

Title:

RC 822, supplement to ELITE 1520 Operator Instruction Manual

Revision 1.



REGNECENTRALEN

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Abstract: This paper describes modifications made to ELITE 1520 for RC822 use.

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FOREWORD.

Revision 1. : The highest transmission rate is changed from
1200 baud to 2400 baud.

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
- editing plus roll mode
- 50 to 9600 Baud (factory setting: 300/2400 Baud)
- 80 characters per line
- no end of line hangups
- Upper/Lower 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.

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) ²⁹ - will return the cursor to the Home position (first character, first line).
2. Forward Cursor (CAN) ²⁴ - 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.
3. Back Cursor (BS) ⁸ - 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.
4. Up Row Cursor (SUB) ²⁶ - a non-destruct code, will cause the cursor to move up one row. When the first row is reached the cursor will remain there.
5. Down Row Cursor (LF) ¹⁰ - 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.
6. Return (CR) - a non-destruct code, will move the cursor to the first character of the line.
7. Erase to End of Line (RS) ³⁰ - This code will erase all data from the cursor to the end of line.
8. Erase to End of Page (US) ³¹ - This code will erase all data from cursor to end of page.
9. Erase (FF) ¹² - This code will erase all data and home the cursor.
10. Start Address (ACK) ⁶ - 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.
11. Printer On (SO) ¹⁴ ^{CTR N} - This code will cause all receive or transmit data to be directed to the printer output, which is an RS232 Interface.
12. Printer Off (SI) ¹⁵ ^{CTR O} - This code will remove the printer output connection.
13. Tabulate (HT) - This code moves the cursor 4 steps forward.

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

760623 JCJ 760623 OKJ

TAPE	ERAS EOL	ERAS EOS	MR
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ESC	1	2	3	4	5	6	7	8	9	0	=	~	*	:	BACK SPACE
TAB	Q	W	E	R	T	Y	U	I	O	P	}	'	@	RETURN	
CTRL LOAD	ALPHA LOCK	A	S	D	F	G	H	J	K	L	{		+	LINE FEED	RUB OUT
SHIFT TAPE	SHIFT	Z	X	C	V	B	N	M	<	>	?	/	SHIFT	REPT	
(SPACE BAR)															

PRINT OFF	PRINT	
←	HOME	→
	↑	
7	8	9
4	5	6
1	2	3
/	0	.

760209 JCJ 760209 OKJ

TAP		ERAS		ERAS		MR																	
EOL		EOL		EOS																			
ESC	1	"	2	#	3	\$	4	%	5	&	6	7	(	8	)	9	0	=	~	*	:	←	BACK SPACE
TAB	Q	W	E	R	T	Y	U	I	O	P	Å	RETURN											
ALPHA LOCK	A	S	D	F	G	H	J	K	L	Æ	Φ	+	;	RUB OUT									
LOAD TAPE	SHIFT	Z	X	C	V	B	N	M	<	>	?	/	SHIFT	REPT									
(SPACE BAR)																							

PRINT OFF	PRINT	PRINT
←	HOME	→
	↑	
7	8	9
4	5	6
1	2	3
/	0	.

760209 JCJ 760209 OKJ

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

PRINT OFF	PRINT	PRINT
←	HOME	→
	↑	
7	8	9
4	5	6
1	2	3
/	0	.

SWEDISH ALPHABET
RC822 KEYBOARD UNIT

Character Decimal Value		ASCII		DANISH		SWEDISH	
Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
91	123	[	{	Æ	æ	Ä	ä
92	124	\		Ø	ø	Ö	ö
93	125	]	}	Å	å	Å	å
94	126	↑	~	↑	~	^	~
95	127	←	RUB	←	RUB	—	RUB

Supplement to TABLE 1

DAT 200

REVISION 0

SEPERATE DOC. ITEMS FOR RC822

CONTENTS

RC822 SUPPLEMENT TO FLITE 1520
OPERATOR INSTR. MANUAL

RC81 52-AA 552

EC0

NO 12-020

FIELD CHANGE ORDER

NO. 12-020A

ISSUE WEEK 09-78

RCSL: 44 - RT 1634

MANDATORY	☐	RETROFIT ON FAILURE	☒
WARRANTY	☒	NON WARRANTY	☐

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RE: ECN NO: 12-020

SERIAL EFFECTIVITY	EQUIPMENT AFFECTED
See page 3.	RC 800 All Elite Displays DSU 127/128/130/131/132/136

NOTE

In FCO 12-020 there was a fault in "Parts Required" and the "Serial Effectivity" was not known when released. Please replace FCO12-020 with this one, 12-020A.

