Important Safety Information

Please read this guide
Please read this guide carefully. Save this guide for future reference and make it easily accessible for passengers and third parties.

Safety Warnings:
• Turn the headset off if it emits any loud noise.
  As with any complex electronic device, it is possible for this headset to fail during operation. Symptoms of failure, which may include loud tones, distortion, feedback squeals and loss of communications signal in the headset, can occur in either the Acoustic Noise Cancelling® mode (turned on) or in the passive mode (turned off). If the headset emits any loud noise and the related loss of communications in the Acoustic Noise Cancelling mode, turn off the power switch. The headset will continue to provide communications in the passive noise-reducing mode. If the problem persists, see Troubleshooting on page 29.

• Switch to an alternate communications method in the event of a headset issue.
  In the unlikely event of any headset issue or failure in the passive noise reducing mode, switch to an alternate communications method and use standard cockpit resource management skills to minimize distractions.

• Be aware of sound differences while wearing the headset.
  With the headset’s active and passive noise reduction, typical aircraft sounds (such as from engines, propellers, and stall or gear up warnings) will not sound familiar on your first few flights. Such important sounds may be quieter than you are used to. You are responsible for making sure that you can hear, notice and recognize these sounds when using the headset while operating any aircraft.

• Use the headset at a moderate volume level.
  To avoid hearing damage, use the headset at a comfortable, moderate volume level. Limit the headset volume to safe levels that do not interfere with your ability to hear informational sounds and warning alarms, such as stall warnings or gear up, while piloting.

• Do not make phone calls while piloting.
  During flight operations, do not use the headset for telephone calls.

• Make sure your aircraft communications system volume control is easily accessible.
  Make sure you can understand critical communications even with Acoustic Noise Cancelling turned off. We recommend that you set the audio system volume so that you can understand radio communications in passive mode, in full aircraft noise, then use the control module’s volume controls to set a comfortable level with Noise Cancelling on. In passive mode, the control module will automatically switch to maximum volume. If your headset is aircraft powered, connect the headset to the aircraft power sources only as described in “Connecting the headset to the aircraft” on page 13.

• Make sure portable devices do not interfere with the aircraft’s navigation and communication systems.
  It is a pilot’s responsibility to ensure that portable devices do not interfere with the aircraft’s navigation and communication systems, as well as to determine if the portable device is suitable for use with the Bose® A20® Aviation Headset.

• Keep batteries out of reach of children.

• Use only AA alkaline batteries.
  Replace the batteries only with AA alkaline batteries (IEC LR06). There is a danger of explosion if batteries are incorrectly replaced with any other battery chemistries. Batteries may cause a fire or chemical burn if mishandled. Do not recharge, disassemble, heat, or incinerate batteries. Dispose of used batteries properly, following any local regulations. The headset will not operate properly if used with any battery source other than the Bose A20 Aviation Headset control module.

WARNING: Contains small parts which may be a choking hazard. Not suitable for children under age 3.

Cautions Regarding Maintenance and Repair:
• Do not repair the headset yourself.
  Do not attempt to remove, replace, or repair the protective inner screen on the inside of the earcup, which is critical to the headset’s performance. If screen replacement or other repair seems necessary, contact Bose Technical Support. See “Contact information” on page 39. If the screen gets wet or any foreign objects become lodged on or adjacent to it, follow the instructions in “Headset Care and Maintenance” on page 25.

• Keep the earcup free of debris.
  Proper headset operation requires that the headset TriPort® and microphone openings located on the outside of each earcup are kept free of debris to ensure clear communications.

• See “Cleaning the headset” on page 25 for cleaning instructions.
Important Safety Information

Regulatory Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning this equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between this equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult Bose or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Bose Corporation could void the user’s authority to operate this equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with FCC and Industry Canada RF radiation exposure limits for general population. It must not be collocated or operating in conjunction with any other antenna or transmitter.

Operate this product within the temperature range of 5°F to 131°F (-15°C to 55°C) only.

Bose Corporation hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and all other applicable EU directive requirements. The complete declaration of conformity can be found at: www.Bose.com/compliance.

<table>
<thead>
<tr>
<th>Names and Contents of Toxic or Hazardous Substances or Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxic or Hazardous Substances and Elements</strong></td>
</tr>
<tr>
<td>Part Name</td>
</tr>
<tr>
<td>Metal parts</td>
</tr>
<tr>
<td>Plastic parts</td>
</tr>
<tr>
<td>Speakers</td>
</tr>
<tr>
<td>Cables</td>
</tr>
</tbody>
</table>

O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T 11363-2006.

X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T 11363-2006.

Please complete and retain for your records:

The serial number can be found underneath the headband cushion.

Serial number

Purchase date

We suggest you keep your receipt with this owner’s guide.

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Introduction

Congratulations on your purchase of a Bose® A20® Aviation Headset.

The Bose A20 Aviation Headset is our most advanced aviation headset yet. It delivers significantly increased noise reduction and provides a more comfortable fit, without compromising the clear audio you expect from Bose. Plus, it offers auxiliary audio input and is available with Bluetooth® compatibility.

What’s included

Each Bose A20 Aviation Headset is supplied with a control module, cable, and carrying case. The type of control module and end-plug configuration depends on the options you chose for your headset.

There are two options for the control module:

• Control module with Bluetooth compatibility
• Conventional control module

There are several end-plug configurations for the headset. Your headset falls into one of two general categories:

• Battery powered: Operates with battery power only.
• Dual powered: Operates with either aircraft or battery power. No battery needed when connected to aircraft power.
What’s in the carton

**Headset assembly**

- Headphones
- Clothing clip
- Control module
  See “Control module variations” on page 8 for options
- Second clothing clip
- 2 AA alkaline batteries*
- 3.5 mm adapter cable
- Carrying case

*Note:* Cable connector types will vary based on model of headset. See “Power and cable variations” on page 9.

**WARNING:** *Replace batteries with alkaline batteries only. Do not use any other battery chemistries.*
Introduction

Control module variations

If you opted for the Bluetooth compatible version of the headset, you received the Bluetooth control module. If not, you received the conventional control module.

