

## JETSTREAM MINI REPRESENTS THE LATEST IN IP AUDIO NETWORKING

Finally, an audio console system with IP audio networking that's user friendly, affordable and ultra-fast for processing, mixing and moving audio around the studio or beyond.

### JetStream MINI

JetStream MINI is an integrated console engine and IP audio networking platform. It features a dense, 64-channel, user configurable Audio I/O router node, console DSP with audio processing and profanity delay, plus GPI/O and embedded, microprocessor enabled, AoIP audio networking. Audio mixing, routing and processing are accomplished in a single fanless, convection cooled, two rack unit package which uses the most recent IP protocols to make setup and maintenance fast and easy.

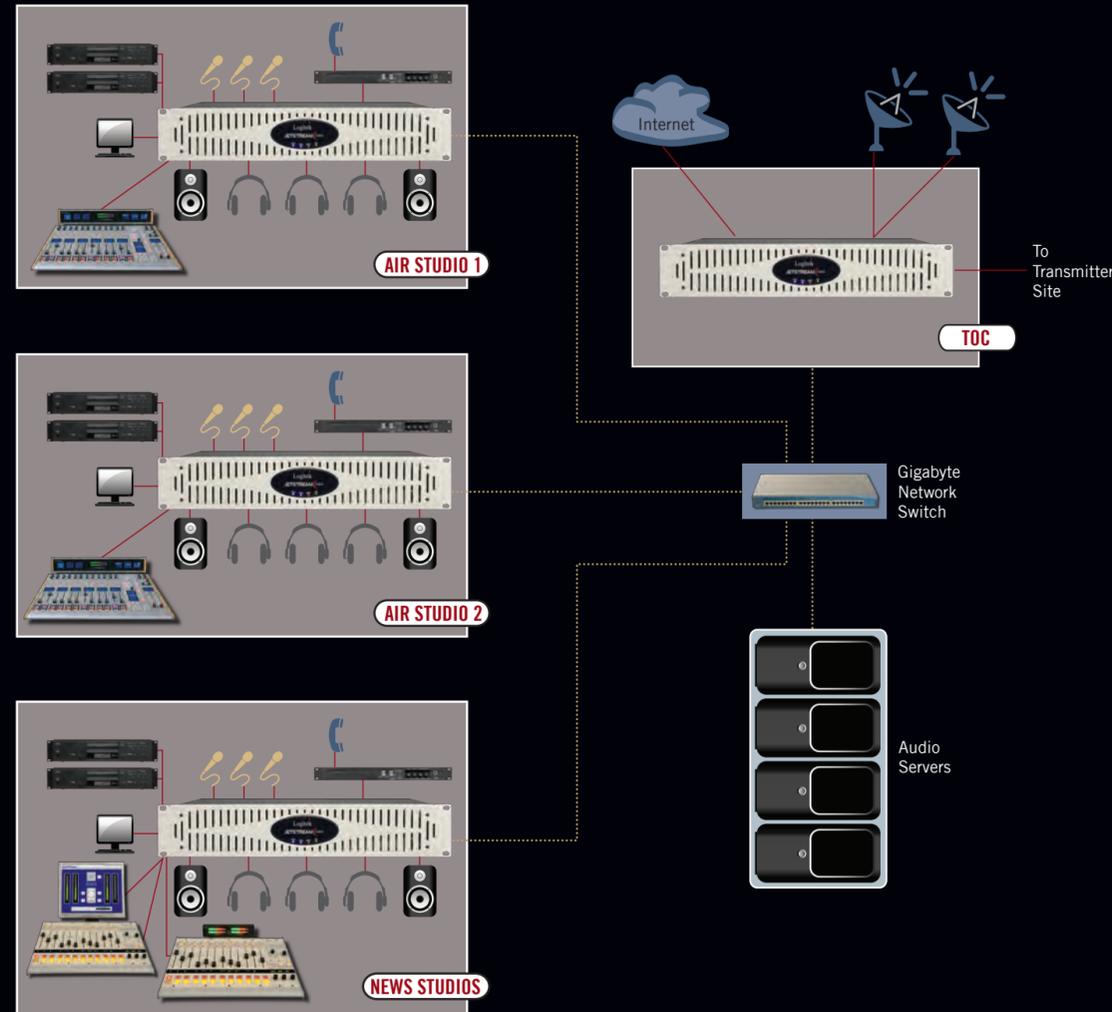
JetStream MINI handles console functions as well as all audio networking duties for conveying audio between automation systems, control surfaces, telephones, CD players, mics and other sources and destinations in the studio facility. Designed to grow with your station, JetStream MINI can be used in a stand alone application for a single studio and then expanded to incorporate multiple studios.

