RM/COS™

TERMINAL GUIDE

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Printed in U.S.A.

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Rolling Hills Estates
California, 90274

MAN951

MAN951 PUBLICATION HISTORY

Original Issue (Release 2.3) ..... May 9, 1983
Revision A (Releases 2.3.06 and 2.3.11) .... October 7, 1983
Revision B (Release 2.3.13) ..... November 18, 1983
Revision C (Release 2.4) ..... January 23, 1984
Revision D (Release 2.4.02) ..... May 31, 1984

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INTRODUCTION

This manual provides specific details regarding stations supported by RM/COS. The reader should be familiar with the material provided in Appendix I, Station Characteristics, in the RM/COS User Guide before reading this material. The reader particularly needs to be aware of the RM/COS function keys, the fact that these keys may be simulated by a function sequence introducer key (FSI key) followed by a function sequence code key, and, on some station keyboards, the RM/COS function keys have corresponding keys on a specific station keyboard assigned to cause the function.

TERMINALS SUPPORTED

RM/COS supports several terminals as station devices. Please note that not all terminals are supported on every system. See the Operator Guide for the list of terminals which your system supports. The specific station is indicated by the terminal-type parameter on the unit specification record in the System Definition File (see Chapter 2, System Configuration, in the RM/COS Operator Guide). Tables of function key mappings for supported terminals may be found on the following pages. The ASCII graphics characters are normally available via keycaps with the ASCII graphic desired (the space character is entered by use of the SPACE BAR at the front of the keyboard). The SHIFT or SHIFT LOCK key may be used to obtain the upper case ASCII letters and the lower case ASCII letters are obtained by releasing SHIFT LOCK and not pressing the SHIFT key.

PASS-THROUGH PRINTING

Some of the terminals supported by RM/COS allow pass-through printing. See the Operator Guide for the list of terminals which support pass-through printing on your system. A general restriction on pass-through printing is that the printer off sequence may not be sent to the printer. See the following pages for additional information.

RELATED MANUALS

The following manuals provide additional information needed by an RM/COS user:

> RM/COS User Guide (MAN903) - describes RM/COS system concepts, Job Description Language (JDL), text editors, data communications systems, system configuration, and error messages.

Operator Guide - describes details of how an operator installs and interacts with ?M/COS on a specific computer model. There are several versions of the Operator Guide, one for each computer model supported.

ADDS VIEWPOINT Terminal Setup

To use the ADDS Viewpoint with RM/COS, the dip switches on the rear of the terminal must be set properly. Switch settings are read only when powering up the terminal. If a switch is changed, the terminal must be turned OFF and then ON again for the change to take effect. The switches are as follows:

1. Baud Rate -- Switches S1-1,2,3 control the baud rate, which should match the baud-rate specification on the U record for this terminal in the System Definition File (see Chapter 2 in the Operator Guide).

2. Auto Scroll -- Switch S1-4 controls auto scroll, which must be set to 1 (enabled).

3. Auto Line Feed -- Switch S1-5 controls auto line feed, which must be set to 0 (disabled).

4. Line Mode -- Switch S1-6 controls line mode, which must be set to 1 (full duplex).

5. Parity -- Switches S1-7,8 control parity, which should match the parity specification on the U record.

ADDS VIEWPOINT Pass-Through Printing

Pass-through printing is supported on the ADDS Viewpoint with the following severe constraints:

1. On the enhanced Viewpoint (129-295 PC Board), the DC2 and DC4 characters may be used to enable and disable the AUX port. The DC4 character which disables the AUX port is sent to the port before the port is disabled.

2. On the common Viewpoint (129-249 and 129-289 PC Boards) there is no capability for screen output without printer output. Thus, JDL command prompts are overprinted on a single print line if the printer is online.

3. There is no printer nor terminal flow control. If the printer buffer fills, print characters are lost. Either the terminal must be run at a baud rate less than the print speed, or the application must not attempt to print more characters than will fit in the printer buffer.

