

<b>RC45 Information</b>		<b>Category</b> System Information	<b>Product</b> SW8906
<b>Ident</b> 798 50 428	<b>Replaces</b>		<b>Page</b> 1/5
<b>Subject</b> RC45 VT100 (/TTY) Terminal Program, rel. 7.1, package descrip.			
<b>Package name</b>			
<b>Sales designation:</b> RC45 VT100 Terminal Program			
Designations VT100 and ANSI (ANSI X3.64) are used interchangeably - cf. Description			
<b>National editions:</b> Danish		International	
<b>Sales number:</b>	SW8906	SW8906I	
<b>Release:</b>	Rel. 7.1	Rel. 7.1	
<b>Which replaces:</b>	Rel. 7.0	Rel. 7.0	
<b>Package contents</b>			
<b>Software:</b>	1 diskette - package release contains individual file release:		
<b>RC890-30 operation</b>			
- installation: INST.JOB			
<b>RC45 operation</b>			
- RC851 emulator: TTY.S45 - rel. 1.2			
- VT100 term. prg: ANSI.S45 - rel. 3.1			
- configurator: ANSICONF.S45 - rel. 2.0			
<b>RC855 operation</b>			
- RC851 emulator: TTY.855 - rel. 4.0			
- ANSI term. prg: ANSI.855 - rel. 1.6			
<b>Documentation:</b>	1 loose-leaf binder - with user guide for RC45 operation (files ANSI.S45 and ANSICONF.S45):		
<b>(supplements as:)</b>	SW8906-D	SW8906I-D	
- manual ident.:	PN 991 10 963	PN 991 10 968	
- edition (update):	Sept 1987 (1/87)	Oct 1987 (1/87)	
- language:	Danish	English	
See also: Available documentation.			
<b>Requirements</b>			
<b>Hardware:</b>	The terminal programs are designed for work stations connected to a cluster control unit for downloading; in operation they work independently of the control unit: (see overleaf).		

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RC45 VT100 (/TTY) Terminal Program, rel. 7.1, package descrip.			
<ul style="list-style-type: none"><li>- control unit: RC890, RC890-30 or RC891</li><li>- work station: M45-043, M45-044 or M45-053 (or RC855)<ul style="list-style-type: none"><li>- FCO: 22-105; character generator</li></ul></li><li>- connections,</li><li>- download: RcCircuit I</li><li>- operation: RcCircuit II or V.24</li></ul>			
<b>Installation</b>			
<p>The programs are installed on the control unit for download to the work stations where they are executed during operation - the installation procedure is described in the user guide for the control units (RC890/RC891 or RC890-30), sections C &amp; D. The installation file (INST.JOB) for use with RC890-30 specifies that all other files on the distribution diskette are installed.</p>			
<p><i>Users of RC39 / UNIPLEX II+ wordprocessor, please note:</i></p>			
<p>Using the RC45 VT100 terminal program, rel. 3.1, the terminal capability definition (tcap) may have to be changed. The selection of the Danish national character set is performed by sending the sequence ESC (&lt;28&gt; A&lt;41&gt; - instead of ESC (&lt;28&gt; B&lt;42&gt;.</p>			
<p>The configurator (file ANSICONF.S45) is a general configuration program for the RC45 work station which allow for setting of all general work station parameters as well as the specific parameters pertaining to the RC851 TTY emulator (file TTY.S45) and the RC45 VT100 terminal program (file ANSI.S45). The configurator and the parameters are described in the user guide, section D, included with the software package. Note that the configurator is a redesign developed from the previous configurator (CONFIG.S45) coming with this package; at the control unit the file name in the parameter file MENU DL.CST must be changed accordingly to download this configurator, i.e.:</p>			
<p style="text-align: center;">change CONFIG.S45 to ANSICONF.S45</p>			
<p>The programs for RC855 work station operation (files TTY.855 and ANSI.855) have built-in configurators; cf. available documentation for user guidance.</p>			
<p>The files may be installed on RC8000 with RC8420 with flexible disc, using the cpm890 utility program. Change the names as follows, when the files are copied:</p>			
TTY.S45	-	ttys45	<u>Note</u> Terminal download menus may have to be modified. See: RC8000 ADP, User's Guide.
ANSI.S45	-	ansis45	
ANSICONF.S45	-	ansiconfs45	
TTY.855	-	tty855	
ANSI.855	-	ansi855	