### JetStream MINI Features:

- Comprehensive capabilities. The JetStream MINI has complete broadcast console functionality with on-board IP audio networking.
- Logitek's JetNet network conduit allows for direct network transfer of audio from hard-disk playout systems and other Logitek JetNet partners without the use of sound cards.
- Ample inputs/outputs. Just one JetStream MINI handles 64 digital or analog I/Os of your choice; high I/O density in a two rack-unit chassis.
- Configurable. Mix and match analog and digital I/O cards for any source/destination combination, including mics, CD players, speakers, and more in one node. Most studios need only one JetStream MINI.
- Built in redundancy. Dual network ports with failover configuration come standard. No need to engineer redundancy into the system or duplicate hardware at additional cost.
- Super easy setup. JetStream assigns IP addresses automatically. Just plug in and let JetStream do the rest.
- More than enough mix-minus capability with 24 mix-minus busses.
- StudioHub+® format with RJ-45 sockets for inexpensive, ultra-fast wiring.
- Operator friendly. Smooth digital mixing, simple scene selections, one-button triggers and multiple busses make operation easy.
- Quiet operation. Convection cooling means no fans for noise-free operation in the on-air studio.
- Integrated extras. Built-in profanity delay and audio processing save you the cost and extra space requirements of add-ons.
- Versatile control. The JetStream MINI can be operated via physical control surfaces, screen based controllers, pushbutton interfaces or external devices (via JetNet). One JetStream MINI supports up to four Logitek control surfaces or vScreen virtual controllers of your choice to fit any studio environment.
- Grow as you go. Change I/O cards and reconfigure for control surfaces as studios change. Three JetStream MINIs can be networked without an external Ethernet switch. Additional switching can be added for more connectivity.

*JetStream*

## SAMPLE STUDIO CONFIGURATION



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**JETSTREAM** MINI

NETWORKED CONSOLE SYSTEM

# JETSTREAM MINI

## Finally, an IP audio networking system with smarts

**J**etStream MINI is designed to make life simpler. Its smart design offers console functions and IP networking all in one unit, plus more than double the inputs/outputs per node than other systems, which translates into less hardware and fewer dollars. And while JetStream gives you more capability in one box, it will never force a studio configuration on you, like dictating the type of input/output cards you can put in a network node. Configure JetStream MINI for your facility's needs. You shouldn't have to buy separate boxes for analog, digital or microphone sources. JetStream reduces the cost and complexity of your facility for easier operation and lower maintenance.

JetStream IP audio networking is also smart about all those things that have made IP audio systems so confusing in the past, especially setup. JetStream knows where resources are located in the network, so setup is automated and super easy. No need to track down IP addresses or create allocation tables.

JetStream features the JetNet network conduit which allows for direct network transfer of audio from hard-disk playout systems and other Logitek JetNet partners without the use of soundcards. Using standard IP protocols, JetNet is the simplest way to connect IP accessible devices to the audio network. It eliminates the requirement not only for second party soundcards but also physical audio connections to the JetStream, reducing cost and system complexity.

### Networkability

JetStream MINI is a fully distributed gigabit IP audio networking system designed specifically for broad-

cast use. It supports proven standard Internet protocols for streaming of live, uncompressed audio over standard switched Ethernet. Robust enough for the rigors of broadcasting, JetStream uses system-wide synchronization to avoid packet losses that can cause audio dropouts. You never have to worry about loss in quality or service interruption.

