Introducing the **Atlona Wireless Audio Visual Environment (WAVE)** and the **AT-WAVE-101**, an innovative wireless presentation system designed for quick and easy content sharing from up to four PCs or mobile devices. The WAVE-101 is designed for effortless screen casting with iOS®, Android™, Mac®, Chromebook™, and Windows® devices.

The versatility of the WAVE-101 expands well beyond BYOD content sharing, with a host of additional features to enhance education, corporate, and many other applications.

**WAVE-101 features at-a-glance**

The WAVE-101 is a software-centric product designed for simple wireless collaboration for multiple presenters, alongside a comprehensive feature set that addresses AV integration requirements, network security, media playback, and more.
**WAVE™**

The WAVE-101 is ideal for classrooms and meeting spaces, as well as open gathering areas where people come together to collaborate and communicate. The appeal of this product is the ability for participants to quickly and easily share content right from their laptops, smartphones, or tablets, with no advance setup necessary.

The WAVE-101 allows multiple students to share from their seats, with the instructor controlling the presentation through a specially designed moderator mode.

**Applications**

For existing AV systems in meeting rooms, the WAVE-101 offers an ideal upgrade opportunity to add wireless AV and many other capabilities such as digital signage playback.

**Wireless BYOD connections as easy as 1-2-3**

The WAVE-101 lets you cast your screen from an iOS, Android, Mac, Chromebook, or Windows device. There's no setup necessary beforehand – just use the native AirPlay®, Google Cast™, or Miracast™ protocol built into your laptop, smartphone, or tablet. For security, the WAVE-101 can randomly generate PIN access codes.

**Dynamic Layout Mode (patent pending)**

For hands-free, effortless user operation, Dynamic Layout Mode™ is an innovative feature of the WAVE-101 that automatically adapts the on-screen layout to incoming or disconnected source content, to optimize the way the content is presented on the screen.

**Instructor Mode**

Designed for education applications, Instructor Mode allows moderation of sessions with multiple presenters. When activated, Instructor Mode automatically places each newly connected student device into a queue. Through a web portal, the instructor determines which students can share content with everyone.

Visit **atlona.com** for more complete product information, including datasheets and specifications.

Watch the videos at **atlona.com/at-wave-101**
The WAVE-101 is more than a wireless presentation system. It's equipped with a host of convenience features ideal for education and other applications – making this a versatile media device for live streaming broadcasts, digital signage, audio playback, and more.

**Media playback**
The WAVE-101 lets you play user-uploaded images as well as videos (up to 4K), a great feature for instructors to share multimedia content with students. It can also play content available on YouTube.

**YouTube live streaming**
Use YouTube™ live streaming to deliver instruction and presentations to support remote participants. This capability is ideal for education applications, and allows content to be delivered to overflow rooms.

**Digital signage**
The WAVE-101 can serve as a digital signage player, integrating with cloud-based platforms such as DAKboard. This enables simple deployment without the need for a complete digital signage system.

**Network management**
Use the Atlona Management System™ (AMS) to configure, deploy, and manage a fleet of WAVE-101 installations throughout a facility. AMS is part of the Velocity™ System, and lets you access all devices from a web browser for continuous system monitoring, troubleshooting and technical support, and issuing firmware updates.

**Ideal for new or existing AV systems**
The WAVE-101 is great for a basic setup with a display. It’s equally ideal as an upgrade to a new or existing AV system, for adding wireless BYOD and many other presentation capabilities.
WAVE™ Features

- Wireless AV platform allows simultaneous content sharing for up to four 1080p presenters
- Wireless screen casting with iOS, Android, Mac, Chromebook, and Windows devices through native AirPlay, Google Cast, or Miracast protocols
- Dynamic Layout Mode (patent pending) automatically adapts to incoming or disconnected source content, to optimize the way the content is presented on the screen
- Instructor Mode allows a user to manage content, adjust audio volume, upload and play media content, stream YouTube, and switch between layouts
- Supports YouTube Live streaming
- Supports cloud-based digital signage platforms
- Local storage available for playback of images and video
- Optional Wi-Fi® access point with built-in firewall
- Supports Miracast over Infrastructure for use of facility Wi-Fi or Ethernet network
- Wireless AV interfacing can be selectively enabled or disabled for each native platform
- Supports wireless video up to 1080p30 4:2:0 (up to 1080p60 with Miracast)
- Secure wireless and content sharing with randomly generated passwords and PIN codes, and a configurable firewall
- Supports industry-standard, network security features and protocols such as WPA2-PSK, and AES-128 encryption
- Programmable IP, RS-232 display control (with optional adapter), or TCP proxy (port 9001) display control based on time schedules
- Centrally configure and manage WAVE-101 units with AMS (Atlona Management System)
- Three-year limited product warranty

WAVE™ Specifications

**Features and Specifications**

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**Specifications**

**SYSTEM**

- Operating System: Linux
- Processor: Intel® Celeron N4120
- Memory: 4 GB LPDDR4 (2400)
- Storage: 64 GB eMMC
- Cooling: Fan w/ sink

**BYOD**

- Interface: Wireless LAN (optional-included), Gigabit LAN
- Casting Protocols: Miracast, Google Cast, and AirPlay
- Wireless Resolution: See casting protocol specification

**VIDEO**

- Signal Type: Input - Wireless
- Output - HDMI®
- Copy Protection: No
- Pixel Clock: 600 MHz
- UHD/HD/SD: 3840×2160@60/59.97/59.95/59.94/59.93/59.92/59.91/59.9 Hz
- 1080p@60/59.97/59.96/59.95/59.94/59.93/59.92/59.91/59.9 Hz
- 720p@60/59.97/59.96 Hz
- VESA: All resolutions are 60 Hz
- All resolutions are 1280×1024
- Color Space: RGB
- Chroma Subsampling: 4:4:4

**AUDIO**

- HDMI Pass-Through Formats: PCM 2.0
- Bit Rate: 2 Mbps max
- Sample Rate: 32 kHz, 44.1 kHz

**USB**

- Port: 2 x Type A USB
- Signal: 1 x 2.0
- Maximum Data Rate: 2.0 - 480 Mbps
- 3.0 - 5 Gbps

**BYOD Interface**

- Wireless LAN (optional-included), Gigabit LAN

**Casting Protocols**

- Miracast, Google Cast, and AirPlay

**Wireless Resolution**

- See casting protocol specification

**Visible wireless streams**

- Up to 4

For complete product specifications, please visit: atlona.com/at-wave-101

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Visit atlona.com for more complete product information, including datasheets and specifications.