



G2 Active

Aviation Headset

User Guide

Greetings.

Congratulations on your purchase of the Faro® G2 Aviation Headset. This product has been meticulously designed by Faro engineers in San Jose, California to bring you years of quiet, comfortable, and enjoyable flights.

Here at Faro, we live and breathe aviation. We love pilots, planes, and just about everything aviation has to offer.

We encourage you to visit www.FaroAviation.com where you will find free videos, tutorials, and articles from some of the best flight instructors in the world.

Your headset is backed by an amazing warranty. Please feel free to reach out to Faro for any questions and we always appreciate your feedback.

Thank you for choosing Faro as your aviation headset.

Sincerely,
The Faro Team

Contents.

Getting Started

Advisories.....	4
Support	5
Adjusting your head pad.....	6
Adjusting your microphone.....	7
Battery Type	8
Battery Life.....	8
Battery Installation	9
Controller Reference	10
Turning it ON	10
Power Status.....	10

Using your G2

Active Noise Reduction (ANR).....	11
Stereo / Mono Setting	12
Adjusting Volume.....	13
Auxiliary Audio	14

Good to know

Pro Tips	15
Common Questions.....	16
Technical Specifications	18
Warranty	19
Registration	21
Connect with Faro.....	21

Getting Started.

Advisories.

Please read the information in this booklet carefully and completely before using your headset. Keep these instructions and make them easily accessible to all other users. Always include this booklet when giving this headset to third parties.

In an unlikely event of a problem with your headset, it is recommend to switch to an alternate communication method and to use standard cockpit resource management skills to minimize distraction.

Your aircraft sounds such as engines, propellers, warning alarms, and other sound sources may sound differently when using a new headset.

When listening to an audio source via your Faro G2 headset, please limit the volume to safe levels to ensure you are able to hear communication and warning alarms from your aircraft.

Do not attempt to disassemble or service inside of the ear cups or others parts of the headset. This will void your warranty and may result in unexpected performance of your headset.

Support.

Your FARO® headset is covered by a Three-Year Replacement Warranty and is eligible for Life-time Tear and Wear Protection Plan.

In an unlikely event that you experience any issues with your headset, please contact FARO® priority customer service to promptly receive troubleshooting tips or replacement.

USA Priority Customer Service:
1-855-359-3276

International Customer Service:
1-703-286-2700

Pilot Support Email:
Team@FaroAviation.com

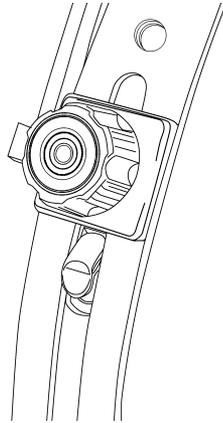
Visit us online at:
www.FaroAviation.com

Getting Started.

Adjusting your head pad.

Adjustment for a personalized fit on the G2 is simple and easy. Proper fit is important both for comfort and optimal noise reduction.

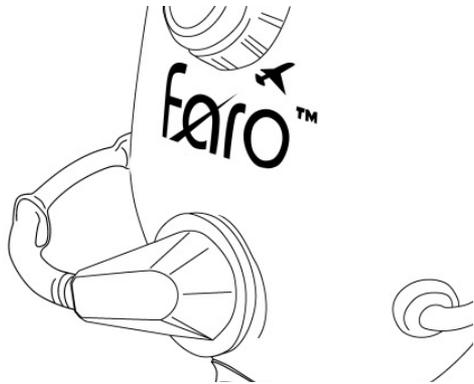
1. Loosen the thumb knobs on the headset rails.
2. Place the headset on.
3. Adjust the pressure by moving the ear cups up or down so it is completely over your ear. It should produce an even, gentle pressure all around each ear.
4. Tighten the thumb knobs when appropriate fit is found.



Adjusting your microphone.

G2 microphone can be rotated to be placed on the right or the left side of the headset.

To adjust the microphone placement, rotate the microphone from its base and bend the flexible boom.



For clear and crisp communication, the microphone should be placed approximately 1/8" from the lips.

Getting Started.

Battery Type.

Faro G2 requires two AA batteries. Use Alkaline batteries from trusted brands for best performance. Rechargeable batteries are discouraged because they provide an uneven voltage power which interferes with ANR.

