

IBM 3270 Personal Computer

# 2 Setting Up and Learning the Control Program



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This manual discusses how to set up and learn the IBM 3270 Personal Computer Control Program.

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## **About This Book**

This book will be your guide to the 3270 PC Control Program. Use it after you have set up your work station hardware. This book will help you get a default copy of the IBM 3270 PC Control Program that will work with your 3270 PC. It will also introduce you to the Online Tutorial. The online tutorial, called HELPER, will teach you how to use the 3270 PC Control Program. HELPER together with Book 3 - Using the Control Program, will help you make use of the control program while you are doing your work.

### How to Use This Book

This booklet and the diskette accompanying it, can be inserted into your *Guide to Operations* for safe keeping.

Here is a quick "road map" to this book:

• Chapter 1. Setting Up the 3270 PC Control Program

If you were not given a copy of the control program to use and need to set up your own default copy, read this chapter.

## • Chapter 2. Using HELPER - The Online Tutorial

To learn how to use the online tutorial, read this chapter. The tutorial will show you how to use your 3270 PC and it control program. It is organized into units that match your experience with host and personal computing.

### Book 3

• When you have finished the tutorial and want to begin doing your work, go to Book 3. It will help you use your 3270 PC every day. You can keep this book near your work station and refer to whenever you need it.

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## Chapter 1. Setting Up the 3270 PC Control Program

Here is a brief summary of the steps in this chapter:

- Get the copy of the control program you are going to use (page 1-3).
- Load DOS into memory (page 1-7).
- Prepare your fixed disk (page 1-15).
- Prepare your system diskette using two diskette drives (page 1-29).
- Prepare your system diskette using one diskette drive (page 1-37).
- Load your control program for the first time (page 1-47).

## Step 1. Getting Your Own Copy of the 3270 PC Control Program

Before you can use your 3270 PC, you must have your own copy of the 3270 PC control program. This is the copy that you will use for your daily work. In this step, we will tell you how to get a copy that you can use. There are three ways that you can get a copy of the control program that will work on your system:

1. Your supervisor or the person you call for help with using your computer may have given you a copy of the control program to use. It has already been set up for your work station. This copy can be on a diskette called the *system diskette* or it can be on a fixed disk inside your system unit.

#### Note: The control program diskettes in the back of this package are not system diskettes and cannot be used as is.

- 2. You can make a copy of the default control program that is on the two IBM 3270 PC Control Program diskettes in the back of this manual.
- 3. You can also set up and customize your own copy of the control program for your work station. We will not describe how to do this in this book. You should read the manual *IBM 3270 PC Software Reference*, GA23-0232, for more information.

### Did Someone Give You a Copy of the 3270 PC Control Program?

Decide which of these two choices applies to you:

- 1. If your supervisor or the person who you call for help with using your computer has:
  - Given you a system diskette to use, or
  - Told you that you have the a copy of the control program on your fixed disk,

Go to "Step 6. Loading Your Control Program for the First Time" on page 1-47.

Or:

- 2. If you were:
  - Not given a system diskette, or
  - Not told that you have a copy of the control program on your fixed disk,

You can make a copy of the default control program. Continue with the next section, "Getting the Default Control Program."

## Getting the Default Control Program

We, at IBM, have included a default control program on the 3270 PC Control Program diskettes that came with this manual. It is already set up to allow you do a basic set of tasks. It will let you start using your work station without any additional help. If you don't have any other copy of the control program to use, you can use a copy of this one. The rest of these steps will tell you how to make a copy of the default control program.

### Do You Have a Fixed Disk Drive?

Before you go on, you must decide whether your system unit has a fixed disk drive. It is easy to see if you have a diskette drive in your system unit. There is a slot on the front to insert diskettes that look like this:



You cannot see a fixed disk drive; it is inside your system unit. It records on a fixed disk that cannot be removed. It does not use diskettes. Since it doesn't use diskettes, there is no slot in which to insert them. Before you can do anything else, you must find out if you have a fixed disk drive. To find out, go to the chapter in your *Guide to Operations* that has "operating" instructions in it and look up the section on the fixed disk.

### What You Need to Begin

Before you can make a copy of the default 3270 PC Control Program, you must get together in one place:

- The 3270 PC Control Program diskettes from the back of this book
- The DOS diskette from the back of the DOS book

If you have a fixed disk, get the DOS Supplemental Programs diskette also.

• A new, blank diskette or a used diskette that can be erased

If you have a fixed disk, you do not need the blank diskette.

When you have everything you need, go to "Step 2. Loading DOS into Memory" on page 1-7.