REASON FOR CHANGE

This FCO reduces the sensitivity of the terminal to external mains noise, and drastically reduces the noise generated by on/off switching of the terminal mains.

DESCRIPTION OF CHANGE

1. On the timing PCBA, replace R1 and R2 (both 1.5 kohm) by two 330 ohm resistors. (see fig. 1 page 2 for location).
2. Disconnect MALE and FEMALE power connectors (see fig.2 for location). Disassemble the FEMALE connector (the one towards mains) by using the special connector tool. Solder filter leads onto the crimp pins (one to phase (brown) and one to neutral (blue)). Be sure that the filter leads are as short as possible. Assemble the FEMALE connector again. Check for safety.
3. Assemble power connectors, assemble terminal and make func. check.
4. Code the FCO-Label 12-020

ADDITIONAL COMMENTS

The connector tool may be ordered from the Spare Part Dept. The RC part number is 1-8018.

QTY:	PARTS REQUIRED	RC -P/N
2	330 ohms 1/3 W	4-5314
1	RC-filter 47/.1	3-8307

DOCUMENTATION ENCLOSED

None

KITS FREE OF CHARGE FROM ISS: YES ☒ NO ☐

RETURN CHANGED PARTS TO ISS: YES ☐ NO ☒

ESTIMATED INSTALLATION TIME: 30 mins.

