

Digital Sampler Compatibility Guide

Current Operating Systems

S-760	2.24
S-770 / 750	2.25
SP-700	1.12 EPROM
MS-1	1.12
JS-30	1.03 EPROM
DJ-70	1.05 EPROM
DJ-70MkII	1.02 EPROM
SP-202	1.03 CPU
SP-808	1.050
SP-808EX	1.001

Most of the drives in this guide come in rackmount versions as well as desktop units. The last page of this guide has the contact information for the companies that can package various drives in rack configurations.

CD-ROM Drives

The S-760's System Versions 2.19 - 2.24 have 7 CD audio drivers that will support most CD-ROMs with the CD-Player function. See the Supplemental Note for information on how to set drivers. If a drive is not on this list, it does not mean it is not compatible. This is a list of *tested* CD-ROM drives.

<u>Sony</u>	<u>NEC</u>	<u>Chinon</u>	<u>Plextor</u>
1x Speed	1x Speed	1x Speed	1x Speed
CDU-541	CDR-84	CDX-435	M-5024D
CDU-6111	CDR-74	CDX-431	2x Speed
Roland CD-5	CDR-38	2x Speed	DM-3028
2x Speed	CDR-37	CDX-525	DM-5024
CDU-55S (Caddieless)	CDR-36	CDX-535	4x Speed
Apple CD-300E	CDR-35	<u>Toshiba</u>	PX-43CS
CDU-561	CDR-25	1x Speed	6x Speed
Apple CD-300	2x Speed	XM-3301	PX-65CXS
4x Speed	CDR-211	2x Speed	8x Times
CDU-76S	CDR-210	XM-4402A	PX-85CS
CSD-7611M	3x Speed	XM-3401	12x Speed
Apple 600E +	CDR-510	3x Speed	PX-12CSE
<u>Panasonic</u>	4x Speed	TMX-5201B	<u>Pioneer</u>
LK-RC503 (CR 503)	CDR-511	4x Speed	24x Speed
<u>MediaVision</u>	8x Speed	XM-3501	DR-U24X
2x Speed	CDR-410	12x Speed	(S-760 only)
Reno Drive	<u>Phillips</u>	XM-5701TA	6 Disc Multi CD-ROM
	8x Speed	32x Speed	Changers
	PCA80SC	XM-620	
			Double Speed
			DRM-602X
			Quad Speed
			DRM-604X

Roland Digital Samplers are not currently compatible with CD-ROM writers or WORM Drives

Hard Drives

Most SCSI hard drives that are fully compatible with Macintosh computers will work with the 700 Series digital samplers. Our samplers format up to 600MB per drive. Rackmount drives are available from companies listed in Contact Sources on page 4.

Suggested types of Fixed SCSI Hard Drives:

Quantum Seagate Toshiba JVC Maxtor Conner Fujitsu

Removable Media Drives

SyQuest Mechanisms

44MB 88MB 105MB 135MB 200MB 270MB

IoMega Mechanisms

Bernoulli 150MB

Zip 100MB & 250MB*

Jaz 1GB

The Iomega Zip and Jaz drives should have system 2.24 for the S-760 and 2.25 for the S-770/750 samplers. The SP-700 will need the 1.12 EEPROM update to support the newer ZIP drives. * **The JS-30 needs ROM version 1.03 to work with Zip 100 drives. The DJ-70MkII needs Operating System 1.02 to work with Iomega Jaz drives.** The SP-808 can use both Zip 100 & 250 drives, but can only use the 100Mb disks. We have also been able to use the Zip 250 with the S-550 and W-30 samplers which can format up to 80MB of each cartridge.

Other Mechanisms

Nomai

540MB MCD

Does not format discs, only initializes preformatted discs

Optical Drives

**Use 512k Sector discs for all Optical Media*

128MB Mechanisms*

Ricoh

RS-3100E

Chinon Relax Sierra

RS-5031E

Sony

RMO-S350

RMO-S360

301F

230MB Mechanisms*

Fujitsu

M2512

Olympus

MOS321

256MB Mechanisms*

Most

Ocean Micro

230MB/640MB Mechanisms*

must use 540MB or 230MB disks

Fujitsu

APS

Optical Drives (Continued)

600MB Mechanisms*

Sony RM-S-550

FWB/Hammerdisk
MassMicro/Datapak
ThirdWave/Optidisk
PLI/Optical 5.25
Sharp JY-750
Maxoptix Tahiti-2

Ricoh RS-9200

Panasonic

Gemini PCD
4xCD-ROM and MOdrive
Phase Change / CD Subsystem

1.3 GB Mechanisms*

Sony SMO-F521

Pinnacle Micro Sierra 1.3
Maxoptix Tahiti 3

Roland Samplers can format
up to 600MB per side of each
1.3GB optical disc.