## Step 2. Loading DOS into Memory

## **Before You Begin**

If you do not know how to operate your 3270 PC, look up the operating information in the front of the 3270 PC Guide to Operations binder, and read about:

- Turning the system unit and the display on and off
- Inserting and removing diskettes
- Handling diskettes
- Using a fixed disk if you have one.

### CAUTION

Don't turn anything on and don't insert any diskettes before you come back here and continue with these instructions.

If you have already turned any of the units on, turn them off.

## Loading the Disk Operating System (DOS)

1. If your system unit is turned on, turn it off.

The system unit has the diskette drive in it. The On/Off switch is located on the right side of the unit.

2. Open the levers on the diskette drives.

- 3. Remove any diskettes.
- 4. Insert the DOS diskette into drive A. Make sure that you do not use the DOS Supplemental Programs diskette here.
  - Note: If you have a second diskette drive, it is called B. If you have a fixed disk, it is called C even if you do not have two diskette drives. If you have an expansion unit with a second fixed disk, the second fixed disk is called D.
- 5. Close the lever on drive A.
- 6. If you have a color display, turn it on.

Your display has a TV-like screen. The color display has an On/Off near the bottom, right corner.

- 7. If you have a monochrome or color display, turn the brightness control clockwise as far as it will go.
- 8. If you have an expansion unit, turn it on.

The expansion unit looks like the system unit, but it doesn't have any diskette drives in it.

The On/Off switch is located on the right side of the expansion unit.

9. Turn the system unit back on.

10. Watch for the POST to run.

Three things will happen:

a. The memory in your system unit is tested. As it is tested, the amount of memory that was checked and is working appears in the upper left corner of your screen.

ххх КВ ОК

Note: This number, changes until all of the available storage in your system has been checked. When the number stops changing, the last number that appears should be the total amount of memory in your system unit, including the amount on optional memory cards that may be installed.

> If this number is less than 384, you cannot use the default control program. Do not continue. Call your supervisor or the person assigned to help you with your computer for assistance.

b. You will hear one short "beep".

You may also hear the diskette drive hum and see the "in use" lights flicker on and off. c. The Disk Operating System will be loaded into memory and your screen will look like this:

```
Current date is Tue 1-01-1980
Enter new date: _____
```

Notice the short, blinking line that looks like an underscore (\_). It is called a cursor. The cursor must be on the screen.

If you missed the POST the first time, turn off your system unit and turn it on again.

11. Make sure the POST ran correctly.

Did you see and hear:



If you did not, go to Chapter 5 in Book 1 and follow the instructions to find and report the problem.

If the POST ran correctly, your screen now looks like this:

Current date is Tue 1-01-1980 Enter new date: \_

12. Type today's date.

For example, February 11, 1985, would look like this:

Current date is Tue 1-01-1980 Enter new date: 2-11-1985

If you make a mistake in typing the date, use the Backspace key to erase the mistake, and then retype the correct date.

13. Press the Enter key, and this message will appear:

Current date is Tue 1-01-1980 Enter new date: 2-11-1985 Current time is 00:00:00.0 Enter new time: \_ 14. Type the current time.

For example, 1:34 p.m., would look like this:

Current time is 00:00:00.0 Enter new time: 13:34\_

For AM, use the correct time. For PM, add 12 to the hours of the correct time. For example:

1:34am	would	be	1:34
11:02am	would	be	11:02
1:34pm	would	be	13:34
11:02pm	would	be	23:02

You don't need to include the seconds and tenths of seconds.

- 15. Press the Enter key.
- 16. Wait for this message to appear followed by the DOS prompt:



The  $A \ge 1$  is the DOS prompt. DOS is now in your work station's memory.

## What to Do Next

You must now prepare your fixed disk or a system diskette before you can copy the default control program onto it.

- If you have a fixed disk in your system unit, go to "Step 3. Preparing Your Fixed Disk" on page 1-15.
  - Note: If you are not sure whether you have a fixed disk drive in your system unit, go back to Step 1, and reread the section "Do You Have a Fixed Disk Drive?" on page 1-5. Then, come back here and continue.
- If you have two diskette drives in your system unit, skip the next section, and go to "Step 4. Preparing Your System Diskette Using Two Diskette Drives" on page 1-29.
- If you have one diskette drive and no fixed disk in your system unit, skip the next two sections, and go to "Step 5. Preparing Your System Diskette Using One Diskette Drive" on page 1-37.

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# Step 3. Preparing Your Fixed Disk

If you have a new 3270 PC that has just been set up, you must format its fixed disk before you can record on it.

If you did not set up your system, the fixed disk may have been formatted by the person who set it up. Ask your supervisor or the person you call for help with using your work station to be sure.

