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RC 823
Supplement to ELITE 1520
Operator's Instruction Manual

Keywords: DSU 131, KBU 131, Display.

Abstract: This paper describes modifications made to Elite 1520 for
RC 823 use.

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SHORT DESCRIPTION

These pages substitute the respective pages in the ELITE 1520 instruction manual.

INTRODUCTION

The DATAMEDIA Elite 1520A Video Terminal is a stand-alone separable terminal containing an alphanumeric display, keyboard, storage, control logic and an asynchronous communications interface.

The Elite 1520A is plug compatible with Teletypewriter ^{*)} Models 33 and 35 and is a convenient substitute where the requirement for hard-copy is a secondary consideration.

There are certain additional advantages:

- quiet operation
- roll mode
- 50 to 9600 Baud (factory setting: 110/1200 Baud)
- 80 characters per line
- no end of line hangups
- Upper Case
- addressable cursor
- tape mode
- greater reliability
- electronic keyboard
- attractive modern styling
- modular construction to facilitate maintenance
- computer or operator-controlled printer output

The Elite 1520A is an ideal terminal for data entry and information retrieval. The applications are only limited by the imagination of the user.

The physical characteristics and styling are on level with office or data processing decor.

Both domestic and European models of the Elite 1520A are available.

The low cost, low maintenance and high quality of the Elite 1520A is a reason it will become an integral part of systems tailored to meet the growing demands in the data communications industry.

*) Teletypewriter is a registered tradename of Teletype Corporation, Skokie, Illinois.

ELITE 1520A SPECIFICATIONS

SCREEN CAPACITY	1920 characters
SCREEN TYPE/SIZE	P4 white, 12 inch
SCREEN FILTER	Green
CHARACTERS PER LINE	80
LINES OF DISPLAY	24
CHARACTER GENERATION	5 x 7 dot matrix within a 5 x 9 dot field to provide true lower case descenders
CHARACTER SIZE	0.18"H x 0.09"W
CHARACTER SET	64 char. ASCII
REFRESH RATES	50 or 60 Hz
DATA RATES	50 to 9600 bps., asynchronous
MEMORY TYPE	MOS
KEYBOARD	Electronic, typewriter layout
CURSOR	Addressable X-Y coordinates; non-destructive, blinking cursor up, down, right, left, and home
OPERATING MODES	Full or Half Duplex, Roll or Tape Mode
ALARM	Audible on alarm code or eight characters from end of line
INTERFACE-LINE	RS232C; lamp indicators for carrier detect, and clear to send
INTERFACE-PRINTER	Printer output computer controlled
VIDEO OUTPUT	Provision to drive up to 16 external monitors
DIMENSIONS	Display/Controller Keyboard
Depth	35.24 cm (13.875 in.) 21.21 cm (8.35 in.)
Height	37.78 cm (14.875 in.) 8.38 cm (3.30 in.)
Width	35.56 cm (14.00 in.) 45.72 cm (18.00 in.)
Weight	14.06 kg (31 lbs.) 3.25 kg (7.16 lbs.)
OPERATING ENVIRONMENT	+10°C to +40°C (+50°F to +100°F) Humidity +10% to +80% (non-condensing)
POWER	100/125V 50/60Hz 75 Watts 200/250V 50/60Hz 75 Watts

GENERAL OPERATING INFORMATION

The Elite 1520A has been designed to receive and transmit data up to 9600 baud and perform all functions with no additional controls.

