



PortaGig 800 and SSD Quickstart

Pocket-sized, bus-powered FireWire 800 and USB 2.0
portable Hard Drive and SSD Drive

610027-1.04 PortaGig 800 Quickstart.pdf
July 22, 2009



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Contacting Glyph

Please use the following contact information to contact Glyph and its distributors.
Glyph USA offers phone support Monday through Friday, 9:00 am to 6:00 PM Eastern Time.

Note: DO NOT ship any return goods to the mailing addresses below unless you have a valid RMA number. All goods will be refused delivery unless a valid RMA number is displayed on the outside of the package.

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Unpacking Your PortaGig 800

Your Glyph PortaGig 800 and accessories are packaged in a sturdy shipping container. Please inspect the container for evidence of shipping damage and mishandling. If the container is damaged, file a report with the carrier or dealer immediately. Do not attempt to unpack and operate your PortaGig 800 until the carrier or dealer confirms the damage. If the container is in good condition, proceed with unpacking the PortaGig 800. Verify that all of the items described in the next section are present and in good condition. If any of the items you expect to find in your container is missing or damaged, contact the dealer before proceeding any further.

In any case, do keep the shipping container and all packing materials in a safe place.

The PortaGig 800 package includes:

PortaGig 800 Enclosure
FireWire 800 (9-pin to 9-pin) cable
USB Cable (Y-cable, uses two USB ports for necessary power)
Power supply
Carrying sleeve

Features

7,200 RPM and 5,400 RPM models available
SSD models available
Weighs less than 10 Ounces
Tested and approved with Digidesign Pro Tools™
Small, portable, aluminum case runs quietly with fanless design
Rear power switch
Applications: Field recording, moving audio, video, graphics, and prepress files
Includes universal power supply
Includes carrying case
3 Year Warranty
2 Year Free Basic Data Recovery
1 Year Overnight Advance Replacement in USA (Continental 48 states)

Specifications

Part Number	7,200 RPM: PGFW8001B-x (x = drive capacity) 5,400 RPM: PGFW8004B-x (x = drive capacity) Solid State Drive: PGFW8005B-x (x = drive capacity)
Interface	(2) FireWire 800 (IEEE 1394b) 9-pin ports (1) USB 2.0 Hi-speed (device-side) port
Bridging Chip	Oxford 934
Maximum Transfer Rate	100MB/sec (800Mb/sec)
Sustained Transfer Rate	up to 76MB/sec (7200 RPM) up to 85MB/sec (SSD)
Dimensions	H 0.86" x W 3.3" x D 5.2"
Configuration	Portable enclosure
Weight	0.6 lbs. / 0.3 kg (HDD Version) 0.5 lbs. / 0.24 kg (SDD Version)
Power Supply	Universal 100-240v 50/60 Hz
OS Compatibility	Mac OS 8.6, 9.X, 10.X Microsoft Windows 98SE, ME, 2000, XP, Vista Modern Unix-based, Linux, or BSD
Warranty	3 Years 2 Years Free Basic Data Recovery 1 Year Overnight Advance Replace in USA (Continental 48 states)

Content Creation Applications

Qualified with all major audio production packages that support FireWire storage, including Digidesign Pro Tools, Steinberg Nuendo and Cubase, Apple Logic, MOTU Digital Performer, Cakewalk Sonar, Sony Vegas and more...

About the PortaGig 800

The PortaGig 800 is a bus-powered hard drive. With its tiny enclosure, it's small enough to fit into a pocket, and powerful enough to support high track-count audio sessions. With FireWire 400 and USB 2.0 interfaces, PortaGig is compatible with Mac, Windows and Linux systems supporting FireWire or USB. Designed with a fanless, light aluminum enclosure, it allows you to work on the road easily and reliably. If bus power is not available or is insufficient, you can use the included power supply.