If your fixed disk has already been formatted, skip the next section and continue with the section, "Copying the Default Control Program onto Your Fixed Disk" on page 1-24.

If you must format your fixed disk, continue with the next section,

### What to Do If Something Doesn't Work Correctly

As you work through this step, you may find some problems with the system. You may:

- Type something incorrectly
- Accidentally press the wrong key
- See a message that you didn't expect
- Not be able to fix a problem

If any of these things happen, you can undo the problem.

- 1. Press and hold the Ctrl key and then press the C key.
- 2. You should see the DOS prompt reappear.
- 3. Start this step over from the beginning.

### **Formatting Your Fixed Disk**

To format your fixed disk:

1. Type:

fdisk

2. Make sure that you type this command correctly.

A>fdisk

3. Press the Enter key, and this panel will appear on your screen:

IBM Personal Computer Fixed Disk Setup Program Version x.xx (C)Copyright IBM Corp. 19xx

**FDISK Options** 

Current Fixed Disk Drive: 1

Choose one of the following:

- 1. Create DOS Partition
- 2. Change Active DOS Partition
- 3. Delete DOS Partition
- 4. Display Partition Data
- 5. Select Next Fixed Disk Drive

Enter choice:[1]

Press Esc to return to DOS

If this panel does not appear, and you see this message instead:

No fixed disks present. A>

You do not have a fixed disk drive in your system unit. Go back to Step 1, and reread the section "Do You Have a Fixed Disk Drive?" on page 1-5. Then, continue from there.

If you have only one fixed disk, the current fixed disk drive and choice 5 will not appear on your screen. If you have a second fixed disk and want to use it, you can type 5 to format it instead. You will see this panel again but the number of the current fixed disk will be 2.

Current Fixed Disk Drive: 2

4. Continue with the next section.

## Are You Going to Use Other Operating Systems in Addition to DOS?

Before you go on, you must decide how you will format your fixed disk. The Personal Computer operating system you are going to use controls the way you format your fixed disk. If you ordered the Disk Operating System (DOS), you should have the DOS manual and its diskettes. If you ordered any other operating systems that you may be planning to use in addition to DOS, you should have their manuals and diskettes. They can include:

UCSD-PPC/IX

If you have only DOS, skip the next section, and go to the section "Preparing Your Fixed Disk for DOS."

If you have another operating system in addition to DOS, read the next section, "Preparing Your Fixed Disk for Operating Systems Other Than DOS."

### Preparing Your Fixed Disk for Operating Systems Other Than DOS

If you plan to use other any other operating systems in addition to DOS, then you should refer to section "Partitioning the Fixed Disk" in the Disk Operating System manual and follow those instructions. Make sure that one of the partitions that you create is a DOS partition. After you have partitioned your disk, come back to this book and continue with the section, "Copying DOS onto Your Fixed Disk" on page 1-22.

### **Preparing Your Fixed Disk for DOS**

If you plan to use only the Disk Operating System (DOS), you can continue:

1. Make sure that 1 is the choice shown.

Enter choice: [1]

If it is not, type: 1

## 2. Press the Enter key, and this panel will appear on your screen:

IBM Personal Computer Fixed Disk Setup Program Version 1.00 (C)Copyright IBM Corp. 1983

**Create DOS Partition** 

Current Fixed Disk Drive: 1

Do you wish to use the entire fixed disk for DOS (Y/N).....?[y]

Press Esc to return to FDISK options

### 3. Make sure that Y is the answer shown.

Do you wish to use the entire fixed disk for DOS (Y/N).....?[y]

If it is not, type: Y

4. Press the Enter key, and this message will appear:

Insert DOS diskette in drive A: Press any key when ready...

- 5. Since the DOS diskette is already in drive A, press the Space Bar once, and wait until the date and time messages appear again.
- 6. Enter the date and time again and wait until the DOS prompt appears:

A>

7. Type:

format c:/s/v

8. Make sure that you typed this command exactly with the spaces shown and the colon (:).

A>format c:/s/v

9. Press the Enter key, and wait until this message appears:

Press any key to begin formatting C:

## 10. Press the Space Bar once, and this message will appear:

Formatting...

## 11. Wait about 2 minutes until these messages appear:

Formatting...Format complete System transferred

Volume label (11 characters, ENTER for none)?

12. Make up a name for the volume label on your fixed disk. This name can be from 1 to 11 letters long. For example:

fixeddisk

This label will help you identify your disk when you ask for information about it. Make a note of this name.

13. Type your label after the question mark .

Volume label (11 characters, ENTER for none)? fixeddisk

Do not type a space at the beginning of the name.

