



# Digital Intercom System Model U9111 Headset 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 U9111 Headset Station is a hard-wired user interface to the U9100 Master Station that 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 its elegant and intuitive switch array, the U9111 provides versatile, dependable communications in a straightforward design that allows the headset user to focus on the mission, not on a complex control scheme.



**P/N: 44001G-02**

| WHAT IT HAS...                 | HOW IT HELPS...   |
|--------------------------------|---|
|                                | 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.    |
| IP-68 sealed Ethernet jack     | Provides out-of-the-box connectivity to the U9100 Master Station, offering superior dust and water ingress when mated for worry-free installations in the most demanding environments   |
| Marine-grade design throughout | Ingress protection, salt-fog/corrosion resistance, wide ranging temperature tolerance, and superior shock/vibration absorption to keep your system - and your crew - safe, effective and mission-ready                                      |
| IP-68 sealed Headset jack      | Mated or unmated, the IP-68 headset jack maintains the integrity of connection to the user, with quick-release capabilities for on-the-move headset reassignment to wireless belt stations  |
| Simple control array           | Software-enabled talkgroup selection switches with correlating LED indicators and a centrally located PTT switch (redundant to the headset-mic PTT) make it effortless to access system functions when seconds count                        |
| Surface or flush-mount options | Flexible installation options - while maintaining watertight integrity - provides numerous install location alternatives for facility or mobile platforms   |
| Remote PTT Connection          | Ability to connect 1 or 2 remote PTT assemblies (via C91-20RS1 and/or C91-20RS2) for programmed radio PTT actuation via hands-free footswitch or alternate assembly. Enables specialty configurations for emergency or critical operations. |



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.

# U9111 - Technical Data

| PHYSICAL                 |                                |
|--------------------------|--------------------------------|
| Weight                   | 16 oz. (454g)                  |
| Dimensions (general)     | 5.125"L x 3.75"W x 2.5" D      |
| System Connection Scheme | RJ-45 type Ethernet connection |

| ELECTRICAL             |                           |
|------------------------|---------------------------|
| Power                  | PoE (802.3af), from U9100 |
| Radio Connectivity     | See U9102 or U9104        |
| Auxiliary Connectivity | See U9102                 |

| USER INTERFACE FEATURES                  |  |
|--|--|
| Headset Connection                       | Via 8-socket locking connector (quick disconnect)  |
| Channel/Radio/Auxiliary Device Selection | Via surface buttons (numbered 1 through 4), each with multi-color LED indicators for selection/mode status (as programmed) |
| Radio Transmit Method                    | Via PTT on headset station, headset mic boom or connected remote PTT   |

| MECHANICAL         |   |
|--------------------|---|
| Mounting Method    | via M9110FM (Flush-Mount) or provided surface-mount bracket |
| Enclosure Material | Polyethylene  |

| COMPLIANCE            |   |
|-----------------------|---|
|                       | <b>MECHANICAL</b>   |
| Ingress Protection    | IP-67, per IEC 60529 as properly installed (connectors, IP68) |
| Operating Temperature | -40° to 185°F (-40° to 85°C)                                  |
| Storage Temperature   | -40° to 158°F (-40° to 70°C)                                  |
| Aggravated Humidity   | Per MIL-STD-810G  |
| Functional Shock      | Per MIL-STD-810G  |
| Operational Vibration | Per MIL-STD-810G  |
| Blowing Sand          | Per MIL-STD-810G  |
| Blowing Dust          | Per MIL-STD-810G  |
| Salt Fog              | Per MIL-STD-810G  |

|                                      |                                |
|--------------------------------------|--------------------------------|
|                                      | <b>ELECTRICAL</b>              |
| Immunity to DC Power Line Transients | Per EN 301 489-1, (ISO 7637-2) |
| Radiated and Conducted Emissions     | Per EN 301 489-1; FCC, Part 15 |
| Electrostatic Discharge              | Per EN 301 489-1               |
| Radiated Immunity                    | Per EN 301 489-1               |
| Electrical Fast Transient Burst      | Per EN 301 489-1               |
| Conducted Immunity                   | Per EN 301 489-1               |

Patents: 10389884, 10237415, 10397408



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