Your G2 headset will continue its basic operations of hearing and transmitting without batteries.

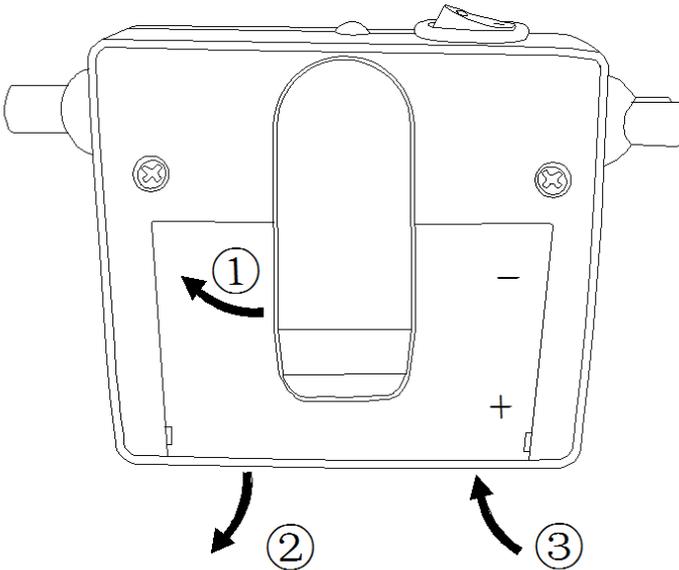
Please do not mix old and new batteries together.

Battery Life.

A set of brand new Alkaline batteries can provide up to 30 hours of battery life. However, the exact duration depends on the amount of noise reduction required in your cockpit. To maximize battery life, turn off ANR when headset is not in use.

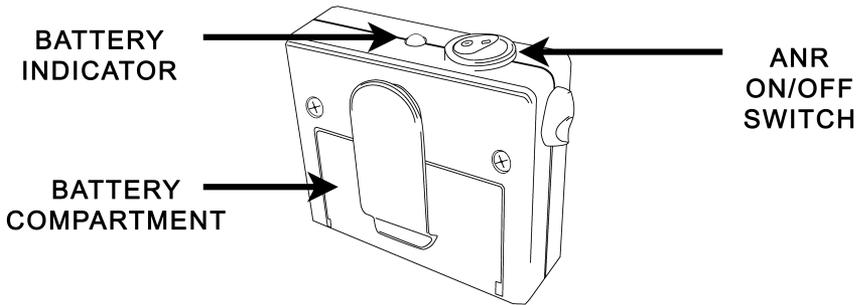
Battery Installation.

To open the battery compartment door, press firmly down and out as shown in figure below.



Getting Started.

Controller Reference.



Turning it ON.

Insert two AA batteries in the battery compartment.

Press the ANR ON/OFF Switch to turn the unit on.

“I” indicates ON and “O” indicates OFF. A Green LED light indicates ANR has been turned on.

Power Status.

- Indicates Green when battery supply is strong.
- Indicates Orange when battery is low.
- Indicates Red when battery is very low.

Using your G2.

Active Noise Reduction (ANR).

FARO® G2 ANR headset uses state-of-the-art engineering to make your flight quieter and your in-flight communications clear and crisp.

Once the ANR power switch is activated, the G2 reduces unwanted ambient noise in the cockpit through Active Noise Reduction (ANR). This is done by placing a microphone inside the ear cup and generating an “anti-noise” signal through the speakers. The anti-noise and the ambient noise will cancel each other before they reach the ear resulting in a quieter flight environment.

Through this technology, low frequency ambient noise is significantly reduced and you can hear the important communication in a clear, crisp manner.

G2 will continue to operate as a standard aviation headset should the ANR become inactive for any reason such as low or no battery power.

Using your G2.

Stereo / Mono Setting.

Whether you should use Mono or Stereo setting depends on your aircraft's avionics. Incorrect setting will result in communication being heard in only one side. Stereo / Mono setting does not effect the audio from your auxiliary sources.

For most general aviation planes, Mono setting is required.

To change this setting, please remove the battery compartment door and any installed batteries.

You will find the small Mono / Stereo switch above the battery area.

Adjusting Volume.

On top of each ear cup, you will find a volume knob. Each ear cup's volume can be independently adjusted.