14. Press the Enter key, and wait for these messages to appear:

nnnnnnn bytes total disk space nnnnnnn bytes used by the system nnnnnnn bytes available on disk

```
A>
```

The values *nnnnnnn* will appear as decimal numbers.

15. Continue with the next section.

## **Copying DOS onto Your Fixed Disk**

To copy DOS onto your fixed disk:

- 1. Make sure the DOS diskette is still in drive A.
- 2. Type:

copy a:\*.\* c:

3. Make sure that you typed this command exactly with the spaces shown and the colon (:) at the end.

```
A>copy a:*.* c:
```

4. Press the Enter key.

5. Wait until the DOS files are copied onto your fixed disk, and the DOS prompt appears on your screen.

nn File(s) copied

The value *nn* should be any number but 0. If it is 0, make sure that you typed the COPY command correctly, and try it again. If you still have trouble, read Appendix A in the *Disk Operating System User's Guide*. It is the small booklet that came with your DOS manual.

- 6. Remove the DOS diskette from drive A, and put it away.
- 7. Insert the DOS Supplemental Programs diskette into drive A.
- 8. Close the lever on drive A.
- 9. Type:

copy a:\*.\* c:

10. Make sure that you typed this command exactly with the spaces shown and the colon (:) at the end.

A>copy a:\*.\* c:

11. Press the Enter key.

### 12. Wait until the DOS prompt appears

	nn File(s) copied	
A>		

The value *nn* should also not be 0.

13. Remove the DOS Supplemental Programs diskette from drive A, and put it away.

DOS is now on your fixed disk.

You are now ready to copy the default control program onto your fixed disk. Continue with the next section, "Copying the Default Control Program onto Your Fixed Disk."

## Copying the Default Control Program onto Your Fixed Disk

To copy the default control program on to your fixed disk:

- 1. Get the two 3270 PC Control Program diskette (1 of 2) and (2 of 2) from the plastic holder in the back of your binder.
- 2. Insert the first control program diskette (1 of 2) into drive A.
- 3. Close the lever on drive A.

4. Type:

copy indfault.bat c:

5. Make sure that you have typed this command exactly with the spaces shown and the colon (:) at the end.

A>copy indfault.bat c:

6. Press the Enter key and this message will appear on your screen:

```
A>copy indfault.bat c:
1 File(s) copied
A>
```

7. Type:

с:

8. Make sure that you include the colon (:).

A>c:

9. Press the Enter key.

This will change your default drive to C.

A>c: C*>* 

10. Type:

indfault c:

11. Make sure that you typed this command exactly with the spaces shown and the colon (:) at the end.

```
C>indfault c:
```

12. Press the Enter key and, you will see these messages appear on your screen:

Creating the default IBM 3270 PC Control Program; please wait. 1 File(s) copied 1 File(s) copied 1 File(s) copied . . . 1 File(s) copied 1 File(s) copied

The default version of the control program is being copied onto your fixed disk.

13. Wait until you see this message:

Insert Control Program Diskette 2 of 2 into drive A. Strike a key when ready . . .

- 14. Remove the first control program diskette from drive A, and put it away.
- 15. Insert the second control program diskette (2 of 2) into drive A.
- 16. Close the lever on drive A.
- 17. Press the Space Bar, and you will see these messages appear on your screen:

Insert Control Program Diskette 2 of 2 into drive A. Strike a key when ready . . . 1 File(s) copied 1 File(s) copied 1 File(s) copied 1 File(s) copied

18. Wait until you see this message appear on your screen:

The IBM 3270 PC Control Program is ready for use.

C>

19. Remove the second control program diskette from drive A and, and put it away.
A copy of the default control program is now on your fixed disk. The fixed disk is located inside your system unit and cannot be removed.

You can now load the control program from the fixed disk into your work station's memory. When you are ready, go to section "Loading the Control Program from Your Fixed Disk" on page 1-50 in Step 6.

## Step 4. Preparing Your System Diskette Using Two Diskette Drives

You are now ready to prepare your system diskette. Get your blank diskette. You must format it before you can use it.

#### What to Do If Something Doesn't Work Correctly

As you work through this step, you may find some problems with the system. You may:

- Type something incorrectly
- Accidentally press the wrong key
- See a message that you didn't expect
- Not be able to fix a problem

If any of these things happen, you can undo the problem.

- 1. Press and hold the Ctrl key and then press the C key.
- 2. You should see the DOS prompt reappear.
- 3. Start this step over from the beginning.