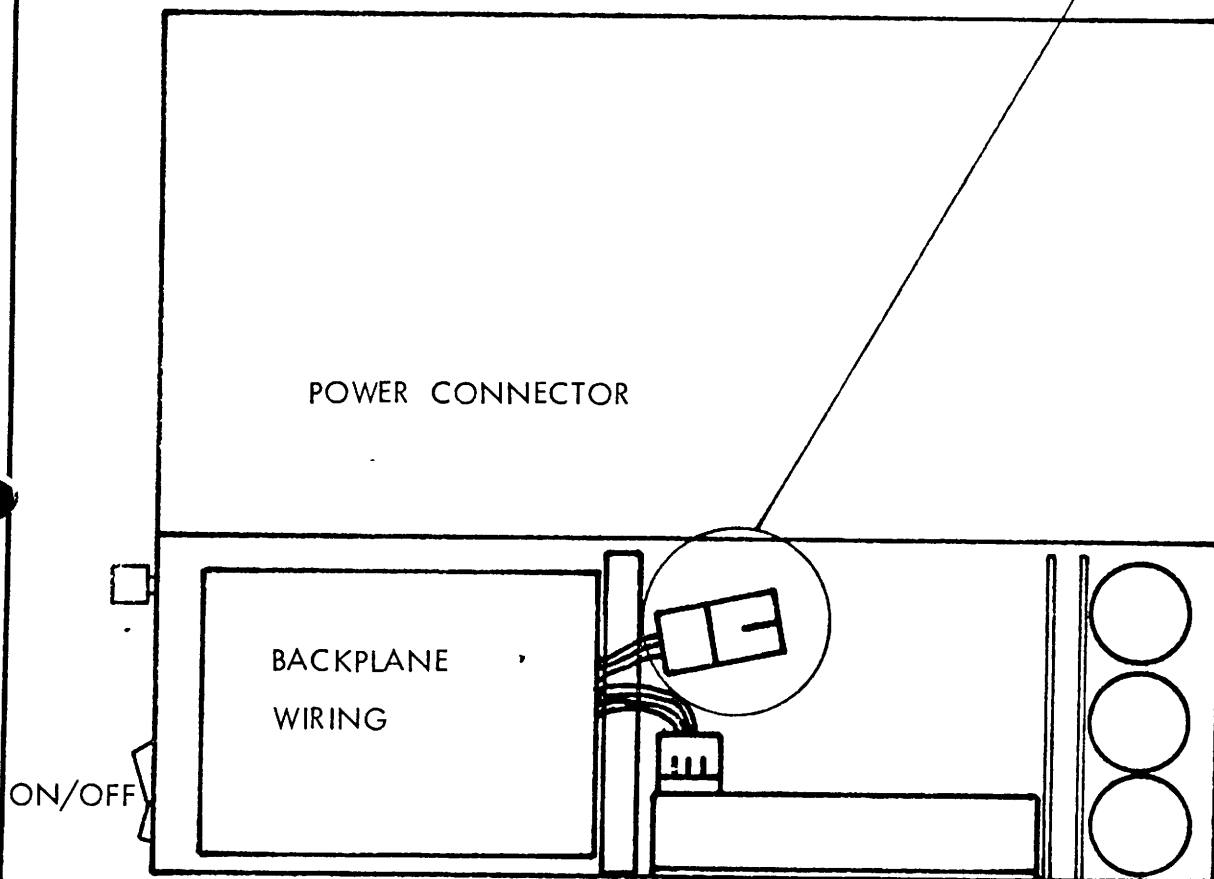
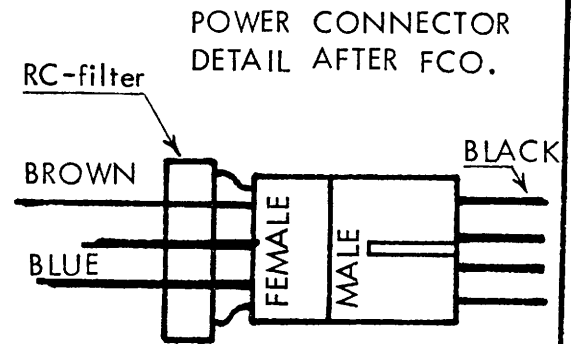
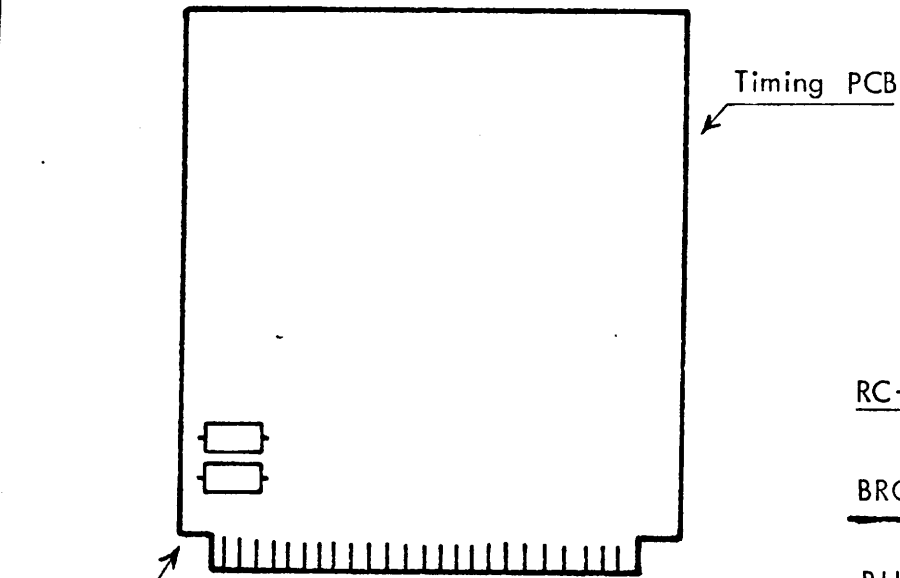
PROJECT ENGINEER SIGN. <i>MC</i>	DATE <i>1/2/78</i>	DEVELOPMENT MANAGER SIGN. <i>[Signature]</i>	DATE <i>1/2/78</i>	SYS. PRODUCTION MANAGER SIGN. <i>[Signature]</i>	DATE <i>22.02.78</i>	TECH. SERVICE MANAGER SIGN. <i>[Signature]</i>	DATE <i>2-78</i>
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FIELD CHANGE ORDER

NO. 12-020 A

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ELITE REAR VIEW, WITH
BACK PLATE REMOVED
(FOR EASIER VIEW ONLY).



FIELD CHANGE ORDER

NO.	12-020A	
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Serial Effectivity.

DSU 127/39 and upwards.

DSU 128/76-82, 84 and upwards.

DSU 130/294,406,410 and upwards.

DSU 131/96,97,101 and upwards.

DSU 132/33-36,44,46 and upwards.

DSU 136/194 and upwards.