GENERAL PRODUCT INFORMATION

What is the Bose A30 Aviation Headset, and what are its key benefits?

The Bose A30 Aviation Headset is best utilized where noise is pervasive, comfort is required and communication is critical.

The A30 is the industry's quietest, most comfortable active noise cancelling aviation headset. It provides unparalleled long term comfort with enhanced communication capabilities, including selectable modes of noise cancellation and talk-through tap control. With FAA/EASA TSO C-139a certification, an on-head weight of only 404 grams and many different plug configurations, pilots of virtually all aircraft can experience the most versatile around-ear headset on the market.

What's different about the Bose A30 Aviation Headset?

The Bose A30 Aviation Headset is our most advanced around-ear aviation headset ever. Its lightweight design, low clamping force and specialized earcup design enable maximum comfort, even over long flights.

The A30 is customizable to pilots' environment and/or personal preferences with three selectable modes of active noise cancellation. This industry-leading active noise cancellation is achieved without compromising the acclaimed clear audio and simplicity of use expected from Bose.

All models come with two AA batteries, and select models can also be powered by the aircraft. These models have a flexible power feature that allows pilots to switch seamlessly from battery power to aircraft power without compromising headset performance.

What's the difference between the A30 Aviation Headset and its predecessor, the A20 Aviation Headset?

The A30 Aviation Headset is the evolution of the A20. Its sleek, modern design significantly improves long term comfort with a lower on-head weight and reduced clamping force. It also features three modes of active noise reduction and tap control for talk-through communication.

The A30 upholds the acclaimed noise reduction and state-of-the-art materials and electronic capabilities of the A20. Each of these advancements helped create the best combination of noise reduction and audio clarity on the market.

How does the A30 headset compare to the A20 in terms of noise reduction?
The A30 provides similar total noise reduction to the A20, but with a different weight distribution and substantially lower clamping force.

What is included in the box with the Bose A30 Aviation Headset?
- Carrying case
- 2 AA batteries
- Control module hanger
- 2 clothing clips
- Warranty card
- Quick-start and owner's guides

Does the A30 come with an app?
The A30 Aviation Headset does not currently have a companion mobile application. All headset settings are easily managed via the control module.

Does the Bose A30 Aviation Headset have volume knobs?
Yes. Similar to the A20, there are left and right sensitivity adjustment wheels on the control module. These can be used to accommodate differential hearing loss and multiple radio inputs in stereo mode or to help users control radio inputs in one ear to hear outside sound sources more clearly. For larger adjustments, volume tuning is typically done on the audio panel or for each radio.

Can the Bose A30 Aviation Headset be used in all types of aircraft?
Yes. The A30 is optimized for use in general, military and commercial aviation aircraft. It can be used in both fixed-wing aircraft and in helicopters. It can be purchased with different connection options, including Dual G/A, 6 pin LEMO and 5 pin XLR. The A30 is not recommended for open-cockpit aircraft where the headset is in the direct path of the wind and slipstream.

Has the A30 been tested with different pressure and O_2 masks?
Yes. The headset has been tested with several different masks. It is possible to use the headset with many different oxygen delivery systems, including pressure masks.

Is the A30 certified by Airbus, Boeing, Embraer or other airline manufacturers?
It is best to review with the appropriate OEM manager and business development manager for the aircraft or airline in question to get the latest status. Keep in mind that the headset is FAA/EASA TSO certified and has been tested on many different aircraft. Approval to use the headset on any specific aircraft can vary by the type of operation, by country and even by the aircraft certification organization. Bose may be able to assist in getting the appropriate approvals you may require.

Why is the down cable so thick?
The upper cable has 17 individual jacketed conductors, three separate shields (one over the microphone wires, one over the audio wires and a third that covers

all the conductors), a Kevlar stay cord, a Teflon slip sleeve and an over-molded jacket. This design supports the required EMI and EMC performance as well as the durability required by Bose and the FAA/EASA TSO. For example, environmental requirements include flammability testing, bend testing and other Bose testing processes to assure long term durability.

How many new and existing patents does A30 have?

The A30 has over 25 new and existing U.S. patents, making it one of the most heavily patented products Bose has ever produced.

How many different versions and configurations are available for the Bose A30 Aviation Headset?

The Bose A30 comes in many variations, and customers can choose different configurations based on connector, cable, microphone and module (*Bluetooth*® or non-*Bluetooth*®). The most popular aircraft connection option is dual G/A, but flexible power versions with auto-on capabilities are also available in 6 pin and 5 pin XLR configurations.

The most common connection configurations are:

- **Dual plug (PJ 068 and ¼ inch stereo)**: With the dual plug, two AA alkaline batteries provide a minimum of 45 hours of operation while flying. This version is user-configured for stereo or mono audio and is commonly used across all aircraft types.
- **XLR 5 pin:** This configuration, often called the Airbus plug, is a mono connection that's powered by the aircraft or batteries, depending on the aircraft's capabilities. When disconnected, the flexible power feature allows pilots to switch seamlessly between aircraft and battery power.
- **U-174**: The U-174 is a single-plug configuration commonly used in both military aircraft and several helicopter models.
- **(LEMO) 6 pin connector**: With this option, the headset is connected to the aircraft via a 6 pin connector and is powered directly from the aircraft. Two AA alkaline batteries can also be used to enhance flexibility. When disconnected, the flexible power feature allows pilots to switch seamlessly between aircraft and battery power.*

*Bose adapters are available to convert a 6 pin connector to either a dual G/A plug or a U-174 for additional connection flexibility.