#### Formatting Your Blank Diskette

- 1. Make sure that the DOS diskette is still in drive A
- 2. Type:

format b:/s/v

3. Make sure that you typed this command exactly with the spaces shown and the colon (:).

A>format b:/s/v

4. Press the Enter key.

Wait for this message to appear on your screen:

Insert new diskette for drive B: and strike any key when ready

- 5. Insert the blank diskette in drive B.
- 6. Push down the lever on drive B.
- 7. Press the Space Bar once, and this message should appear on your screen:

Formatting...

8. Wait until this message appears on your screen:

Formatting...Format Complete System transferred

Volume label (11 characters, ENTER for none)? \_

Your diskette is now formatted and the portions of DOS that you will need have been copied onto it.

9. Make up a name for the volume label on your system diskette. This name can be from 1 to 11 letters long. For example:

systemdisk

This label will help you identify your system diskette when you ask for information about it. Make a note of this name for the diskette label.

10. Type your label after the question mark.

Volume label (11 characters, ENTER for none)? systemdisk

Make sure that you did not type a blank at the beginning of the name.

11. Press the Enter key, and wait for these messages to appear on your screen:

nnnnn bytes total disk space nnnnn bytes used by the system nnnnn bytes available on disk

Format another (Y/N)?

The values shown by *nnnnnn* are replaced by decimal numbers.

12. Type:

Α>

ר Format another (Y/N)? n

13. Wait until you see the DOS prompt.

14. Remove the DOS diskette from drive A, and put it away.

From now on, your blank diskette will be called your system diskette.

You are now ready to copy the default control program onto your system diskette. Continue with the next section, "Copying the Default Control Program onto Your System Diskette."

#### Copying the Default Control Program onto Your System Diskette

To copy the default control program on to your system diskette:

- 1. Get the two 3270 PC Control Program Diskettes (1 of 2) and (2 of 2) from the plastic holder in the back of your binder.
- 2. Insert the first control program diskette (1 of 2) into drive A.
- 3. Close the lever on drive A.

- 4. Make sure that your system diskette is still in drive B.
- 5. Type:

copy indfault.bat b:

6. Make sure that you have typed this command exactly with the spaces shown and the colon (:) at the end.

A>copy indfault.bat b:

7. Press the Enter key and this message will appear on your screen:

```
A>copy indfault.bat b:
1 File(s) copied
A>
```

8. Type:

b:

9. Make sure that you typed the colon (:) after the "b".

A>b:

10. Press the Enter key.

This will change your default drive to B.

A>b: B>

11. Type:

indfault b:

12. Make sure that you typed this command exactly with the spaces shown and the colon (:) at the end.

B>indfault b:

13. Press the Enter key, and you will see these messages appear on your screen:

```
Creating the default IBM 3270 PC Control Program; please wait

1 File(s) copied

1 File(s) copied

1 File(s) copied

.

.

1 File(s) copied

1 File(s) copied
```

The default version of the control program is being copied onto your system diskette.

#### 14. Wait until you see this message:

Insert Control Program Diskette 2 of 2 into drive A. Strike a key when ready . . .

- 15. Remove the first control program diskette from drive A, and put it away.
- 16. Insert the second control program diskette (2 of 2) into drive A.
- 17. Push down the lever on drive A.
- 18. Press the Space Bar, and you will see these messages appear on your screen:

```
Insert Control Program Diskette 2 of 2 into drive A.
Strike a key when ready . . .
1 File(s) copied
1 File(s) copied
1 File(s) copied
1 File(s) copied
```

19. Wait until you see this message appear on the screen:

The IBM 3270 PC Control Program is ready for use.

B>

20. Remove the second control program diskette from drive A, and put it away.

21. Remove your system diskette from drive B.

22. Put a label on the diskette.



Indicate that this is your system diskette and the date on which you set it up. Also include the volume label that you made up.

The default control program is now on your system diskette.



You will use this system diskette to load the control program into your work station's memory. When you are ready, go to the section "Loading the Control Program from a System Diskette" on page 1-49 in Step 6.

## Step 5. Preparing Your System Diskette Using One Diskette Drive

You are now ready to prepare your system diskette. Get your blank diskette. You must format it before you can use it.

#### What to Do If Something Doesn't Work Correctly

As you work through this step, you may find some problems with the system. You may:

- Type something incorrectly
- Accidentally press the wrong key
- See a message that you didn't expect
- Not be able to fix a problem

If any of these things happen, you can undo the problem.

- 1. Press and hold the Ctrl key and then press the C key.
- 2. You should see the DOS prompt reappear.
- 3. Start this step over from the beginning.

