

Err 7

Err7 is encountered when the track you have soloed before pressing RECORD is not empty, but contains some notes recorded in a timbre different from the timbre active on the keyboard. You must select a different track to record on, or change the timbre on that track with the SMT button.

Err 8

Err8 is encountered when there are no free tracks when you press RECORD. You must either erase a track or change the timbre on one of the tracks to the keyboard timbre.

Err 9

Err9 is encountered during bouncing when the timbre on the originating track is not the same as the timbre on the track you are bouncing to. You will have to change one or the other.

Err 0

Err0 is encountered when you've bounced long sequences onto additional tracks without erasing and indicates that the memory recorder is out of notes. The only solution is to erase a track.

Eventually you will run out of storage space on your Synclavier® II diskettes. Before you can use a new blank diskette, it must be formatted and the timbre banks and sequence spaces of a Synclavier® II diskette must be copied, or duplicated, onto it.

The buttons on the Synclavier® II control panel can be used to format and duplicate diskettes, but first you must load the computer program stored on the optional SPECIAL SYNCLAVIER® II FORMAT-DUPLICATE system diskette.

LOADING FORMAT-DUPLICATE

You load this program in exactly the same way as you load the Synclavier® II operating system. You place the FORMAT-DUPLICATE system diskette in the disk drive and press the LOAD button. (In a dual drive system, place the diskette in the MAIN, or left-hand, drive.)

It will be immediately apparent that the buttons on the control panel are not going to respond in the usual way. The buttons in the two right-hand panels will blink in a continuously moving pattern as long as the FORMAT-DUPLICATE program is in computer memory.

Just press the buttons exactly as described below.

As soon as you have loaded the system, remove the FORMAT-DUPLICATE system diskette from the drive.

FORMATTING

Formatting a diskette prepares it for use. The procedure is a simple one.

1. If the new diskette is a minidiskette, you must remove the WRITE-PROTECT tab (if any) covering the small slot on the bottom edge. On the other hand, if the diskette is a maxidiskette, the tab must remain on the diskette.
2. Place the new blank diskette in the drive (in dual drive systems, place it in the left-hand drive).
3. Press these two buttons simultaneously: button 1 under PARTIAL TIMBRE SELECT and SUSTAIN under VOLUME ENVELOPE.

The START button in the center panel will start flashing.

4. Press START.

The numbers in the digital display window will begin counting while the computer formats your diskette. When it is finished, the word FinE will be displayed. The diskette is now formatted.

Unless the word FinE appears, the diskette has not been formatted and should not be used.

If, for any reason, you decide not to format the diskette, press STOP instead of START. An error message will appear in the window which simply means that you have aborted the formatting program.

DUPLICATING

To provide banks for your timbres and spaces for your sequences, you must duplicate one of the Synclavier® II system or timbre diskettes onto the formatted diskette.

To duplicate, Synclavier® II has to read the information off of one diskette — the "source" diskette — and write it onto the other diskette — the "destination" diskette. The process is somewhat different depending on whether your system has one disk drive or two.

With One Disk Drive

If you have a single disk drive system, you must insert the source diskette into the disk drive, wait for Synclavier® II to read and memorize a block of information, then take out that diskette and insert the destination diskette and wait while Synclavier® II writes the information onto it. The reading and writing may have to be repeated a number of times until the whole diskette has been read and copied.

Follow these steps carefully. The digital display window will tell you what diskette should be in the drive and the TRACKS buttons will blink to tell you which button to push.

1. Press simultaneously button 2 under PARTIAL TIMBRE SELECT and the SUSTAIN button under VOLUME ENVELOPE.

The characters "Sou", for source, should appear in the digital display window and button 1 under TRACKS should start blinking.

2. Insert the source diskette into the disk drive and press button 1 under TRACKS.

Synclavier® II will start to read the source diskette. While it reads, numbers will count in the digital display window.

When it has finished reading as much as it can, the characters "dES", for destination, will appear in the digital display window and button 9 under TRACKS will start blinking.

(If other characters appear, DO NOT CONTINUE. Refer to the special list of error displays at the end of this chapter.)

