

RTS DIGITAL PARTYLINE

DIGITAL BELTPACK AND OMNEO MAIN STATION OVERVIEW



DBP (DIGITAL BELTPACK)

NEW! The latest member of the RTS Digital Partyline intercom product family



HYBRID FUNCTIONALITY



Operate DBP in partyline mode with OMS (OMNEO Main Station) or in portable keypanel mode with an RTS matrix (ODIN/ADAM) – one device covers it all

DAISY CHAINING



Connect DBP to a PoE switch via OMS/ODIN/ADAM and up to six DBPs can be daisy chained together

USER FRIENDLY



Lightweight and ergonomic design with full-color icon-based menu navigation for quick setup and intuitive operation

OMS (OMNEO MAIN STATION)



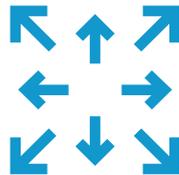
A hybrid IP/digital/analog main station for partyline intercom systems and the core component of RTS Digital Partyline

A BRIDGE FROM ANALOG TO DIGITAL AND IP



Analog partyline users can enter the world of 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

OMNEO
onboard



Converts between up to four different formats: OMNEO (Dante, AES70 and more), RVON, four-wire AIO and two-wire

DBP

DIGITAL BELTPACK

RTS Intercom Systems

DBP is a four-channel/four-button wired beltpack that runs on PoE (Power over Ethernet 802.3af and 802.3at) and connects using OMNEO IP technology (Dante, AES70 and more). Its unique hybrid design supports both digital partyline and matrix keypad modes: for use as a digital partyline device, DBP connects to an OMS; for use as a portable keypad, including functionality like point-to-point communication, DBP can be connected to any RTS digital/IP matrix product using OMNEO – including OMI cards in ADAM/ADAM-M frames or OMNEO ports on ODIN frames. DBP automatically selects the correct mode of operation (digital partyline/OMS or keypad/matrix) when connected and switched on.

I/O OVERVIEW

While its control layout will be immediately familiar to partyline users, DBP offers a user experience that will exceed expectations. Its intuitive icon-based menu navigation system is presented via a full-color, sunlight-readable TFT display with anti-reflective lens, making configuration quick yet precise for users of all levels, in any light conditions. TALK and LISTEN capability for up to four simultaneously active partylines (i.e. access to a pool of up to 16 partylines) is controlled via four large backlit channel buttons, which can also be assigned for dedicated resources such as relay control.

DBP's digital audio technology provides increased fidelity and a lower noise floor in comparison to analog. Both 3.5 mm TRRS and XLR connectors are provided for connecting headsets, with three different XLR options available: 4-pin female, 4-pin male and 5-pin female (supporting stereo audio for different feeds on the left and right headphones). Incoming CALL notifications are via audible alerts or haptic vibration.

DBP also supports Bluetooth® audio connectivity, making it easy to bring other kinds of devices into the system.



Covered USB port for Bluetooth® connectivity

GENERAL SPECIFICATIONS

Width x height x depth	3.94" x 5.51" x 2.64" (100 mm x 140 mm x 67 mm)
Weight	0.75 lbs (340 g)
Power supply	DC PoE 802.3af / 802.3at
Max power	4.0 W (based on PoE DC input)
Operating temperatures	32° F – 122° F (0° C – 50° C)
Storage temperatures	-4° F – 158° F (-20° C – 70° C) with 15% – 90% relative humidity
Compliance	CE compliant, UL certified

Please visit rtsintercoms.com for more detailed technical information

OMS

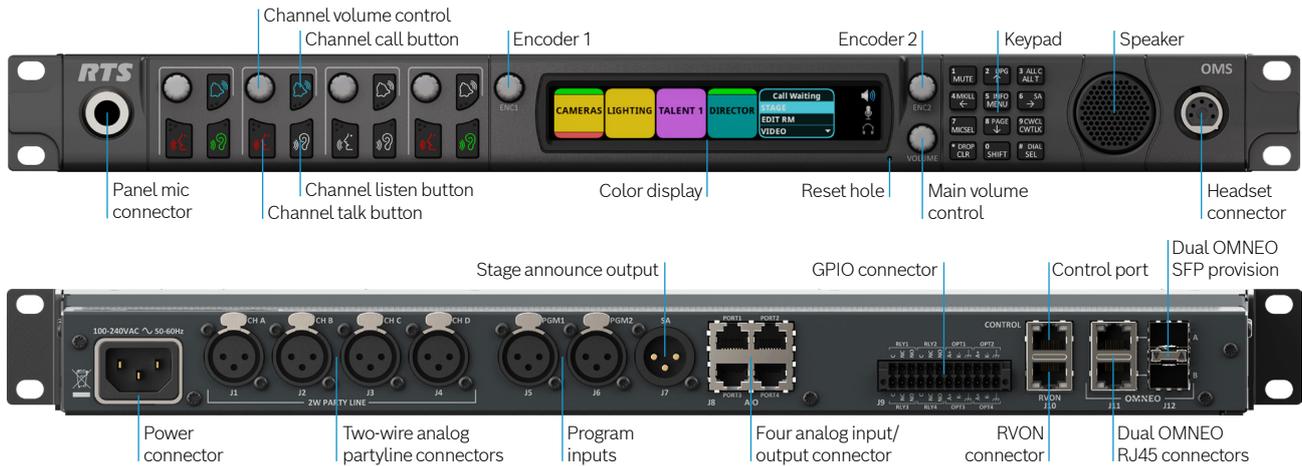
OMNEO MAIN STATION

RTS Intercom Systems

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).

