

ASIO STREAMER FAQ

Q: **Which cables and cable lengths can be used in a SoundGrid system?**

A: Cat5e or Cat6 cables are required, with cable length strictly dependant on cable type. Cat6 allows for up to 70m between the iLive MixRack and the switch and 10m between the switch and any SoundGrid Server. Cat5e is limited to much shorter cable lengths. Please refer to <http://www.waveslive.com/pdf/soundgrid-cables.pdf> for more information.

Q: **Can I control plug-ins and routing from the iLive Surface?**

A: No. A computer running SoundGrid MultiRack software is required.

Q: **Is Waves SoundGrid Server One the only recommended computer for processing?**

A: No. A list of third-party, tested and recommended workstations is available on www.waveslive.com, where the latest SoundGrid Server software can be purchased separately if needed. Waves servers come pre-installed with the software on an internal flash disk.

Q: **Do I need an Ethernet switch for my SoundGrid setup?**

A: Most applications such as plug-in processing plus playback & recording do not strictly require an external switch, as the card comes with an integrated three-ports switch. When more devices are connected together in a network, a Gigabit Ethernet switch which supports jumbo frames is required. Please refer to www.waveslive.com for a list of tested and recommended switches.

Q: **Can I use SoundGrid to record and playback using my existing DAW software?**

A: SoundGrid works with standard ASIO drivers for Windows or the CoreAudio interface for OSX. These are supported by nearly all currently available professional level audio workstations such as Nuendo, Cubase, Reaper, Sonar, Pro Tools 9 and many others.

Q: **Is the recording and playback pre or post Waves processing?**

A: Channels can be set to record either pre or post MultiRack processing. Playback channels can be set to play pre or post processing. A selection of both pre and post channels can be configured too.

Q: **Does my computer need a static IP address?**

A: No, SoundGrid uses IPv6 and RAW Ethernet. IPv4 settings do not affect communication between SoundGrid devices.

Q: **Can I use SoundGrid as my Surface to MixRack link?**

A: No, M-Waves is not supported as a Port A primary audio link.

Q: **Can I use SoundGrid as my digital split between FOH and Monitor?**

A: Only with modular iLive MixRacks equipped with RAB2 and separate clock distribution. M-Waves is fit in Port B and digital splits of the mic preamps in one system are sent over Cat6 cable to the second system. This provides independent trim, EQ, processing, FX, and mix-bus structure for each system. A coaxial cable runs from the Sync Out BNC on the master MixRack to the Sync In BNC on the slave MixRack.

Q: **Can I bridge my iLive control network into the Waves card?**

A: Yes, this is desirable when a single computer is used for iLive Editor and MultiRack SoundGrid. Your computer must be set to a static IP address compatible with the iLive system.

Q: **If I bridge my iLive control network into the Waves card, can I connect the control computer at the Surface?**

A: Yes, though recording and playback with SG Driver should be avoided in this scenario due to bandwidth limitations.

Q: **Which latency should I expect from SoundGrid processing and how many plug-ins can I run?**

A: System performance depends on the SoundGrid Server. Server One can run up to 184 C4 or 232 SSL Channel plug-ins and has a through-put latency of 40 samples (less than 1ms). Please note that certain Waves plug-ins need to buffer audio in order to process, resulting in additional latency. A table indicating how much latency is produced by each plug-in is available on www.waveslive.com. The Group Properties window in MultiRack allows automatic or manual latency alignment of grouped Racks.

Q: **Does SoundGrid support my existing Waves plug-ins?**

A: Most Waves plug-ins are compatible with SoundGrid. Owners of Waves native plug-ins need to get a TDM license upgrade. A compatibility chart is available here: <http://www.waveslive.com/pdf/soundgrid-products.pdf>. Dedicated Pro, Essentials and Prelude bundles, hand-picked especially for FOH and Monitor engineers, are available for SoundGrid.

Q: **What is Waves TLC?**

A: TLC is a Theft and Loss Coverage for the iLok-based license. For further information please visit www.waveslive.com.