# Bose® Aviation Headset X
# Portable Control Module

Thank you for purchasing the portable control module for use with your Bose Aviation Headset X.

Please note that the instructions that follow may vary according to your headset's date of manufacture.

⚠ ***CAUTION:*** *Please read all information in this guide before attaching the portable control module to your headset. Be sure to test your headset and control module before in-flight use.*

### *Decide where you want the boom microphone*

You can attach the boom microphone cable to either earcup, as preferred. Before you remove or attach the microphone, however, be sure to note the important markings for left (L) and right (R) above each earcup. These markings indicate which ear each earcup is intended to fit over.

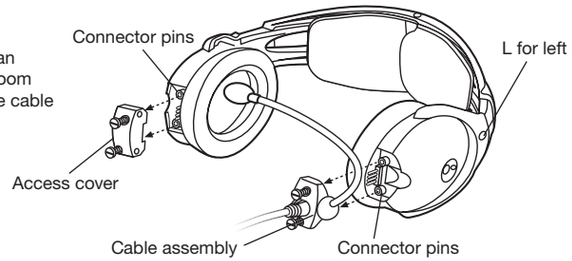
### *Removing an attached boom microphone cable*

1. Use a flat-tipped screwdriver to loosen the two screws at the base of the boom microphone cable assembly.
2. Pull the cable assembly straight out from the earcup to which it is attached (Figure 1).

⚠ ***CAUTION:*** *Do not twist the boom microphone cable while disconnecting it. Twisting can damage the connector pins.*

**Figure 1:**

Removing an attached boom microphone cable



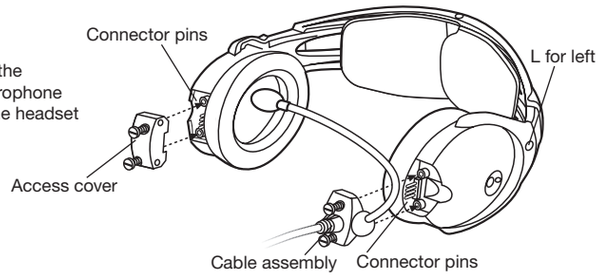

### *Attaching the boom microphone cable*

***Note:*** *Before you attach the boom microphone cable, make sure the cable connector and its earcup connector are clean and free of debris.*

1. Use a flat-tipped screwdriver to loosen the two screws on the access cover near the bottom of the earcup where you want to attach the boom microphone.
2. Remove the cover to reveal the connector pins on the earcup.
3. Carefully line up the connector to the small connector pins on the panel (Figure 2).

**Figure 2:**

Attaching the boom microphone cable to the headset




⚠ ***CAUTION:*** *An improperly aligned connector will not make the connections necessary for proper operation, and may cause damage.*

4. Press the assembly onto the connector pins until it is fully engaged and the cable assembly is flush with the earcup.

⚠ ***CAUTION:*** *Do not apply excessive force, which may result in earcup damage.*

5. With the screw threads properly aligned, tighten the screws.
6. Rotate the microphone boom into position so it will be near your mouth when you put on the headset. The label should be facing your lips.
7. Attach the access cover to the connector panel on the earcup that does not have the boom microphone attached. Align the screws and tighten them to secure the cover.

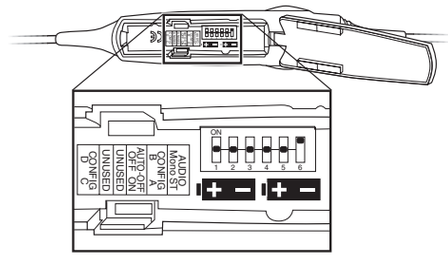
⚠ ***CAUTION:*** *Be sure to try the headset and test its operation before in-flight use.*

### *Setting the configuration switches*

The battery compartment on your portable control module serves two purposes. In addition to holding the batteries, it contains small switches to properly configure the module for use with your existing headset (Figure 3).

**Figure 3:**

Optional operation switches inside the battery compartment




To change switch positions, use a pen or a small, flat-tipped screwdriver to gently switch the tab.

- **Switch 1:** Set at the factory to position C. In auto-off mode, if the headset is used on intercoms without a failsafe or bypass mode, it turns off after a few minutes of inactivity.

  If the headset fails to turn off in position C, move this switch to position D, leave the headset inactive for a few minutes, and see if it turns off. If the headset stays on after the avionics power is removed, contact Bose Technical Support: 800-233-4416.
- **Switches 2-3:** Not currently used.
- **Switch 4:** Set at the factory to enable the smart shutoff function. To disable smart shutoff, set switch to OFF. With the switch in OFF position, the ANR system will not turn off until the power button is depressed and held for at least one second.