Capacities and Speeds

PortaGig 800 drives are available in 7,200 and 5,400 RPM models, as well as SSD models. All models of the PortaGig 800 perform well in an audio environment, however the SSD models have the highest performance. The 7,200 RPM models have slightly higher track count compared to the 5,400 RPM models due to their higher transfer rates.

Ports

On the rear of the PortaGig 800 there are two FireWire 800 ports and a USB 2.0 port. Officially, FireWire 800 ports are IEEE 1394b ports that run at up to 800Mbps/sec. One of these ports should be connected to your computer, and the other should be connected to other downstream FireWire devices. It doesn't matter which port you connect to the computer, they are functionally identical. If your computer has a FireWire 800 port you use the provided FireWire 800 9-pin cable. If your computer has a FireWire 400 port only, you can use a FireWire 800 to FireWire 400 converter cable, available from Glyph (part# CAB-FW800-9/6-2). If your computer doesn't have any FireWire ports you will need to purchase a FireWire adapter card. Check the Glyph web site for suggestions.

If you choose to connect your drive using USB 2.0, use the supplied USB cable. Note that the USB cable is a "Y" cable: it has one end that connects to the drive and two ends that can be connected to the computer. Since one USB port often does not supply enough USB bus power for the PortaGig 800, you can plug both ends into your computer if needed.

Bus Power

PortaGig 800 can be run successfully using FireWire and/or USB bus power supplied by many notebook computers, however Glyph can't guarantee compatibility with all notebooks due to differing bus power specs. If you want to guarantee PortaGig will work, use the included DC supply. You can also try using the USB "Y" cable (see above).

About FireWire

FireWire is an implementation of the IEEE 1394 serial bus standard. It not only supports automatic configuration (“plug and play”) and hot-swapping of devices, it’s fast, and best of all it’s reliable for audio/video as well as for computer peripherals. FireWire supports peripherals in a tree-like structure, and it allows peer-to-peer device communication—e.g. between a scanner and a printer—to take place, without using system memory or the CPU. With FireWire you can hook up to 63 devices to the same bus, with cable lengths of up to 4.5 meters (14 feet) including internal cabling, allowed between devices. Its cable is convenient and can also carry power. This allows low-consumption devices to operate without a separate power cord, by using power supplied by other devices on the bus.

About FireWire 800

- FireWire 800 supports speeds up to 800 Mb/sec, twice as fast as FireWire 400.
- If your computer does not have built-in FireWire 800, you’ll need a PCI card to achieve a true FireWire 800 connection.
- Most 800 ports are Bi-Lingual, which means they speak both FireWire 400 and FireWire 800.
- If you connect a 400 device to an 800 device, you will be running at 400 speed maximum.
- FireWire is forward-compatible and back-compatible, but the bus always runs at the speed of the slowest link.
- Beta cables are used to connect 800 devices to 800 devices.
- Bi-Lingual cables are available to connect 400 devices to 800 devices.
- Bi-Lingual cables have a 9-pin Bi-Lingual connector at one end and a 4-pin or 6-pin FireWire 400 connector at the other end

Frequently Asked Questions

Q: Do I need any drivers to use the PortaGig 800?

No drivers are required for FireWire on Mac or Windows. No drivers are required for USB on Mac OS or Windows XP/2000/Vista. A driver is required for USB on Windows 98/SE, and is available for download from www.glyphtech.com. Look under in the support/downloads section of the web site.

Q: My Windows computer doesn’t show the drive in My Computer. What’s up?

The default format on the PortaGig 800 is for the Macintosh, and Windows doesn’t recognize it. Once you have connected the PortaGig 800 to your Windows PC, you have to re-initialize it for use with Windows. For Windows XP/2000/Vista, that’s going to be NTFS format; for Win98/SE, that will be FAT32 format (Windows XP and 2000 can also read FAT32). Detailed instructions for re-initializing your drive are on the Glyph web site, or you may choose to follow the quick Windows formatting directions in the next section.