The overall headset volume will be determined based on the settings on the headset as well as the aircraft's intercom or radio.

Caution: Avoid setting the volume levels too high.

Exposure to loud sounds may cause hearing damage.



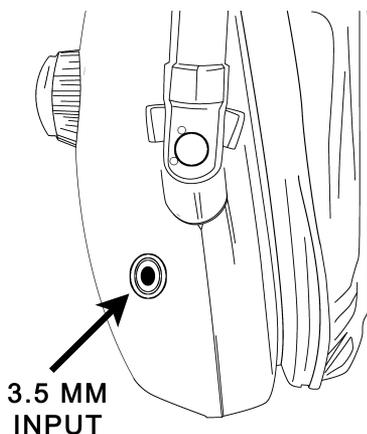
Using your G2.

Auxiliary Audio.

Your G2 headset can be connected to an external audio source such as a portable audio device or a GPS via the provided 3.5 mm cable.

You will find the auxiliary input on the opposite ear cup that holds the microphone.

Tip: Be sure to have the auxiliary audio at a volume that ensures you do not miss any important communications or aircraft sounds.



Good to know.

Pro Tips.

- Ensure G2 is fitting you properly by reviewing adjustments on page 6. Ear seals should be centered over the ears for best performance.
- Position the microphone in front of your lips for maximum noise cancellation.
- Set Mono / Stereo setting to match your airplane's avionics. For most planes, this would be mono. If set to the incorrect setting, audio will be lost in one ear.
- To maximize battery life, switch ANR to OFF when headset is not in use.
- Register your headset on FaroAviation.com for your warranty, product updates, and more.

Good to know.

Common Questions.

Why can I hear in only one side?

Your G2 headset is compatible with both Stereo and Mono aircraft avionics. If your headset is set to the incorrect setting for your aircraft, hearing will be lost in one side. Refer to page 12 for additional information.

Where can I purchase parts for my G2 headset?

Accessories can be purchased from Faro's authorized dealers or by visiting www.FaroAviation.com.

What is the best way to store the headset?

Please remove the batteries before storing the headset for a prolonged period. Store your headset in a ventilated area away from direct sunlight.

Why do I hear a loud noise when ANR is turned on?

Please replace your batteries with brand new Alkaline set. Low quality batteries can provide uneven voltage.

Why do I need to yell to activate the microphone?

Your avionics' squelch setting must be adjusted. It is common for every pilot to change the squelch setting just like adjusting the volume. Please consult someone who is familiar with your airplane's avionics if you cannot locate the squelch knob or button.

What if I have other questions?

FARO Pilot Support is here to help. Please use one of the following channels to contact us:

Online: www.FaroAviation.com

E-mail: team@faroaviation.com

Priority Customer Service: 1-855-359-3276

Good to know.

Technical Specifications.

General

Battery power supply: 3V, two AA batteries
Operating Temperature: -4 to 94 F / -20 to 70 C
Storage Temperature: -31 to 167 F / -35 to 75 C
Cord Length: 150 cm
Weights: 20oz / 570g

Headphone

Type: Dynamic
Frequency Response: 50 Hz-20 kHz
Sensitivity: 95±5 dB SPL

Microphone and Amplifier

Type: Noise-canceling Electret
Frequency Response: 100Hz to 5 kHz
Operating Voltage: 8-32 VDC
Matching Impedance: 150-1000 ohms
Sensitivity: -33±4 dB

Active Noise Reduction

Main Attenuation Frequency Band: 20Hz~650Hz
Power Consumption: 30 mW

Warranty.

Product Warranty.

3-YEAR LIMITED WARRANTY FOR NEW HEADSETS SOLD BY FARO AVIATION.