4. The terminal and printer ports must run at the same baud rate.

5. The DC4 character (AUX port disable) and the printer off sequence (ESC 4) may not be sent to the printer.

ADDS VIEWPOINT Function Key Mapping

RM/COS Function	ADDSVP Keycap
Acknowledge	SHIFT F1
Attention	SHIFT F2
Command	SHIFT F3
Delete Char	DEL
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow> or CTRL J
Erase Field	CTRL L or <FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	ESC or CTRL G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	CTRL A or <FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or CTRL H
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB or CTRL I
Up Arrow	<up arrow>

Because of the limited set of keys on the ADDS keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

ALTOS II Terminal Setup

The procedure for setting the terminal characteristics (baud rate, parity, etc.) on the ALTOS II is as follows:

1. Press the RESET key located at the top left of the terminal keyboard to enter SETUP mode. The SETUP menu will appear on the screen.

2. Adjust the screen brightness with the knob at the bottom far left of the terminal (below the screen). Adjust the contrast between high and low intensity with the second knob (just to the right of the brightness knob).

3. To select a different SETUP category, press either the up arrow key or down arrow key.

4. One of the parameters in the selected SETUP category will be blinking. That attribute can be changed by pressing the return key one or more times. The left arrow key and right arrow key may be used to select the parameter to be changed.

5. Press the RESET key to leave SETUP mode. To make the changes permanent, enter "y" in response to the prompt.

The four SETUP catagories are as follows:

1. Display Control:
   a. DISPLAY -- should be NORMAL.
   b. CRT Frequency -- set appropriately.
   c. Wrap Around -- RM/COS will set this to OFF.
   d. Scroll -- set according to user preference.
   e. Cursor Style -- set according to user preference.
   f. Cursor Blink -- set according to user preference.
   g. Columns -- RM/COS will set this to 80.
   h. Rows -- RM/COS will set this to 24.

2. Data Transmission (Terminal):
   a. Data Bits -- should match the word-length specification on the U record for this terminal in the System Definition File (see Chapter 2 in the Operator Guide).
   b. Stop Bits -- should match the stop-bits specification on the U record.
   c. Parity -- should be ON if the U record specifies even or odd parity and OFF if the U record specifies no parity.
   d. Parity Sense -- should be EVEN if the U record specifies even parity and ODD if odd parity is specified.
   e. Transmission Control -- must be XON/XOFF.
   f. Baud Rate -- should match the baud-rate specification on the U record.

g. Transmission Mode -- must be FDX.

3. Data Transmission (Printer):
   a. Data Bits -- set to match the attached printer.
   b. Stop Bits -- set to match the attached printer.
   c. Parity -- set to match the attached printer.
   d. Parity Sense -- set to match the attached printer.
   e. Transmission Control -- set to match the attached printer.
   f. Baud Rate -- set to match the attached printer.

4. Miscellaneous:
   a. Command Monitoring -- must be OFF.
   b. New Line -- RM/COS will set this to CR.
   c. Key Click -- set according to user preference.
   d. Margin Bell -- set according to user preference.

ALTOS II Pass-Through Printing

Pass-through printing is supported on the ALTOS II. The printer off sequence (ESC [4 i) may not be sent to the printer.

ALTOS II Function Key Mapping

RM/COS Function	ALTOS2 Keycap
Acknowledge	PREV PAGE
Attention	HELP
Command	NEXT PAGE
Delete Char	DEL CHAR or DEL
Delete Line	DEL LINE
Down Arrow	<down arrow>
Erase Field	CLR
Erase Right	CE
FSI	CTRL G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	F11
Function 12	F12
Function 13	F13
Function 14	F14
Function 15	F15
Function 16	F16
Function 17	SHIFT F1
Function 18	SHIFT F2
Function 19	SHIFT F3
Function 20	SHIFT F4
Home	HOME
Insert Char	INSRT CHAR
Insert Line	INSRT LINE
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETN or ENTER
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETN or ENTER
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

CIE CIT-80 Pass-Through Printing

Pass-through printing is supported on the CIE CIT-80 with three restrictions:

1. The host and printer ports must use the same parity, but may have different baud rates.

2. The ESC 2 sequence which turns off printing is sent to the printer at the end of each line. Thus, pass-through printing will be acceptable only with printers that ignore this sequence.

