



# ISLAND<sup>®</sup>

## IN LIVE THEATRE SETTINGS

### LIVE THEATRE PRODUCTION NEEDS ARE CONSTANTLY EVOLVING

With advanced stage technologies like responsive lighting, high-definition video streaming, intricate audio networks, and crucial control and communication systems, live theatres are now high-tech environments. To manage these sophisticated requirements, a robust and reliable network backbone is essential. The Island router is designed to meet these needs.

#### Responsive Lighting Visualization

Island handles the demands of real-time, dynamic lighting visualizations, ensuring smooth operation and synchronization of complex lighting effects, vital for enhancing the visual impact of live performances.

#### High-Resolution Video Networks (NDI, SDVoE)

Supporting cutting-edge video streaming technologies such as NDI and SDVoE, Island provides the necessary bandwidth and low-latency performance for high-resolution video feeds, crucial for backdrop projections and live stage feeds.

#### Low-Latency Robust Audio Networks (Dante, AES67, AVB)

In audio systems like Dante, AES67, and AVB, low-latency and reliable transmission are key. Island routers ensure minimal delay in audio data transfer, maintaining synchronization and audio integrity for a cohesive and immersive audience experience.

#### Mission-Critical Network Control and Comms Systems

Island provides a secure and stable network foundation for essential backstage communications and control systems, facilitating seamless coordination and execution of complex production elements.

#### A Router Built for Today's Theatre Requirements

Island's high throughput, fast packet handling, 5,000-device capacity, and carrier-grade reliability make it the ideal solution for the evolving technical demands of live theatre productions.

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## GENERAL SPECIFICATIONS

### PERFORMANCE

- 3.7 Gbps throughput
- 2,000,000 packets/sec
- 130,000 connections/sec

### HARDWARE

- CPU: quad-core 64-bit Intel® processor @ 1.8GHz
- 4 GB of dual-channel, ECC 72-bit RAM
- 64 GB of Flash storage
- Copy-on-write, ultra-high-integrity file system
- Four 10/100/1000 Gigabit Ethernet ports
- Internal full-range (90-270VAC) power supply
- Dimensions/weight: 5.965" d, 2.362" h,
- 420 grams/14.8 ounces
- Certifications: FCC Class B, U/L, CE.
- Sustainable, recyclable plastic enclosure
- 2-year product warranty

### GENERAL

- Everything Island does is per device
- Supports up to 5,000 connected devices
- Collects and stores device activity for 1-3 years
- Exceptional VPN performance
- Both IPv4 and IPv6 enabled by default
- Supports up to 3 separate LANs
- Port forwarding by device name rather than IP address
- Uses DNS over HTTPS by default; also supports recursive DNS and DNSSEC
- DDNS
- DHCP reservations
- UPnP
- Supports multiple Internet connections, for redundancy or load-balancing
- Includes Wireguard VPN built-in with Island-proprietary extensions

### IDEAL ENVIRONMENTS

- Theatres
- Houses of worship
- Residential, work-from-home
- Education environments (schools, libraries)
- Conferences, competitions where kids are present
- Small-to-medium businesses
- Property managers, Airbnb + VRBO hosts
- Hospitality venues (restaurants, hotels)

