TASCOPY 464
The Screen Copier
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1. INTRODUCTION

TASCOPY gives CPC 464 owners with popular dot-matrix printers the
ability to print two sizes of screen copy for each display mode:
an A4 size screen copy and a large "poster size" copy. The
"poster size" copy is printed onto separate sheets which can be
cut and joined.

When loaded and configured to run with your printer the screen
copies are invoked by the new Basic commands:-

|COPY   for an A4 size screen copy

|POSTER   for a "poster size" screen copy

Before using the TASCOPY software you must configure it for your
make and model of printer. This procedure is described in Section
2 below.

2. LOADING AND CONFIGURING TASCOPY

The COPY and POSTER programs are recorded on opposite sides of
the tape. They must both be configured for your make and model of
printer by following the procedure described in this section.

Before loading from the TASCOPY 464 cassette reset the computer
by holding down [CTRL] and [SHIFT] and pressing [ESC]. Then place
the TASCOPY cassette in the datacorder and type:

                         RUN"
and press
                         ENTER

Note that the above command can also be achieved by holding down
the control key [CTRL] and pressing the small [ENTER] key on the
numeric pad. You will then be prompted to press the datacorder
PLAY key and then any other key. The message:

                    Loading COPY.BAS block 1
or   Loading POSTER.BAS block 1

will appear depending on which program you are loading.

Once the program has loaded it will ask you to specify:

(a) Your make and model of printer;

(b) Whether your printer requires a linefeed code in addition to
    a carriage return (if in doubt then follow the course of
    action suggested by the program);

(c) Whether you wish to redefine the dot pattern printed for any
    of the screen colours. You should normally respond by
    pressing N for No for this option. (This option is described
    in Section 6.);

(d) Whether you wish to save the configured program onto a blank
    tape. If you do save the configured program then it will load
    more quickly than the full program but please refer to the
    restrictions described in Section 4.

After step 4 above, and whether or not you saved the configured
program, the computer returns to Basic and shows the normal Basic
message "Ready" at the top left hand corner of a cleared screen.
Screen copies may now be printed as described in Section 3 below.

3. USING TASCOPY 464

If the COPY program is loaded then a screen copy is printed by
executing the command:
                         |COPY

where the | symbol is obtained by holding one of the SHIFT keys
down and pressing the @ key. (The @ key is immediately right of
the P key.)

Similarly, if the POSTER program has been loaded, then a poster
size screen copy is printed by executing the command:

                        |POSTER

The |COPY and |POSTER commands may be either executed directly or
may be in a line of your own Basic program.

To abandon the printing of a screen copy press the escape [ESC]
key.

4. LOADING AND USING A CONFIGURED VERSION OF TASCOPY 464

A configured COPY or POSTER program will load very much more
quickly than the programs supplied on the TASCOPY 464 tape but
the following rules should be adhered to:

(a) Always load your configured COPY or POSTER program
    immediately after turning the computer on or after resetting;

(b) If you attach any device to the computer which uses memory
    (i.e the disc interface) then the TASCOPY 464 configuring
    programs have to be loaded and run again to create new
    configured COPY and POSTER programs which will load and run
    with the new memory configuration.

5. LOADING AND USING BOTH THE COPY AND POSTER PROGRAMS

Both the COPY and the POSTER programs may be loaded one after the other.

If loading with the configuring programs from the TASCOPY 464 tape then load and configure either the COPY program or the POSTER program from one side of the tape. When the configuring is complete and the Basic "Ready" message shows at the top of an empty screen then do NOT reset the computer. Load the second program from the other side of the TASCOPY 464 tape and configure it in the normal way. Both the |COPY and |POSTER commands may then be used.

In order to be able to load configured COPY and POSTER programs you must configure them as described in the above paragraph, saving each, preferably onto the same tape, when given the option. This is because they must be loaded in the order in which they were saved.