3. The printer off sequence (ESC 2) may not be sent to the printer.

CIE CIT-80 Function Key Mapping

RM/COS Function	CIT80 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	DELETE
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	CTRL G or LINE FEED
Function 1	PF1
Function 2	PF2
Function 3	PF3
Function 4	PF4
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	ENTER
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

Because of the limited set of keys on the CIT keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

CIE CIT-101 Pass-Through Printing

Pass-through printing is not supported on the CIE CIT-101. The ESC 1 and ESC 2 sequences, which work correctly on the CIE CIT-80, seem to be ignored by the CIT-101. The embedded print data is displayed on the screen and is not sent to the printer port.

CIE CIT-101 Function Key Mapping

RM/COS Function	CIT101 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	DELETE
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	CTRL G or LINE FEED
Function 1	PF1
Function 2	PF2
Function 3	PF3
Function 4	PF4
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	ENTER
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

Because of the limited set of keys on the CIT keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

DATAMEDIA COLORSCAN-30 Function Key Mapping

RM/COS Function	ADM3CS Keycap
Acknowledge	CLEAR
Attention	<FSI+E> or <FSI+e>
Command	ERASE EOS
Delete Char	DEL
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	CLR FIELD
Erase Right	ERASE EOL
FSI	CTRL G
Function 1	PF1
Function 2	PF2
Function 3	PF3
Function 4	PF4
Function 5	PF5
Function 6	PF6
Function 7	PF7
Function 8	PF8
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	SHIFT PF1
Function 12	SHIFT PF2
Function 13	SHIFT PF3
Function 14	SHIFT PF4
Function 15	SHIFT PF5
Function 16	SHIFT PF6
Function 17	SHIFT PF7
Function 18	SHIFT PF8
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g> or CTRL <tilde>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	SHIFT TAB
Tab Right	TAB
Up Arrow	<up arrow>

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

LIBERTY FREEDOM 100 Function Key Mapping

RM/COS Function	F100 Keycap
Acknowledge	ERASE EOP
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	DEL CHAR or DEL
Delete Line	DEL LINE
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	ERASE EOL
FSI	LINE FEED
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	SHIFT F1
Function 12	SHIFT F2
Function 13	SHIFT F3
Function 14	SHIFT F4
Function 15	SHIFT F5
Function 16	SHIFT F6
Function 17	SHIFT F7
Function 18	SHIFT F8
Function 19	SHIFT F9
Function 20	SHIFT F10
Home	HOME
Insert Char	INS CHAR
Insert Line	INS LINE
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN
New Line	NEW LINE
Print	PRINT
Return	RETURN
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	BACK TAB
Tab Right	TAB
Up Arrow	<up arrow>

The ESC key should not be pressed when using RM/COS. The ESC key may cause the next character to be lost or misinterpreted.

NCR 7900 Function Key Mapping

RM/COS Function	N7900 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	RUB OUT or <FSI+D> or <FSI+d>
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow> or LINE FEED
Erase Field	CONTROL SCRN ERSE or <FSI+C> or <FSI+c>
Erase Right	SCRN ERSE or <FSI+R> or <FSI+r>
FSI	CONTROL G
Function 1	<FSI+1>
Function 2	<FSI+2>
Function 3	<FSI+3>
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	HOME
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CONTROL X
Left Arrow	<left arrow> or CONTROL H
Log-in	NEW LINE
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	NEW LINE
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	CONTROL I
Up Arrow	<up arrow>

Because of the limited set of keys on the 7900 keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide.

The ESC key on the NCR 7900 keyboard should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

NCR 7901 Pass-Through Printing

Pass-through printing is not supported on the NCR 7901. When the AUX port is enabled (DC2), the first several characters of the print line are garbaged with framing errors.