***Note:*** *The smart shutoff function is designed to detect when the headset is not in use and shut off ANR to preserve battery power. Smart shutoff turns off circuitry several minutes after you remove the headset.*

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### *Setting the configuration switches (cont.)*

***Note:*** *Emergency bypass mode is a feature available in some intercom systems. This feature generally connects the communication radio directly to the pilot's headset if the intercom fails. In this case, the auto-off system will detect this change and keep the headset on.*

***Note:*** *To properly set Switch 5, you must know your headset's* ***date of manufacture****. To identify your headset's date of manufacture, see instructions below.*

⚠ ***CAUTION:*** *Failure to set switch 5 properly can cause crackling and distorted audio quality.*

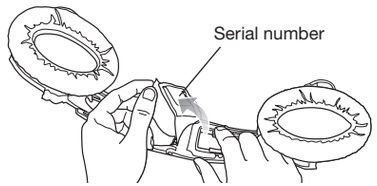
- **Switch 5:** Set to A if you are installing the portable control module onto an Aviation Headset that was manufactured on or *after* June 16, 2003. Set to B if you are installing the portable control module onto a headset that was manufactured *before* June 16, 2003.
- **Switch 6:** Set at the factory for mono audio systems (to provide audio in both ears). Set it for stereo (ST) if your aircraft has a stereo intercom.

### *Identify your headset's date of manufacture*

Your Aviation Headset X serial number is located on the underside of the magnesium headband, underneath the headband cushion (Figure 4). If your headset does not have a serial number under the headband cushion, set Switch 5 to B.

**Figure 4:**

Locating the serial number and date of manufacture




Your headset's date of manufacture is an important part of the serial number. It is the underlined, four-digit number that begins just after the first alphabetic letter in the serial number.  Example: 031963E31920040E

270262-001

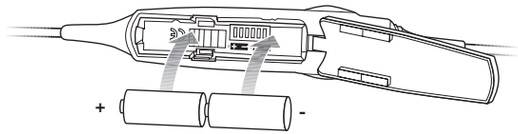
In this example, the date of manufacture is 3192. The first digit, 3, refers to the year of manufacture (2003). The last three digits,192, refer to the day of the year. In this example, the date of manufacture is the 192nd day of 2003, or July 11, 2003.

### *Inserting batteries*

Insert two alkaline AA batteries (IEC LR6) into the control module (Figure 5).

**Figure 5:**

Installing the two batteries




### *Operating the battery-powered headset*

#### *Power button*

Use the power button to turn the headset on or off, or to change the LED brightness.

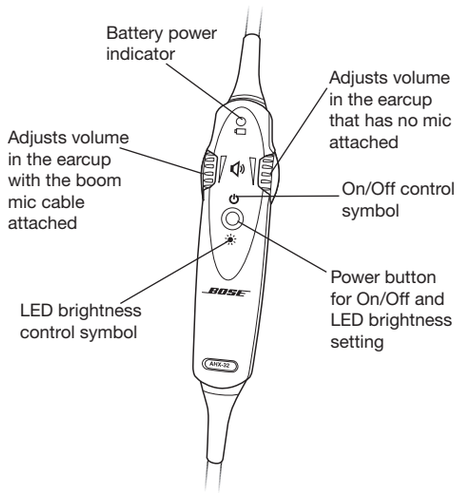
- Press the power button once to turn on ANR.
- Press and hold the power button to turn off ANR. Or rely on the smart shutoff feature.

***Note:*** *For details on how to disable smart shutoff, see "Setting the configuration switches."*

- Press twice rapidly to toggle between the daytime (brighter) and nighttime (dimmer) LED settings.

**Figure 6:**

The control module of the battery-powered headset




#### *Battery power indicator*

For a headset with a date of manufacture on or after June 16, 2003, new alkaline AA batteries (IEC LR6) will generally supply at least 40 hours of power in typical general aviation aircraft noise. If the date of manufacture is before June 16, 2003, the batteries will generally supply 15 to 30 hours of power.

Battery life varies with the ambient noise level of the aircraft, temperature, ear cushion condition, and age of the batteries.

The battery power indicator, located on the control module, changes color to indicate the power status as follows:

| *LED color* | *Type of light* | *Indicates* |
|---|---|---|
| Green | Blinking | Power ON and batteries good |
| Amber | Fast blinking | Power ON, but batteries low (8 hours or less remaining) |
| Red | Faster blinking | Power ON, but batteries low (2 hours or less remaining) |
| Off | None | Power OFF or batteries discharged |

### *For assistance*

If you need assistance installing the portable control module, contact the Bose Aviation Headset Department at: 1-800-233-4416 (U.S.); 508-879-7330, ext. 62006 (outside U.S.).

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