

Thinking about upgrading your Mod III  
to an IBM PC, Tandy 2000, or Mod 4?

EMSI's conversion utilities not only make it feasible,  
they save you lots of time and money!

Thousands of Mod III users would like to move up to state-of-the-art hardware and software but have resisted because of software non-compatibility. No wonder, upgrading is a very tough decision when it requires discarding one expensive BASIC software library and buying another. Further, many Mod III owners have spent hundreds of hours and dollars customizing purchased programs, and writing and debugging their own programs for unique applications. And these programs can't be replaced off the shelf - at any price! So, what's a Mod III owner to do?

EMSI's powerful conversion utilities are the answer. With CONV3TOPC, CONV3TO2000, and CONV3TO4, Mod III owners can quickly and efficiently convert their existing BASIC programs to run on the new machines.

All three utilities are menu driven and very easy to use. In just a few minutes they will convert 95% of even the largest BASIC program. They automatically insert all required spaces, fix the exponentiation symbol, adjust tab addresses, eliminate unnecessary spaces, remove down arrows, optionally remove REM's, and flag and list unresolved line numbers requiring manual revision.

In addition, Mod III PRINT@ instructions are automatically revised.

CONV3TO4 recalculates addresses for the Mod 4 screen. The Mod III line:

```
100 PRINT@64,"--- Displayed Text ---"  
would be replaced with  
100 PRINT@80,"--- Displayed Text ---"
```

CONV3TOPC and CONV3TO2000 replace Mod III PRINT@'s with the LOCATE and PRINT instructions. The Mod III line:

```
200 PRINT@128,"--- Displayed Text ---"  
would be replaced with  
200 LOCATE 3,1:PRINT"--- Displayed Text ---"
```

The 30 page User Guides explain program operation in complete detail, provide alternatives for revising flagged lines, and offer numerous hints for trouble-free conversions.

A customer in Seaford, NY called the CONV3TO4 manual  
"more useful , in many ways, the Model 4 manual."

In the June issue of 80 Micro, Mark Goodwin stated,  
"The CONV3TO4 manual is nothing short of excellent."

```
CONV3TO4 MASTER MENU  
CODE          OPTION  
A  Display errors on SCREEN.  
B  Display Mod III program lines on SCREEN.  
C  Display Mod 4 program lines on SCREEN.  
.  
D  List errors on PRINTER.  
E  List Mod III program lines on PRINTER.  
F  List Mod 4 program lines on PRINTER.  
.  
G  PAUSE after each error condition.  
H  SOUND BELL after each error condition.  
.  
I  SAVE converted Mod 4 version on disk.  
.  
J  Insert line feed after each ":".  
K  Insert line feed before IF, THEN, ELSE.  
L  Remove REM's and comments from Mod 4 Ver.
```

Type the codes for all desired options  
and then press (ENTER).

Sample Menu.

## What about transferring files and programs from the Mod III to the IBM PC and Tandy 2000?

The CONV3TOPC and CONV3TO2000 conversion packages include an eloquent solution for the problem of moving your programs and files from the Mod III to the IBM PC and Tandy 2000.

LINK3PC is a menu driven file transfer utility that's a snap to use. One option formats IBM PC and Tandy 2000 readable MS-DOS diskettes on the Mod III in drive :1.

Other options copy files back and forth between the diskette in drive :0 (formatted with any Mod III DOS) and the MS-DOS diskette in drive :1.

It provides two copy modes, ASCII and image, and, unlike some other transfer programs on the market, correctly identifies EOF markers to eliminate garbage in the last sector of copied files.

LINK3PC is provided on a TRSDOS 2.3 diskette and contains a Mod I version as well as a Mod III version. Note, however, that Mod I users need a "doubler" in order to format MS-DOS diskettes. LINK3PC is included free with CONV3TOPC and CONV3TO2000.

**Okay, everything sounds terrific so far. What's the bad news?**

We've stated that the conversion utilities automatically convert 95% or more of each BASIC program. By definition that means that 5% or less of each program will require manual revisions. As such, we anticipate that some readers have a few questions such as:

(1) How much programming ability do I need to manually revise that 5%?

If you know how to LOAD and SAVE programs, edit program lines, are familiar with a few commands such as FOR/NEXT, IF/THEN, CLEAR, TAB, etc., and can follow directions as detailed in the user guides, then you shouldn't have any trouble.

(2) Are some BASIC programs just about impossible to convert?

The answer is yes. It will be difficult to convert a program to run on the IBM PC, Tandy 2000 or Mod 4 if it contains USR calls to Mod III ROM locations or uses the graphic commands, SET, RESET or POINT. Note, however, that the vast majority of Mod III BASIC programs do not make ROM calls, and SET, RESET and POINT are primarily used in game programs.

In addition, it will be difficult to convert a program to the Mod 4 if it contains PEEKs to screen locations 15360 to 16383.

Lastly, it will be extremely difficult to convert a program to the IBM PC or Tandy 2000 if it contains USR calls to machine language routines. A good way to determine if you have such programs is to scan your listings for the occurrence of the USR and DEFUSR statements.

Admittedly, these answers have been brief due to space limitations and we appreciate the fact that some readers may want additional information before spending up to \$139.95. For exactly that reason we offer the User Guides separately for \$5.00 (Cash, Check or MO - absolutely no credit cards). If you have the slightest doubt about whether one of these conversion packages will fit your particular needs, please order just the User Guide of your choice first. We will credit your subsequent order for the entire package.

-----  
**Select from the following:**

- 0 Directory of TRS80 drive 0**
- 1 Directory of MS-DOS drive 1**
- 2 Copy file from drive 0 to 1**
- 3 Copy file from drive 1 to 0**
- 4 Format a disk in drive 1**
- 5 Exit program.**

>>

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CONV3TO4	Converts TRS-80 Mod III BASIC to TRS-80 Mod 4 Reviewed in June 80 Micro and by Radio Shack (see at your local Radio Shack Computer Center).	\$ 49.95
CONV3TOPC	Converts TRS-80 Mod III BASIC to IBM PC Includes free LINK3PC.	\$139.95
CONV3TO2000	Converts TRS-80 Mod III BASIC to Tandy 2000 Includes free LINK3PC.	\$139.95
LINK3PC	Transfers programs and files between the Mod I/III and IBM PC or Tandy 2000.	\$ 49.95

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Educational Micro Systems Inc.

**EMSI presents conversion utilities for Mod III Owners:**

- CONV3TO4 - Converts Mod III BASIC to Mod 4 BASIC
- CONV3TOPC - Converts Mod III BASIC to IBM PC (and compatible) BASIC
- CONV3TO2000 - Converts Mod III BASIC to Tandy 2000 (GW-BASIC)
- LINK3PC - "Modemless" file transfers: Mod III <-> IBM PC & Tandy 2000

**Customer comments:**

"Absolutely fantastic!"  
Saugerties, NY

"Excellent!"  
Brook Park, OH

"...saved us hours and hours of work"  
Port Lucie, FL

"This program will be worth its weight in gold"  
Conyngham, PA

"Value for the money"  
Hobart, Australia

"We appreciate your prompt service!"  
Syracuse, NE

"The program CONV3TO2000 from Educational Micro Systems is just as much of a must for the person who owns a Model I or Model III and a 2000 as NEWDOS 2.1 was back in late 1978 and early 1979 for the Model I owner"

Peter Dunn, Sturdivant and Dunn, Inc., Conway, NH

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