Roland®

Digital Sampler Compatibility Guide

Current Operating Systems

S-760	2.24
S-770 / 750	2.25
SP-700	1.12 EEPROM
MS-1	1.12
JS-30	1.03 EEPROM
DJ-70	ES.06
DJ-70MkII	1.03 EEPROM

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.

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

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 3.

Suggested types of Fixed Hard Drives:

Quantum	Seagate	Toshiba	JVC	Maxtor	Conner	Fujitsu

Removable Media Drives

SyQuest Mechanisms

44MB	88MB	105MB	135MB	200MB	230MB	270MB

IoMega Mechanisms

Bernoulli 150MB*	ZIP 100 Mbytes	Jaz 1 Gigabyte

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.**

Other Mechanisms

Nomai
540MB MCD

Does not format discs, only initializes preformatted cartridges

Optical Drives

* Use 512k Sector discs for all Optical Media.

128MB Mechanisms*

<u>Ricoh</u>
RS-3100E
Chinon Relax Sierra
RS-5031E

<u>Sony</u>
RMO-S350
RMO-S360
301F

230MB Mechanisms*

<u>Fujitsu</u>
512

<u>Olympus</u>
MOS321

256MB Mechanisms*

<u>Most</u>
Ocean Micro

230/540MB Mechanisms*

<u>Fujitsu</u>
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 MO drive
Phase Change / CD
Subsystem

1.3 GB Mechanisms*

Sony
SMO-F521
Pinnacle Micro Sierra 1.3
Maxoptix Tahiti 3

SCSI DAT Drives

Wang DATA DAT 1300	APS DAT*	Hewlett Packard
Archive Python Data DAT 4360XT	Dynatek*	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 & DJ-70MkII

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

16Mbyte- 72pin type 4-megaword x 32 bit D-RAM modules.
16 4-megabit D-RAMS built-in. Access time-within 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. See Memory Distributors.

RGB Monitors

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

Atari SC-1224	NEC 3D	Sony PVM
Atari SC-1435	Magnavox 8762	Zenith ZVM133
Mitsubishi Diamondscan	Commodore 1080 & 1084	Darius TSM-1431
Taxan 610/420	Sony KV1311	

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.

Hybrid Formatter (Sony)　　　　　　　　**QuickTopix 2.0** (Optical Media International)

Gear (Elektroson)　　　　　　　　　　　**Toast** (Astarté)

Contact Sources

Rackmount SCSI Drives:	Phone
Pacific Coast Technologies)	(619) 693-0209
Dynatek	(902) 832-3000
RAMTEK	(313) 513-7440
SoundLogic	(619) 789-6558
Glyph Technologies	(800) 335-0345
Roake Data	(800) 328-8147

Desktop SCSI Drives:	
APS	(800) 354-1213
MacWarehouse	(800) 255-6227
Dynatek	(902) 832-3000
Pacific Coast Technologies	(619) 693-0209

Memory Distributors	
AV Labs*	(818) 293-8822
Advantage Memory *	(800) 266-0488
SoundLogic †	(619) 789-6558
Bell Micro**	(408) 451-1680
Prima International**	(800) 737-7462
Essex**	(408) 229-8035
HCo †	(800) 726-2477

　　* (SIMMs & PCMCIA)
　　† (SIMMs Only)
　　** PCMCIA Only)

Monitors (RGB)	
Direction Sound & Vision	(310) 276-2063
SoundLogic	(619) 789-6558

Monitors (S-Video)	
AVVID	(800) 924-2932

Computer Video Capture
Cards (S-Video and Composite)

MacWarehouse (Mac)	(800) 255-6227
Tiger Software (IBM)	(800) 888-4437

Monitor Cables	Phone
Redmond Cable	(206) 882-2009 WA
	(423) 478-5760 TN

Video, Mouse
& SCSI Switchers

Redmond Cable	(206) 882-2009 WA
	(615) 478-5760 TN

Video & Mouse Switcher
(RGB)

SHP manufacturing	(310) 459-5619

SCSI Patchbays

Electricia Services	(818) 543-0383

CD-ROM Writer Programs	
Gear / Elektroson	(800) 606-6116
Hybrid Formatter / Sony	(800) 654-8802
QuickTopix / OMI	(800) 347-2664
Astarté	(800) 255-4020

3rd Party
CD-ROM Distributors

Spectrasonics	(800) 764-9379
Q Up Arts	(408) 688-9524
East-West Soundwarehouse	(310) 858-8797
Ilio Entertainment	(800) 747-4546
InVision	(800) 468-5530
NorthStar	(503) 760-7777
SampleHeads	(212) 262-3488