



## PRESS INFORMATION

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**STRICTLY EMBARGOED UNTIL 10.00 CET TUESDAY 5<sup>th</sup> FEBRUARY 2019**

### **Yamaha Launches New SWP2 Series L2 Network Switches At ISE 2019**

**ISE 2019 sees Yamaha launch the SWP2 series of L2 network switches, which include twin 10G uplink ports, making them ideal for high capacity Dante networks running at 96kHz.**

Audio networking is now commonplace in indoor and outdoor concert systems, where many devices must communicate over a large area. Yamaha has been making network switches and routers since 1995, widely adopted in the Japanese market, and has led the audio networking evolution since 2012. Following the introduction of the CL series digital mixing consoles, the company has produced numerous pro audio devices with Audinate's Dante networking built in, allowing low-latency transfer of multi-channel digital audio.

Following the same design style and maintaining the acclaimed ease of setup, operating convenience and reliability of the SWP1 series network switches, the new **SWP2 series** switches add dual 10G uplink ports with opticalCON connectors and the bandwidth needed to provide stable Dante networking at 96kHz, even over long distances. Available in both multi (**SWP2-10MMF**) and single (**SWP2-10SMF**) mode models, two optical fiber cables can be connected and link aggregation activated to provide trunk line redundancy via spanning tree (MSTP) protocol.

A simple 'Optimize for Dante' switch setting makes them easy to set up for stable Dante network operation, without the expertise in network technology and operation needed when using standard intelligent switches. SWP2 switches also allow the relevant settings for stable Dante network operation (QoS, EEE, IGMP Snooping and others) to be optimized via a single DIP switch.

The SWP2 series switches include three built-in VLAN presets that can be quickly selected via DIP switch for efficient network utilization (it is advisable to provide separate VLAN subdivisions for smart devices running control applications such as StageMix and audio data when both will be connected via the same Dante network). A USER mode that enables custom VLAN setup is also provided.

Indicators on the SWP2 switches clearly show which connectors are assigned to which VLAN subdivisions, while Yamaha's LAN Monitor\* application for Windows provides visual monitoring of network load, switch status, Dante device info and other essential information via a single central display. It is possible to take a 'snapshot' of normal operating status and trigger an alert if any variation from the norm is detected, allowing problems to be quickly identified and rectified.

etherCON and opticalCON network connectors help to prevent accidental disconnection at temporary installations, with a V-lock compatible AC power connector. An XLR-4-32 type external DC input connector is also provided for an optional PA-700\*\* power supply unit (+24V) where power supply redundancy is required. All SWP series network switches are also rack mountable.

"Yamaha began manufacturing network products for the IT market 20 years ago and currently has a majority share of the domestic SOHO router market. In more recent years those products have also become indispensable in the audio networking field," says Yoshi Tsugawa, general manager of Yamaha's PA division. "More Dante networks are being operated at 96kHz, and system scale has increased markedly. We are confident that the SWP2 series will prove to be an ideal solution for high-performance Dante audio networks of any size."



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With rugged connectivity and Yamaha's legendary reliability, the SWP2 series is designed to provide the optimum environment for mobile audio networks.

The SWP2 network switches are scheduled to ship in spring 2019.

\* Yamaha LAN Monitor V1.3.6 and above supported.

\*\* The PA-700 can also be used with the EXT DC INPUT on SWP1 series switches and RSio64D I/O rack units.

Yamaha is exhibiting on stand 3-C112, Hall 3 at ISE2019. Sister company Yamaha Unified Communications is exhibiting on stand Stand 11-F120/G120.

**ENDS**

### **About**

Yamaha Commercial Audio is a world leader in the manufacture and supply of professional audio products for a wide range of applications including live sound reinforcement, post production, recording, worship and broadcast. With a world-wide presence, Yamaha's Commercial Audio subsidiaries and dealer networks provide comprehensive local services backed by a global Yamaha CA support policy.



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