NCR 7901 Function Key Mapping

RM/COS Function	N7901 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	RUB OUT or <FSI+D> or <FSI+d>
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow> or CTRL J
Erase Field	CTRL L or <FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	ESC or CTRL G
Function 1	<FSI+1>
Function 2	<FSI+2>
Function 3	<FSI+3>
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	CTRL A or <FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or CTRL H
Log-in	NEW LINE
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	NEW LINE
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB or CTRL I
Up Arrow	<up arrow>

Because of the limited set of keys on the 7901 keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

NCR 7910 Pass-Through Printing

Pass-through printing is not supported on the NCR 7910. Characters output through the AUX port have no parity, even though the parity is even on the status line. More importantly, all except the last character (i) of the printer off sequence (ESC [4 : 6 i) is output at the end of each line.

NCR 7910 Function Key Mapping

RM/COS Function	N7910 Key Name
Acknowledge	PAGE (70)
Attention	<FSI+E> or <FSI+e>
Command	LOWER LEFT HOME (53,80)
Delete Char	DELETE CHARACTER (94) or DEL (99)
Delete Line	DELETE LINE (53,94)
Down Arrow	CURSOR DOWN (96)
Erase Field	ERASE EOS (92)
Erase Right	ERASE EOL (91)
FSI	CONTROL G (53,39)
Function 1	U1 (59) or PF1 (53,81)
Function 2	U2 (60) or PF2 (53,82)
Function 3	U3 (61) or PF3 (53,83)
Function 4	U4 (62) or PF4 (53,84)
Function 5	U5 (63) or PF5 (53,85)
Function 6	U6 (64) or PF6 (53,86)
Function 7	U7 (65) or PF7 (53,87)
Function 8	U8 (66) or PF8 (53,88)
Function 9	U9 (67) or PF9 (53,89)
Function 10	U10 (68) or PF0 (53,76)
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	UPPER LEFT HOME (53,105)
Insert Char	EDIT (72)
Insert Line	INSERT LINE (53,93)
Interrupt	CONTROL X (53,44)
Left Arrow	CURSOR LEFT (97) or BACKSPACE (102)
Log-in	NEWLINE (90 or 104)
New Line	<FSI+F> or <FSI+f>
Print	PRINT ONLINE (107)
Return	NEWLINE (90 or 104)
Right Arrow	CURSOR RIGHT (98)
Send	<FSI+O> or <FSI+o>
Tab Left	BACKTAB (SHIFT 79 or SHIFT 103)
Tab Right	TAB (79 or 103)
Up Arrow	CURSOR UP (95)

The NCR 7910 Key Identification Number is given in parentheses following the Key Name.

NCR DECISION MATE V Function Key Mapping

RM/COS Function	DM-5 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	SHIFT CLR
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	CONTROL G
Function 1	<FSI+1>
Function 2	<FSI+2>
Function 3	<FSI+3>
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<upper left arrow>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	ESC ESC (hit twice)
Left Arrow	BACK SPACE or <left arrow>
Log-in	NEW LINE
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	NEW LINE
Right Arrow	<right arrow> or <FSI+L> or <FSI+l>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow> or <FSI+K> or <FSI+k>

The NCR Decision Mate V will only run at baud rates of 1200 and below. If necessary, the FSI sequences for Right Arrow and Up Arrow may be used.

SRITEK IBM PC Function Key Mapping

RM/COS Function	SRITEK Keycap
Acknowledge	Scroll Lock
Attention	<FSI+E> or <FSI+e>
Command	Break (Ctrl Scroll Lock)
Delete Char	Del or <FSI+D> or <FSI+d>
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	Ctrl G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	Home
Insert Char	Ins
Insert Line	<FSI+N> or <FSI+n>
Interrupt	Ctrl X
Left Arrow	<left arrow>
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	End
Tab Left	<FSI+B> or <FSI+b>
Tab Right	<tab> (-->!)
Up Arrow	<up arrow>

TANDY DT-1 Terminal Setup

To be used with RM/COS, the DT-1 must be configured as a Televideo 910. Enter setup mode on the terminal by holding down SHIFT and CTRL and pressing ENTER. Set the following parameter configuration on the resulting display by moving the cursor with the arrow keys and overwriting the appropriate fields with a 0 or 1:

SET-UP

TC1	TCO	EM1	EMO	REV	DTR	DSR	DCD
0	0	0	0	0	1	0	0

STB	O/E	PAR	WDL	BR3	BR2	BR1	BRO
0	1	0	0	1	0	0	1

ALF	AWP	F/H	CT1	CTO
0	1	0	1	0

Press ENTER when done. Permanently store the selected configuration by pressing the Y key. Hold SHIFT and CTRL and press ENTER to return to normal terminal operation.