Faro Aviation, LLC ("Faro Aviation") warrants that the new aviation headset sold by Faro Aviation ("New Headset") is free from all material defects in workmanship and materials. For the New Headset, all warranties provided by Faro Aviation and all implied warranties imposed by law are limited to a 3-Year period, beginning on the purchase date shown on the New Headset's sales receipt ("Warranty Period"). This 3-Year Limited Warranty ("Limited Warranty") is provided solely for the benefit of the initial purchaser of the New Headset ("Purchaser"), and it excludes all 3rd parties, including distributors, dealers, retailers, subsequent owners, and other users of the New Headset. This Limited Warranty is not assignable and remains in full force and effect during the Warranty Period, but only if the New Headset: (a) has been properly maintained; (b) has not been abused or misused; and (c) has not been repaired, altered, or modified without Faro Aviation's approval. This Limited Warranty specifically excludes all taxes, shipping costs, and problems relating to any: (1) repair, alteration, or modification not approved by Faro Aviation; (2) abuse or failure to properly maintain the New Headset; (3) faulty workmanship by any person, except Faro Aviation or its approved agent; (4) operation of the New Headset, except as specified in its operating manual; (5) ordinary wear and tear; or (6) finish and appearance item. For each claim made under this Limited Warranty ("Claim"), Purchaser must, within 10 days of discovering a New Headset problem indicating a breach of this Limited Warranty, deliver to Faro Aviation a written notice that explains in detail the New Headset's specific defect, that shows proof of Purchaser's purchase of the New Headset before the end of the Warranty Period, and that shows proof that this Limited Warranty applies to the New Headset. Faro Aviation or its agent may investigate any Claim. Faro Aviation or its agent may investigate any Claim. For each Claim, Faro Aviation may, in its sole discretion, choose any of the following exclusive remedies: (I) repair or replace the New Headset or any part thereof with same or similar Headset, without charge to Purchaser, but first Purchaser must return the New Headset to Faro Aviation's authorized repair facility, pre-paying all shipping charges, and Purchaser must accept the same as repaired or replaced at the facility's location (i.e., FOB the facility) within 10 days of the date of Faro Aviation's completion notice sent to Purchaser, or else Faro Aviation will deem the New Headset abandoned, in which case Faro Aviation may keep, sell, or otherwise discard it; or (II) refund the New Headset's purchase price to Purchaser. Without paying any amount to Purchaser, Faro Aviation may keep, sell, or otherwise discard all replaced New Headsets and parts thereof and all New Headsets where Faro Aviation has refunded the purchase price to Purchaser. In repairing or replacing any New Headset, Faro Aviation may, in its sole discretion, use new, used, or reconditioned parts or provide a refurbished used headset as a replacement. In connection therewith, Faro Aviation warrants that all new, used, or reconditioned parts or refurbished used headsets will be free from all material defects in workmanship and materials during the Warranty Period and for a period of up to 90 days thereafter, but only to the extent that such event occurs during the final 90 days of the Warranty Period. Faro Aviation may, in its sole discretion, (i) establish separate, additional, non-warranty repair and replacement programs for any new or used headset ("Non-Warranty Service Programs"), (ii) the Non-Warranty Service Programs may cover any time period, before or after any Warranty Period has expired, and (iii) charge any amount and impose any term with respect to any Non-Warranty Service Program. For Non-Warranty Service Programs, Faro Aviation warrants that all new, used, reconditioned, or refurbished parts and headsets used to repair or replace any headset will be free from all material defects in workmanship and materials, but only for a limited period of 90 days thereafter. Purchaser acknowledges that used or reconditioned parts may be used to repair any new or used headset, and that a refurbished used headset may be provided as a replacement for any new or used headset.

Warranty.

Faro Aviation may hire a 3rd party to repair or replace any new or used headset. "Including" means "including, but not limited to."

THE TERMS IN THIS DOCUMENT ARE THE ONLY TERMS THAT GOVERN FARO AVIATION'S WARRANTY OBLIGATIONS FOR ANY NEW OR USED HEADSET OR PART THEREOF. NO ORAL OR OTHER WRITTEN TERM APPLIES. THIS DOCUMENT PROVIDES THE EXCLUSIVE REMEDY FOR ALL CLAIMS AGAINST FARO AVIATION WITH RESPECT TO ANY NEW OR USED HEADSET OR PART THEREOF. NOTWITHSTANDING ANY PROVISION TO THE CONTRARY IN THIS LIMITED WARRANTY, FARO AVIATION RESERVES THE RIGHT TO MODIFY, AT ANY TIME AND FROM TIME TO TIME IN ITS SOLE DISCRETION, ANY AND ALL TERMS IN THIS LIMITED WARRANTY. EACH SUCH MODIFICATION IS DEEMED EFFECTIVE UPON PUBLICATION ON FARO AVIATION'S WEBSITE OR OTHERWISE.