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.

I/O OVERVIEW



GENERAL SPECIFICATIONS

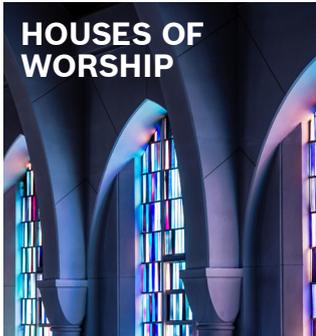
WIDTH X HEIGHT X DEPTH	482.6 mm (446.1 mm w/o rack ears) x 43.7 mm x 196.1 mm (including connectors) 19" (17.56" w/o rack ears) x 1.7" x 7.72" (including connectors)
WEIGHT	5.29 lbs (2.4 kg)
AC INPUT	100 VAC – 240 VAC, 60/50 Hz, 0.46 A / 0.24 A
MAX POWER	30 W (based on 120 VAC)
OPERATING TEMPERATURES	0° C – 45° C (32° F – 113° F)
STORAGE TEMPERATURES	-20° C – 70° C (-4° F – 158° F)
COMPLIANCE	CE compliant, UL certified, PSE

	ANALOG	ANALOG PLUS	BASIC	INTERMEDIATE	ADVANCED
DIGITAL BELTPACKS SUPPORTED	0	0	20	20	40
MAX OMNEO DEVICE CONNECTIONS	0	0	20	20	40
ROAMEO BELTPACKS SUPPORTED	0	0	0	20	40
RVON PORTS	0	0	0	0	4
KP CAPACITY	0	4 (ANALOG ONLY)	4	4	8
FIBER SUPPORT	No	No	No	Yes	Yes
ANALOG TWO-WIRE (RTS / AUDIOCOM / CC)	4	4	0	4	4
2W LOOP THRU	Yes	Yes	N/A	Yes	Yes
PROGRAM INPUTS			2		
STAGE ANNOUNCE			1		
GPI / RELAY			4 GPI / 4 relays		
2W AUTO-NULLING	Yes	Yes	N/A	Yes	Yes
NUMBER OF CONFERENCES	4	16	16	16	16
2W MIXING / ROUTING	No	Yes	No	Yes	Yes
FOUR-WIRE AIO PORTS	No	4 ports	No	4 ports	4 ports
AUDIO EXPANSION (TIE LINES)	No	8 ports	8 ports	8 ports	8 ports
BUILT-IN LINE POWERING			No		

Please visit rtsintercoms.com for more detailed technical information

RTS DIGITAL PARTYLINE

RTS Intercom Systems



ENGINEERING EXCELLENCE

Patent-pending design aesthetics make DBP comfortable and easy to use. Though lightweight and compact, the unit's robust construction ensures it is ready for the toughest working environments. DBP's over-molded ergonomic volume knobs and rubber enclosure detailing provide extra grip and drop resistance, and it is IP53 rated for protection against dust and water spray.

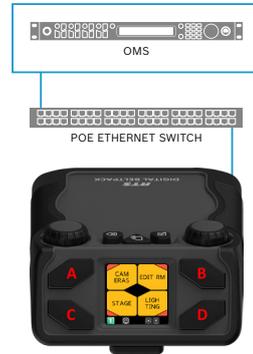


DBP COMPREHENSIVE CONNECTIVITY

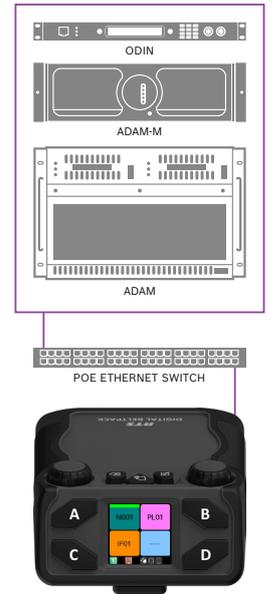
DBP's PoE-driven design gives it an unmatched level of scalability and makes it easy to add new users. In and Out PoE ports (two etherCON locking RJ45 connectors) allow up to six DBP devices to be daisy-chained together from the same PoE switch port when used in partyline mode. Up to 40 DBPs can be connected to an OMS, allowing for the creation of an extensive digital partyline system – all in addition to the other wired and wireless devices OMS supports. Depending on the matrix model/configuration, up to 64 DBPs can be connected to a single OMI card for ADAM matrices, and up to 128 DBPs can be connected to one ODIN.



PARTYLINE MODE



KEYPANEL MODE



OMNEO IP TECHNOLOGY

Incorporating Dante (audio transport), AES70 (device control) and more – OMNEO 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 COMPREHENSIVE CONNECTIVITY

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.

The fully equipped OMS Advanced version allows the user to convert between four different formats: OMNEO, RVON, four-wire AIO and two-wire. 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). G.711, G.722 and G.729AB codecs are supported.