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6. SCREEN PIXEL REPRESENTATION

When a screen copy is printed each pixel (dot) on the screen is printed as a pattern of dots. The printed dot pattern depends on the colour of the screen pixel. The printed dot pattern for any colour in any mode may be redefined using the configuring program option referred to in Section 2(c).

When this option is used the screen prompts are largely self explanatory. Each square that is filled in the grid patterns corresponds to a dot that will be printed. The editing commands that are shown on the screen may be used to change the dot patterns for any specified colour in any screen mode. Once a particular dot pattern has been edited the replace "R" command must be used to specify that this is the new dot pattern to be used in future.

• 7. SCREEN COPY FORMATS

a) |COPY type:
        Mode 0: one sheet horizontally
        Mode 1: one sheet sideways on
        Mode 2: one sheet sideways on

b) |POSTER type :
        Mode 0: 2 sheets horizontally
        Mode 1: 4 sheets sideways on
        Mode 2: 4 sheets sideways on

NOTICE

Some printer manuals warn that the continuous printing of bit
image data can damage the printhead. Whilst no such damage was
detected during comprehensive testing of the Tascopy 464 software
Tasman Software Ltd can assume no responsibility for any damage
so caused.

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it is supplied and in any customised or amended form.

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TASPRINT 464

The Style-Writer

Tasprint 464 drives the following printers

Amstrad DMP 1
Epson FX-80
Epson RX-80
Epson MX-80 Type III
Shinwa CP-80
Mannesmann Tally MT80
Star DMP 510/515
Brother HR5

ORIGINAL

TASPRINT
464

The Style-Writer

A
Tasman Software Program
for the
Amstrad CPC 464

TASPRINT 464

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1. INTRODUCTION

TASPRINT gives CPC 464 users with popular dot-matrix printers the option of printing in one of a set of five additional print styles. Each style of print is called a font.

TASPRINT produces output with characters that are twice the normal height of dot-matrix output. The width of each character may be greater or less than the normal width depending upon the graphics capabilities of the printer.

Each of the five TASPRINT fonts must be configured for the printer on which they are to be used. This is accomplished by loading and running the program on the TASPRINT tape as described in Section 2 below. The fonts are then saved onto a blank tape. To print using a TASPRINT font it is then only necessary to load the font from your tape before typing in or loading your own program.

2. LOADING AND CONFIGURING TASPRINT

Load and run TASPRINT by placing the cassette in the datacorder and typing:

<div align="center">RUN"</div>

and pressing:

<div align="center">ENTER</div>

Note that this can also be done by holding down the control [CTRL] key and pressing the small [ENTER] key on the numeric keypad. You will then be prompted to press the datacorder PLAY key and then any other key. The message:

<div align="center">Loading TASPRINT.BAS block 1</div>

will appear on the screen as the program begins loading. Once the Basic program has loaded some explanatory text is shown on the screen while the five TASPRINT fonts are loaded. The complete loading process takes about seven minutes.

Once TASPRINT has loaded follow the instructions that appear on the screen to create the five fonts and machine code programs configured for your make of printer. You will then be prompted to save each of the fonts onto your own tape. The program stops after saving each font so that you may if you wish save each onto a separate tape. This facilitates finding and loading any required font.

3. LOADING A CONFIGURED TASPRINT FONT

Only one TASPRINT font may be loaded.

It is advisable to load a TASPRINT font immediately after the machine is turned on or reset and before loading any other program. It is essential to do this with programs such as AMSWORD/TASWORD 464 which assign all the available memory to their own use. A TASPRINT font will protect itself from these predatory programs.

To load a configured TASPRINT font put the tape containing the required font into the datacorder and execute one of the following:

<div align="center">
RUN"LECTURA.BAS"
RUN"MEDIAN.BAS"
RUN"COMPACTA.BAS"
RUN"DATARUN.BAS"
RUN"PALACE.BAS"
</div>

To load the first font on the tape just execute:

RUN"

Once the font has loaded the "Ready" message will appear at the top of an empty screen. You can now type in your own commands or program or load a program from tape.

