Digital Intercom System
Model U9110-BSW(EU)
Wireless Belt Station

On land or at sea; for facilities or mobile platforms; in harsh, noisy environments or in quiet areas over long distances; for single or multi-channel communication; with wired security and wireless mobility, the Series 9100 Digital Intercom System provides communication clarity for the working world.

The U9110-BSW(EU) Belt Station is a wireless user interface which, when linked to the U9120-W4(EU) Gateway, provides the headset user with software-enabled access to the Digital Intercom System and its connectivity to two-way radios and other common ancillaries, as well as existing networks.

With simple controls and a reliable 450 foot secure wireless range from the Gateway, the U9110-BSW(EU) provides versatile, dependable communications in a straightforward design that keeps the user on mission and in control.

P/N: 40992G-20

WHAT IT DOES...	HOW IT HELPS...
SMART VOX	SMART VOX is an automatic VOX technology that adapts to background noise in real time, while applying unique DSP algorithms to discern between noise and speech, for instantaneous and effective mic control with no manual adjustments.
Wireless system intertface	DECT protocol ensures secure wireless range of at least 450 feet between headset user and Gateway. Retains all the functionality of a wired Headset Station while adding wireless mobility (split-audio exclusive to U9110)
Durable system controls	Momentary PTT, power/selection switches provide positive actuation for system functionality, with rugged protection from harsh use conditions
Long battery life	Removeable, rechargeable Li-Polymer battery *(not included)* lasts for 24 hours of continual use, ensuring operation without loss-of-power interruptions
IP-68 sealed Headset jack	Mated or unmated, IP-68 headset jack maintains the integrity of connection to the user, with quick-release capability and reliability in all weather

Dante™

Dante™ by Audinate™ is the industry-leading digital media networking technology, affording the transport of multi-channel, ultra-high-quality voice and data over CAT5e cable. Its software-enabled network control provides a quick and simple methodology for system set-up, routing and applicable device monitoring, providing the perfect bridge for the David Clark digital communication system not only within it's own physical platform, but with other Dante™-enabled devices and standard IP networks.

U9110-BSW(EU) - Technical Data

PHYSICAL	
Weight	10 oz/280g (with battery)
Dimensions (general)	4"H 2.75"W x 1.875"D (2.5"D with belt clip)

ELECTRICAL	
Power Source (not included)	Li-Polymer rechargeable 3.7V cell, 2000mAh
Intercom/Radio/Ancillary Connection	via U9120-W4(EU) Wireless Gateway Link
Radio Connectivity	See U9102 or U9104
Auxilliary Connectivity	See U9102

USER INTERFACE FEATURES	
Headset Connection	via 8-socket locking connector (quick disconnect)
Channel/Radio/Auxiliary Device Selection	via power button toggle actuation (1-4 cycle)
Intercom Mic Actuation	Hot-mic, SMART-VOX or PTT (as programmed)
Radio Transmit Method	via momentary PTT switch, or PTT switch on headset mic boom

MECHANICAL	
Mounting Method	via 360° rotational belt clip
Enclosure Material	Polyethylene

COMPLIANCE	
	MECHANICAL
Ingress Protection	IP-66, per IEC 60529 (with battery door properly closed)
Operating Temperature	14° to 113°F (-10° to 45°C)
Storage Temperature	-4° to 140°F (-20° to 60°C) with battery; -40° to 158°F (-40° to 70°C) without battery
Aggravated Humidity	Per MIL-STD-810G
Functional Shock	Per MIL-STD-810G
Operational Vibration	Per MIL-STD-810G
Salt Fog	Per MIL-STD-810G

	ELECTRICAL
Frequency	1880MHz to 1900MHz (DECT)
Average Power Output	10mW (250mW peak)
Power Consumption / Current Draw	100mA, typical
Range	150m (500 ft) line-of-sight, typical
Carriers	10 each (1,728 kHz spacing)
Time Slots	2 x 12 (up and down stream)
Authentication	DSAA, 128b block cipher (close proximity)
Encryption	DSC, 64b stream cipher (through DSAA)
Specific Absorption Rate (SAR) Compliance	Per IEEE 1528-2003, OET Bulletin 65, RSS-102 & Safety Code 6
DECT Harmonized EN	Per EN 301 406
EMC & ERM, Short Range Devices	Per EN 300 330-1, EN 300 330-2
Electrostatic Discharge	Per EN 61000-4-2
Radiated Immunity	Per EN 61000-4-3
EMC & ERM for Radio Equipment and Services, Part 1	Per EN 301 489-1
EMC & ERM for Radio Equipment and Services, Part 6	Per EN 301 489-6
CB Scheme	Per IEC 60950

Patents: 10389884, 10237415, 10397408

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