### Connectability

One JetStream MINI easily handles all audio channels in a typical studio. We put everything you need into one JetStream MINI for the full range of I/O studio connectivity. You configure inputs/outputs for CD players, speakers, mics, telephones, and more. JetStream MINI networks audio over standard Ethernet, to provide universal interconnection between all sources and destinations in your facility.

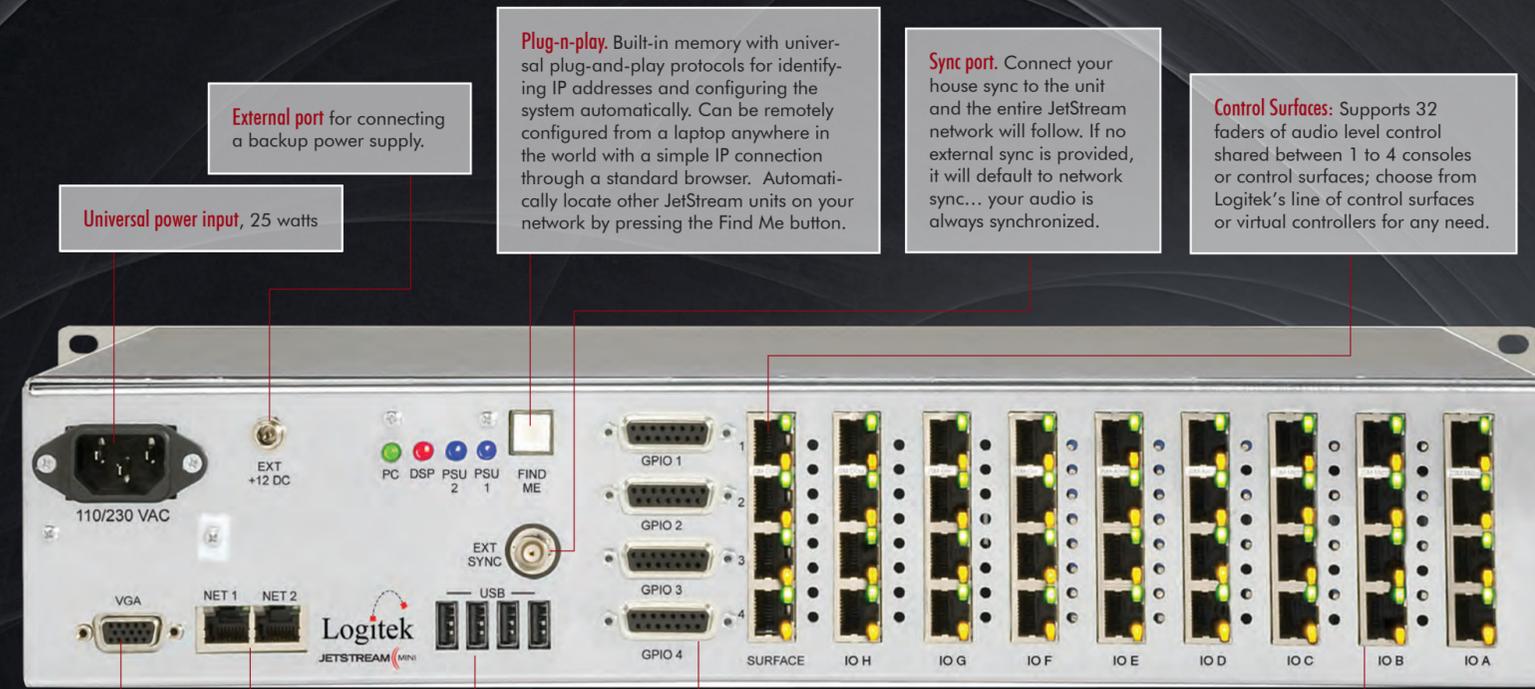
### Usability

JetStream is plug and play. It automatically acquires all necessary IP addresses, advertises shared resources available in the network, and even makes a list of sources offered by other JetStream units, if any, in the network. It does all the setup that you don't want to do.