**Bluetooth control module**  
**Conventional control module**

- Left/Right volume controls*
- Power indicator
- Power button
- Bluetooth Volume Up button
- Bluetooth Volume Down button
- Auxillary (AUX) audio input
- Bluetooth indicator
- Bluetooth function button
- Multifunction switch:
  - Top Intercom prioritized
  - Middle Intercom mixed
  - Bottom Intercom only
- Audio Priority switch:
  - Top Intercom prioritized
  - Middle Intercom mixed
  - Bottom Intercom only

*Control the intercom volume
Power and cable variations

The Bose® A20® Aviation Headset is available for purchase in different standard aircraft connector options, including:

<table>
<thead>
<tr>
<th>Battery powered options</th>
<th>Dual powered options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operate with battery power only</td>
<td>Operate with either aircraft or battery power</td>
</tr>
<tr>
<td>No battery needed when connected to aircraft power</td>
<td></td>
</tr>
</tbody>
</table>

- Dual G/A
- U174
- U384
- 4-pin XLR

* An adapter is available from Bose to convert a 6-pin connector to a dual G/A or U174 plug for additional connection flexibility. Other configurations require the purchase of a cable assembly.
Preparing the Headset for Use

The microphone assembly

Your headset may be shipped with the microphone assembly (boom microphone and cable) attached to the left earcup. If your headset is shipped with the microphone assembly packed separately, you can attach it to either earcup.

Attaching the microphone assembly

Choose the earcup (L or R) to receive the microphone assembly. Also, make sure that the earcup connector pins are clean and free of debris.

1. Use a Phillips screwdriver to loosen the two screws on the terminator cover near the bottom of the earcup where you want to attach the microphone assembly.
2. Remove the terminator cover to reveal the connector pins on the earcup.
3. Carefully line up the microphone assembly to the small connector socket on the earcup.
4. Slide the connector into the socket until it reaches the stop.

5. Tighten the screws to secure the assembly.
6. Attach the terminator cover to the earcup that does not have the microphone assembly attached. Insert the screws, then align and tighten them.

Note: The headset will not work without the terminator cover installed.

CAUTION: Do not force the connector into the socket, or earcup damage may occur.

CAUTION: Be sure to try the headset and fully test its operation before flight.
Preparing the Headset for Use

The battery compartment
The Bose® A20® Aviation Headset is shipped with factory-set operation defaults. If you want to alter these defaults, you can change the operation switches located inside the control module battery compartment. If you do not want to change any of the operation switches, skip ahead to “Inserting and replacing the batteries” on page 12.

*Note:* For aircraft-powered versions (5-pin XLR, 6-pin, 8-pin) batteries are not required for operation.

Opening the battery compartment
You must open the battery compartment to access the operation switches. Press down firmly on the battery compartment cover finger indent and slide the cover down. The cover is tethered to the module. Do not attempt to detach it.

*Note:* The battery compartment cover is designed to remain securely closed. You may need to use additional force when pressing down and releasing cover.

The operation switches
The operation switches control the Auto Off and Stereo/Mono functions.

To change the operation switches
1. Open the battery compartment.
2. If batteries are installed, remove them. In the battery compartment, you can observe and change the switch positions.
Preparing the Headset for Use

3. To change a switch position, use a pen or a small, flat-tipped screwdriver to gently move the switch.

This table shows possible positions, default setting, and purpose for each switch.

<table>
<thead>
<tr>
<th>Switch Options</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Auto Off function</strong></td>
<td>Set at the factory to enable the Auto Off function. The headset will turn off after 3 to 9 minutes of inactivity. To disable Auto Off, set the switch to OFF. With the switch in OFF position, the Acoustic Noise Cancelling® system will not turn off until you press and hold the power button for at least one second.</td>
</tr>
<tr>
<td><strong>2. Mono/ Stereo selection</strong></td>
<td>For most configurations, set at the factory for mono audio systems (to provide audio in both ears). Set it to stereo (ST) if your aircraft has a stereo intercom.</td>
</tr>
</tbody>
</table>

Auto Off functionality

The Auto Off feature detects when the headset is not in use and shuts it off after several minutes to preserve battery power. The exact time it takes to shut off varies and can range between 3 to 9 minutes after you stop using the headset.

When the headset is running on battery power only and is not plugged in to an intercom, it will shut off even when there is an auxiliary input present.

If you are on a phone call and unplugged from an intercom, the headset will allow you to complete your call, then it will turn off approximately three seconds after the call is terminated.

**Note:** To use the headset when unplugged from the intercom to listen to auxiliary input audio, or using Bluetooth wireless technology to make or receive calls, we recommend you disable the Auto Off feature for uninterrupted functionality.

Inserting and replacing the batteries

**CAUTION:** If the batteries do not fit correctly, do not force them in. Forcing an improper connection will cause permanent damage to the control module.

**To insert or replace the batteries**

1. Turn off headset power.
2. Press down firmly on the battery compartment cover and slide the cover to release. The battery door is tethered. Do not detach the door from module.
3. Insert the two supplied alkaline AA batteries into the control module, observing proper polarity.
4. Replace the battery compartment cover.

**WARNING:** Replace batteries with alkaline batteries only. Do not use any other battery chemistries.
Connecting the headset to the aircraft

The Bose® A20® Aviation Headset can be configured to either plug into aircraft power or rely entirely on battery power.

Using the 6-pin plug

A single 6-pin plug inserted into the 6-pin connector provides the headset with aircraft power and intercom audio.

If your headset is aircraft-powered, a 6-pin connector must be installed and mounted to an aircraft panel. See “Mounting the aircraft panel connector” on page 33.

*Note:* An adapter is available from Bose to convert a 6-pin connector to a dual G/A or U174 plug for additional connection flexibility.

To connect the headset

Align the 6-pin plug to the connector keyway by matching the narrow bar on the plug to the slot on the connector.

Firmly press the plug into the connector jack.

