

WARRANTY AND CUSTOMER SERVICE



David Clark Company aviation headsets are covered by a Five-Year Warranty. We make every effort to prevent problems and the need for repairs. In the unlikely event that you experience a problem, David Clark Company qualified representatives are available to answer your questions and provide the best Customer Service in the industry. Many repairs are covered under warranty.

Contact Customer Service:

800-298-6235

Visit our Website for more information:

www.davidclark.com/x11



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Rev. 11-06



QUICK REFERENCE GUIDE



THIS CHANGES EVERYTHING.

Congratulations on your purchase of the most comfortable noise-canceling headset available. As with all of our products, the X11 Series Electronic Noise-Canceling headsets are backed by our extraordinary customer service and support.

A guarantee made by David Clark Company assumes full responsibility for the quality and performance of the product and is supported by a policy of service to customers whereby we will respond in a prompt, positive manner to anyone who contacts us. We always appreciate feedback from our valued customers.

David Clark Company products have set standards of performance and excellence appreciated by quality-conscious pilots throughout the world. Your new X11 Series ENC headset is no exception.

We have earned a reputation for excellence; we intend to keep it by continuing to deserve your confidence.

Robert A. Vincent, *President*

ELECTRONIC NOISE CANCELLATION

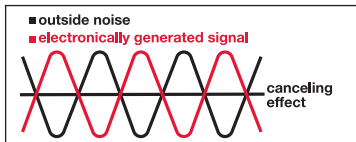
How it works.

The X11 headset features dual voice coil Electronic Noise-Canceling (ENC) technology [Patents Pending] designed for pilots of aircraft which generate noise at lower frequencies. ENC technology uses an electronically produced signal to cancel the offending noise. Once the ENC is activated from the X11 control's on/off switch, low frequency noise is sensed and an opposing signal of the same sound level is generated, resulting in the cancellation of noise before it reaches the ear.



With low frequency noise canceled, you'll hear essential communications clearly and with less strain. Improved audio comfort leads to alert and safer flying.

Fail-safe: An important feature of X11 ENC technology is true "fail-safe" operation. **Dual voice coils are electronically independent so that no interruption of communication can result from failure of the ENC system or its power source.**



HEADSET FEATURES

- 1 Intelligently engineered, low-force, dual-hinge suspension assembly provides optimum articulation and personalized fit
- 2 Super-lightweight headband, handcrafted from genuine carbon fiber for maximum strength and durability
- 3 Low profile, vented head pad eliminates hot spots for long-term comfort
- 4 Super-soft, fabric-faced, left/right contoured, gel-filled ear seals ensure maximum comfort and proper sealing
- 5 High fidelity stereo ear phones with dual volume controls (stereo/mono switchable)
- 6 Dual voice coil Electronic Noise Canceling (ENC) technology reduces pilot fatigue
- 7 Control Unit Power Options:
 - A. Two (2) AA batteries (avg. 30 hours of use)
 - B. Panel mount aircraft power supply
- 8 A. Power indicator light with auto-shutoff feature
B. Control unit features cell phone and Aux./music input (three accessory cords provided)
- 9 Noise-canceling microphone provides clear, crisp communication with one-touch positioning flex boom
- 10 Modern design provides compact storage
- 11 High quality, ballistic nylon carrying case



Patents Pending

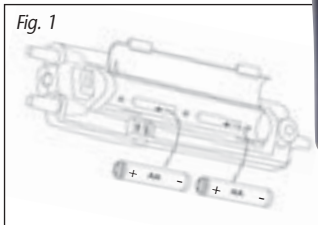


X11 SERIES CONTROL UNIT

Battery Power

The X11 runs on two (2) AA batteries – alkaline, lithium or rechargeable – average 30 hours of use under high noise conditions. Open cover and insert batteries as shown in Fig. 1.

LED Indicator Light



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POWERING THE UNIT

Model X11

Power the unit by turning the DC Power ON/OFF switch to the 'ON' position (See Fig. 2).

Flashing Green Light:

Indicates ENC is activated and battery capacity is sufficient.

Flashing Red Light:

Indicates power low and batteries are in need of replacement. Approximately two (2) hours remaining.

Model X11P

(Permanent Panel Mount)

Power the unit by turning the ON/OFF power switch to the 'ON' position (See Fig. 2).