### The ability to do more with less

Everything you need is included in one, user-configurable JetStream MINI unit. Built-in EQ, mic and dynamics processing; integrated profanity delay; and GPI/O, Internet codecs, WAN support, direct automation interface through JetNet, and a whole lot more. And, any time you change your studio or your mind, JetStream MINI can handle that, too. With JetStream MINI, flexibility is ongoing.

JetStream MINI includes one audio processor card, one network card and one GPI/O card with 12 inputs/16 outputs. It features 8 I/O slots for a total of 64 audio channels and supports 4 control surfaces with profanity delay and microphone, EQ and dynamics processing. JetStream MINI supports standard IP and Ethernet protocols, redundant networking and standard codecs and audio file formats. All this in a 2 RU convection cooled package. It weighs 10 lbs., fully loaded.



**External port** for connecting a backup power supply.

**Universal power input**, 25 watts

**Plug-n-play.** Built-in memory with universal plug-and-play protocols for identifying IP addresses and configuring the system automatically. Can be remotely configured from a laptop anywhere in the world with a simple IP connection through a standard browser. Automatically locate other JetStream units on your network by pressing the Find Me button.

**Sync port.** Connect your house sync to the unit and the entire JetStream network will follow. If no external sync is provided, it will default to network sync... your audio is always synchronized.

**Control Surfaces:** Supports 32 faders of audio level control shared between 1 to 4 consoles or control surfaces; choose from Logitek's line of control surfaces or virtual controllers for any need.

**VGA** for operating Logitek's vScreen controller or for meters and more.

**Dual Gb Ethernet ports** with failover configuration for built-in redundancy. Plugs into any dedicated or shared switched Ethernet network using standard cable for 1 Gb/second transfer rate.

**Automation interface.** Directly network connections to automation systems through JetNet. No soundcard required; maximizes transfer speed and quality.

**Four USB ports** for memory sticks, pointers and other devices; a serial port is available for interfacing to TV automation systems.

**GPI/O.** 12 general purpose inputs and 16 general purpose outputs for start/stop and other operating controls associated with microphones, mixers, telephone systems, et al. JetStream also can transport control information over Ethernet connection for more sophisticated device control as well as syncing metadata to audio, such as song title and artist name for readout on HD Radio™ and RDS radios.

**8 slots for I/O cards.** Populate with any combination of these five plug-in cards for 64 (mono) I/O channels:

- Microphone Input (4 mic preamps with phantom power and trim pot gain adjust)
- Analog In (4 stereo line inputs with trim pot gain controls)
- Analog Out (4 stereo line outputs with trim pot gain controls)
- Digital In (4 stereo AES or S/PDIF digital inputs with rate conversion)
- Digital Out (4 stereo AES or S/PDIF digital outputs)

For TV stations, analog cards with a DB-25 connector and digital cards with BNC connectors are available.

- No fans here.** Fan-less convection cooling for noise-free operation.
- Peer-to-peer mode.** Up to 3 JetStream MINIs can be connected together without a switch. Add switches to share audio channels with other JetStream MINIs.
- Protocols:** RTP, multicast and unicast signals for streaming audio in real-time along with program associated data (PAD), machine remote control and other data. Uses IGMP, RTSP, SIP and SDP control protocols, and VLAN tagging, DHCP, DNS, MADCAP, DSCP and SNMP managed network protocols, as well as AutoIP (UPNP) and mDNS.
- Audio Processing Card:** 32 channels of stereo audio shared between one to four consoles, with EQ and dynamics processing. 24-channel stereo mix-minus capability. Profanity delay and mic processing built-in. Embedded DSP, 32-bit floating point processor for high fidelity and less noise. User selectable sampling at 44.1kHz or 48kHz.