

**Operation Manual, Communication Headset
Model H9140-HT
(P/N 40897G-10)**



Cautions and Warnings

READ AND SAVE THESE INSTRUCTIONS. Follow the instructions in this installation manual. These instructions must be followed to avoid damage to this product and associated equipment. Product operation and reliability depends on proper usage.



DO NOT INSTALL ANY DAVID CLARK COMPANY PRODUCT THAT APPEARS DAMAGED. Upon unpacking your David Clark product, inspect the contents for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify your David Clark product supplier.



ELECTRICAL HAZARD - Disconnect electrical power when making any internal adjustments or repairs. All repairs should be performed by a representative or authorized agent of the David Clark Company.

Overview

The Model H9140-HT is an audio/communication headset for the David Clark Digital Intercom System. It operates as a standard communication headset with talk/listen capabilities, and is also equipped with hear-through functionality that allows the user to hear ambient sound outside of the headset while being worn. The headset will also limit the ambient sound amplification level to prevent hearing damage.

Operation

The H9140-HT Headset will automatically turn on when connected to a powered Series 9100 Digital Intercom system. There are three buttons on the right (non-boom) side of the headset.

System Communication Volume

There are six (6) distinct system communication volume levels. The Up button turns the communication audio and side-tone up. The Down button turns the communication audio and side-tone down. When either the top or bottom volume threshold is reached, an audio indicator tone will beep when the up or down button is pressed again (*see Table 1: Button Operations*)

Hear-through Functionality

A **short press** of the hear-through button will cycle through three different volume levels, from lowest to highest. Upon excessively loud or impact noise (e.g., munitions firing), the circuit will instantaneously clamp the hear-through level (85dB nominal.)

A **long press** of the hear-through button will turn on/off the hear-through functionality, accompanied by an audible, 4-tone chime (*see Table 1: Button Operations*)

Push-To-Talk (PTT)

There is also a tactile button on the Microphone Boom. This is a push-to-talk (PTT) switch that can be configured by the Digital Intercom system (*see Operation Manual, Series 9100 Digital Intercom System, document p/n 19549P-31, for programming options.*)




Button Symbol	Action	Reaction
Hear-through function 	Short Press	Cycle through ambient sound amplification levels <ul style="list-style-type: none"> • Single beep accompanies each level
	Long Press	Turn on/off hear-through function <ul style="list-style-type: none"> • 4-tone ascending chime: turn on • 4-tone descending chime: turn off
Up (comm volume) 	Press	Turn comm volume up <ul style="list-style-type: none"> • Single beep when maximum volume level reached
Down (comm volume) 	Press	Turn comm volume down <ul style="list-style-type: none"> • Single beep when minimum volume level reached

Table 1: Button Operation

Care and Maintenance

The H9140-HT Headset is not user serviceable. Do not attempt to open the headset. If this product requires service, please contact the David Clark Customer Service department:

- **Phone:** 800.298.6235
- **E-Mail:** servicewww@DavidClark.com
- **By Mail:** Customer Service
David Clark Company
360 Franklin Street
Worcester, MA 01604

Replacement/Spare Parts

- Microphone, M-2H (150 ohm) P/N: 09168P-76
- Screen, Wind, Mic P/N: 40062G-06
- Windscreen Cover w/ Tie P/N: 18792G-04
- Undercut Gel Earseal (pair) P/N: 40863G-02
- Support Assembly P/N: 10370G-03
- Screen, Wind, Mems Mic Kit (2 Per) P/N: 40062G-07
- *(Optional)* High-Wind Mic Cover Kit P/N: 41090G-24