#### **Formatting Your Blank Diskette**

To format it:

- 1. Make sure that the DOS diskette is still in drive A.
- 2. Type:

format a:/s/v

3. Make sure that you typed this command exactly with the spaces shown and the colon (:).

A>format a:/s/v

4. Press the Enter key.

Wait for this message to appear on your screen:

Insert new diskette for drive A: and strike any key when ready

- 5. Remove the DOS diskette from drive A.
- 6. Insert the blank diskette in drive A.
- 7. Close the lever on drive A.
- 8. Press the Space Bar once, and this message should appear on your screen:

Formatting...

# 9. Wait until this message appears on your screen:

Formatting...Format Complete System transferred Volume label (11 characters, ENTER for none)?

Your diskette is now formatted and the portions of DOS that you will need have been copied onto it.

10. Make up a name for the volume label on your system diskette. This name can be from 1 to 11 letters long. For example:

systemdisk

This label will help you identify your system diskette when you ask for information about it. Make a note of this name for the diskette label.

11. Type your label after the question mark.

Volume label (11 characters, ENTER for none)? systemdisk

Make sure that you do not type a space before the name.

# 12. Press the Enter key, and wait for these messages to appear on your screen:

nnnnn bytes total disk space nnnnnn bytes used by the system nnnnnn bytes available on disk

Format another (Y/N)?

The values shown by *nnnnnn* are replaced by decimal numbers.

13. Type: n

A>

Format another (Y/N)? n

14. Wait until you see the DOS prompt.

15. Remove your blank diskette from drive A.

15. Remove your blank diskette from drive A. From now on, your blank diskette will be called the system diskette.

You are now ready to copy the default control program onto your system diskette. Continue with the section below, "Copying the Default Control Program Using One Diskette Drive" on page 1-41.

#### Copying the Default Control Program Using One Diskette Drive

To copy the default control program onto your system diskette:

- 1. Get the two 3270 PC Control Program Diskettes (1 of 2) and (2 of 2) from the plastic holder in the back of your binder.
- Insert the first control program diskette (1 of 2) into drive A and close the lever.
- 3. Type:

copy a:indfault.bat b:

4. Make sure you typed this command exactly with the spaces shown and the colons (:).

A>copy a:indfault.bat b:

5. Press the Enter key, and the following message will appear.

Insert diskette for drive B: and strike any key when ready

- 6. Raise the lever on drive A and remove the Control Program Diskette from drive A.
- 7. Insert your system diskette into drive A and close the lever.

Even though you don't have a "B" drive, DOS temporarily renames the "A" drive so that you can copy files to different diskettes.

# 8. Press Enter and the following message will be displayed.

Insert diskette for drive B: and strike any key when ready

1 File(s) copied

- 9. Now, you are ready to begin. Insert your system diskette into Drive A.
- 10. Push down the load lever on drive A.

11. Type:

b::

12. Make sure you typed the colon after the "b".

A>b:

13. Press the Enter key.

This will change your default drive to B.

B>

14. Type:

indfault b:

15. Make sure that you typed this command exactly with the space shown and the colon (:) at the end. B>indfault b:

16. Press the Enter key, and you will see this message appear on your screen:

Creating the default IBM 3270 PC Control Program; please wait.

Insert diskette for drive A: and strike any key when ready

Since you have only one diskette drive and there are many files to be copied, you will be switching diskettes quite often. The messages on the screen will tell you when to switch diskettes.

• When this message is on the screen:

Insert diskette for drive A: and strike any key when ready

Replace the diskette in drive A with the first Control Program Diskette (1 of 2).

• When this message is on the screen:

Insert diskette for drive B: and strike any key when ready

Replace the diskette in drive A with your *system diskette*.

17. Now, follow the messages on the screen. After you've made numerous copies, this message will appear: Insert Control Program Diskette 2 of 2 in Drive A. Strike a key when ready . . .

- 18. Insert the second control program diskette (2 of 2) into drive A and close the lever.
  - Now, whenever this message is on the screen:

Insert diskette for drive A: and strike any key when ready

Replace the diskette in drive A with the second Control Program Diskette (2 of 2).

19. Again, follow the messages on the screen.

After you have switched diskettes a few more times, you will see this message:

The IBM 3270 PC Control Program is ready for use.

The default control program is now on your system diskette.

20. Put the control program diskettes away.

21. Remove the system diskette from drive A, and put a label on it.



Indicate on the label that this is your system diskette and the date on which you set it up. Also include the volume label that you made up.



You will use this system diskette to load the control program into your work station's memory. When you are ready, go to the section "Loading the Control Program from a System Diskette" on page 1-49 in Step 6.

# Step 6. Loading Your Control Program for the First Time

You should now have your own copy of the 3270 PC Control Program that you are going to use every day. Before you can use your control program, you must load it into the memory in your 3270 PC. In this step, we will show you how to load your control program from a system diskette or from a fixed disk.

