# ⌷Roland® VS-Series Compatibility Guide

**Current Operating Systems**

| VS-840 | v1.05 | | VS-1680 | v2.024/2.5 |
|---|---|---|---|---|
| VS-840EX | v2.03 | | VS-1880 | v1.014/1.5 |
| VS-840GX | v2.51 | | VS-1824 | v1.500 |
| VS-880 | v3.203 | | VS-2000 | v2.005 |
| VS-880EX | v2.011 | | VS-2400 | v1.504 |
| VSR-880 | v1.020 | | VS-2480 | v2.504 |

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 or call us at 323-890-3741.

## 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.

## 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.

## 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

** 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.

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**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.

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## Contact Sources

**Rackmoutn SCSI Drives**

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

**Internal Drives**

| | |
|---|---|
| Epoch Sales | 800-736-3762 x310 |
| Think Computer | 800-726-2477 x128 |

**Desktop SCSI Drives**

| | |
|---|---|
| APS | 800-354-1213 |
| Epoch Sales | 800-736-3762 x310 |
| Think Computer | 800-726-2477 x128 |
| Sound Vault | www.ungo.net |