Can I comfortably wear glasses with the Bose A30 Aviation Headset?

Yes. The earcups have supple leatherette-covered foam cushions that provide an effective acoustic seal – even over glasses. Pilots should be able to comfortably wear thin-rimmed glasses without significantly diminishing noise reduction.

Can I switch the microphone to either side?

Yes. The integrated boom mic and cable can be attached to either side of the headset with the toolless connector mechanism in a few simple steps.

How does the A30 Aviation Headset work in open cockpits or aerobatic aircraft?

We do not suggest using the headset in open cockpits or in environments without a windscreen. Exposure to the slipstream will negatively impact the headset's performance. For aerobatic aircraft, the low clamping force and lightweight structure may not be stable enough for vigorous aerobatics without the use of a third-party skullcap or retention system. We recommend users try the headset with the 30-day trial to ensure it's compatible with their aircraft.

Does the A30 Aviation Headset have an equalizer (EQ) or a way to equalize the headset audio?

The Bose A30 Aviation Headset has multiple built-in equalization circuits. The primary ICS/radio communications path is designed to meet the latest TSO standard and to optimize voice intelligibility. An additional active EQ helps optimize the experience through the secondary (*Bluetooth*®) audio path for wireless audio sources.

PRODUCT TECHNOLOGY

What is the latest technology in the Bose A30 Aviation Headset?

The Bose A30 Aviation Headset includes several important technology developments. The most significant advancement is the new digital active noise reduction system that provides full attenuation in even louder environments compared to the Bose A20, which is the current industry leader. In addition, the new system provides a renewed balance of attenuation across the entire spectrum of noise based on user selectable modes. Bose proprietary microphones both inside and outside the earcup enable optimized performance in loud environments across a range of frequencies. The small electronics system senses the sound by more effectively measuring, comparing and reacting to produce an opposing cancellation signal. The proprietary ear cushion design provides additional passive attenuation, and the headset design uses carefully selected materials to block noise from entering the ear and further improve comfort. In addition, the headset features a high-performing microphone for communication and a *Bluetooth*® audio communications interface, both weighing in at just a fraction of competing headsets.

How does the noise reduction in the A30 headset compare to the A20?

The A30 has a similar amount of total noise reduction compared to the A20, but with a renewed balance and user selectable modes.

Does the A30 have sensor capabilities similar to other headsets on the market?

At the moment, there are no sensor modules available, but the A30 has advanced architecture to support sensors via modules that can be plugged into the non-boom side of the headset.

NOISE CANCELLATION

How much noise reduction does the Bose A30 Aviation Headset provide? What is the attenuation at different frequencies?

The Bose A30 Aviation Headset provides three modes of user selectable noise cancellation that were individually engineered for specific use cases. “Low” helps optimize interpersonal communication outside the use of an intercom system. “Medium” provides the most consistent amount of reduction across a wide range of frequencies, and “High” provides the most active noise reduction to maximize the signal-to-noise ratio for radio communication. All three modes have been engineered for distinct uses.

Bose does not make claims about the mode of noise reduction. We encourage pilots to try the product in a variety of aircraft to experience the dramatic performance and capability of each mode for themselves.

What is the EPA-rated attenuation of the Bose A30 Aviation headset?

The current methods specified by the EPA Noise Reduction Rating (NRR) cannot be applied to active noise cancelling devices. The EPA is currently redefining the NRR, with an explicit goal of including active noise cancelling devices in its scope. In addition, the latest TSO standards identify the latest ANSI test standards relating to active noise reduction headsets, which Bose both contributes to and complies with.

Does it have an audio output limiter like Sennheiser’s “peak level protection”?

No, there is not a limiter. All headsets provide output up to 110dB, per TSO requirements.

Does Bose offer noise cancelling in helmets for pilots or motorcycles?

Bose does not offer active noise reduction within helmet systems. Bose is always researching ways to solve problems with innovative technology offerings.

What is talk-through tap control?

Double tapping an earcup in high or medium ANC modes will shift that earcup into low mode, enabling voices outside of the intercom to be heard more easily. If the earcup is already in low mode, then tapping will not change the setting.

Do I need special permission to use this headset on my airline? Are STCs required?

Airline requirements vary greatly. Some allow pilots to use headsets of their choice while others require an approved list of products.

Can a hearing aid be worn under or inside the earcup?

Consult your audiologist. Many hearing aids create feedback when amplified sound escapes the ear and is picked up by the device’s microphone. By placing an object near the hearing aid – such as a cupped hand – the amplified sound is reflected to the microphone, making the device more likely to “whistle.” While

many modern hearing aids suppress feedback with digital signal processing, a headset around the hearing aid can result in sustained feedback.

