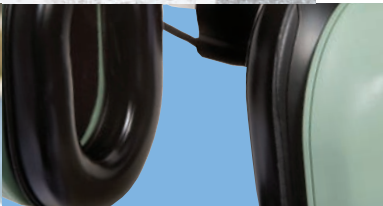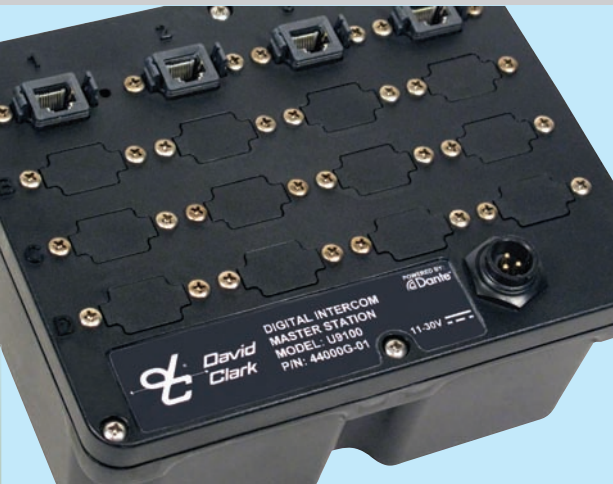Flexible functionality, versatility and reliability for critical workboat communications

DIGITAL INTERCOM
COMMUNICATION SOLUTIONS
FOR MARINE APPLICATIONS

David Clark®

WWW.DAVIDCLARK.COM

DIGITAL INTERCOM
MASTER STATION
MODEL: U9100
P/N: 44000G-01   11-30V

Multi-Functional, Flexible Digital Intercom System

Crew-to-crew communication at sea presents unique challenges – wind and engine noise disrupt communications, while corrosive marine environments wreak havoc on communication headsets and system components. The Series 9100 Digital Intercom System provides unmatched performance, durability and versatility with wired security and wireless mobility for workboat crews.

Single or multichannel programming options provide enhanced flexibility for a virtually unlimited amount of users.

The Series 9100 Digital Intercom System is the simple, cost-effective communication solution for the workboat world.

DIGITAL SERIES 9100

MASTER STATION
U9100

The U9100 Master Station is the heart of the system, providing high performance Ethernet/IP versatility and a modular approach to system interface connectivity to two-way radios and other common ancillaries, as well as existing networks.

Features

- ■ Dante™ enabled digital architecture for easily configurable voice and data networking capability
- ■ Includes one (1) each U9101 Switch Card module, providing out-of-the-box connectivity for up to four Headset Stations or Wireless Gateways
- ■ Additional card slots available for installation of up to three modules (Switch Cards or Radio/Auxiliary Cards) for expanded capabilities
- ■ Marine-grade design for outstanding durability to ensure reliable communications in the harshest marine environments
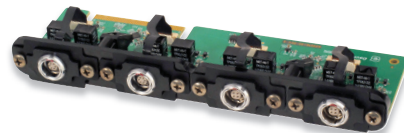
CARD MODULES

U9101 SWITCH CARD

The U9101 Switch Card is the main connection point between the U9100 Master Station and system endpoints (Headset Station and Wireless Gateway), providing all users access to the Digital Intercom network and all additional interface connections.
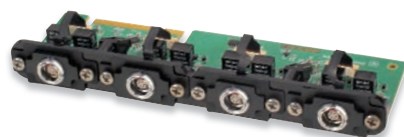

U9102 DUAL RADIO/AUX CARD

The U9102 Radio/Aux Card provides system users connectivity and software-enabled access to up to two (2) mobile radios and one (1) each of both an auxiliary input and output (e.g., music/sound sources, recording devices, PA/loudhailers and Bluetooth® adapters).

U9104 QUAD RADIO CARD

The U9104 Quad Radio Card provides system users connectivity and software-enabled access to up to four (4) mobile radios, significantly expanding interface capabilities in one efficient package.

Visit www.davidclark.com/digital for complete Master Station and module specifications

USER INTERFACE with SMART VOX

Series 9100 user interface products include a Headset Station and a Wireless Belt Station and Gateway. The user interfaces provide connectivity from the Master Station to the Headsets. All units feature **'SMART VOX'**, 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. These easy to configure and operate interfaces ensure reliable system performance and keep crew members on mission and in control.