Once a font has loaded all characters sent to the printer by executing

PRINT#8   or   LIST#8

will be intercepted by the TASPRINT software. The printer will print its normal character set until the font is turned on. The font is turned on by executing one of the first five of the following, depending on which font is loaded:

Font	Font on Command	Function Key
Lectura Light	PRINT#8,CHR$(214)	1
Median	PRINT#8,CHR$(215)	2
Compacta	PRINT#8,CHR$(216)	3
Data Run	PRINT#8,CHR$(217)	4
Palace Script	PRINT#8,CHR$(218)	5
Any Font Off	PRINT#8,CHR$(246)	9
Underline On	PRINT#8,CHR$(212);	0
Underline Off	PRINT#8,CHR$(244);	.

To facilitate the entry of the Font On commands TASPRINT automatically defines the appropriate function key when a font is loaded. For example, if Compacta is loaded then

PRINT#8,CHR$(216)   and   [ENTER]

is obtained by holding down the [CTRL] key and pressing the [3] key on the numeric keypad.

Once the loaded font has been turned on using the appropriate Font On command all subsequent

PRINT#8   and   LIST#8

statements will be printed in the TASPRINT font. To turn the font off and revert to normal printing use the function key [CTRL] [9] to obtain:

PRINT#8,CHR$(246)   and   [ENTER]

as indicated in the above table of TASPRINT commands.

While the font is turned on output may be underlined by [CTRL] [0], or equivalently, by

PRINT#8,CHR$(212);

Underlining is turned off by [CTRL] [.] which is equivalent to:

PRINT#8,CHR$(244);

4. THE TASPRINT CHARACTER SET

The TASPRINT character set consists of the standard ASCII symbols and the 2nd character set used by AMSWORD/TASWORD 464. This character set is listed in the appendix.

For example, to print the â character: This character is listed in the appendix as having code 164. To print this character when a TASPRINT font is On execute:

PRINT #8,CHR$(164)

5. TASPRINT AND AMSWORD/TASWORD 464

5.1 CONFIGURING AMSWORD/TASWORD 464

THIS SECTION ONLY APPLIES TO VERSION 1.02 OF AMSWORD/TASWORD 464. NO CONFIGURING IS NECESSARY FOR SUBSEQUENT VERSIONS. TO SEE YOUR VERSION NUMBER GO INTO BASIC AND EXECUTE LIST 10.

(1) Load AMSWORD/TASWORD in the usual way (RUN");

(2) Go into Basic by pressing [CTRL] [ENTER] and then [B] followed by [ENTER];

(3) Place the TASPRINT tape in the datacorder;

(4) Type: MERGE "TP" and press [ENTER];

(5) You will be prompted to press the PLAY button and then any key. This merges a short program which is recorded on the TASPRINT tape immediately after the fonts;

(6) Type RUN and press [ENTER] and after the "Ready" prompt appears type RUN and press [ENTER] again;

(7) You will see the word processing program running normally. Save your modified program as described on page 9 of the program manual.

5.2 LOADING TASPRINT AND AMSWORD/TASWORD 464

Load the required font first as described in Section 3. Then load your AMSWORD or TASWORD 464 in the normal way by executing RUN".

AMSWORD/TASWORD will run normally once loaded. If you access the main menu by [CTRL] [ENTER] then you will see that the characters free count is reduced by about 5,000 characters. This is because the font is occupying memory space which is otherwise free for the text file.

5.3 USING TASPRINT WITH AMSWORD/TASWORD 464

AMSWORD and TASWORD 464 reclaim the function keys for their own use as described on page 45 of the program manual. The TASPRINT font that is loaded is turned On by typing the appropriate printer control character into the text. These printer control characters are the inverse capital letters V through to Z as shown in the bottom right hand corner of the help page. Each of these inverse characters will print as a space and will turn the font On for TASPRINT printing beginning with the start of the line containing the control character.