## Where Is Your Control Program?

# Is Your Control Program on a System Diskette?

Your control program can be on a system diskette that someone gave you or that you set up yourself.

If your control program is on a system diskette:



• Skip the next section, and continue with the section, "Loading the Control Program from a System Diskette" on page 1-49.

# Is Your Control Program on Your Fixed Disk?

Your control program can be on your fixed disk inside the system unit. You or someone else may have put it there.

If your control program is on your fixed disk:

• Skip the next section, and continue with the section, "Loading the Control Program from Your Fixed Disk" on page 1-50

# Loading the Control Program from a System Diskette

- 1. Get your system diskette.
- 2. Turn your system unit off.
- 3. Insert your system diskette into drive A.
- 4. Close the lever on drive A.
- 5. If you have a color display, turn it on.
- 6. If you have an expansion unit, turn it on.
- 7. Turn your system unit on.

That's all there is to it. The next thing you will see is the Power-On Self Test run again.

Skip the next section and continue with the section, "Watching the Power-On Self Test (POST)" on page 1-51.

#### Loading the Control Program from Your Fixed Disk

- 1. Make sure that your diskette drive is empty and the lever is up.
- 2. Turn your system unit off.
- 3. If you have a color display, turn it on.
- 4. If you have an expansion unit, turn it on.
- 5. Turn your system unit on.

That's all there is to it. The next thing you will see is the Power-On Self Test run again.

Continue with the next section, "Watching the Power-On Self Test (POST)" on page 1-51.

enter en enter de

### Watching the Power-On Self Test (POST)

#### What to Expect

As you watch the POST run, the same three things that you saw in Step 2 of this chapter will happen again, but now they are slightly different.

1. The amount of memory in your system is checked and the amount working appears in the upper left corner of your screen.

ххх КВ ОК

This is the same as before.

2. You will hear one short "beep".

1 веер ( ( ( (

This is the same.

You will still hear the diskette drive hum and see the "in use" lights flicker on and off.

3. The 3270 PC Control Program is loaded into memory. When the POST is finished, your screen should look like this:



This screen is different than the one you saw before.

#### **Did the POST Run Correctly?**

Did you see and hear:



Now, answer the following questions:

Did all three reponses (above) occur correctly?

Yes No Did the IBM BASIC panel appear instead of the one shown above? Yes No l Go the chapter in your Guide to Operations that deals with problems and follow the procedures described there. You did not insert a system diskette in drive A, or you do not have a copy of the control program on your fixed disk. Insert a system disk in drive A or place a copy of the control program on your fixed disk and rerun the POST beginning on page 1-51.

Press the Space Bar, and wait about one minute.

# If you are using the default control program, your screen will look like this:

Г <sup>А-РС</sup>	B-HOST
IBM 3270 PC Control Program	
To go to another window, press Jump	
To enlarge a window, press ∎∢→■	
A>_	
-C-NOTEPAD1	-D-NOTEPAD2

The default control program, has:

- 1 personal computer session in a window called A PC
- 1 host computer session in a window called B
   HOST
- 2 notepad sessions in windows called C NOTEPAD1 and D NOTEPAD2.

The default control program lets you:

- Print things on an IBM Personal Computer Graphics Printer, or a comparable printer.
- Copy information within windows or from window to window.
- Transfer files (sending and receiving)

If you are not using the default control program, something else may be on your screen.

#### What to Do Next

You are now ready to use HELPER, the Online Tutorial. If you wish to do that now, go to go to "Starting the Online Tutorial" on page 2-9.

If you do not want to use the tutorial, you can go to Book 3 - Using the Control Program. When you want to use the tutorial, begin with Chapter 2, "Using HELPER - The Online Tutorial" on page 2-1

## Chapter 2. Using HELPER - The Online Tutorial

You are now ready to learn how to use your 3270 PC and its control program.

#### Some Things You Should Know

HELPER will take you from 2 to 4 hours to complete. You may spread this out over several days. You may want to use the Table of Contents at the beginning of each unit to plan your time. We recommend that you work in segments of 20 to 30 minutes. We also recommend that you work through the units in the order in which they appear. You may want to wait until you have mastered the basic functions before you try the advanced functions. You will find it easier to work with HELPER in a quiet area where you will not have to answer the telephone or deal with interruptions.

#### Some Things You Will Need

Before you begin, you will need to get:

• Your system diskette with your control program.

Your system diskette is the one you set up or someone gave you.

If your control program is on your fixed disk, you do not need a system diskette.

• The Online Tutorial diskette from the back of this book.

#### **Before You Begin**

If you do not know how to operate your 3270 PC, look up the operating information in the front of the 3270 PC Guide to Operations binder, and read about:

- Turning the units on and off
- Inserting and removing diskettes
- Handling diskettes
- Using a fixed disk if you have one.

