

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.

| <u>Sony</u> | <u>NEC</u> | <u>Chinon</u> | <u>Plextor</u> |
|----------------------|-----------------|------------------|-----------------------------|
| 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 | <u>Toshiba</u> | PX-43CS |
| Apple CD-300 | CDR-210 | 12x Speed | 2x Speed |
| 1x Speed | 1x Speed | XM-5701TA | DM-3028 |
| CDU-541 | CDR-84 | 4x Speed | DM-5024 |
| CDU-6111 | CDR-74 | XM-3501 | 1x Speed |
| Roland CD-5 | CDR-38 | 3x Speed | M-5024D |
| | CDR-37 | TMX-5201B | Pioneer (S-760 Only) |
| Panasonic | CDR-36 | 2x Speed | 6 Disc Multi CD-ROM |
| LK-RC503 (CR 503) | CDR-35 | XM-4402A | Changers |
| | CDR-25 | XM-3401 | |
| <u>MediaVision</u> | | 1x Speed | 4x Speed |
| 1x Speed | Phillips | XM-3301 | DRM-604X |
| Reno Drive | 8x Speed | | 2x Speed |
| | PCA80SC | | 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*

Ricoh
RS-3100E
Chinon Relax Sierra
RS-5031E

Sony
RMO-S350
RMO-S360
301F

230MB Mechanisms*

Fujitsu
512

Olympus
MOS321

256MB Mechanisms*

Most
Ocean Micro

230/540MB Mechanisms*

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 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
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 & 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
Atari SC-1435
Mitsubishi 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.

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

| | |
|---------------|-------------------|
| 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 |