TANDY DT-1 Function Key Mapping

RM/COS Function	TS10EM Keycap
Acknowledge	F2
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	<FSI+D> or <FSI+d>
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	ESC
Function 1	<FSI+1> or CTRL 1
Function 2	<FSI+2> or CTRL 2
Function 3	<FSI+3> or CTRL 3
Function 4	<FSI+4> or CTRL 4
Function 5	<FSI+5> or CTRL 5
Function 6	<FSI+6> or CTRL 6
Function 7	<FSI+7> or CTRL 7
Function 8	<FSI+8> or CTRL 8
Function 9	<FSI+9> or CTRL 9
Function 10	<FSI+0> or CTRL 0
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	ENTER
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	ENTER
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

Because of the limited set of keys on the DT-1 key board, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

Note that the CTRL <number> combinations work only with the numeric keypad.

TANDY MODEL 16 Function Key Mapping

RM/COS Function	TRSM16 Keycap
Acknowledge	HOLD
Attention	<FSI+E> or <FSI+e>
Command	BREAK
Delete Char	<FSI+D> or <FSI+d>
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	ESC
Function 1	F1
Function 2	F2
Function 3	<FSI+3>
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	ENTER
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	ENTER
Right Arrow	<right arrow>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

Because of the limited set of keys on the TRSM16 keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

TELEVIDEO 925 and 950 Pass-Through Printing

Pass-through printing is supported on the TeleVideo 925 and the TeleVideo 950, but note the following:

1. Nulls may not be sent to the printer.

2. The printer off sequence (ESC a) may not be sent to the printer.

TELEVIDEO 925 and 950 Function Key Mapping

RM/COS Function	TVI925/TVI950 Keycap
Acknowledge	F11
Attention	SHIFT F11
Command	PAGE ERASE
Delete Char	CHAR DELETE or DEL
Delete Line	LINE DELETE
Down Arrow	<down arrow>
Erase Field	LINE ERASE
Erase Right	CLEAR SPACE
FSI	CTRL G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	SHIFT F1
Function 12	SHIFT F2
Function 13	SHIFT F3
Function 14	SHIFT F4
Function 15	SHIFT F5
Function 16	SHIFT F6
Function 17	SHIFT F7
Function 18	SHIFT F8
Function 19	SHIFT F9
Function 20	SHIFT F10
Home	HOME
Insert Char	CHAR INSERT
Insert Line	LINE INSERT
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN or ENTER
New Line	LINE FEED
Print	PRINT
Return	RETURN or ENTER
Right Arrow	<right arrow>
Send	SEND
Tab Left	BACK TAB
Tab Right	TAB
Up Arrow	<up arrow>

TELEVIDEO 970 Pass-Through Printing

Pass-through printing is supported on the TeleVideo 970 with revision E (6/16/83) firmware. Pass-through printing is supported on the revision D firmware with the constraints listed below. For both versions of the firmware, the DC4 character (printer off) may not be sent to the printer.

1. For X-ON/X-OFF printers (the XMIT CONTROL setup parameter for the printer port is set to XON/XOFF) the parity on the printer port should be set to NONE and the number of data bits on the printer port should be set to 8, otherwise the terminal will not recognize the X-ON or X-OFF.

2. While doing pass-through printing and terminal mode input, sometimes the [ ] prompt and the input characters are not displayed, but the input characters are sent to the host. This problem may be avoided by changing the SCROLL type setup parameter to JUMP.