The printer control characters given by the lower case inverse letters v through z turn the font Off and normal printing commences from the beginning of the line containing the control character.

The printer control character inverse T will turn TASPRINT underlining on and inverse t turns underlining off.

AMSWORD/TASWORD sends the codes associated with the normal and second character set characters as described on pages 34, 37 and 39 of the program manuals. If a character is redefined to be, for example, printed as a character followed by a backspace followed by another overprinted character, then when the TASPRINT font is turned on it will be printed as three separate TASPRINT characters.

Printer control characters other than the TASPRINT printer control characters should not be embedded in text that is to be printed with the TASPRINT font turned on.

The number of TASPRINT characters that a printer can print on one line varies according to the make of printer. The TASPRINT configuring program specifies this line length for your make of printer when run. Lines of text that exceed this line length will wrap round onto the next line, and word-wrap and justification will be lost. If you are using a printer that prints, for example, 48 TASPRINT characters per line then it is advisable to set the right margin at column 48 before typing text that is to be printed with the TASPRINT font turned on.

6. USING TASPRINT WITH OTHER PROGRAMS

TASPRINT can be used with other programs provided that after loading a TASPRINT font there is enough free memory remaining for the other program to load and run and provided that the other program does not reset the Machine Pack indirection MC PRINT CHAR at #BD2B. For these reasons the successful use of TASPRINT with other commercially available programs cannot be guaranteed.

APPENDIX — CHARACTERS AND CODES

14	15	16	17	18	19	20	21	22	23	24
▪	▼	△	←	↓	↑	→	▪	▮	∘́	⌀
25	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**
▯	fE	à	ɔ	ɔ	z	z		¦	¨	‖
36	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**
S	%	&	,ʹ	(	)	✳	+	,	−	.
47	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**
/	0	1	2	3	4	5	6	7	8	9
58	**59**	**60**	**61**	**62**	**63**	**64**	**65**	**66**	**67**	**68**
:	;	<	=	>	?	@	A	B	C	D
69	**70**	**71**	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**
E	F	G	H	I	J	K	L	M	N	O
80	**81**	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**
P	Q	R	S	T	U	V	W	X	Y	Z
91	**92**	**93**	**94**	**95**	**96**	**97**	**98**	**99**	**100**	**101**
[	\	]	↑	_	`	a	b	c	d	e
102	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**	**111**	**112**
f	g	h	i	j	k	l	m	n	o	p
113	**114**	**115**	**116**	**117**	**118**	**119**	**120**	**121**	**122**	**123**
q	r	s	t	u	∪	w	×	y	z	{
124	**125**	**126**	**127**	**128**	**129**	**130**	**131**	**132**	**133**	**134**
¦	}	~	£	½	¼	¾	⅓	⅔	▓	O
135	**136**	**137**	**138**	**139**	**140**	**141**	**142**	**143**	**144**	**145**
ȷ	æ	℗	œ	¿	à	â	ȯ	ψ	△	ĝ
146	**147**	**148**	**149**	**150**	**151**	**152**	**153**	**154**	**155**	**156**
⌀	Γ	ü	ï	ï	i	∧	ñ	≈	Φ	Π
157	**158**	**159**	**160**	**161**	**162**	**163**	**164**	**165**	**166**	**167**
Ξ	É	Σ	ë	ü	ö	Ω	à	◊	Â	ò
168	**169**	**170**	**171**	**172**	**173**	**174**	**175**	**176**	**177**	**178**
ç	ĝ	Pˌ	β	β	∝	β	⅄	δ	∈	θ
179	**180**	**181**	**182**	**183**	**184**	**185**	**186**	**187**	**188**	**189**
ŏ	η	ι	ì	κ	λ	μ	ν	Φ	π	ξ
190	**191**	**192**								
ℓ	σ	℃								
219	**220**	**221**	**222**	**223**	**224**					
∪	ä	ω	χ	ς	ξ					
251	**252**	**253**								
é	ù	ë								