SCSI DAT Drives

Wang DATA DAT 1300
Archive Python Data DAT 4360XT

APS DAT*
Dynatek*

Hewlett Packard
Teac Data Cassette MT-2St/F50

* Does not work with S-770 / S-750 Samplers. The S-770/750 must use Hacker Mode to use Data DATs.

Memory

We recommend using the highest quality SIMM's possible. See the phone numbers under contact sources for companies recommended by Roland U.S. for compatible SIMMs.

S-770, DJ-70 & JS-30

30pin 1x8Mbyte,
100ns or faster

S-750 & SP-700

30pin 4x8Mbyte,
100ns or faster

S-760

8Mbyte- 72pin type 2-megaword x 32 bit D-RAM modules. 16 4-megabit D-RAMS built-in. Access time-80 nsec
16Mbyte- 72pin type 4-megaword x 32 bit D-RAM modules. 16 4-megabit D-RAMS built-in. Access time-80 nsec

MS-1 Memory Cards

The MS-1 Digital Sampler uses the Sandisk type of ATA Type II Flash RAM PCMCIA Cards. These PC cards can be ordered through distributors at the end of this guide.

SP-202 SmartMedia Cards

The SP-202 is compatible with 2 and 4 Meg, 5 volt SmartMedia cards. These SmartMedia cards can be ordered through distributors at the end of this guide or from Roland directly (model # SM-4).

RGB Monitors

These Monitors require special adapter cables. See the Contact Sources list for suppliers.

Atari SC-1224
Atari SC-1435
Mitsubitshi Diamondscan
Taxan 610/420

NEC 3D
Magnavox 8762
Commodore 1080 & 1084
Sony KV1311

Sony PVM
Zenith ZVM133
Darius TSM-1431

S-Video

The Roland S-760 can be used with TV monitors, A/V Computers and Computer Video capture boards (Mac & IBM compatible) to display its output. The S-760 can supply either S-Video or Color Composite signals. See the Contact Sources list for companies that sell these monitors and boards. The S-770/750 Digital Samplers output their composite signals in black & white only.

CD-ROM Writers and Software

The 700 Series Digital Samplers can not directly address CD-ROM writers, however you can copy a 700 Series Hard drive to a CD-ROM writer by using a computer with CD-ROM premastering software. The list below contains programs that we know to work by making a bit by bit or SCSI device copy of a hard drive to a CD-ROM. The CD-ROM writer compatibility will depend if these drives are supported by the software listed below.

Toast (Adaptec)

Contact Sources

Rackmount SCSI Drives:

SoundLogic	(760) 789-6558
Glyph Technologies	(800) 335-0345
Rorke Data	(800) 328-8147

Desktop SCSI Drives:

APS	(800) 925-4922
MacWarehouse	(800) 645-9173

Memory

Prima International **	(800) 266-0488
SoundLogic *	(760) 789-6558
Bell Micro**	(408) 451-1680
Essex**	(408) 229-8035
Think Computer Products †	(800) 726-2477
Epoch †	(800) 736-3762

* (SIMMs & PCMCIA)

† (SIMMs Only)

** (PCMCIA Only)

Monitors (RGB)

Direction Sound & Vision	(310) 276-2063
SoundLogic	(760) 789-6558

Monitors (S-Video)

AVVID	(800) 924-2932
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Computer Video Capture

Cards (S-Video and Composite)

MacWarehouse (Mac)	(800) 645-9173
Tiger Software (IBM)	(800) 888-4437

Monitor Cables

Redmond Cable

Phone

(425) 882-2009	WA
(423) 478-5760	TN

Video, Mouse & SCSI Switchers

Redmond Cable	(425) 882-2009 WA
	(615) 478-5760 TN

CD-ROM Writer Programs

Adaptec	(408) 934-7283
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3rd Party

CD-ROM Distributors

Spectrasonics	(800) 764-9379
Q Up Arts	(800) 454-4563
East-West Soundwarehouse	(800) 833-8339
Ilio Entertainment	(800) 747-4546
NorthStar	(503) 760-7777
SampleHeads	(800) 807-6056