## Synclavier<sup>3</sup> Monophonic Sampling - SYN-5.3M

Synclavier<sup>3</sup> Build 57 dated July 21, 2018 includes a restoration of the New England Digital "Monophonic Sampling" option of 1983. Additionally, the Signal File Manager (SFM) a.k.a. Sound File Manager is - in theory - fully operational.

Sound File Manager

In most cases you should ENTER W0:USER before using SFM.

• • •	Synclavier <sup>3</sup> Terminal
Ready > ENTER W0:USER Ready > SFM	
	Synclavier <sup>3</sup> Terminal
>	SYSTEM READY 2017/10/01
Enter any SFM command (Type Use <pf2> for SYNCLAVIER, or New England Digital</pf2>	MENU for help). <break> to return to Monitor.</break>
Signal	File Manager
Supports Velocity Keyboard V	rsion

	Syn	clavier <sup>3</sup> Terminal							
> menu >	0К	Use <pf2> for Synclavier, or <break> to return to Monitor</break></pf2>							
List of valid commands									
EXIT CATALOG CREATE ENVELOPE OLD DUPLICATE SAVE UNSAVE SPECTRAL-DISPLAY SYMBOL-CATALOG LABEL UNLABEL DISPLAY CENTER PLAY MENU	LINE-MODE LEFT ENTER MARK EXTRACT SET PRINT CONVOLVE CORRELATE ZERO ADD CAPTION SEARCH PATCH TEST RESAMPLE	RENAME EDIT MODULATE RECOVER AUTOCORRELATE IMPULSE-RESPONSE CEPSTRUM OVERLAY SONOGRAPHIC-DISPLAY REVERSE DIRECTORY SYNTHESIZE LOOP							

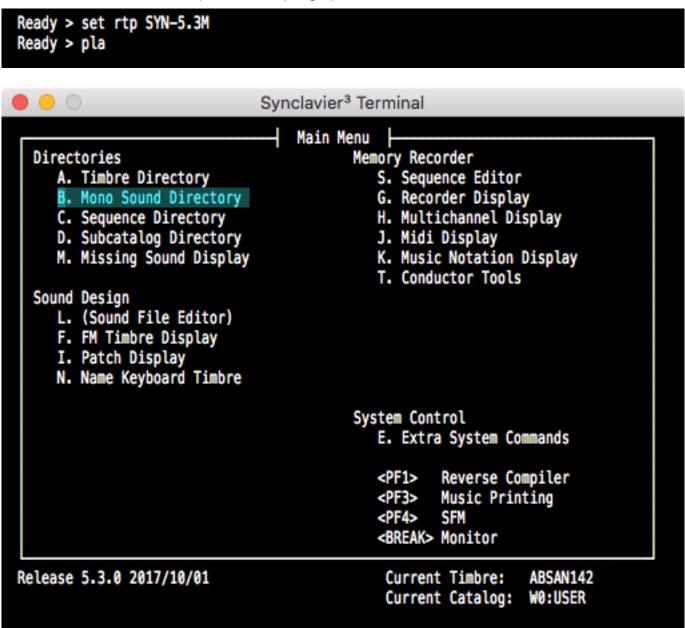
The basic commands are OLD (to call up a sound file), PLAY (play a sound file), and CREATE (to record or synthesize a sound file).

An ambitious and serious user may peruse the <u>SFMCAT source code on GitHub</u> and develop greater documentation about the available commands. The file 27-INPUT is the main command line interpreter.

The keyboard-triggered playback of sound files may or may not be operational in SFM. Instead, use the SYN-5.3M Real Time Software described below.

## SYN-5.3M Real Time Software

SYN-5.3M recreates the Monophonic Sampling option.



The "Sound File Directory" is named "Mono Sound Directory" in the Monophonic Sampling Build.

Sound files can be selected from the B Page Sound File Directory.

		5	Synclavier	<sup>3</sup> Terminal			
SOUND FILE				Y Clear		Update	M
DEVICES: 1	Optical D W0:USER	isk SOR		iles Only		aption	ECONDE
3		W1:		ats/Files ats Only		ength in S. ength in M.	
	<b>W</b> . <del>4</del>			tion		ength in S	
						.oops I P	
					L	ong Filena	mes
Contents of	Volume NF	D-TL3					N P R T ?
:ABS41	To come the						
ABSC#241	ABSCN141	ABSD#341	ABSFN241	ABSG#141	ABSGN341		
:ABS42							
ABSAN142	ABSAN242	ABSBN142	ABSDN242	ABSDN342	ABSDN442	ABSEN142	ABSEN242
ABSF#142	ABSGN242	ABSGN342	ABSGN442				
:ABS43							
ABSAN243	ABSAN343	ABSBN143	ABSEN143	ABSEN243	ABSEN343	ABSF#143	ABSGN343
:BCL01	00114004						
BCLA#101	BCLA#301	BCLAN101	BCLAN201	BCLAN301	BCLC#301	BCLCN201	BCLCN301
BCLCN401 BCLFN301	BCLD#101	BCLD#201	BCLD#301 BCLGN301	BCLDN101	BCLDN201	BCLFN101	BCLFN201
:BCL02	BCLGN101	BCLGN201	DCLON301				$\overline{\mathbf{v}}$
				Curre	ent Catalog	: W0:USER	

Additionally, Patches can be constructed from the I Page Sound File "Patch" display.

