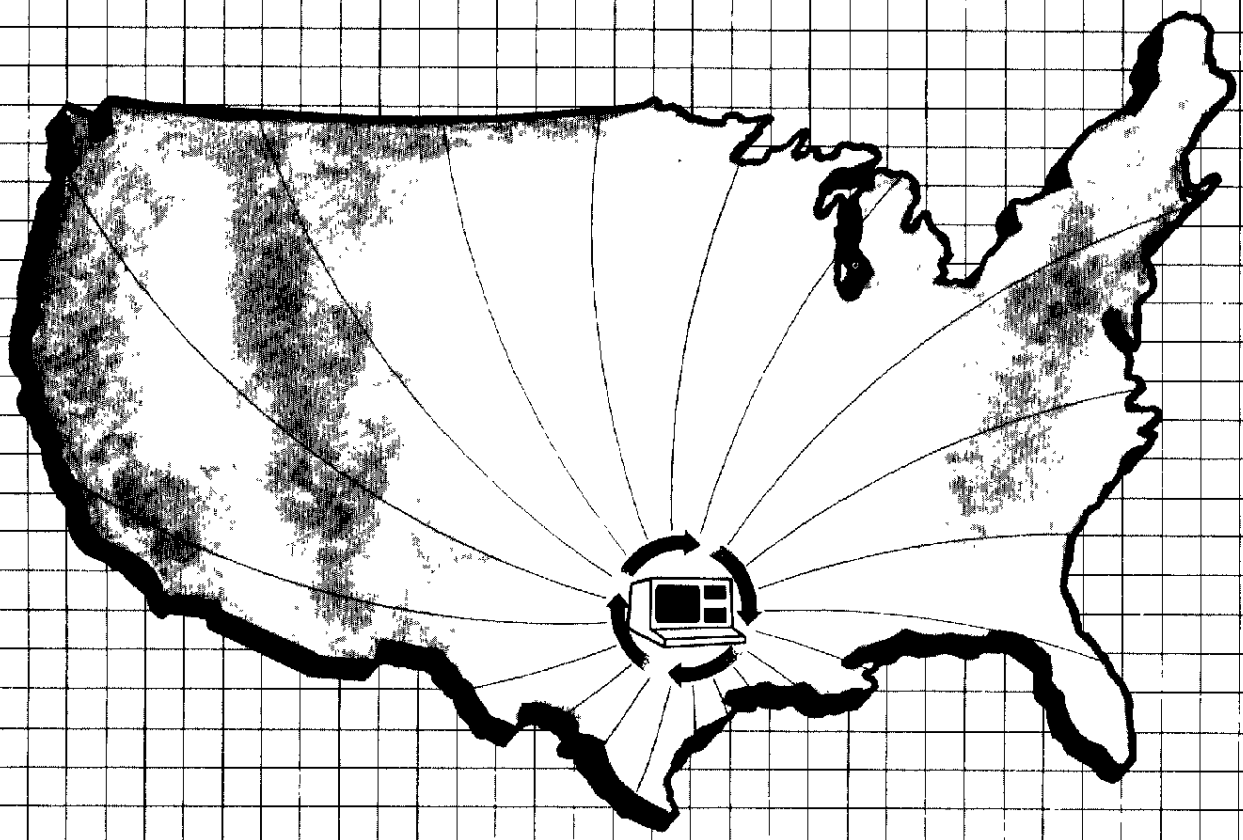
Catalog No. 26-2222

TRS-80® VIDEOTEX
User's Guide
TRS-80® Color Computer



Radio Shack®

CUSTOM MANUFACTURED IN THE USA BY RADIO SHACK A DIVISION OF TANDY CORPORATION

TRS-80® Color Computer Videotex User's Guide: © 1981 Copyright by Tandy Corporation, Fort Worth, Texas 76102. All rights reserved.

Reproduction or use, without express written permission from Tandy Corporation, of any portion of this manual, is prohibited. While reasonable efforts have been taken in the preparation of the manual to assure its accuracy, Tandy Corporation assumes no liability resulting from any errors or omissions in this manual or from the use of the information obtained herein.

TRS-80® Color Computer VIDTEX Software: Copyright © 1981 Tandy Corporation. All rights reserved.

10 9 8 7 6 5 4 3 2

Contents

Introduction 2
Starting-Up 3
    Loading VIDTEX 3
Using VIDTEX 4
    Using the Color Computer Keyboard 4
    Special Characters Received 5
Hints and Tips 6

Introduction

The TRS-80® VIDEOTEX program is called VIDTEX. It is a machine-language program supplied on a Program Pak™.

