

## Current Operating Systems

VS-840	v1.05/1.02	VS-1680	v2.024/2.5
VS-840EX	v2.05	VS-1880	v1.015/1.5
VS-840GX	v2.52	VS-1824	v1.501
VS-880	v3.205	VS-2000	v2.005
VS-880EX	v2.014	VS-2400	v1.504
VSR-880	v1.032	VS-2480	v2.505

This document lists the compatible external drives for Roland's VS-series line of digital studio workstations. For more information go to [www.RolandUS.com](http://www.RolandUS.com) or call us at 323-890-3740.

## VS-2480

### SCSI to IDE Bridge

Manufacturer	Model	Capacity	Storage	Record/Playback
Acard Tech	ARS 2000	120GB	Yes	No

### Compatible CD Mechanisms

Manufacturer	Model	Storage	Record/Playback
Plextor	PX-W4220	Yes	No
Plextor	PX-W8220T/S	Yes	No
Plextor	PX-W124TS	Yes	No
Plextor	PX-W1210TS	Yes	No
TEAC	CD-W512SB	Yes	No

### Removable Media Drives

Manufacturer	Model	Capacity	Storage	Record/Playback
Song Vault	Song-Vault DVD	4.3GB	Yes	No

### External (SCSI) Hard Drives

Manufacturer	Model	Capacity	Storage	Record/Playback
Song Vault	Song Vault	120GB	Yes	No
Song Vault	Song Vault Pro	120GB	Yes	No
ASC	VirDIS *	Variable	Yes	No

\* VirDIS (Virtual Disk) is a new product that connects any VS Recorder with a SCSI port to a PC-compatible computer. You can use this product for virtual HD backup and recovery to your computer, virtual CD backup, and even virtual CD for Audio disc recording. For more info, go to [www.VirtualSCSI.com](http://www.VirtualSCSI.com).

## Legacy Products (VS-880/880EX/890/1680/1880/1824/VSR-880)

The VS-880, VS-880EX and VSR-880 can format a compatible drive in either 512MB or 1GB partitions. For drives larger than 1GB, they are capable of addressing up to four 1GB partitions per SCSI ID (drives smaller than 500MB will automatically be formatted to their fullest capacity in a single partition). The VS-1680 and VS-1880 can format a compatible drive in either 1GB or 2GB partitions and can access up to eight partitions. The VS-840 can format 100MB on a Zip drive, and the VS-840EX can format up to 250MB on a Zip drive.

Most SCSI hard drives that adhere to "AV" specifications will work with the VS-Series Workstations. Keep in mind, drives that do not meet AV specs, though not recommended for recording and playback, are often still reliable for data storage. In the following charts, we have made a distinction as to the reliability of each drive for both storage and recording/playback. Suggested specifications for recordable hard drives: 13ms access time, active termination, slip sectoring, no or intelligent recalibration, 1:1 interleave, MacIntosh compatible.

## VS Hard Drive Specifications

### VS-2480/VS-2400/VS-2000

HDD interface type	3.5 inch IDE (also known as Parallel ATA)
Capacity	No larger than 120GB
Drive Speed	Drive speed is not an issue. Any basic speed will work (e.g. 4800, 5400, 7200)
Cache/Buffer	Cache/Buffer size is not an issue. Any cache/buffer size will work

\* Although most hard drive brands will format and function properly, we recommend avoiding Western Digital brand hard drives as they can pose compatibility issues.