U9110-BSW
Belt Station provides the Headset user with software-enabled access to the Digital Intercom System

U9120-W4
Wireless Gateway functions as relay for audio interface between wireless Belt Station users, the U9100 Master Station and connected ancillaries

U9110
Hard-wired user interface to the U9100 Master Station that provides the headset user with software-enabled access to the Digital Intercom System

Features

- Retains functionality of a wired Headset Station while adding wireless mobility
- Adaptive VOX algorithm provides voice recognition over ambient noise without the need for manual adjustments.
- All-weather, work-ready reliability for up to 24 hours of continual use on a fully-charged Li-Polymer battery
- EU version available: U9110-BSW(EU)

Features

- Provides wireless connectivity for up to four (4) users and a reliable range of up to 300 feet.
- Marine-grade design provides ingress protection, corrosion resistance and superior shock/vibration absorption
- EU version available: U9120-W4(EU)

Features

- Marine-grade design for ingress protection, salt fog/corrosion resistance and superior shock/vibration absorption
- Simple control array and a centrally located PTT switch (redundant to the headset mic PTT)
- **Model U9111**: Same as U9110, but with remote PTT connection

Visit www.davidclark.com/digital for complete specifications on all user interface system components

HEADSETS (ADDITIONAL MODELS AVAILABLE)

H9130
Over-the-Head style

H9140
Behind-the-Head style

H9185
Gecko™ Helmet Communication Kit

Series 9100 Digital Headsets feature an integrated momentary PTT switch conveniently located at the microphone bracket. Ergonomically positioned, the PTT switch is easy to find and utilize in the most stressful of situations, affording simultaneous mic adjustment and transmit capability.

Series 9100 Headset Features

- Variety of headset styles including Over-the-Head (OTH) and Behind-the-Head (BTH) models; dual ear, single ear, under-helmet and 'talk-through' options for virtually any communication application
- M-2H advanced microphone with fine-tuned sound pressure level sensing optimizes noise cancellation while enhancing speech clarity
- Outstanding comfort with gel/memory foam ear seals for all-weather use and enhanced noise attenuation
- Cross-compatible Headsets with quick-release connectors allow rapid changeovers between wired and wireless options for mission flexibility

Additional headset styles and models available, Visit www.davidclark.com/digital for more information

ACCESSORIES/CABLES

BATTERY CHARGER

A99-14CRG CHARGER

- Charges up to 4 each Li-Polymer batteries
- LED indicators for individual charge status
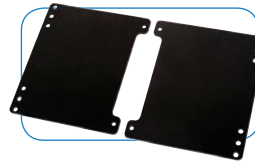- Fully charges batteries in 3-4 hours

Power Cable Kits:

- C99-14AC1 (110VAC)
- C99-14AC2 (230VAC)
- C99-14DC1 (12VDC), 20 feet
- C99-14DC2 (24VDC), with converter
- C99-14DC3 (12VDC), 10 feet

Li-Polymer batteries (P/N: 40688G-90) provide up to 24 hours continuous use when fully charged.
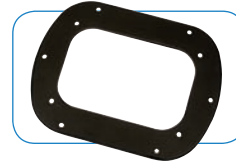
MOUNTING KITS

M9100RM RACK MOUNT KIT

- Dual-bracket, mounts lid of U9100 Master Station to EIA-310 standard 19-inch rack frames and cabinets
- Black anodized aluminum, .125" thick

M9110FM FLUSH MOUNT KIT

- Compatible with Headset Station or Wireless Gateway
- Watertight seal; marine-grade hardware included

CABLES

C91-20PW
Power Cable, 20 foot

- Connects to U9100 Master Station (11 to 30VDC)

C91-20RD
Radio Interface Cable, 20 foot

- Connects to 6-pin connector on U9102 or U9104 module
- Interfaces to analog radio signals (mic, speaker, PTT, ground)

C91-20AX
Auxiliary Cable, 20 foot

- Connects to 4-pin connector on U9102 module; 3.5mm plug on opposite end
- Interfaces to analog input/output signals from ancillary devices (additional 3.5mm jack to dual-RCA connector adapter cord included)
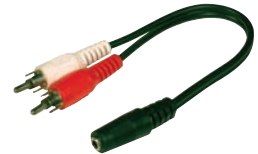
09271P-58
Network Cable, CAT5e

- Industrial cable used to connect endpoints to U9100 Master Station
- Compatible with IP-68 rated RJ-45 Field Termination Kit (13199P-66)
- Sold per foot

13199P-66
RJ-45 Field Termination Kit

- Waterproof Ethernet Plug (IP-68 rated)
- Dual-latch housing, connects to IP-68 jacks on Switch Cards and system endpoints

CUSTOMER SERVICE

We stand firmly behind our products and our customers with the most outstanding customer service and support in the industry. Our dedicated professionals strive to meet or exceed your expectations, whether answering questions about our products, warranty agreements and service policies, helping you learn how to use our products more effectively, or keeping you informed about recent developments so our technology can serve you better. Our commitment to quality, performance and total service encompasses not only our products, but the people behind them.

For more information visit **www.davidclark.com** or call our Customer Service professionals directly at **800-298-6235** (508-751-5800 outside the U.S.A.)**.**

Powered By

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 its own physical platform, but with other Dante™-enabled devices and standard IP networks.

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Made In USA