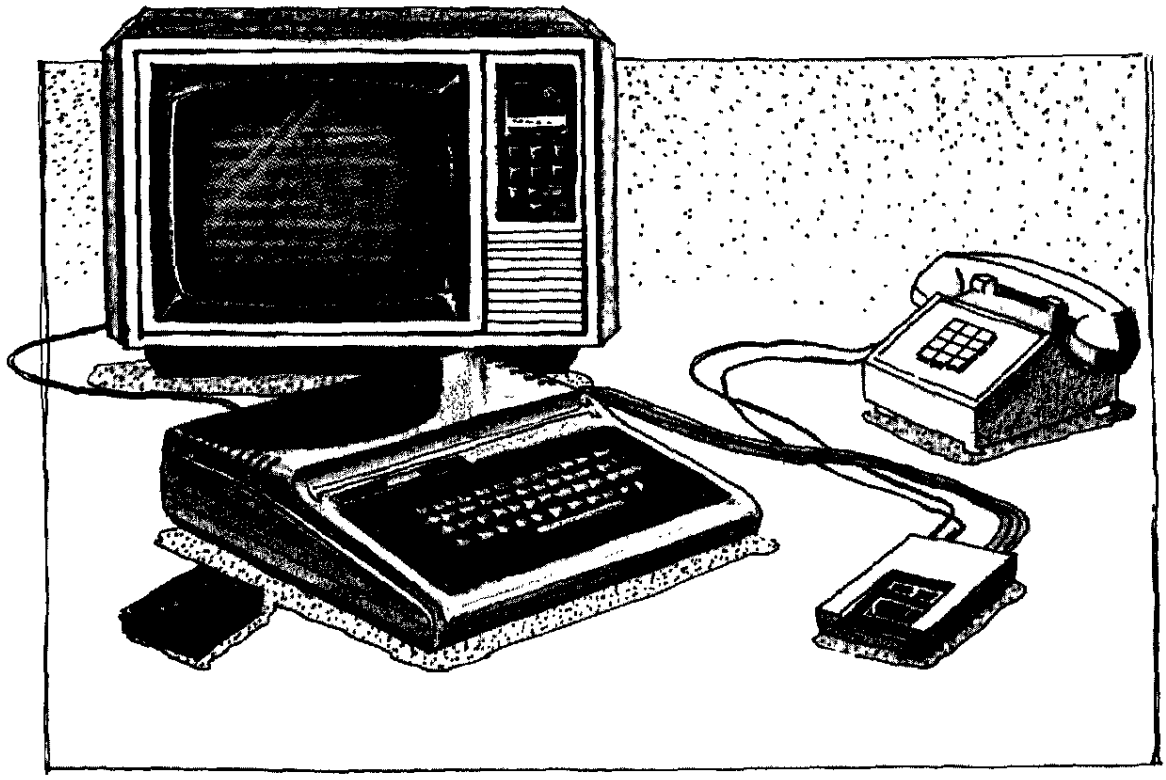
VIDTEX is a smart-terminal program which enables your TRS-80® Color Computer to communicate with any computer information service (i.e., the *host* system) which has telephone answering capabilities as well as the same communications protocol as VIDTEX.

Your information service user's guide will tell you how to get on and use a particular network.

This manual, however, explains the Color Computer VIDTEX software only and should be used in conjunction with an information service user's guide.

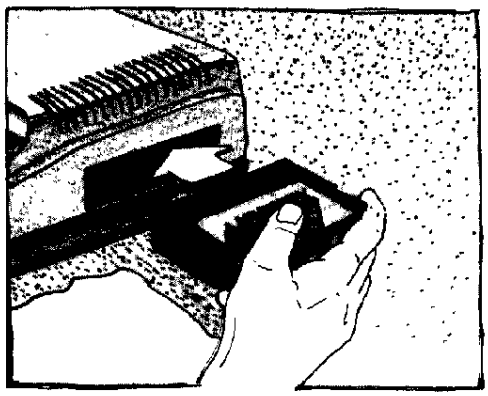
To use the VIDTEX package, you'll need a:

- Telephone
- TRS-80® Color Computer (and a Color TV. We suggest Radio Shack's 26-3010).
- Modem or Acoustic Coupler, which allows your Computer to communicate with other computers over the telephone. Radio Shack provides several of these; for example, the Telephone Interface II (Radio Shack Catalog Number 26-1171) and the Modem I (26-1172).



Starting-Up

To load the VIDTEX program, follow these steps:



1. Be sure your Color Computer is turned OFF.
2. Insert the VIDEOTEX Program Pak™.
3. Turn the Color Computer ON.
4. When program heading appears, you have two options:

   - You can begin communicating with the host system immediately.