### VS 1680/VS-1880/VS-1824

HDD interface type	2.5 inch IDE (also known as Parallel ATA) notebook drive
Capacity	No larger than 16GB
Drive Speed	Drive speed is not an issue. Any basic speed will work (e.g. 4800, 5400, 7200)
Cache/Buffer	Cache/Buffer size is not an issue. Any cache/buffer size will work

### VSR-880/VS-890

HDD interface type	2.5 inch IDE (also known as Parallel ATA) notebook drive
Capacity	No larger than 10GB
Drive Speed	Drive speed is not an issue. Any basic speed will work (e.g. 4800, 5400, 7200)
Cache/Buffer	Cache/Buffer size is not an issue. Any cache/buffer size will work

### VS-880/VS-880EX

HDD interface type	2.5 inch IDE (also known as Parallel ATA) notebook drive
Capacity	No larger than 6GB (4GB will be formatted)
Drive Speed	Drive speed is not an issue. Any basic speed will work (e.g. 4800, 5400, 7200)
Cache/Buffer	Cache/Buffer size is not an issue. Any cache/buffer size will work

### Removable Media Drives

Manufacturer	Model	Capacity	Storage	Record/Playback
Castlewood	Orb	2.2GB	Yes	Yes
IoMega	Zip 100/250	100/250MB	Yes	Yes *
Syquest	135/230	135/230MB	Yes	Yes *
Syquest	SyJet **	1.5GB	Yes	Yes *

\* VS-880, VS-880EX and VSR-880 only – do not use physical format

\*\* Should be physically formatted before use

### Magneto Optical Drives

Manufacturer	Model	Capacity	Storage	Record/Playback
Olympus	2.6GB MO	2.3GB	Yes	No
Sony	Vertex 2.6GB	2.3GB	Yes	No
Fujitsu	640/230	540/230MB	Yes	Yes

## Internal (IDE) Hard Drives

Manufacturer	Model	Capacity
IBM	DBOA-2540, DHAA-2540	540MB
IBM	DPRA-20810, DSOA-20810	810MB
IBM	DSOA-21080 Travelstar 2LP, DMCA-21080	1GB
IBM	DMCA-21440, DTNA-22160	1.44GB, 2.1GB
IBM	DARA-212000	12.07GB*
Hitachi	DK212A-81, DK223A-81	810MB
Hitachi	DK212A-10	1GB
Hitachi	DK223A-11	1.1GB
Hitachi	DK213A-13	1.3GB
Hitachi	DK224A-14, DK225A-14	1.4GB
Hitachi	DK225A-21, DK226A-21	2.1GB
Hitachi	DK238A-32, DK227A-41	3.2GB, 4.0GB
Hitachi	DK228A-65, DK23AA-90	6.4GB*, 9.0GB*
Hitachi	DK23AA-12	12.0GB*
Quantum	Europa 540AT / 810AT	540MB / 810MB
Toshiba	HDD2731 or MD-1002 MAV	1GB
Toshiba	HDD2716 or MK-2103 MAV	2GB
Toshiba	HDD2619 or MK-3003 MAV	3GB
Toshiba	MK4309MAT / MK6409MAV	4.3GB / 6.4GB*

\* Please note that the VS-880, VS-880EX and VS-890 will only work with drives that are 6GB or less in size

## External (SCSI) Hard Drives

Manufacturer	Model	Capacity	Storage	Record/Playback
Quantum	Atlas XP34300W	4.3GB	Yes	Yes
Quantum	Atlas XP34550W	4.3GB	Yes	Yes
Seagate	ST39140/73N	9.1GB	Yes	Yes
Song Vault	Song Vault Pro *	120GB	Yes	No
ASC	VirDIS	Variable	Yes	No

\* VS-1680/1880/1824 only

### Warning!

Use only SCSI devices when connecting external peripherals to your VS-Workstation. Parallel Port disk drives are not compatible and you could damage one or both devices.

## Contact Sources

### Rackmount SCSI Drives

SoundLogic	760-789-6558
Glyph Technologies	800-335-0345
Rorke Data	800-328-8147
<b>Internal Drives</b>	
Epoch Sales	918-869-9683 (Vergil Flemming)
Think Computer	800-726-2477 x128
<b>Desktop SCSI Drives</b>	
APS	800-354-1213
Epoch Sales	918-869-9683 (Vergil Flemming)
Think Computer	800-726-2477 x128
Song Vault	<a href="http://www.ungo.net">www.ungo.net</a>