TO THE EXTENT ALLOWED BY LAW: FARO AVIATION DISCLAIMS AND PROVIDES THIS LIMITED WARRANTY IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FARO AVIATION IS NOT LIABLE FOR CONSEQUENTIAL, INCIDENTAL, PUNITIVE, INDIRECT, SPECIAL, LOST PROFITS, OR SIMILAR DAMAGES CLAIMED UNDER ANY STATUTE OR LEGAL OR EQUITABLE THEORY. FARO AVIATION'S TOTAL LIABILITY FOR ALL CONTRACT, TORT (INCLUDING NEGLIGENCE), STATUTORY, OR OTHER CLAIMS ARISING FROM OR RELATING TO THIS LIMITED WARRANTY OR ANY HEADSET OR PART THEREOF IS LIMITED TO \$1,000. SOME STATES DO NOT ALLOW THE LIMITATION OF CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MIGHT NOT APPLY TO PURCHASER. THIS LIMITED WARRANTY GIVES PURCHASER SPECIFIC LEGAL RIGHTS, AND PURCHASER MIGHT HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

FOR PURCHASERS IN CALIFORNIA: PURCHASER HAS THE RIGHT TO HAVE THE NEW HEADSET SERVICED AND REPAIRED DURING THE WARRANTY PERIOD. THE WARRANTY PERIOD WILL BE EXTENDED FOR THE NUMBER OF WHOLE DAYS THAT THE NEW HEADSET HAS BEEN OUT OF PURCHASER'S HANDS FOR WARRANTY REPAIRS. IF A DEFECT EXISTS DURING THE WARRANTY PERIOD, THIS LIMITED WARRANTY WILL NOT EXPIRE UNTIL THE DEFECT HAS BEEN FIXED. IF ANY WARRANTY REPAIR HAS BEEN DELAYED BECAUSE OF CIRCUMSTANCES BEYOND PURCHASER'S CONTROL, OR IF ANY WARRANTY REPAIR DID NOT REMEDY A DEFECT AND PURCHASER NOTIFIES FARO AVIATION OF SUCH FAILURE WITHIN 10 DAYS AFTER THE REPAIR, THE WARRANTY PERIOD WILL BE EXTENDED FOR A PERIOD EQUAL TO THE DURATION OF THE DELAY. IF, AFTER A REASONABLE NUMBER OF ATTEMPTS, THE DEFECT REMAINS UNFIXED, PURCHASER MAY RETURN THE NEW HEADSET FOR REPLACEMENT OR REFUND, SUBJECT TO A REASONABLE DEDUCTION FOR PURCHASER'S USE OF THE NEW HEADSET. ANY EXTENSION OF THE WARRANTY PERIOD DOES NOT AFFECT ANY PROTECTION OR REMEDY AVAILABLE TO PURCHASER UNDER APPLICABLE LAW.

GOVERNING LAW: This non-transferable limited warranty shall be governed by the law of the State of California, U.S.A., and by the laws of the United States of America, excluding their conflicts of laws principles. Furthermore, the United Nations Convention on Contracts for the International Sale of Goods is hereby excluded in its entirety from application to this non-transferable limited warranty. Jurisdiction and venue shall be exclusive to the courts of Santa Clara County, California.

Warranty service conditions are subject to change without notice. Please refer regularly to the latest warranty terms and conditions, and additional information regarding FARO Aviation Limited Warranty, at www.faroaviation.com or its related brands or products. Send All Correspondences to: FARO Aviation, PO BOX 1116, Campbell, CA 95009, or via email at contact@faroaviation.com.

Registration.

Product Registration.

Please register your headset at www.FaroAviation.com for warranty, product updates, and access to free pilot resources from experienced certified flight instructors.

Connect with Faro.

- Twitter
www.Twitter.com/FlyFaro
- Facebook
www.FaceBook.com/FAROAviation
- Instagram
www.Instagram.com/FlyFaro
- YouTube
www.YouTube.com/user/FAROAviation

Copyright © 2016. Faro Aviation, LLC. All Rights Reserved. Faro is a registered trademark of Faro Aviation, LLC. Bluetooth is a registered trademark of the Bluetooth SIG.