3. Take the source diskette out of the drive and insert the *formatted* destination diskette and press button 9 under TRACKS.

Synclavier® II will now write onto the diskette. When the writing process is successfully completed, the characters "FinE" or "Sou" will appear in the window. If "Sou" appears, return to Step 2. If "FinE" appears, the entire diskette has been duplicated. Return the old and new diskettes to their protective jackets.

If neither message appears, something has gone wrong and the diskette has not been copied. In this case, go to Step 1 and try again. If an error message appears, refer to the Error Displays at the end of this manual.

With Two Disk Drives

If you have a dual disk drive system duplicating diskettes is simple.

1. Insert the *destination* diskette into the MAIN, or left-hand, disk drive.
2. Insert the *source* diskette into the AUXILIARY, or right-hand, disk drive.

Be sure to put the right diskette in the right drive!

3. Press simultaneously button 2 under PARTIAL TIMBRE SELECT and the SUSTAIN button under VOLUME ENVELOPE.

"Sou" will appear in the window and button 1 will start blinking.

4. Press button 1.

Synclavier® II should start copying the information on the source diskette onto the destination diskette.

When the operation is successfully completed, the characters "FinE" will appear in the digital display window. If there are errors, an error message will appear in the window. In this case, the diskette will not be duplicated.

5. Remove the diskettes from the drives and return them to their protective jackets.

FORMATTING AND DUPLICATION

There is a third program which combines the formatting and duplicating processes.

With One Disk Drive

1. Put your blank diskette in the drive.
2. Press DELAY and SUSTAIN under VOLUME ENVELOPE.
3. Then press START.

The computer will start formatting. When it is done, "Sou" will appear in the window and button 1 under TRACKS will start blinking.

From here on, the process is identical to the duplicating process described above.

With Two Disk Drives

1. Put your blank diskette in the left-hand drive and the source diskette in the right-hand drive.
2. Press DELAY and SUSTAIN under VOLUME ENVELOPE.

When the formatting is complete "Sou" will appear in the digital display window and button 1 under TRACKS will start blinking.


3. Press button 1.

The information on the right-hand diskette will be copied onto the left-hand diskette.

Error Messages

The FORMAT-DUPLICATE program has its own error messages. When it detects a defective diskette or a wrong button, it will use the digital display window to tell you what has gone wrong. The following table indicates the various error messages.

- 1Err The new diskette is write-protected. Examine the diskette and remove the plastic tab if a minidiskette. Or put on tab if a maxidiskette.
- 2Err There may be a problem with the disk drive.
- 3Err The source or destination diskette may be defective.
- 4Err unused
- 5Err unused
- 6Err unused
- 7Err unused
- 8Err You have aborted the operation by pressing the STOP button.
- 9Err There is no diskette in the system disk drive.

In the section on "Designing New Waveforms," you learned to use the DIGITAL  TONE GENERATORS to adjust harmonic coefficients. To create specific complex waveforms, refer to the table below for precise settings for all the harmonics.

Harmonic #	Sawtooth	Triangle	Square	Pulse*
1	100.0	100.0	100.0	100.0
2	50.0	—	—	100.0
3	33.3	11.1	33.3	100.0
4	25.0	—	—	100.0
5	20.0	4.0	20.0	100.0
6	16.7	—	—	100.0
7	14.3	2.0	14.3	100.0
8	12.5	—	—	100.0
9	11.1	1.2	11.1	100.0
10	10.0	—	—	100.0
11	9.1	.8	9.1	100.0
12	8.3	—	—	100.0
13	7.7	.6	7.7	100.0
14	7.1	—	—	100.0
15	6.7	.4	6.7	100.0
16	6.3	—	—	100.0
17	5.9	.3	5.9	100.0
18	5.6	—	—	100.0
19	5.3	.3	5.3	100.0
20	5.0	—	—	100.0
21	4.8	.2	4.8	100.0
22	4.6	—	—	100.0
23	4.4	.2	4.4	100.0
24	4.2	—	—	100.0

*As was mentioned earlier, a more effective and easier to create PULSE is: Harmonic #1 at 0.1.