To disconnect the headset

1. Pull back on the sleeve near the end of the 6-pin plug.
2. Gently continue pulling back to remove the plug from the connector.

*CAUTION:* Do not pull the connector out without first pulling back the sleeve. Forcing the connector out will damage the cable and/or the aircraft instrument panel.

Pull sleeve back, then pull plug out
Preparing the Headset for Use

Using the dual general aviation plugs
The most common battery powered (only) version of the headset has two general aviation (G/A) plugs that connect to the aircraft audio. Although the plugs look similar, the microphone plug is shorter, thinner, and has a slightly different shape than the intercom plug.

Insert the thicker intercom plug in first. It will only fit into one of the jacks. Then insert the thinner microphone plug into the other jack.

Using other plug types
The Bose® A20® Aviation Headset is also available with other types of plugs for connecting to various aircraft audio jacks. These single-plug connectors should be inserted into the appropriate jack on your aircraft control panel. Refer to “Power and cable variations” on page 9.
Wearing and adjusting the headset

Proper fit on your head is important both for comfort and optimal noise reduction performance. Here are a few guidelines:

• Use the left (L) and right (R) markings above the earcups to orient the headset properly.

• As you put the headset on, lightly grasp each earcup and adjust it so its cushion is completely over your ear. You should feel an even, gentle pressure all around each ear.

• Adjust the headband so it rests gently on top of your head.

• Make your final adjustments with the headset powered on in a noisy environment.

In very loud conditions, such as during takeoff, you may experience a brief reduction in Acoustic Noise Cancelling® as the headset compensates for a momentary pressure change. If the problem continues when the sound level returns to normal, see “Troubleshooting” on page 29. If the problem persists, contact Bose Technical Support for assistance.

Conditions related to fit

A low rumbling sound or frequent, brief losses of Acoustic Noise Cancelling noise reduction may indicate an improper fit or blocked earcup ports. See “Headset earcup openings” on page 25 for instructions on removing blockages.

During a long flight, you may feel a slight pressure point, which can be relieved by adjusting the headband position. Your experience with using the headset will help establish a sense of how it should sound and feel.

Microphone placement

Microphone placement is important for clear communications. With the headset on your head, make these adjustments:
Using the Headset

1. Grasp the boom with your fingers and move the microphone up or down so it is level with your mouth.

2. Pull the microphone in toward your lips. Position the microphone with its talk side facing in. Though it will be slightly off center, the microphone should be 1/2 inch from the opening of your lips.

3. Make sure the talk side of the microphone is facing your lips. Do not purse your lips.

Clothing clips

The control module cable is fitted with two clothing clips. Use the clips to attach the headset cable to your clothing, a safety harness, or an aircraft door pocket.
Using the control module

Use the control module to control the headset functions. There are two variations of the module; one featuring Bluetooth wireless technology and one that has basic functions only.

**Bluetooth control module**

- Left/Right volume controls*
- Power indicator
- Power button
- Bluetooth indicator
- Bluetooth function button
- Multifunction switch:
  - Top Intercom prioritized
  - Middle Intercom mixed
  - Bottom Intercom only

**Conventional control module**

- Left/Right volume controls*
- Power indicator
- Power button
- Bluetooth Volume Up button
- Bluetooth Volume Down button
- Audio Priority switch:
  - Top Intercom prioritized
  - Middle Intercom mixed
  - Bottom Intercom only
- Auxiliary (AUX) audio input

*Control the intercom volume

**Power button**

Use the power button to turn Acoustic Noise Cancelling® on or off, and control indicator brightness.

- Press the power button once to turn on Acoustic Noise Cancelling noise reduction.
- Press and hold the power button for 1-2 seconds to turn off Acoustic Noise Cancelling noise reduction.

**Note:** Repeated pressing of the power button will not hasten the power off event. If the unit does not power off, wait 3 seconds and press the power button again.
Using the Headset

• Double-click the power button to dim the power and Bluetooth wireless technology indicators. To toggle the indicators between dim and bright, rapidly press the power button twice.

Volume control

The left and right volume control wheels on the control module adjust the volume of the corresponding earcup. With Acoustic Noise Cancelling® off, volume control will be set to the maximum level.

**CAUTION:** Avoid setting the volume levels too high. Exposure to loud sounds may cause hearing damage.

Holding the control module upright and facing you:

• Use the left wheel to adjust volume of the left earcup.
• Use the right wheel to adjust volume of the right earcup.

Overall headset volume control requires adjustments at both the aircraft intercom or radio and at the headset control module. Even at its lowest setting, neither volume control wheel can completely turn off the volume.

Power indicator

New alkaline AA batteries will generally supply at least 45 hours of power for the headset. Battery life varies with the ambient noise level of the aircraft, temperature, ear cushion condition, use of the Bluetooth feature, and age of the batteries. The power indicator changes color to indicate the power status, as follows:

<table>
<thead>
<tr>
<th>Indicator color</th>
<th>Power source</th>
<th>Type of light</th>
<th>Indicates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Aircraft</td>
<td>Slow flashing</td>
<td>Power ON</td>
</tr>
<tr>
<td>Green</td>
<td>Battery</td>
<td>Flashing</td>
<td>Power ON and batteries good</td>
</tr>
<tr>
<td>Amber</td>
<td>Battery</td>
<td>Fast flashing</td>
<td>Power ON, but batteries low (8 hours or less remaining)</td>
</tr>
<tr>
<td>Red</td>
<td>Battery</td>
<td>Faster flashing</td>
<td>Power ON, but batteries very low* (2 hours or less remaining)</td>
</tr>
<tr>
<td>Off</td>
<td>None</td>
<td>None</td>
<td>Power OFF, or batteries depleted</td>
</tr>
</tbody>
</table>

**WARNING:** Replace batteries with alkaline batteries only. Do not use any other battery chemistries.

*Bluetooth wireless technology is disabled to conserve the remaining power once the battery reaches this level.
Auxiliary (AUX) audio input

The Bose® A20® Aviation Headset provides a 1/8 inch (3.5 mm) AUX audio input that allows you to use your headset with an external audio source such as a portable GPS or a portable audio device. The connector is located at the bottom end of the control module as shown.