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<p><b>Available documentation</b></p> <p><b>RC45 operation</b>  RC851 emulator:  (file TTY.S45)</p> <p>SW4503-D (Danish language)</p> <hr/> <p>RC45 RC851 Emulator  Brugervejledning</p> <p><b>RC855 operation</b>  RC851 emulator:  (file TTY.855)</p> <p>RCSL 421-2395 &amp; PN 991 09 715</p> <hr/> <p>RC851/RC855 TTY Emulator  Operating Guide &amp; Ammendment</p> <p>ANSI term. prg.:  (file ANSI.855)</p> <p>PN 991 09 935</p> <hr/> <p>RC-ANSI Emulator,  User's Guide</p>		
<p><b>Description</b></p> <p>The SW8906 software packages contains terminal programs for asynchronous communication via V.24 - or RxCircuit - interface for operation with RC45 as well as RC855 work stations.</p> <ul style="list-style-type: none"> <li>o The RC851 TTY emulators (files TTY.*) are terminal programs specially designed for communication with the RC8000 computer. Documentation for these programs must be separately ordered.</li> <li>o The VT100 (ANSI) terminal programs (files ANSI.*) meet the requirements of most host computer systems, including the RC39 system. They may be used in an RC8000 environment, provided that the host/front-end system is appropriately modified.</li> </ul> <p>The RC45 VT100 terminal in work resembles the DEC, Digital Equipment Corp., VT-series of terminals - so, the designations ANSI and VT100 are interchangeably.</p>		
<p><b>Changes from previous release (at time of rel. 7.0)</b></p>		
<p><u><b>ANSI Terminal Program</b></u> (file ANSI.S45)</p> <ul style="list-style-type: none"> <li>o New configurable aspects in operation are introduced, gaining compatibility with DEC, Digital Equipment Corp., VT220 series of terminals - notably: <ul style="list-style-type: none"> <li>- VT220 Selective erase supported (monochrome terminals).</li> </ul> </li> </ul>		

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RC45 VT100 (/TTY) Terminal Program, rel. 7.1, package descrip.

- VT220 pushkey handling by host control: lock and clear pushkey parameters (p1 and p2) comply with DEC usage.
- Number of configurable emulating modes increased -- now comprising: VT52, VT100 No Options, VT100 AVO, VT200 DEC id, VT200 RC id -- For the VT200 modes, the report send to the host on a primary-DA request are as follows:
  - VT200 DEC id - as DEC VT220 terminal
  - VT200 RC id - actual values for the terminal (excepting soft character set).
- Insert/replacement mode supported.
- o New edition of the User Guide (SW8906(I)-D).
- o Known errors or deficiencies have been mended:
  - Relay printing is now transparent to CSI sequences.
  - VT52 mode may be changed by Set mode control sequence.
  - Data Carrier Detect missing (DCD in status line) is not shown before the signal has been off for more than 100 msec. Previously, prompting of shorter DCD interrupts could itself cause loss of data.
  - Soft reset now complies with DEC VT220 terminal usage.
  - Set compatibility level now includes a Soft terminal reset to be executed after change of level.

Terminal Configurator (file ANSICONF.S45)

- o Redesigned to support VT100 terminal program and general work station parameters only (previously, IBM 3270 parameters were included, too).
- o An error has been mended: Keyboard password can now be deleted.

**Changes from previous release (at time of rel. 7.1)**

ANSI Terminal Program (file ANSI.S45)

- o Corrections have been made to obtain functions as follows:
  - Erase line sequence (CSI I p1 K): also handled outside scrolling region.

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<ul style="list-style-type: none"> <li>- Erase display sequence (CSI I pl J for pl=1): erases also first line in scrolling region when cursor is positioned in this line.</li> <li>- Save/restore cursor: complies with DEC usage.</li> <li>- Cursor forward/backward: reaching side margins the cursor does not wraparound to next/previous line.</li> <li>- Cursor up/down: reaching top or bottom margins the cursor stops independently of state of the origin mode.</li> <li>- Send key, numeric keypad: transmits a CR if Application Mode = Reset and Puskeys = Default.</li> <li>- Print extend full screen sequence (CSI ? 19 h): now working as this function (by mistake the effect of the sequence previously was 'local echo on').</li> <li>- Tabulation: complies with DEC usage.</li> <li>- XOFF transmitted to host when number of vacant input buffers has decreased to 64.</li> <li>- Correct download of pushkeys the RC-way in 8-bit area.</li> <li>- Pushkey programming: contents of pushkeys not deleted when (re)starting the terminal; this was previously the case, having programmed PF-keys in uppercase, due to errors in the start-up check routines.</li> <li>- Caps lock, MOA-keys: values generated depends on the US-mode and the Shift &amp; Alt key states.</li> <li>- Select character attribute sequence (CSI Ps " q for Ps=0 (default)): case handled.</li> </ul>			