RTS introduces OMS (OMNEO Main Station) – debut launch from the new RTS Digital Partyline intercom product family

- **A bridge from analog to digital and IP** – Analog partyline users can enter the world of digital and IP communications while extending the working life of their legacy equipment
- **Scalable** – Available in five configurations to grow with the user's needs – upgrade via software license updates
- **Versatile** – Converts between up to four different formats: OMNEO (Dante, AES70 and more), RVON, four-wire AIO and two-wire

Burnsville, MN, Oct 19, 2020 – RTS is pleased to announce the global introduction of OMS (OMNEO Main Station), a hybrid IP/digital/analog main station for partyline intercom systems and the core component of a major new product family: RTS Digital Partyline.

Presented in a compact 1RU enclosure, OMS is a uniquely versatile and cost-effective solution capable of interconnecting both wired/wireless and IP/digital/analog devices. Full TCP/IP connectivity is supported. Whereas current systems on the market offer analog-only, digital-only, proprietary or non-Dante-compatible products, OMS encapsulates the RTS philosophy of bridging all standards and formats.

OMNEO* IP technology – incorporating Dante (audio transport), AES70 (device control) and more – allows OMS to interconnect with RTS Digital Matrix products (including ADAM, ADAM-M, ODIN, KP series keypanels and ROAMEO DECT wireless) and forthcoming new members of the RTS Digital Partyline family. OMS can therefore provide a path from legacy equipment to the latest technology, allowing users to migrate to the flexibility of an IP infrastructure without the complexity of a matrix system – all while protecting the investment value of their existing analog partyline hardware.

OMS is a communications multi-tool for a wide range of customers, including theaters, houses of worship, broadcast, AV rental, industrial facilities and entertainment/event venues. It is available in five licensed configurations to suit the user's budget and application requirements: Advanced, Intermediate and Basic digital (each with OMNEO); Analog Plus and Analog (main station options for analog-only partyline systems). Software upgrades allow for increased capacity and functionality as needs evolve. Users requiring both analog and digital should upgrade to OMS Intermediate or OMS Advanced.

All OMS configurations feature a high-resolution full-color front panel display and an intuitive icon-based menu structure to simplify system configuration and control. The panel layout will be immediately familiar to partyline users, and has dedicated color-coded controls for each channel

(talk/listen/call/volume). Each of the four button sets can be programmed to function with any destination in the system. For example, button set one does not necessarily need to control partyline one; it can be assigned as a relay, to a keypanel, etc. Three headset variants are supported. The AC power supply has a locking IEC connector, and the unit's low power draw and venting enclosure design mean that no cooling fans are necessary, saving energy and ensuring quiet operation.

Support for four ports of analog AIO four-wire, four ports of analog two-wire (equipped with echo cancellation), two program inputs and one stage announce output are included. Ethernet connectivity is via copper or fiber (for OMS Intermediate and OMS Advanced versions with OMNEO). Additional OMNEO expansion audio ports are included for networking with other OMS units, enabling additional system capacity and partyline capability as part of a distributed or multi-site system. OMS Intermediate and OMS Advanced configurations support the TIF-2000A digital telephone interface.

The fully equipped OMS Advanced version allows the user to convert between four different formats: OMNEO, RVON, four-wire AIO and two-wire. G.711, G.722 and G.729AB codecs are supported. Up to 40 OMNEO devices may be connected, including ROAMEO beltpacks (for which OMS can also serve as a standalone base station), up to eight keypanels and up to 16 partylines. OMS Advanced supports four channels of RVON (RTS Voice Over Network) via RTS KP series keypanels, for robust remote networking with other RVON-capable equipment (RVON Trunking not supported).

OMS overview video:
https://www.youtube.com/watch?v=ABfZw4VyVuc&feature=youtu.be

OMS product page: https://products.rtsintercoms.com/na/en/oms/

www.rtsintercoms.com
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***OMNEO onboard**

OMS integrates into the RTS OMNEO ecosystem, for seamless connectivity with other OMNEO-enabled devices. OMNEO is an architectural approach for connecting devices over IP to exchange information, including audio content and device control. It is built upon multiple technologies, including IP and open public standards, to support the technologies of today — such as Audinate's Dante and AES70 — while evolving with those of tomorrow.

OMNEO offers users of all levels a professional-grade media networking solution that combines interoperability, unique features for easier installation, better performance and greater scalability than any other IP offering on the market. It provides the highest levels of audio quality and synchronization whilst ensuring the lowest levels of latency – all in a highly reliable, redundant and secure set up. System, installation and maintenance costs are all kept competitively low due to the use of standard IP and IT components, infrastructure and protocols.

RTS is a committee member and driver of new standards, including SMPTE 2110, SIP, AES. RTS works with ALL industry-leading standards, protocols and connection types across its product portfolio: AES67 – AES70 – ST 2110 – VOIP – G.711 – G.722 – G.729 – Dante – 4W analog… and more.