Don't turn anything on before you come back here and continue with these instructions.

Let's begin now. If your system is running, skip the next section, and go to the section, "Starting the Online Tutorial" on page 2-9. If your system is not running, continue with the next section "Getting Started."

## **Getting Started**

1. If your display has an On/Off switch, turn it on.

Your display has a TV-like screen. The color display has an On/Off switch near the bottom, right corner. The monochrome disply has no On/Off switch.

- 2. If your display has a brightness or contrast control, turn it clockwise as far as it will go.
- 3. If you have an expansion unit, turn it on.

The expansion unit looks like the system unit but doesn't have any diskettes drives in it. The On/Off switch is located on the right side of the unit.

4. If you have a system diskette, insert it into drive A, and close the lever.

If you have a fixed disk, you will not have a system diskette.

5. Turn on your system unit.

The system unit has at least one diskette drive in it. The On/Off switch is located on the right side of the unit.

6. Watch the Power-On System Test (POST).

When the POST is done, this panel should appear on your screen:



Now, answer the following questions:

#### Did the POST run correctly?

Yes No I Did the IBM BASIC panel appear instead of the one shown above? Yes No Go to the chapter that deals with prob in your Guide to Operations. You did not insert a system diskette in drive A, or you do not have a copy of the control program on your fixed disk. Insert a system disk in drive A or place a copy of the control program on your fixed disk. Turn off your system unit, and rerun the POST beginning on page 2-2.

Press the Space Bar, and wait about one minute.

One of the following panels will appear on your screen.

#### The Default Control Program Windows

If you are using the default 3270 PC Control Program, your screen will look like this:

[[ <sup>A-PC</sup> ]	
IBM 3270 PC Control Program To go to another window, press Jump	
To enlarge a window, press •	
C-NOTEPAD1	] Γ <sup>D_NOTEPAD2</sup>

- 1. Press the Enlarge key (  $\Box \leftrightarrow \Box$  ).
- 2. Make sure that the DOS prompt is the last thing on the screen.



3. Continue with the section, "Starting the Online Tutorial" on page 2-9.

#### A Host Window

If you are not using the default control program, a host window may appear on your screen:

(Your bost computer's series)		
(rour nost computer's screen)		

You should recognize the information that your host normally puts on your screen.

1. Press the Jump key until a PC window appears that contains the DOS prompt.

A>

2. Continue with section, "Starting the Online Tutorial" on page 2-9.

### A Personal Computer Window

Α>

A personal computer window may appear on your screen.

1. Continue with section, "Starting the Online Tutorial" on page 2-9.
### A Notepad Window

A notepad window may appear on your screen.



1. Press the Jump key until a PC window appears that contains the DOS prompt.

A>

2. Continue with the section, "Starting the Online Tutorial" on page 2-9.

#### Some Other Windows

If you are using a copy of the control program that someone else set up for you, see the person who set it up for an explanation of what will appear on your screen. You should use the Jump key to get to a personal computer window. Then, continue with section, "Starting the Online Tutorial" on page 2-9.

1

# **Starting the Online Tutorial**

1. Make sure that the DOS prompt on the screen is for diskette drive A.

A>

2. If it is not, type:

a:

3. Make sure that you type the colon (:) at the end.

C>a:

4. Press the Enter key.

The prompt will change to the A drive.

C>a: A>

- 5. If you have a diskette in drive A, remove it.
- 6. Insert the HELPER diskette into drive A, and close the lever.

7. Type:

helper

A>helper

8. Press the Enter key.

The Welcome to HELPER panel will blink on your screen. Then, this panel will appear and wait on your screen:

* * * * *	* * * PATH SELECTION * * * * * * * * * * * * * * * * * * *
*	1. I have no experience with either IBM 3270 display * products or IBM Personal Computers. *
* * *	<ol> <li>I have used IBM 3270 display products (like the 3278 or 3279) before.</li> </ol>
*	3. I have used an TBM Personal Computer before. *
*	<ol> <li>I have used both IBM 3270 display products and an IBM</li> <li>Personal Computer before.</li> </ol>
* * *	
* * *	these number keys:
.* *,	* * * * * * * * * * * * * * * * * * *

- 9. On the panel, read the statements numbered 1 through 4.
- 10. On the keyboard, press the key with the number that matches the statement you chose.

The next HELPER panel will appear. Follow the instructions on that panel to continue with the tutorial.

### What to Do Next

When you are done with the HELPER tutorial, you are ready to go to Book 3 - Using the Control Program and begin using your 3270 PC.

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