Your headset includes a 1/8 inch (3.5 mm) adapter cable to connect your external audio device. Plug one end of the adapter cable into the headphone plug on your device and the opposite end into the headset AUX audio input.

**Note:** None of the functions of a connected audio source are controlled by the control module.

**Note:** This feature will not work unless the multifunction switch is turned on.

**Note:** When the headset is running on battery power only, and it is not plugged into an intercom, it will shut off even when there is an auxiliary audio input signal present. To use the headset when unplugged from the intercom to listen to auxiliary input audio, or using Bluetooth wireless technology to make or receive calls, we recommend you disable the Auto Off feature for uninterrupted functionality.

Audio priority

The Bose A20 Aviation Headset allows you to decide the priority of the audio sources you want to hear while using the headset. On the Bluetooth control module, the audio priority is controlled by the multifunction switch. On the conventional control module, the audio priority is controlled by the audio priority switch.
Using the Headset

Multifunction/Audio priority switch

The multifunction/audio priority switch has three positions:

<table>
<thead>
<tr>
<th>Position</th>
<th>Function</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Intercom prioritized over AUX</td>
<td>When the switch is in the top position and an intercom signal is detected, AUX audio is muted.</td>
</tr>
<tr>
<td>Middle</td>
<td>Intercom mixed with AUX</td>
<td>When the switch is in the middle position and an intercom signal is detected, AUX audio is mixed with the intercom audio.</td>
</tr>
<tr>
<td>Bottom</td>
<td>Intercom only</td>
<td>When the switch is in the bottom position, only intercom audio is active.</td>
</tr>
</tbody>
</table>

**Note:** On the Bluetooth control module, when a Bluetooth connection is made, the audio from the call mutes the signal on the AUX audio input. In either the top or middle position of the multifunction switch, both the intercom and the Bluetooth signal are heard as mixed.
Using the Headset

Using the headset with a Bluetooth compatible phone

Pairing the headset with your mobile phone

Before you use your Bose® A20® Aviation Headset with your mobile phone, you must pair the two devices.

1. Turn on the headset and make sure the multifunction switch is in the top or middle position, NOT in the bottom (off) position.

The power indicator glows green or yellow, depending on the charge level of the battery. If the light is red, the battery is low and needs replacing.

2. Press the Bluetooth function button on the control module (to turn on the headset’s Bluetooth feature).

If this is the first time you’ve attempted to pair the headset with a phone, the Bluetooth indicator will slowly flash, alternating with the power indicator. This indicates that the headset is in “discoverable” mode and ready to be paired to a phone.

If the Bluetooth indicator does not flash alternately with the power indicator, or if you are trying to pair a headset that has previously been paired with another phone, you will need to press and hold the Bluetooth function button for 5 seconds in order to put the headset into “discoverable” mode.

3. Locate your phone’s Bluetooth feature:
   - iOS 5: Settings > General > Bluetooth
   - iOS 6: Settings > Bluetooth
   - Android: Settings > Wireless and Networks > Bluetooth or Bluetooth settings
   - Blackberry: Home > Manage Connections > Set up Bluetooth
   
   For other phones, check the phone’s user guide.

4. Select Bose A20 from the Bluetooth device list.

5. If you are asked for a passkey or PIN, enter the digits 0000.

The control module’s Bluetooth and power indicators flash together to confirm successful pairing.

If pairing is unsuccessful, repeat steps 2-5.
Using the Headset

**Note:** The Bose® A20® Aviation Headset will automatically exit pairing mode after five minutes of inactivity.

### Bluetooth indicator light status

The Bluetooth indicator is a blue light on the control module. It shows the status of Bluetooth functions, as follows:

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashes slowly, alternating with the power indicator.</td>
<td>Headset is discoverable or is pairing.</td>
</tr>
<tr>
<td>Flashes twice quickly with each power indicator flash.</td>
<td>Bluetooth technology is ON but not connected to a phone.</td>
</tr>
<tr>
<td>Flashes at the same rate with the power indicator (green or amber).</td>
<td>Bluetooth technology is ON and connected to phone.</td>
</tr>
<tr>
<td>Flashes once quickly with each power indicator flash.</td>
<td>Headset is in an active phone call.</td>
</tr>
<tr>
<td>No light</td>
<td>Bluetooth technology is not enabled.</td>
</tr>
</tbody>
</table>

**Reconnecting to a previously connected phone**

To reconnect the headset to a previously connected phone or other Bluetooth device, briefly press the Bluetooth function button on the headset control module. The headset control module attempts to connect with the last connected Bluetooth device.

**Note:** The Bose A20 Aviation Headset can only be connected to one Bluetooth device at a time. If you press the Bluetooth function button on the headset control module for more than five seconds, the currently connected Bluetooth device is disconnected and the control module enters pairing mode.

**Recovering a lost connection**

When a connected Bluetooth device moves out of range and the connection is lost, the headset automatically attempts to reconnect. If a connection still does not exist after five minutes, the Bluetooth receiver in the control module remains on, but not connected. The Bluetooth indicator on control module will double flash each time the power indicator flashes.

**Disconnecting a Bluetooth compatible phone**

If you use a connected phone to end a Bluetooth connection, the Bluetooth receiver in the headset control module remains on, but no longer attempts to connect.

A Bluetooth connection is ended by turning the phone off, ending the current call, or discontinuing the wireless connection.

If you turn the headset control module off, the control module Bluetooth receiver also turns off, ending the connection to the Bluetooth compatible phone.
**Bluetooth volume control**

The Bluetooth volume control increases or decreases the volume of the mobile phone that is paired to the Bose® A20® Aviation Headset. The Bluetooth volume control is located on the right side of the control module. You can only adjust the Bluetooth technology volume during an active phone call. To change the volume, press the volume up or volume down button.

![Volume control icons](image)

Each time you press a Bluetooth volume button, the volume increases or decreases one level.