Solid Green Light: indicates ENC is activated under aircraft power. For Model X11P, LED light stays solid green (no flashing) when power is 'ON'.

Note: Batteries are not required if utilizing panel mount option. However, if batteries are installed, the auto-shutoff switch in the battery compartment of the control unit should be in the 'ENABLED' position (See Fig. 2) to prevent battery drain once the aircraft power is turned off.

Fig. 2 Auto-Shutoff Switch



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Control Unit Features

1. Fail-Safe Headset. If batteries are dead or the unit is turned off, microphone and earphones will function when connected to aircraft intercom.
2. The X11 headset is shipped with the Auto Shutoff feature disabled. In this mode, the headset will function whenever the 'ON/OFF' switch is set to 'ON'.
 - Auto Shutoff can be enabled via a small switch located under the batteries
 - LED will flash GREEN when ENC power is on and operating properly
 - Flashing RED light indicates low battery power/time to change batteries
 - All features continue to function in auto shut-off mode when 'ON/OFF' switch is 'ON' and
 - Headset is connected to the aircraft intercom OR
 - Cell phone is connected and active
3. Auxiliary Audio (Interface to cell phone or stereo source)
 - Control Unit features a 3.5mm, 4-contact jack to accept external audio inputs
 - A choice of any of the three provided custom cords allows interface to standard stereo sources (MP3, iPod or CD players) and cell phones.
Note: Cords are color coded: (Gray) standard cell phone adapter; (Black) Nokia cell phone adapter; (White) aux. audio/music input. The straight plug on each cord is always installed into the control unit. Volume must be adjusted by external audio source and is NOT controlled by volume controls on headset.
 - Cell phone interface via standard 2.5mm, 3-contact, stereo plug (right angle) OR 2.5mm, 4-contact plug (right angle). (See cell phone operating instructions to select the appropriate cable for your phone.) Cell phone audio is supplied to both earphones, independent of stereo/mono select switch on control unit.

Control Unit Features (Continued)

4. External Audio Management
 - Aux/stereo audio is muted upon receipt of comm. audio to ensure integrity and clarity of voice communications. Any voice on the intercom will cause external audio to mute during the conversation and approximately 1-2 seconds upon conclusion of the conversation
5. Cell Phone Interface
 - Cell phone conversation does not mute during receipt of Comm. Audio
 - All intercom parties hear cell phone outbound audio but cell phone recipient's voice is heard only by the headset connected to the cell phone
 - Sidetone is present when connected to aircraft intercom. Sidetone may not be (dependent on cell phone functionality) present when using the headset and cell phone when not attached to the aircraft intercom
6. Auto-shutoff feature:
For battery power (X11 Model) operation, switching the auto-shutoff to the 'ENABLED' position will shut down the control unit if ENC power is accidentally left 'ON' after flight to prevent battery power drain.
For permanent panel mount (X11P Model) operation, the auto-shutoff should be switched to the 'ENABLED' position to prevent optional battery power drain after the aircraft power has been turned off. X11P control unit will function, without batteries, if connected to aircraft.
7. When X11 or X11P headset is used outside the aircraft:
 - Cell Phone feature is operational
 - Aux. music feature operational with auto-shutoff in 'DISABLED' position



AUDIO PERFORMANCE IN VARIOUS OPERATION MODES

Connected to aircraft intercom:

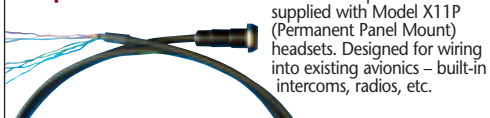
Aircraft Intercom	AND	Cell Phone	OR	Aux Audio
<ul style="list-style-type: none"> • Sidetone provided by aircraft intercom. • Intercom squelch and receive volume control function normally. • Receive volume controlled by dome volume controls. • Fail-safe communication independent of ENC and/or battery status. • Auto-shutoff functional (if enabled). 		<ul style="list-style-type: none"> • Sidetone provided by aircraft intercom. • Headset Mic audio to cell phone heard on aircraft intercom. • Cell phone receive audio is isolated from aircraft intercom. • No audio mute function. 		<ul style="list-style-type: none"> • This audio is muted upon receipt of any communication audio. • Mute delay is approximately 1.5 seconds after communication channel is quiet.