1. Home (GS) - will return the cursor to the Home position (first character, first line). *CHR(29)*
2. Forward Cursor (CAN) - a non-destruct code, will cause the cursor to advance one character position to the right. If there are no character positions to the right, the cursor will advance to the first character of the next line. *CHR(24)*
3. Back Cursor (BS) - a non-destruct code, will cause the cursor to move one character position to the left; the cursor will NOT move when it has reached the first character of the line. *CHR(8)*
4. Up Row Cursor (SUB) - a non-destruct code, will cause the cursor to move up one row. When the first row is reached the cursor will remain there. *CHR(26)*
5. Down Row Cursor (LF) - a non-destruct code, will move the cursor down one row. When the last row is reached it will move the data up one row leaving the last row blank. *CHR(10)*
6. Return (CR) - a non-destruct code, will move the cursor to the first character of the line. *CHR(13)*
7. Erase to End of Line (RS) - This code will erase all data from the cursor to the end of line. *CHR(30)*
8. Erase to End of Page (US) - This code will erase all data from cursor to end of page. *CHR(31)*
9. Erase (FF) - This code will erase all data and home the cursor. *CHR(12)*
10. Start Address (ACK) - This code will place the terminal in the X-Y addressing mode. The next character will be the character address, and the following character the row address. Data may be entered from that point in the normal manner. *CHR(6)*
11. Printer On (SO) - This code will cause all receive or transmit data to be directed to the printer output, which is an RS232 Interface. *CHR(14)*
12. Printer Off (SI) - This code will remove the printer output connection. *CHR(15)*
13. Tabulate (HT) - This code moves the cursor 4 steps forward. *CHR(9)*

All control functions may be performed by pressing the control key and an additional alphanumeric key simultaneously.

FUNCTION	CHAR	DO
HOME	GS	CTRL +] (or Å)
FORWARD	CAN	CTRL + X
BACKSPACE	BS	BACKSPACE
UP ROW	SUB	CTRL + Z
DOWN ROW	LF	LINE FEED
CAR. RETURN	CR	RETURN
ERASE TO END OF LINE	RS	CTRL + ↑ (or ^)
ERASE TO END OF PAGE	US	CTRL + ← (or _)
CLEAR (ERASE)	FF	CTRL + L
START ADDRESS	ACK	CTRL + F
PRINT ON	SO	CTRL + N
PRINT OFF	SI	CTRL + O
TABULATE	HT	CTRL + I

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ESC	!	"	#	\$	%	&	'	()	0	=	~	*	←	BACK SPACE
TAB	Q	W	E	R	T	Y	U	I	O	P]	`	@	RETURN	
CTRL LOAD TAPE	ALPHA LOCK	A	S	D	F	G	H	J	K	L	[\	+	LINE FEED	RUB OUT
	SHIFT	Z	X	C	V	B	N	M	<	>	?	/	SHIFT	REPT	
(SPACE BAR)															

760209 JCJ 760209 OKJ

ESC	!	"	#	\$	%	&	'	()	0	=	~	*	←	BACK SPACE
1	2	3	4	5	6	7	8	9			-	↑	:		
TAB	Q	W	E	R	T	Y	U	I	O	P	Å	^	@	RETURN	
CTRL ALPHA LOCK	A	S	D	F	G	H	J	K	L	Ö	Ä	+	;	LINE FEED OUT	
LOAD TAPE	SHIFT	Z	X	C	V	B	N	M	<	>	?	/	SHIFT	REPT	
(SPACE BAR)															

SWEDISH ALPHABET
RC823 KEYBOARD UNIT

760209 JCJ 760209 OKJ

ESC	!	"	#	4	%	&	7	()	0	=	-	~	*	:	←	BACK SPACE
TAB	Q	W	E	R	T	Y	U	I	O	P	Å	RETURN					
CTRL	ALPHA LOCK	A	S	D	F	G	H	J	K	L	Æ	Ø	+	;	LINE FEED	RUB OUT	
LOAD TAPE	SHIFT	Z	X	C	V	B	N	M	<	>	?	/	SHIFT	REPT			
(SPACE BAR)																	

DANISH ALPHABET
RC823 KEYBOARD UNIT

Character Decimal Value		ASCII		DANISH		SWEDISH	
Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
91	123	[Æ		Ä	
92	124	\		Ø		Ö	
93	125]		Å		Å	
94	126	↑		↑		^	
95	127	←	RUB	←	RUB	—	RUB

Supplement to TABLE 1