*Note:* Pressing and holding the volume button changes the volume continuously.

*Note:* When Bluetooth wireless technology is active, you cannot mute the sound using the Bluetooth volume buttons.

**To clear pairing device history from the headset**

With Bluetooth on (Bluetooth indicator light flashing), while not on a call, press and hold both Bluetooth volume up and Bluetooth volume down buttons at the same time for 8 seconds.

After 8 seconds, turn off and then turn on the Bluetooth power using the multifunction switch.
Using the Headset

Making and answering calls

To make a call
Dial from your mobile phone, and the call will automatically transfer to the headset. If your phone has voice-activated dialing, press the Bluetooth function button and wait for the phone voice prompts.

To activate voice dialing (if your phone provides this feature)
When there are no active or incoming calls, briefly press the Bluetooth function button.

To answer a call
Briefly press the Bluetooth function button. You should hear a short beep in the headphones before you hear the incoming call.

To end a call
Briefly press the Bluetooth function button. You should hear two short beeps in the headphones to indicate that the call has been ended.

To reject an incoming call
Press the Bluetooth function button for three seconds.
To avoid putting the control module into pairing mode, do not press the Bluetooth function button for more than five seconds.

To redial the last number
When there are no active or incoming calls, press the Bluetooth function button twice in quick succession.

Note: Whether or not you can reject an incoming call, activate voice dialing, or redial the last number, depends on the capabilities of your phone. Please check your phone user guide for further details.

To transfer the audio to the mobile phone
When you are on a call, press the Bluetooth function button for three to four seconds. This transfers the audio to the mobile phone handset while the Bluetooth wireless technology connection remains active.

Note: If you are on a call and unplugged from an intercom, the headset will allow you to complete your call, then it will turn off approximately three seconds after the call is terminated. To use the headset when unplugged from the intercom to listen to auxiliary input audio, or using Bluetooth wireless technology to make or receive calls, we recommend you disable the Auto Off feature for uninterrupted functionality.
Instructions for continued airworthiness

Bose recommends following the general care and maintenance instructions in this guide. With normal use, items such as windscreens and ear cushions may require periodic replacement. If cleaning or replacement of these items is needed, follow the recommendations on the following pages. All other care and maintenance, in and out of the warranty period, must be performed by Bose or an authorized repair facility.

**CAUTION: Do not immerse the headset in water or any other liquid. If the headset is immersed in liquid, do not use it. Contact Bose® Technical Support for assistance.**

Cleaning the headset

**General cleaning**

Gently wipe the outside surfaces of the headband, connectors, plastic parts, and headband cushion, using a soft cloth moistened with water and mild soap. Take special care when cleaning the ear cushions and the outside surfaces of the earcups. Do not immerse ear cushions in water or any other liquid.

**Headset earcup openings**

The TriPort® headset opening and the microphone opening must remain clean and free of debris. Check to ensure that the openings on each earcup are clean before each flight.

![TriPort headset opening](image)

When wiping down the headset earcups, be sure not to force any dirt or debris into the openings. Carefully use tweezers, if necessary, to remove foreign matter that may be lodged in the openings. Do not blow air into or vacuum the openings as this may damage the headset.
Microphone windscreen
Remove the windscreen from the microphone as described in “Microphone windscreen replacement” below.
Rinse and air dry the windscreen. Make sure the windscreen is completely dry, then reattach.

Earcup inner screen
Do not attempt to remove, replace, repair, or clean this component. Located inside the earcup, the inner screen is critical to proper headset operation. If the screen appears to be damaged or worn out, contact Bose.
If the inner screen becomes damp from environmental moisture such as light rain, dew, perspiration, or condensation, allow it to air dry only. Do not use electric heaters, blowers, or hairdryer-type devices to dry the inner screen.

Headband cushion
1. Remove the cushion as described in “Headband cushion replacement” on page 28.
2. Place the cushion in a solution of water and a mild detergent.
3. Allow the cushion to air dry, then reattach.

Replacing parts
Through normal use, parts like windscreens and ear cushions may require periodic replacement. Replacement parts can be ordered directly from Bose Corporation. Please refer to “Contact information” on page 39.

Microphone windscreen replacement
1. Roll the band that secures the windscreen off the tip of the microphone and dispose of it.
2. Gently slide the windscreen off the microphone.
3. Slide the replacement windscreen on and make sure it fits completely over the microphone.
4. Roll the new band onto the microphone tip, to about 1/4 inch from the end of the windscreen, to secure it.
Ear cushion replacement

As a general rule, ear cushions should be replaced every six months or every 350 hours of use, depending on how often you fly. You may have to replace them more often, if you:

- Have a full beard or heavy whiskers.
- Subject the headsets to severe temperature extremes such as parking your airplane outside in severe cold or heat.
- Put excess strain on the cushions because of improper storage.

Indications that the ear cushions need replacing include:

- Flaking of the outer covering.
- Cuts or tears.
- Flattening of the cushion, reducing the effectiveness of the seal.

To extend the life of the ear cushions, perform regular cleaning as described in “General cleaning” on page 25.

To replace the ear cushions:

1. Grasp the ear cushion skirt where it folds into the slot on the earcup.
2. Gently pull the ear cushion skirt up and away from the earcup.

3. Properly align the replacement ear cushion with the earcup.
4. Tuck an edge of the ear cushion skirt into the slot behind the ear cushion flange. Be careful not to fold the skirt over.
5. Gently stretch the cushion around the earcup, working the skirt into the slot as you go.
6. Grasp the ear cushion and adjust its position to remove any folds in the skirt and wrinkles in the cushion.

Battery replacement

Refer to “Inserting and replacing the batteries” on page 12.
Headset Care and Maintenance

Headband cushion replacement
The headband cushion is designed to give the maximum level of comfort to your headset.

Bose recommends that you replace the cushion after regular care and maintenance fails to restore the wool pile to its original size and shape.

To replace the cushion:

1. On a protected surface, turn the headset upside down. Remove the old cushion from the headband.

2. While still holding the headband open, align the center of the new cushion with the center of the headband and press firmly from the center toward the outside.