Q: My Macintosh OS X computer shows the drive on the Desktop but it says I can’t write to it. What’s up?

If you have formatted the PortaGig 800 for Windows (NTFS), Mac OS X will recognize it as an NTFS drive, but can only read from it and can’t write to it. Once you have connected the PortaGig 800 to your Mac OS X computer, you should re-initialize it for use with Macintosh. Instructions for re-initializing your drive are on the Glyph web site.

Mac OS 9 Formatting Instructions

Since Glyph GT Key drives come pre-formatted for Macintosh you don’t need to format them on installation. If you decide to reformat or partition your drive at a later date, you can use the Erase Disk command in the Mac OS 9 operating system. This command will erase all the data on a volume and create a new file system. Erase disk will not allow you to re-partition a FireWire drive or create a different volume structure than what was previously there.

Caution: This procedure will destroy any data currently on the drive. Before formatting a drive, save any important data it contains.

1. Select the volume by clicking on it once in the Finder
2. Go to the Special menu and select Erase Disk... The Erase Disk dialog box opens to verify your decision to erase the disk.
3. In the Name field, enter the new name for the disk or leave the name as it is.
4. In the Format drop-down menu, choose an Extended volume and click “Erase”.

Mac OS X Formatting Instructions

Since Glyph PortaGig 800 drives come pre-formatted for Macintosh you don't need to format them on installation. If you decide to reformat or partition your drive at a later date, use Disk Utility (supplied with the Mac OS X operating system).

Caution: This procedure will destroy any data currently on the drive. Before formatting a drive, save any important data it contains.

1. Open Disk Utility:
 - Double click on your internal hard drive mounted on the desktop
 - Open Applications Folder > Utilities Folder > double click on Disk Utility
2. Select your PortaGig 800 drive(s) from the list on the left. The top entry represents the FireWire device and the entry underneath it represents the volume associated with that device. Click on the top device which will say something like "XXXGB Glyph Technologies".
3. Click the "Erase" tab on the right side of the screen.
4. Choose the desired volume format from the drop-down list. Glyph recommends the default "Mac OS Extended (Journaled)".
5. Click in the "Name" field and type the desired name for the drive. This name will identify the drive on the desktop
6. Click the "Install Mac OS 9 Disk Driver" button if you would like your drive to be compatible with OS 9.
7. Click the "Erase" button to erase your drive. Your new drive should automatically mount on the desktop as a Glyph volume.

Windows 2000 / XP / Vista Formatting Instructions

1. Right-click My Computer and click Manage.
2. In the Computer Management window, under Storage, click Disk Management.

The Write Signature wizard pops up.

3. Use the wizard to write a signature to the new drive. If you want only one partition we suggest using a primary partition and selecting the maximum size. In most cases you'll want to use NTFS volumes, this is the default for Windows 2000, Windows XP and Vista. Choose FAT32 if you want to use the drives with Windows 98 or ME, or if you want to use the drive with Windows and Mac OS.
4. Formatting will take a few minutes, after which your drive will be ready to use.

Windows 98 / 98SE Formatting Instructions

1. From your computer's task bar, go to Start > Programs > MS-DOS Prompt.
2. At the prompt, type fdisk and press Enter. You'll see a long message about disk support.
3. Enter Y (type Y and press Enter).
4. You are invited to make a choice. Enter 5 to change the current fixed disk drive. MS-DOS displays the connected disk drives.
5. Enter the number of the disk that has no corresponding drive letter.
6. You are invited to make a choice (same list as in Step 3). Enter 1 to create a primary DOS partition. Your computer verifies the drive's integrity, after which you are asked to choose whether you want to use all the space available.
7. Enter Y to opt for using the maximum available space. Your computer again verifies the drive's integrity.
8. When the drive's integrity has been verified, press ESC (Escape) three times to exit fdisk.
9. At the prompt, type exit.
10. Restart your computer.

Your new drive is now ready to use.