Synclavier <sup>3</sup>	Terminal
SOUND FILE "PATC 1. Use this screen to create Patch List 2. Select Partial Timbre from button pa 3. Press <ctrl-c> to view directory o <ctrl-e> to enter a differen <ctrl-n> to view long file n <return> to view Keyboard Di <enter> when done with this</enter></return></ctrl-n></ctrl-e></ctrl-c>	s. Press ? for more instructions. nel or by pressing space bar. f Sound Files in Current Catalog. t Subcatalog. ames. splay.
Keyboard Timbre: 1-1-1: "ABSC#241" Current Catalog: W0:USER	
Partial # 1: Buffer Size: 100 Secto File Start End Volume Transpose 1. ABSC#241 C2 B2 100.0 (A3) 2. ABSAN242 C3 B2 100.0 (A3)	

Of course only 1 sound can be triggered at a time. A new note (or delayed Partial) will interrupt the sounding note and segue to the new note over a 10 millisecond interval.

Interestingly, sound files stored on your Mac, including MP3 files, can be called up to the Monophonic Sampling Real Time Software and played back through the D66 ADX-16 converter.

Root Folders Sound Files				Ti	mbre Files	s Sec	quence Workspaces				
Limit search re	esults to se	lecte	d Root Fo	lder	s						4,147
🗹 File Name	Contains	\$	Phrase	٢	x			O Sor	rt by So	und File	Name
🗹 Folder Name	Matches	\$	Phrase	٥	x			O Sor	rt by So	und File	Handle
Caption	Contains	\$	Phrase	٢	x			Gro	oup resu	ults by E	nclosing Folder
Categories	Contains	\$	Phrase	\$	x			Auc	dition S	ound File	e On Select
nd File Name	Sound F	ile Har	ndle	E	Enclosing Fold	ler	Secs	M/S	Khz	Caption	
A#240.caf	ABSA#2	240		1	NED-TL12-CA	F	6.55	М	50.0	Pizzicato	Acoustic Bass - Iou
A#241.caf	ABSA#2	241		1	NED-TL12-CA	١F	5.45	м	50.0	Pizzicato	Acoustic Bass - sof
AN142.aiff	ABSAN	142		1	NED-TL3		5.82	м	50.0	Acoustic	Bass - bowed
AN142.caf	ABSAN	142		1	NED-TL12-CA	١F	5.82	м	50.0	Acoustic	Bass - bowed
AN242.aiff	ABSAN	242		1	NED-TL3		3.80	м	50.0	Acoustic	Bass - bowed
AN242.caf	ABSAN	242		1	NED-TL12-CA	١F	3.80	М	50.0	Acoustic	Bass - bowed
	Limit search re File Name Folder Name Caption Categories d File Name A#240.caf A#241.caf AN142.aiff AN142.caf AN142.caf	Limit search results to se File Name Contains Folder Name Matches Caption Contains Categories Contains A#240.caf ABSA#2 A#241.caf ABSA#2 AN142.aiff ABSAN2 AN142.caf ABSAN2 AN142.caf ABSAN2 AN242.aiff ABSAN2	Limit search results to selected         ✓ File Name       Contains         ✓ Folder Name       Matches         ✓ Caption       Contains         ✓ Categories       Sound File Har         A#240.caf       ABSA#240         A#241.caf       ABSAN142         AN142.caf       ABSAN142         AN242.aiff       ABSAN242	Limit search results to selected Root Fo         ✓ File Name       Contains       Phrase         ✓ Folder Name       Matches       Phrase         ✓ Caption       Contains       Phrase         ✓ Categories       Contains       Phrase         ✓ Categories       Contains       Phrase         ✓ Categories       Contains       Phrase         ✓ Categories       Contains       Phrase         A#240.caf       ABSA#240         A#241.caf       ABSA#241         AN142.aiff       ABSAN142         AN142.caf       ABSAN142         AN242.aiff       ABSAN242	Limit search results to selected Root Folder         ✓ File Name       Contains       Phrase         ✓ Folder Name       Matches       Phrase         ✓ Caption       Contains       Phrase         ✓ Categories       Contains       Phrase         ✓ Categories       Contains       Phrase         A#240.caf       ABSA#240       Matches         A#241.caf       ABSA#241       Matches         AN142.aiff       ABSAN142       Matches         AN142.caf       ABSAN142       Matches	Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X         ✓ Caption       Contains       Phrase       X         ✓ Categories       Contains       Phrase       X         Matches       Sound File Handle       Enclosing Fold         A#240.caf       ABSA#240       NED-TL12-CA         AM142.aiff       ABSAN142       NED-TL3         AN142.caf       ABSAN142       NED-TL12-CA         AN242.aiff       ABSAN242       NED-TL3	Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X         ✓ Caption       Contains       Phrase       X         ✓ Categories       Contains       Phrase       X         Md File Name       Sound File Handle       Enclosing Folder         A#240.caf       ABSA#240       NED-TL12-CAF         AN142.aiff       ABSAN142       NED-TL12-CAF         AN142.caf       ABSAN142       NED-TL3         AN242.aiff       ABSAN242       NED-TL3 <td>Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X         ✓ Caption       Contains       Phrase       X         ✓ Categories       Contains       Phrase       X         M241.caf       ABSAN142       NED-TL12-CAF       5.82         