Microphone assembly or access cover replacement
Replace the microphone assembly or connector access cover as described in “Attaching the microphone assembly” on page 10.

Storage
Store the headset in a ventilated area away from direct sunlight.

Remove the batteries before storing the headset for extended periods.
Troubleshooting

Look for the problem in the left column of the table, then follow the “What to do” instructions in the right column. If the problem persists, contact Bose using the contact information on page 39 of this guide for assistance.

**WARNING:** Do not attempt to disassemble or service the inside of the earcups or other parts of the headset. Only the boom microphone cable, access cover, batteries, windscreen, headband cushion, and ear cushions are replaceable by the user. For instructions on how to care for and maintain the headset, see “Headset Care and Maintenance” on page 25.

### Noise Reduction

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Communication, but no Acoustic Noise Cancelling® noise reduction in either ear. | • Make sure the headset is turned on.  
• Press the power button to turn the headset on.  
• Check the power indicator. See page 18 for a description of the power indicator.  
• If using aircraft power, check the aircraft fuse or circuit breaker.  
• If using battery power, make sure the batteries are fresh and correctly installed  
**WARNING:** Replace batteries with alkaline batteries only. Do not use any other battery chemistries. |
| No active Acoustic Noise Cancelling® noise reduction and no communication. | • Make sure the headphone plugs are securely inserted into the panel connectors.  
• Try using the headset in a different seat location.  
• Remove the microphone assembly from the headset and check for damage to the connector or pins. See “The microphone assembly” on page 10. |

### Communications

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Acoustic Noise Cancelling noise reduction, but no incoming audio.      | • Check to see if the volume controls are set too low. See “Volume control” on page 18 for instructions on volume adjustment.  
• Check the volume setting of intercom/radio.  
• Make sure the headphone plugs are securely inserted into the panel connectors.  
• Try a different seat location in the aircraft. |
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Low volume of incoming communications. | • Check to see if the volume controls are set too low.  
• Refer to “Volume control” on page 18 for instructions on volume adjustment.  
• Ensure that the stereo/mono switch is correctly set for your intercom system.  
• Check that all headsets sharing the intercom have the stereo/mono switch in the correct position.  
• Unplug all other headsets and see if the volume can be adjusted to an acceptable level. |
| Intermittent communication. | • Check that the connection to the aircraft panel is not loose.  
• Try the headset in a different seat location. |
| Reduced volume in one ear only. | • Check to see if the volume control is set too low.  
• Refer to “Volume control” on page 18 for instructions on volume adjustment.  
• Check the stereo/mono configuration switch.  
• Refer to “The operation switches” on page 11. |
| No stereo separation or communications in one ear only. | • If your aircraft has a mono audio system, verify that the stereo/mono configuration switch is set to mono. Refer to “The operation switches” on page 11. Depending on how your audio jacks are wired, there may be only one channel of audio supplied to the headphone jack. If the stereo/mono switch is set to stereo and you only hear communications on one side, setting the switch to mono plays audio on both sides. U174 and 4-pin XLR plugs are mono audio only. |

### Audio

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Reduced Acoustic Noise Cancelling® noise reduction, intermittent clicking sounds, or communication distortion in a loud environment. | • Check the TriPort® headset openings on the outside of each earcup to ensure that they are not blocked. If dust or dirt is present, carefully remove the debris using tweezers. Do not vacuum or blow out debris.  
• Make sure there are no air gaps around the ear cushion seals. If ear cushions appear worn, they should be replaced. Refer to “Ear cushion replacement” on page 27.  
**WARNING:** If you experience loud tones and the related loss of communications, turn off the power switch. The headset will continue to provide communications in the passive noise-reducing mode. The headset includes redundant circuitry to reduce the effects of such failures and to allow for continued use of the headset in the passive noise reducing mode. |
| Squealing or whistling sound when the headset is turned on. | • Ensure the headset orientation is correct. Use the Left (L) and Right (R) markings above the earcups to orient the headset correctly.  
• Inspect the seal between the ear cushion skirt and the earcup. The skirt should fit into the slot on the earcup with no gaps. Replace any cushions that appear to be worn out.  
• Adjust the earcup fit to create a better seal on your head. The headset’s low-force design makes it sensitive to items that interfere with the seal around your ear. Make sure your ears are completely inside the ear cushions, and that a hat or eyeglasses with thick temples do not interfere with the seal.  
• If the squealing or whistling sound persists, turn off the power switch and contact Bose for service as soon as possible. |
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Low rumbling sound with the headset turned on in a quiet environment. | • Adjust the earcup fit to create a better seal on your head. The low-force design of the headset makes it sensitive to items that interfere with the seal around your ear. Make sure your ears are completely inside the ear cushions, and that a hat or eyeglasses with thick temples do not interfere with the seal.  
• Check ports at the outside surface of each earcup to ensure that they are not blocked. If dust or dirt is present, carefully remove the debris using tweezers. Do not blow out or vacuum debris.  
• Inspect the seal between the ear cushion skirt and the earcup. The skirt should fit into the slot on the earcup with no gaps. Replace any cushions that appear to be worn out. |
| Crackling sound audible with headset turned on in a loud environment, or Acoustic Noise Cancelling® noise reduction is intermittent. | • Ensure the headset orientation is correct. Use the Left (L) and Right (R) markings above the earcups to orient the headset correctly.  
• Adjust the earcup fit. Refer to “Wearing and adjusting the headset” on page 15.  
• If your headset is battery-powered, check to see if the battery is low (indicated by fast blinking red LED).  
• If your headset is aircraft powered, make sure the voltage powering the headset is no less than 10 VDC.  
• Inspect the seal between the ear cushion skirt and the earcup. The skirt should fit into the slot on the earcup with no gaps. Replace any cushions that have surface tears, torn stitching joints, large wrinkles, or have become dried and stiff. |