TELEVIDEO 970 Function Key Mapping

RM/COS Function	TVS970 Keycap
Acknowledge	PAGE
Attention	SHIFT F16
Command	PAGE ERASE
Delete Char	CHAR DELETE or DEL
Delete Line	LINE DELETE
Down Arrow	<down arrow>
Erase Field	LINE ERASE or CE or SHIFT CE
Erase Right	CLEAR SPACE
FSI	CTRL G or FUNCT pressed simultaneously with the Function Sequence Code
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	F11
Function 12	F12
Function 13	F13
Function 14	F14
Function 15	F15
Function 16	F16
Function 17	SHIFT F1
Function 18	SHIFT F2
Function 19	SHIFT F3
Function 20	SHIFT F4
Home	HOME
Insert Char	CHAR INSERT
Insert Line	LINE INSERT
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN or ENTER
New Line	LINE FEED
Print	PRINT
Return	RETURN or ENTER
Right Arrow	<right arrow>
Send	SEND
Tab Left	BACK TAB
Tab Right	TAB
Up Arrow	<up arrow>

TTY Terminal Description

The TTY terminal type is a general type which supports almost any video terminal. Internally, the system maintains a 1x79 screen buffer. Utilities, such as MODUSER and SEDIT, which expect a full-sized video screen, will not work properly with a TTY terminal type. Only the bottom line of the screen is really used. The effect is much the same as using a hardcopy terminal such as a TTY.

The screen is assumed to be at least 80 columns wide (of which only 79 are used). The only control codes sent to the terminal are the following:

NUL should be ignored by the terminal.

CR returns the cursor to the left margin of the same line (no auto-linefeed).

LF moves the cursor down one line without changing the horizontal position of the cursor. If performed with the cursor on the bottom line, the screen is assumed to scroll up.

BS moves the cursor left one position without altering the data displayed (non-destructive backspace).

TTY Function Key Mapping

RM/COS Function	TTY Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	DELETE
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	LINE FEED
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	CTRL G
Function 1	<FSI+1>
Function 2	<FSI+2>
Function 3	<FSI+3>
Function 4	<FSI+4>
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	BACK SPACE
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<FSI+L> or <FSI+l>
Send	<FSI+O> or <FSI+o>
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<FSI+K> or <FSI+k>

WICAT T7000 Terminal Setup

The procedure for changing the terminal characteristics (baud rate, parity, etc.) on the WICAT T7000 is as follows:

1. Press the SET-UP key to enter setup mode. The terminal will respond on the 25th line, giving you the first of five status summary lines.

2. To select a different status line, press either the up arrow key or down arrow key.

3. One of the attributes on the displayed status line will be blinking. That attribute can be changed by pressing the space bar one or more times. The left arrow key and right arrow key may be used to select the attribute to be changed.

4. To make the changes permanent, type PERM (in upper case).

5. Press the SET-UP key to leave setup mode. If PERM was typed while in setup mode, the terminal displays "MAKING CHANGES PERMANENT" for a few seconds.

The five status summary lines are as follows:

1. Miscellaneous global modes:
   a. MODE -- should be ONLINE
   b. DUPLEX -- should be FULL
   c. CURSOR -- should be NOBLNK BLOCK (non-blinking block)
   d. AUTWRP -- should be SET
   e. KEYCLICK -- set according to user's preference

2. Tab stop positions: not used by RM/COS.

3. Printer port characteristics: does not matter, since RM/COS does not use the printer port on the T7000.

4. Host port characteristics:
   a. BAUD -- should match the baud rate specified on the U record for this terminal in the System Definition File (see Chapter 2 in the Operator Guide).
   b. PARITY -- corresponds to the parity specification on the U record in the System Definition File as follows: "DSABLED EVEN" and "DSABLED ODD" mean NONE; "ENABLED EVEN" means EVEN; "ENABLED ODD" means ODD.
   c. SBITS -- should match the stop-bits specification on the U record in the System Definition File.
   d. DBITS -- should match the word-length specification on the U record in the System Definition File.