     To do so, press (BREAK) and dial the host system's telephone number; then set the modem.

     To set the modem (if you're using a Modem I) be sure your modem is powered-up and properly connected before you load VIDTEX. (See your modem's owner's manual for details.) When you hear the high-pitched tone over your telephone headset, set the MODE switch to ORIG and hang-up the phone.

     You should then press (BREAK) and proceed as described in the host system's user's guide.

     To set the Acoustic Coupler (if you're using a Telephone Interface II) be sure the telephone interface is powered-up and properly connected before you load VIDTEX. (See your interface's owner's manual for details.) Set the MODE switch to O and the DUPLEX switch to F. When you hear the high-pitched tone over your telephone, place the headset in the interface cradle. You should then press (BREAK) and proceed as described in your host system's user's guide.

   - You can enter the ADVANCE STORAGE MODE (if the host system you're communicating with allows it). In this mode, you can type information into the Computer's memory before you establish a telephone connection and begin communicating with the host network. Then, when you establish a telephone connection with the host system, the information will be sent very quickly to the host network.

     To use this feature, press any key (other than (BREAK)) once the program heading appears. You can then begin typing information into the Computer. When you're ready to begin communicating with the host network, press (BREAK) and proceed as described above.

Using VIDTEX

While running VIDTEX, whatever you type will be sent to the host system. Whatever information you receive from the host computer will usually (but not always) be displayed on your screen.

Using the Color Computer Keyboard While In VIDTEX

In general, you can use the keyboard as usual. However, under VIDTEX some keys perform certain operations. Others send special characters not normally available on the keyboard. When communicating with the host system, you'll find that the most commonly used keys are (ENTER) and (BREAK). The following table summarizes the special keyboard capabilities your TRS-80® has when VIDTEX is running.

Function Keys and Other Special Characters

Hex Code	Key Combination	Typical VIDTEX Function/Character
None	(↓)	Control Key (on-line) Down scroll (off-line)
5E	(↑)	" ↑ " Character (on-line) Up scroll (off-line)
08	(←)	Backspaces cursor or erases character
09	(→)	Horizontal tab
03	(BREAK)	Control-C
1B	(CLEAR)	Escape
5B	(SHIFT)(←)	"["
5D	(SHIFT)(→)	"]"

Special Characters Received

Most characters received by your TRS-80® are simply displayed on the screen. Certain characters, however, have special functions. They allow the host system to perform specific operations on your Computer (such as clearing the screen, moving the cursor, and printing messages at specified screen locations). Note that these codes are generated by the host computer and will not function "locally". The following table will describe these received characters.

