (Half speed printing)
XQ	Cancel Quiet Mode (Reset normal speed)
SB	Subscript (Half height on normal line)
SP	Superscript (Half height at top of line)
XS	Cancel Superscript or Subscript
UN	or ...
UL	Underline on (The two do the same)
XU	Cancel Underline
XL	Cancel the print line since the last printer linefeed execution.
RS	Reset Standard mode (Cancels all print modes and sets normal PICA. It leaves the page layout and character set unchanged)
XX	Cancel all printer and HyperDriver settings to their default values
GP	Graphics Print. Prints the micro's mode 0 to 6 screen display characters
XG	Cancels Graphics print mode
NL	Selects the integrated NLQ font
XN	Cancels the NLQ font

## PAPER FEED COMMANDS

	<i>Vertical movements</i>
LF	Linefeed once
LFn	Linefeed repeated n times. The repeat can vary from 2 to 220 times
RF	Reverse linefeed once. Reverse linefeed spacing varies with the forward line space size as set by *LSn
RFn	Reverse linefeed repeated n times. The repeat can vary from 2 to 220 times
CHc	selects the vertical tab CHannel to be used for subsequent *VT commands. The channel numbers depend on your printer but will be within the range 0 to 7.
VT	Vertical Tab once in the currently selected vertical tab channel.
VTn	Vertical Tab repeated n times from the current line position. Up to 16 repeats can be requested.
FF	Form Feed. Moves the paper forward to the first printable line of the next page.
	<i>Horizontal movements</i>
CR	Carriage Return without line feed. Reverse tabs to the current left margin.
HT	Horizontal Tab once from the current print head position.
HTn	Horizontal Tab repeated n times from the current position up to 32 times.
BS	Backspace one character
BSn	Backspace repeated n times from the current position towards the left margin. n may be from 2 to the current character position (up to 254).

## MACRO DEFINITIONS

Use this page to record your own macro definitions in the boxes provided.

Disc:	Macro file:
No	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Disc:	Macro file:
No	
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

To generate a macro follow the DM command with the ASCII bytes required. For example, to make the printer beep - a useful test of whether it is online - type:

\*DM 1,7

because ASCII code 7 is the beep signal. To use this, type:

\*CM1.