### Auxiliary audio input

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| No audio from auxiliary source. | • Turn source volume up.  
• Try another source with the headset to eliminate the source as the possible problem.  
• Make sure multifunction switch is not set to the bottom (intercom only) position. The multifunction switch must be either in the top or middle position for audio from an auxiliary input to be enabled.  
• Check the connection between the auxiliary source and the control module. Both ends of the AUX IN connector cable must be properly seated inside the sockets.  
• If the multifunction switch is set to the prioritized position (top), the auxiliary audio source will not be heard if there is an audio signal from the intercom. |
| Audio in one ear only from the auxiliary input. | • Check the connection between the auxiliary source and the module. Both ends of the AUX IN connector cable must be properly seated inside the sockets.  
• Make sure the earcup cover on the headset is in place and properly connected. Refer to “Attaching the microphone assembly” on page 10. |
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Cannot hear communications while listening to audio from AUX input or AUX input does not mute with incoming communications. | • Check headset prioritization settings. Refer to “Multifunction/Audio priority switch” on page 20.  
• Communications audio is not present unless the headset is connected to an intercom system.  
• Make sure all connections are secure (headset to intercom, AUX input to headset). |

### Bluetooth connection

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| No audio to the headset while on a call.                               | • Check to make sure the headset and phone are paired, the multifunction switch is in the top or middle position, and the devices are communicating with each other.  
• Make sure the phone and headset are in range (no more than 30 feet from each other).  
• Make sure the volume is turned up on the control module.  
• On initial start-up, a 20-second delay may occur before audio can be heard. |
| The headset is not pairing with my phone.                              | • Turn the headset off, then on again.  
• Follow your phone instructions to remove all devices previously paired with your phone.  
• Repeat the steps for pairing the headset with your phone. Refer to “Pairing the headset with your mobile phone” on page 21. |
| I cannot answer/end a call.                                            | • Make sure your phone is properly paired and connected to the headset. Refer to “Making and answering calls” on page 24. |
| The headset does not reconnect to my phone when I turn it on.          | • Make sure the phone has Bluetooth enabled.  
• Turn the multifunction switch on to the top or middle positions.  
• Press the Bluetooth function button. |

### Auto off

<table>
<thead>
<tr>
<th>Problem</th>
<th>What to do</th>
</tr>
</thead>
</table>
| Headset does not shut off automatically.                               | • In the battery compartment, make sure Switch #1 is set to ON (default).  
• Refer to “The operation switches” on page 11 for details on Auto Off functionality.  
• It may take up to nine (9) minutes for the headset to shut off when not in use immediately after initial power up. |
Mounting the aircraft panel connector

The aircraft panel connector is part of the optional 6-pin wiring harness assembly.


**WARNING:** The aircraft panel connector must be mounted by a technician who is qualified to perform this type of avionics installation for the aircraft you are using.

Mount the connector into a cutout, using the diagrams below as a guide.

Connect the eight wires as follows:
- Two for the microphone
- Two for audio
- One for power
- One for ground
- Two for audio shields

Audio and microphone wires should be connected to the back of the existing microphone and headphone jacks, leaving existing jacks intact for use with conventional headsets. This is usually the fastest installation method.
**CAUTION:** Do not use excessive force or bend the installed connector. This may damage or break internal solder joints.

**Note:** The aircraft panel connector cannot be installed in an audio system using transformer-coupled audio outputs. Contact Bose Technical Support, using the contact information on page 39 for details.

### Mono connection diagram

![Mono connection diagram](image)

### Stereo connection diagram

![Stereo connection diagram](image)
Installation

Helicopter (U174) connection diagram

Note: Barrel ground (gnd) refers to aircraft grounds.

Details on making the connections

The pinouts for the optional installed connector are detailed in the table below:

<table>
<thead>
<tr>
<th>Pin number</th>
<th>Color</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red</td>
<td>V+IN: Headset power (10-32 VDC). Use a 1/4 amp fuse or a 1/2 amp circuit breaker.</td>
</tr>
<tr>
<td>2</td>
<td>Black</td>
<td>GND: System ground. Connect to the existing audio ground.</td>
</tr>
<tr>
<td>3</td>
<td>White</td>
<td>COMM L: Phone communication: Left.</td>
</tr>
<tr>
<td>4</td>
<td>Blue</td>
<td>COMM R: Phone communication: Right.</td>
</tr>
</tbody>
</table>

Note: For stereo operation, connect the left and right channels to their respective positions. For monaural operation, connect pins 3 and 4 together, and to the tip of the existing phone jack.

<table>
<thead>
<tr>
<th>Pin number</th>
<th>Color</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>White</td>
<td>MIC HI: Microphone/Hi-audio. Connect to the portion of the existing microphone jack that corresponds to the ring position of a headset microphone plug. Do not connect to the tip (PTT) segment.</td>
</tr>
<tr>
<td>6</td>
<td>White/Blue</td>
<td>MIC LO: Microphone/Lo-ground. Connect to the portion of the microphone jack that corresponds to the barrel position of a headset microphone plug.</td>
</tr>
</tbody>
</table>

Note: If the microphone works on radio transmit but not through the intercom, check pin 6. It may be incorrectly wired to the PTT segment of the microphone jack.

<table>
<thead>
<tr>
<th>Shield</th>
<th>Color</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comm Shield</td>
<td>Black</td>
<td>Shield from Comm L and Comm R wire pair.</td>
</tr>
<tr>
<td>Mic Shield</td>
<td>Black</td>
<td>Shield from Mic Hi and Mic Lo wire pair.</td>
</tr>
</tbody>
</table>

