



TANDY ELECTRONICS

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TRS-80 PRODUCT INFORMATION BULLETIN 82/7 1

TO ALL DEALER STORES, AREA DIRECTORS
FROM DAVE HENBY
SUBJECT BISYNC-80/3270 MODEL II
DATE 3RD MAY, 1982

CAT. NUMBER 260 4715 - BISYNC-80/3270, MODEL II.

- SUGGESTED RETAIL - \$1295.00

The EMULATOR allows your TRS-80 MODEL II to be used as an IBM 3271/3277 display station. Your MODEL II can communicate through a modem and telephone line to a remote computer, using standard IBM Binary Synchronous communications capability.

Since a computer system using bisynchronous hardware or software is usually IBM equipment and is located remotely to a mainframe computer system, this memo will refer to whatever the TRS-80 MODEL II is communicating with as the REMOTE.

FUNCTIONAL FEATAURES AND OPTIONS

When your model II is connected by a modem * to a REMOTE, all functions of an IBM 3270 display station are provided by the BYSINC-80/3270 EMULATOR. These functions include:-

- * Screen formatting
- * Polling responses
- * Data Link Control
- * Time out control
- * Cyclic redundancy checking

These functions are described more completely in IBM publication GA27-2749, IBM 3270 Display System Component Description.

A MODEL II running the BISYNC-80/3270 EMULATOR may be used ineractively with REMOTE programs such as:-

- * IBM'S TSO
- * IBM's CICS
- * Any REMOTE that supports IBM 3270 or 3275 terminals.

* 260 9402 Accoustic Coupler is not suitable.

To use the EMULATOR, you'll need a TRS-80 MODEL II with 64K of RAM memory. You may include an optional line printer and additional floppy disk drives. Before the MODEL II can be used to communicate with a REMOTE, Serial Channel A on the MODEL II must be configured for synchronous communications. This must be done by a qualified Tandy Electronics Service Technician.

COMMUNICATIONS LINE REQUIREMENTS

The EMULATOR may be operated at data rates up to 9,600 baud with one of three communications links.

- * Point-to-point, Multipoint, (leased) or Switched (dial-up) telephone lines with synchronous modems.
- * Hard-wired connections with a synchronous modem.
- * Hard-wired connections with a synchronous modem eliminator.

Interface to the modem or modem eliminator is via a 25 conductor cable equipped with DB-25 type connectors on both ends (260-4403).

The EMULATOR communicates in half-duplex mode and requires only half-duplex communications facilities.

The EMULATOR may be run with a hard-wired connection and short-haul synchronous modems or a synchronous modem eliminator when communicating over short distances. The length of the communications path in these configurations is limited by the characteristics of the modems or modem eliminator used. The specifications of the modem or modem eliminator will show the baud rates and cable lengths that may be used with the device.