AN142.aiff       ABSAN142       NED-TL3       3.80         AN242.aiff       ABSAN242       NED-TL3</td> <td>Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X       Sor         ✓ Caption       Contains       Phrase       X       Gro         ✓ Categories       Contains       Phrase       X       Auc         ✓ Categories       Contains       Phrase       X       Auc         Add File Name       Sound File Handle       Enclosing Folder       Secs       M/S         A#240.caf       ABSA#240       NED-TL12-CAF       6.55       M         A#241.caf       ABSA#241       NED-TL12-CAF       5.45       M         AN142.aiff       ABSAN142       NED-TL3       5.82       M         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M         AN142.caf       ABSAN142       NED-TL13       3.80       M</td> <td>Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X       Sort by So         ✓ Caption       Contains       Phrase       X       Sort by So         ✓ Categories       Contains       Phrase       X       Audition S         ✓ Categories       Contains       Phrase       X       Audition S         Affect ABSA#240       NED-TL12-CAF       6.55       M       50.0         A#241.caf       ABSA#241       NED-TL12-CAF       5.45       M       50.0         AN142.aiff       ABSAN142       NED-TL12-CAF       5.82       M       50.0         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0         AN142.caf       ABSAN142       NED-TL13       5.82       M       50.0         AN242.aiff       ABSAN242       NED-TL3       3.80       M       50.0</td> <td>Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X       Sort by Sound File         ✓ Caption       Contains       Phrase       X       Group results by E         ✓ Categories       Contains       Phrase       X       Audition Sound File         ✓ Categories       Contains       Phrase       X       Audition Sound File         Matches       O Phrase       X       Audition Sound File         ✓ Categories       Contains       Phrase       X       Audition Sound File         Ad File Name       Sound File Handle       Enclosing Folder       Secs       M/S       Khz       Caption         A#240.caf       ABSA#240       NED-TL12-CAF       6.55       M       50.0       Pizzicato         A#241.caf       ABSA#241       NED-TL12-CAF       5.45       M       50.0       Pizzicato         AN142.aiff       ABSAN142       NED-TL12-CAF       5.82       M       50.0       Acoustic         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0       Acoustic         AN242.aiff       ABSAN242       NED-TL3       3.80</td>	Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X         ✓ Caption       Contains       Phrase       X         ✓ Categories       Contains       Phrase       X         M241.caf       ABSAN142       NED-TL12-CAF       5.82         AN142.aiff       ABSAN142       NED-TL3       3.80         AN242.aiff       ABSAN242       NED-TL3	Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X       Sor         ✓ Caption       Contains       Phrase       X       Gro         ✓ Categories       Contains       Phrase       X       Auc         ✓ Categories       Contains       Phrase       X       Auc         Add File Name       Sound File Handle       Enclosing Folder       Secs       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AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0         AN142.caf       ABSAN142       NED-TL13       5.82       M       50.0         AN242.aiff       ABSAN242       NED-TL3       3.80       M       50.0	Limit search results to selected Root Folders         ✓ File Name       Contains       Phrase       X         ✓ Folder Name       Matches       Phrase       X       Sort by Sound File         ✓ Caption       Contains       Phrase       X       Group results by E         ✓ Categories       Contains       Phrase       X       Audition Sound File         ✓ Categories       Contains       Phrase       X       Audition Sound File         Matches       O Phrase       X       Audition Sound File         ✓ Categories       Contains       Phrase       X       Audition Sound File         Ad File Name       Sound File Handle       Enclosing Folder       Secs       M/S       Khz       Caption         A#240.caf       ABSA#240       NED-TL12-CAF       6.55       M       50.0       Pizzicato         A#241.caf       ABSA#241       NED-TL12-CAF       5.45       M       50.0       Pizzicato         AN142.aiff       ABSAN142       NED-TL12-CAF       5.82       M       50.0       Acoustic         AN142.caf       ABSAN142       NED-TL12-CAF       5.82       M       50.0       Acoustic         AN242.aiff       ABSAN242       NED-TL3       3.80