Note: The wires connecting pins 3 and 4 and pins 5 and 6 are shielded, twisted pairs with a black wire shield termination exiting each pair. If the existing wiring is not shielded, connect the shields to the existing audio wiring shields, or connect the shield from Comm L and Comm R wire pair to audio ground.
<table>
<thead>
<tr>
<th>Technical Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Headphone</strong></td>
</tr>
</tbody>
</table>
| **Impedance**         | Monaural mode: 160 Ohms ON and OFF  
Stereo mode: 320 Ohms ON and OFF |
| **Frequency response**| 15 Hz to 15 kHz  
Sensitivity: 92 dB SPL typical, measured at 1 mw, 1 kHz, full volume on a KEMAR ear simulator. |
| **Microphone (Electret)** | Bias required: 8 to 16 VDC through 220 to 2200 Ohms.  
Sensitivity: Varies depending on bias and AC radio input impedance. Typical output is 600 mV at 114 dB SPL. To assure proper modulation of the radio, it is recommended that an avionics technician adjusts its input to match the output of the microphone. |
| **Microphone (Dynamic)** | Impedance: 5 Ohm or 150 Ohm dynamic mic  
Sensitivity: Equivalent to M-87/M-101 |
| **Maximum ambient noise level** | 115 dBC SPL for full active noise reduction performance |
| **Power source** | Battery-powered: Two (2) AA alkaline  
Aircraft-powered: 10 to 32 VDC |
| **Voltage** | Battery-powered: Two (2) AA alkaline batteries  
Aircraft-powered: 10 to 32 VDC |
| **Battery life** | Alkaline battery life: At least 45 hours in typical general aviation aircraft noise. Duration varies with battery age, ambient noise levels, temperature, ear cushion seal, and use of the Bluetooth feature. |
| **Current** | Operating: 25 mA in typical aircraft noise |
| **Fuse/breaker recommended** | 1/4 amp, fast-blow fuse (AGC 1/4 amp fuse) or 1/2 amp circuit breaker |
| **Headset weight** | 12 ounces |
| **Headset size range** | Slider not extended: 8.425" (214mm) H x 6.34" (161mm) W x 3.15" (80mm) D  
Slider extended: 10.2" (259mm) H x 6.6" (168mm) W x 3.15" (80mm) D |
| **Control module dimensions** | 1.5" (38.1mm) H x 1.5" (38.1mm) W x 4.92" (125mm) D |
| **Temperature and Altitude (Category A)** | Operating: 5 to 131°F (-15 to 55°C)  
Storage: -67 to 158°F (-55 to 70°C)  
Altitude: 15,000 feet maximum pressure altitude for full cancellation |
| **Bluetooth wireless technology** | Hands-free profile, Bluetooth 2.1 |
| **Bluetooth QD ID** | Bose® A20® Aviation Headset: B016487 |
FAA Technical Standards Order

The Bose® A20® Aviation Headset that are approved to TSO and ETSO C139 are appropriately marked. The product interface, cables, and microphones have been designed to function in or withstand exposure to the following environmental conditions:

<table>
<thead>
<tr>
<th>Condition</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altitude and temperature</td>
<td>A1</td>
</tr>
<tr>
<td>Salt fog</td>
<td>S</td>
</tr>
<tr>
<td>AF conducted susceptibility</td>
<td>B</td>
</tr>
<tr>
<td>Humidity</td>
<td>B</td>
</tr>
<tr>
<td>Magnetic effect</td>
<td>Z</td>
</tr>
<tr>
<td>Power input</td>
<td>B</td>
</tr>
<tr>
<td>RF susceptibility</td>
<td>T</td>
</tr>
<tr>
<td>Temperature and altitude</td>
<td>A1</td>
</tr>
<tr>
<td>Vibration</td>
<td>S, R, and U</td>
</tr>
<tr>
<td>Voltage spike</td>
<td>A</td>
</tr>
<tr>
<td>Shock drop</td>
<td>12 times, 1 m onto concrete</td>
</tr>
<tr>
<td>Explosive atmosphere</td>
<td>Passed</td>
</tr>
</tbody>
</table>

Environmental categories cited refer to RTCA/DO-160F and RTCA/DO-214 (March 2, 1993).

The conditions and tests required for TSO approval of this are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in aircraft. The article may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements.

This device complies with FCC and Industry Canada RF radiation exposure limits for general population. It must not be collocated or operating in conjunction with any other antenna or transmitter.

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.
Locating the headset serial number

Your Bose® A20® Aviation Headset is identified by a unique headset serial number located on the underside of the headband and underneath the headband cushion. Reference this serial number when you register your product or contact Bose for technical support.

Be sure to properly reseat the headband cushion by pressing down firmly. For more information on replacing the headband cushion, see Refer to “Headband cushion replacement” on page 28.

Warranty

Details of the limited 5-year warranty are provided on the warranty/product registration card included in the product carton.

Limited warranty service

To return your headset to Bose for repair

Return your headset using the following procedures:

1. Contact the Bose organization in your country/region (visit www.Global.Bose.com for Bose contact information in your country/region) for specific return and shipping instructions;

2. Label and ship the product, freight prepaid, to the address provided by the Bose organization in your country; and

3. Place any necessary return authorization number prominently on the outside of the carton. Cartons not bearing a return authorization number, where required, will be refused.
Contact information

Contact Bose for:

- Spare parts and accessories
- Technical advice
- Installation information
- Warranty and repair information

In North America:
Bose Technical Support
145 Pennsylvania Avenue
Framingham, MA 01701-9168 USA
TEL: 1-800-233-4416 (US); 508-879-7330, ext. 62006 (outside U.S.)
FAX: 1-508-766-5997
E-MAIL: aviationheadsetsupport@Bose.com

In Europe:
Noise Reduction Technology Group
Nijverheidstraat 8 NL-1135 GE Edam
TEL: +31(0)299-390777
FAX: +31(0)299-390109
E-MAIL: aviation_europe@Bose.com

World Wide Web: www.Bose.com

Ordering parts and accessories

The following accessories and customer-replaceable parts can be purchased directly from Bose. See the contact information above.

- Additional control module cable
  - Specify: Bluetooth technology or conventional module
  - Specify: Connector type
- Ear cushion kit
- Headband cushion kit
- Carrying case
- Microphone windscreen
- Clothing clip
- Earchup access cover
- 6-pin connector to dual G/A plug cable adapter
- 6-pin connector to U174 plug cable adapter
- Service kit (includes ear cushion kit, microphone windscreen, and headband cushion kit)
- Aircraft panel connector installation kit
- Aircraft panel installation kit cover plate