



# QFR XCC

## User's Guide

Thank you for purchasing our QFRXCC ANR headset. Based on hundreds of hours of test flying and a wide range of pre-production evaluations, we are confident you will find it to be one of the most comfortable ANR headsets you have ever owned. The QFRXCC interfaces with your aircraft communication equipment through the standard two plug configuration and is compatible with a wide range of radios and intercoms. The following is an overview of the features/controls and a few of the fit/function differences that make this product unlike any other headset you've ever owned.



**We Recommend Alkaline AA Batteries.**  
**Non-Alkaline Batteries Decrease Available Operation 40% to 70%.**

**CAUTION:** The FCC only allows the use of a cell phone within the cockpit when the plane is on the ground. By offering the cell phone interface on the control box, LightSPEED Aviation does not promote the use of your cell phone while in the air. If you choose to use your cell phone in the air, you do so in violation of FCC rules and at your own risk. The FAA has no position on the use of cell phones either while on the ground, or in the air. However, it is the duty of the pilot in command to be sure that electronic devices used in the plane do not conflict with the proper operation of the aircraft or its systems.

**We don't promise that this will work with all phones. Contact LightSPEED if yours does not.**

## Battery Control Box

All controls for the unit are contained in a small, inline audio control box. This should make it easy to locate, even if it's on the floor next to your intercom.

- 1 Active Cancellation ON/OFF Button**  
This button, when depressed, will activate the active circuitry in each dome for canceling low frequency ambient sound. It functions with a Push "ON", Push "OFF" motion. A green flashing light indicates "ON".
- 2 Battery Status Indicator**  
When the active circuitry is "ON" the LED button will flash green. When battery power falls to 10% capacity for powering the ANR circuit the LED button will change to flashing red indicating you have 2 hours or less of battery power to run the ANR system.  
**NOTE: Should batteries expire, the headset will still function with Audio and Comm. The ANR and the AUX Audio will no longer operate.**
- 3 Dual Volume Controls**  
These controls provide separate volume levels in each ear cup. Move the slide switches up and down to change the volume levels.
- 4 Aux Audio Input**  
The Aux Audio input allows you to plug in personal audio devices such as Portable CD Players, MP3 Players, Audible Checklists or Cell Phones. Your headset is supplied with a 2.5mm patch cord, the evolving standard for hands free headsets in the cell phone market. This patch cord will plug directly into most phones. If yours does not, please go to [anrheadsets.com](http://anrheadsets.com) to see about an adapter.
- 5 Battery Test**  
By pressing the battery test button the battery status indicator light will show Green for good battery, or Red for 10% or less power left to run the ANR circuit.
- 6 MONO/STEREO Control**  
Your QFR headset can be used compatibly with either a Monaural or Stereo intercom system. With the slide switch in the right position, it is Monaural. When moved to the left, it is in Stereo. **If you are only receiving audio in one ear, move the slider to the right.**
- 7 Comm Priority**  
Turning "On" Comm Priority will automatically mute 80% of the auxiliary audio signal. This allows the user to clearly hear radio intercom communications above any auxiliary audio in use. Positioning the switch to the right turns Comm Priority "On", to the left turns Comm Priority "Off".

## Ear Shape / Size and the Opening of the Ear Seal

The seal opening is designed to fit comfortably around most ears. Care should be taken to make sure each ear is completely inside the seal...not pinched underneath! If necessary, adjust the domes slightly to make sure the ear lobes are tucked up inside the ear seals. With the ears fully enclosed, the domes can deliver maximum comfort and attenuation.



Fig. 1

## Height Adjustment

Optimal fit is achieved by:

- (1) Getting your ears positioned INTO the dome as described above.
- (2) Holding either dome with one hand, slide the dome up the stirrup rails until domes are slightly above your jawbone.
- (3) Repeat this for the other dome. When completed, there should be just a slight upward pressure on the bottom of your ear lobe.

## Mic Positioning

The microphone element has a front and a back. Speak into the side that says 'TALK' (see Fig. 1). The microphone is positioned for use on your left side. If reversed to come from the right side, twist the microphone housing 180° to position the 'TALK' side in front of your mouth. The back side has an adjustable 'GAIN' pot. It is preset at our facility for optimal performance. Should you need to adjust the output, contact LightSPEED Aviation, Inc.

### THREE YEAR LIMITED WARRANTY TO ORIGINAL PURCHASER

The LightSPEED QFRXCc Aviation Headset is guaranteed against malfunction due to defects in materials and workmanship for a period of 3 years, beginning at the date of original purchase. If such a malfunction occurs, the product will be repaired or replaced (at our option) without charge during the period and under the limitations stipulated in the data sheet or owner's manual (if any) for that individual product. If delivered prepaid to the LightSPEED warranty service center, the unit will be returned prepaid. Warranty does not extend to finish, appearance items, or malfunctions due to abuse or operation other than specified conditions, nor does it extend to incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than LightSPEED or its authorized service agencies will void this guarantee. Information on authorized service agencies is available from LightSPEED Aviation.



[www.anheadsets.com](http://www.anheadsets.com)

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