5. Miscellaneous video attributes. None of these should be altered by the user.

WICAT T7000 Function Key Mapping

RM/COS Function	T7000 Keycap
Acknowledge	<FSI+A> or <FSI+a>
Attention	<FSI+E> or <FSI+e>
Command	<FSI+Q> or <FSI+q>
Delete Char	DEL
Delete Line	<FSI+Z> or <FSI+z>
Down Arrow	<down arrow>
Erase Field	<FSI+C> or <FSI+c>
Erase Right	<FSI+R> or <FSI+r>
FSI	CTRL G or LINE FEED
Function 1	PF1
Function 2	PF2
Function 3	PF3
Function 4	PF4
Function 5	<FSI+5>
Function 6	<FSI+6>
Function 7	<FSI+7>
Function 8	<FSI+8>
Function 9	<FSI+9>
Function 10	<FSI+0>
Function 11	<FSI+!>
Function 12	<FSI+@>
Function 13	<FSI+#>
Function 14	<FSI+$>
Function 15	<FSI+%>
Function 16	<FSI+^>
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	<FSI+G> or <FSI+g>
Insert Char	<FSI+I> or <FSI+i>
Insert Line	<FSI+N> or <FSI+n>
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN
New Line	<FSI+F> or <FSI+f>
Print	<FSI+P> or <FSI+p>
Return	RETURN
Right Arrow	<right arrow>
Send	ENTER
Tab Left	<FSI+B> or <FSI+b>
Tab Right	TAB
Up Arrow	<up arrow>

Because of the limited set of keys on the T7000 keyboard, most functions must be entered by use of the Function Sequence Introducer (FSI in left column). See Appendix I in User Guide. For convenience, a single key FSI has been defined.

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

WYSE WY-50 Terminal Setup

The procedure for setting the terminal characteristics (baud rate, parity, etc.) on the Wyse WY-50 is as follows:

1. Press the Shift and Setup keys to display the configuration fields. The bottom row of the screen will contain level one of five levels of parameter fields.

2. Adjust the screen brightness with the intensity control on the front lower righthand side of the video module. Turn it downward for high contrast and upward for dim.

3. To display a different level of fields, press either the up arrow key or down arrow key.

4. One of the parameters will be brighter than the others. That attribute can be changed by pressing the space key one or more times. The left arrow key and right arrow key may be used to select the parameter to be changed.

5. Press the Shift and Setup keys to save the configuration changes. To make the changes permanent, enter "Y" in response to the prompt.

The five levels of parameters fields are as follows:

1. Field Level 1:
   a. Handshake -- must be XONXOFF.
   b. Screen -- RM/COS will set this to 80.
   c. Cursor -- set according to user preference.
   d. Blink? -- set according to user preference.
   e. Mode -- must be FDX.

2. Field Level 2:
   a. Data Bit -- should match the word-length specification on the U record for this terminal in the System Definition File (see Chapter 2 in the Operator Guide). If a printer is connected to the AUX port, the printer and the terminal must both use the same word length, number of stop bits, and parity.
   b. Stop Bit -- should match the stop-bits specification on the U record.
   c. Parity bit -- should match the parity specification on on the U record.
   d. Modem Port Baud Rate -- should match the baud-rate specification on the U record.

3. Field Level 3:
   a. Blk End -- RM/COS does not use block mode.
   b. Auto NL -- must be ON.
   c. CR -- must be CR.
   d. Auto Scrl -- RM/COS will set this to OFF.
   e. AUX Baud R -- set to match the attached printer.

4. Field Level 4:
   a. SCRL -- set according to user preference.
   b. Status -- RM/COS will clear the message field.
   c. S.Saver -- set according to user preference.
   d. Prot -- RM/COS will set this to DIM.
   e. Test -- must be OFF.

5. Field Level 5:
   a. Keys? -- set according to user preference.
   b. Ret/Enter -- must be CR/CR.
   c. Compatible Mode -- must be WY50.
   d. Enhance -- RM/COS uses the native WY-50 mode.