Not connected to aircraft intercom:

Cell Phone	OR	Aux Audio
<ul style="list-style-type: none"> • Batteries required for operation. • Auto-shutoff functional (if enabled). • Receive audio heard in both ears, independent of comm. audio mono/stereo select. • No sidetone but some cell phones provide sidetone. • Performs identical to any cell phone headset. 		<ul style="list-style-type: none"> • Batteries required for operation. • Auto-shutoff must be disabled intercom. • True stereo audio.

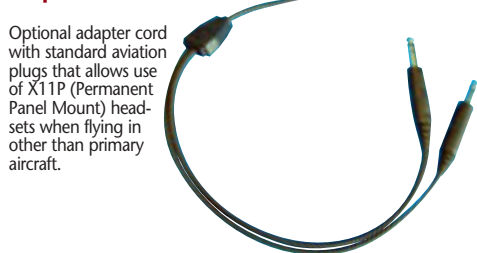
X11P (Panel Mount) ADAPTER CORDS

Adapter Cord P/N 40998G-05



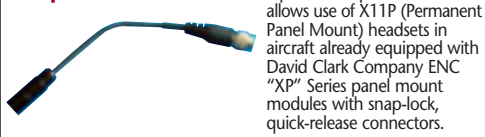
Standard adapter cord supplied with Model X11P (Permanent Panel Mount) headsets. Designed for wiring into existing avionics – built-in intercoms, radios, etc.

Adapter Cord P/N 40998G-02



Optional adapter cord with standard aviation plugs that allows use of X11P (Permanent Panel Mount) headsets when flying in other than primary aircraft.

Adapter Cord P/N 40998G-03



Optional adapter cord that allows use of X11P (Permanent Panel Mount) headsets in aircraft already equipped with David Clark Company ENC "XP" Series panel mount modules with snap-lock, quick-release connectors.

PROPER FIT

The advanced suspension system of the X11 is designed to provide a simple yet comfortable, personalized fit. Proper fit is also essential to noise attenuation effectiveness. Put on headset so that the head pad lightly touches the top of the head (*Fig. 1*). Adjust the suspension for desired fit by sliding the assembly up or down (*Fig. 2*). To adjust microphone placement, adjust boom up or down and bend the flex boom elbow until the microphone is approximately 1/8" from the lips for clear communication.



Fig. 1



Fig. 2

CONTOURED EAR SEALS



Ear seals are left/right contoured and marked accordingly on the back side. Ergonomic design fits the shape of the ear. Contoured shape provides snug, comfortable fit. Fabric-faced ear seal surface adds comfort and absorbs perspiration.

NOTE: Contoured ear seals on the X11 are left/right specific. Therefore, if you rotate the microphone boom 180 degrees to accommodate your preference, it will be necessary to also switch your ear seals from side to side for proper sealing and performance.



FREQUENTLY ASKED QUESTIONS

1. Why can I only hear on one side?

Your headset is stereo compatible but the aircraft is not. The stereo/mono switch is located on the underside of the control unit. If you slide the switch to the "M" setting, you will be able to hear in both ears.

2. What is the expected battery life?

Two (2) AA alkaline batteries, up to 30 hours, greater duration with lithium AA or rechargeable NiMH AA batteries.

3. Will the headset function if the control unit batteries are drained?

Yes, because of fail-safe design, the headset will continue to operate offering passive attenuation and two-way communication when connected to an aircraft intercom.

4. Will the headset function with ENC in the 'OFF' position?

Yes, it will function as a passive noise-attenuating headset in the 'OFF' position.

5. How can I tell if ENC is activated?

A green indicator light will appear on the control unit and you will notice improved noise-attenuation.

6. Can the head pad and ear seals be removed and cleaned?

Yes, the head pad and ear seals can be removed from the headset for cleaning with mild soap and water, then dry thoroughly.

7. When not connected to the aircraft, will the LED light illuminate when the control unit is 'ON'?

If the headset is not connected to the aircraft intercom and auto-shutoff is 'ENABLED', the LED indicator light will flash once to indicate unit is 'ON'.

For additional FAQs visit www.davidclark.com/x11

X11 SERIES SPARE PARTS



Ear Seals (Pair)
P/N 40977G-03



Microphone Cover
P/N 40062G-03



M-77 Microphone
P/N 09168P-35



Head Pad
P/N 15855P-02