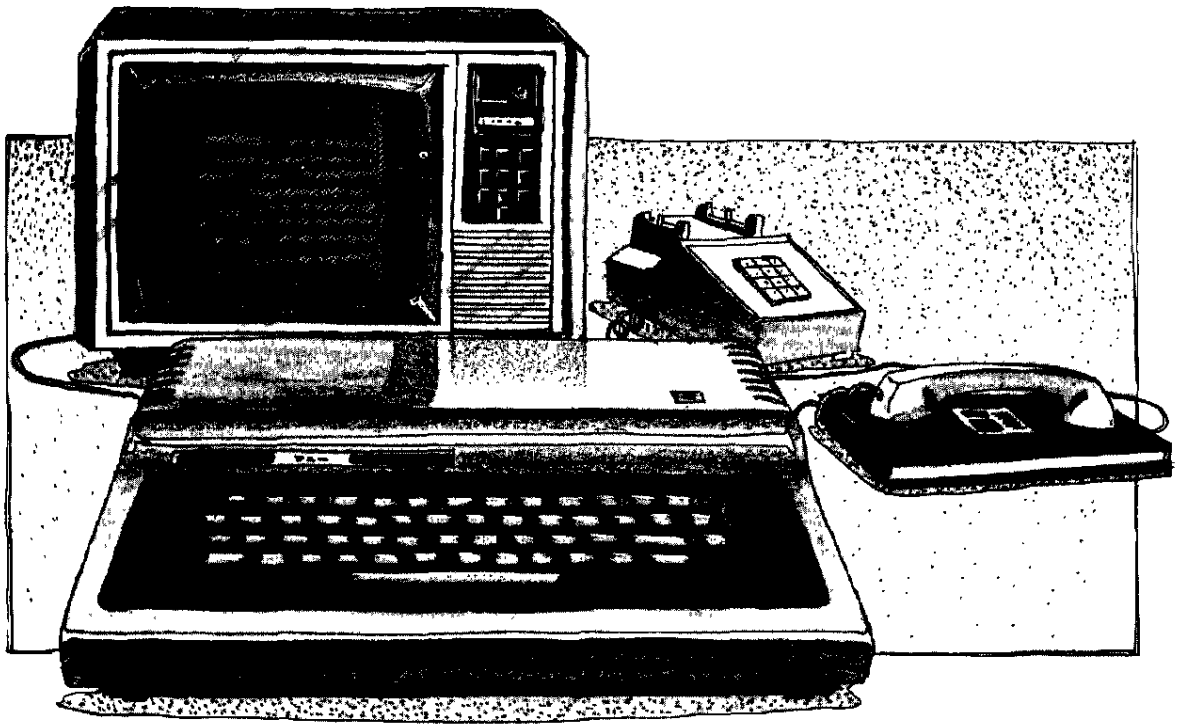
Special Functions/Character Received

Name	Effect on Your TRS-80®	Hex Code
ESC A	Move up one line	1B 6A
ESC B	Move down one line	1B 42
ESC C	Move right one space	1B 43
ESC D	Move left one space	1B 44
ESC H	Home cursor	1B 48
ESC K	Clear to end of line	1B 4B
ESC J	Clear to end of page	1B 6A
ESC j	Clear page	1B 6A
ESC Y	Position cursor to specified *line, column* *	1B 59

***Note:** ESC Y lets the host computer move the cursor to any position on the screen. ESC Y followed by a two-byte sequence indicating the desired line and column. The first byte is the column value in binary plus hex 20; the second byte is the line value in binary plus hex 20. For example, 1B 59 28 40 (28 – 8 + 20; 40 = 20 + 20) would position the cursor at line 8, column 32 (hex 8, hex 20).

Hints and Tips

- The 16K TRS-80™ Color Computer stores up to the last 31 pages in the text buffer; the 4K system, up to the last seven pages.
- A Control-C is generated by pressing (BREAK).
- You may be inadvertently disconnected from the network if you have a "call-waiting" service and there is an incoming call signal.
- If an extension phone is picked up, you may receive data errors (normally, you will not be disconnected).
- When connected to the network, your TRS-80™ Color Computer will not respond to "normal" commands and languages.
- To issue a command, you must return to OK by pressing (BREAK). Doing so will not disconnect you from the information service. You may resume communications with the host system by restarting VIDTEX.
- Always log-off (BYE, OFF, or DISC are typical log-off commands) before hanging-up. This prevents your being charged for unused connect time.



Notes:

Notes:

IMPORTANT NOTICE

ALL RADIO SHACK COMPUTER PROGRAMS ARE LICENSED ON AN "AS IS" BASIS WITHOUT WARRANTY.

Radio Shack shall have no liability or responsibility to customer or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by computer equipment or programs sold by Radio Shack, including but not limited to any interruption of service, loss of business or anticipatory profits or consequential damages resulting from the use or operation of such computer or computer programs.

NOTE: Good data processing procedure dictates that the user test the program, run and test sample sets of data, and run the system in parallel with the system previously in use for a period of time adequate to insure that results of operation of the computer or program are satisfactory.

RADIO SHACK SOFTWARE LICENSE

A. Radio Shack grants to CUSTOMER a non-exclusive, paid up license to use on CUSTOMER'S computer the Radio Shack computer software received. Title to the media on which the software is recorded (cassette and/or disk) or stored (ROM) is transferred to the CUSTOMER, but not title to the software.

B. In consideration for this license, CUSTOMER shall not reproduce copies of Radio Shack software except to reproduce the number of copies required for use on CUSTOMER'S computer (if the software allows a backup copy to be made), and shall include Radio Shack's copyright notice on all copies of software reproduced in whole or in part.

C. CUSTOMER may resell Radio Shack's system and applications software (modified or not, in whole or in part), provided CUSTOMER has purchased one copy of the software for each one resold. The provisions of this software License (paragraphs A, B and C) shall also be applicable to third parties purchasing such software from CUSTOMER.

RADIO SHACK A DIVISION OF TANDY CORPORATION

U.S.A.: FORT WORTH, TEXAS 76102
CANADA: BARRIE, ONTARIO L4M 4W5

TANDY CORPORATION

AUSTRALIA	BELGIUM	U.K.
280-316 VICTORIA ROAD RYDALMERE, N.S.W. 2116	PARC INDUSTRIEL DE NANINNE 5140 NANINNE	BILSTON ROAD WEDNESBURY WEST MIDLANDS WS10 7JN

PRINTED IN U.S.A.