WYSE WY-50 Pass-Through Printing

Pass-through printing is supported on the Wyse WY-50 with three restrictions:

1. The printer and the terminal must both use the same word length, number of stop bits, and parity.

2. Only DTR printer flow control is supported. The terminal ignores XOFF characters from the printer.

3. The DC4 character (printer off) may not be sent to the printer.

WYSE WY-50 Function Key Mapping

RM/COS Function	WY-50 Keycap
Acknowledge	PAGE Next
Attention	CLR Scrn
Command	PAGE Prev
Delete Char	Del or DEL Char
Delete Line	DEL Line
Down Arrow	<down arrow>
Erase Field	CLR Line
Erase Right	Shift Home
FSI	Ctrl G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	F11
Function 12	F12
Function 13	F13
Function 14	F14
Function 15	F15
Function 16	F16
Function 17	Shift F1
Function 18	Shift F2
Function 19	Shift F3
Function 20	Shift F4
Home	Home
Insert Char	INS Char or Repl or Ins
Insert Line	Ins Line
Interrupt	Ctrl X
Left Arrow	<left arrow> or Back Space
Log-in	Return or Enter
New Line	<FSI+F> or <FSI+f>
Print	Print
Return	Return or Enter
Right Arrow	<right arrow>
Send	Send
Tab Left	Shift Tab
Tab Right	Tab
Up Arrow	<up arrow>

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

WYSE WY-100 Pass-Through Printing

Pass-through printing is supported on the Wyse WY-100 with revision F firmware. The DC4 character (printer off) may not be sent to the printer.

WYSE WY-100 Function Key Mapping

RM/COS Function	WY-100 Keycap
Acknowledge	EOM (unshifted)
Attention	<FSI+E> or <FSI+e>
Command	PAGE ERASE
Delete Char	DEL CHAR or RUB OUT
Delete Line	LINE DELETE
Down Arrow	<down arrow> or LINE FEED
Erase Field	LINE ERASE
Erase Right	<FSI+R> or <FSI+r>
FSI	CTRL G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	SHIFT F1
Function 10	SHIFT F2
Function 11	SHIFT F3
Function 12	SHIFT F4
Function 13	SHIFT F5
Function 14	SHIFT F6
Function 15	SHIFT F7
Function 16	SHIFT F8
Function 17	<FSI+&>
Function 18	<FSI+*>
Function 19	<FSI+(>
Function 20	<FSI+)>
Home	HOME
Insert Char	INS CHAR or INS/REP (unshifted)
Insert Line	LINE INSERT
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN or ENTER
New Line	NEW LINE
Print	PRINT
Return	RETURN or ENTER
Right Arrow	<right arrow>
Send	SEND LINE or SEND PAGE or SEND MSG
Tab Left	SHIFT TAB
Tab Right	TAB
Up Arrow	<up arrow>

The ESC key should not be pressed when using RM/COS. Pressing this key may cause the next one or two characters typed to be lost or misinterpreted.

ZENTEC ZEPHYR Function Key Mapping

RM/COS Function	ZEPHYR Keycap
Acknowledge	F16
Attention	SHIFT F16
Command	CLEAR PAGE
Delete Char	DEL CHAR or DEL
Delete Line	DEL LINE
Down Arrow	<down arrow> or LINE FEED
Erase Field	CLEAR LINE
Erase Right	NEW PAGE
FS1	CTRL G
Function 1	F1
Function 2	F2
Function 3	F3
Function 4	F4
Function 5	F5
Function 6	F6
Function 7	F7
Function 8	F8
Function 9	F9
Function 10	F10
Function 11	F11
Function 12	F12
Function 13	F13
Function 14	F14
Function 15	F15
Function 16	SHIFT F1
Function 17	SHIFT F2
Function 18	SHIFT F3
Function 19	SHIFT F4
Function 20	SHIFT F5
Home	HOME
Insert Char	INS CHAR
Insert Line	INS LINE
Interrupt	CTRL X
Left Arrow	<left arrow> or BACK SPACE
Log-in	RETURN or ENTER
New Line	NEW LINE
Print	PRINT
Return	RETURN or ENTER
Right Arrow	<right arrow>
Send	SEND LINE or SEND PAGE
Tab Left	BACK TAB
Tab Right	TAB
Up Arrow	<up arrow>

The RESET and ESC keys should not be pressed when using RM/COS. The RESET key resets the terminal without any notification to the host computer. The ESC key may cause the next character to be lost or misinterpreted.