Because hearing loss varies from person to person and across different frequencies, removing the hearing aid and increasing the headset volume may not be sufficient. Consult your audiologist to determine the best configuration for audio intelligibility and the safe operation of the aircraft.

COMFORT

What makes the A30 Aviation Headset so comfortable?

Overall, the Bose A30 Aviation Headset is one of the smallest, lowest-clamping and lightest around-ear active noise cancelling headsets on the market – it's a balance of function and comfort without sacrificing stability.

The headset's angled earcups follow the contours of pilots' heads, and the intentional shape of the headband pads help achieve the highest level of comfort in the lowest possible on-head weight. Additionally, the A30 has distinct left and right earcups with a quick release and a side swappable mic for improved comfort and ergonomics.

What attributes make Bose cushions better?

The materials of the headset cushions were chosen for their soft feel and stable fit. The headband cushion provides the exact amount of force needed to distribute weight and pressure across the head to avoid hot spots or bottoming out.

Have the ear cushions and headband been tested for health, safety and long term use? Have there been any tests regarding skin reactions or test certificates?

Bose does extensive tests to ensure the products we create do not cause skin irritation. When possible, Bose chooses materials that yield the best results for biocompatibility.

Can the new headset be worn when pilots suffer from auditory eczema (exostosis)?

The materials in Bose headset cushions have remained consistent for years with tens of thousands of units in operation without significant issues. In any case, customers with skin conditions should consult a doctor for advice.

What is the weight of the headset without cables?

The total headset weight is 524 grams (18.48 ounces). The on-head weight (includes the headphone and half of the upper cable with boom mic) is 404 grams (14.25 ounces).

BLUETOOTH® AUDIO INPUT

What is the purpose of the *Bluetooth*® input?

The wireless input is available so users can connect external sources such as an EFB or tablet computer, a GPS or even a cell phone.

Is it legal to use a *Bluetooth*® device in the cockpit?

Yes, but pilots are personally responsible for permitting and utilizing personal electronic devices or any devices that emit radio signals. Depending on the country, circumstance and use case, different methods of qualification and approval may be required.

How do I record audio to and from the headset?

Audio is best recorded with the help of separate devices, applications and adapters between the headset and the aircraft to optimize performance. This includes adapters that overlay the recorded audio with video.

How do I control the volume of *Bluetooth*® audio?

Pilots can control the volume from the *Bluetooth*®-connected device or via volume controls on the side of the control module.

CUSTOMIZABLE AUDIO PRIORITIZATION

What is customizable audio prioritization?

Priority switching allows pilots to customize their audio sources. There are two options for audio prioritization:

- Mute: When the switch is in the top position and an intercom signal is detected, all secondary audio sources are muted (streaming *Bluetooth*® and wired auxiliary inputs).
- Mix: When the switch is in the middle position and an intercom signal is detected, *Bluetooth*® audio is mixed with the intercom audio. (Phone calls are always mixed.)

How does customizable audio prioritization work?

The control module has three user-defined prioritization states:

- Mixed audio position: The intercom signal will mix with the auxiliary audio input signals.
- Muted audio position: The auxiliary input signals will be muted when an ICS signal is present.
- Off: Auxiliary audio sources are completely turned off to ensure sterile cockpit operations.

Note: When a *Bluetooth*® call is present, the audio from the call will always mix with the ICS signal. The *Bluetooth*® function is always disabled in the passive mode and when battery life indications are red/low.

MICROPHONE

What kind of microphone does the Bose A30 Aviation Headset have?

The A30 uses a noise cancelling electret microphone (often called a high-impedance microphone), which is typical for aircraft. It is optimized to reject far-field noise and improve performance when used with “hot mic” systems. A 5 ohm and a 150 ohm dynamic microphone are available in specific configurations.

POWER AND BATTERY

What is the battery life of the Bose A30 Aviation Headset?

The A30 operates for a minimum of 45 hours from two AA alkaline batteries in typical aircraft noise. With continuous operation of the *Bluetooth*® function, battery life will last 25-plus hours. As always, battery life varies with the type of battery, noise environment and features used during flight. The headset has a battery life indicator light to signal when batteries need to be replaced.

Can I use rechargeable batteries?

Yes. However, flying-time battery life may be lower than the acclaimed 45-hour life, depending on the type of battery chemistry used. Rechargeable batteries may also alter the accuracy of the battery status indicator light; when the light changes to amber, pilots will likely have less than eight hours of flying time remaining.

Can I use lithium-ion batteries?

Multiple battery chemistries can be used, including lithium-ion batteries. Pilots should be aware that the battery life indications may vary based on the type of batteries used.

How are the batteries installed?

The two AA batteries fit lengthwise in the bottom of the control module. To access the battery compartment, push down and slide the cover toward the headset. After the cover has cleared the detent, lift it into a vertical position and insert the batteries.

What is flexible power?

Flexible power is a feature available for headset configurations that allow aircraft power. This feature allows pilots to switch seamlessly from aircraft power to battery power. If needed, adapters to connect the headset to the aircraft are available for purchase from Bose or third-party manufacturers.

How does the auto-on feature work?

Headsets that can use aircraft power (6 pin LEMO and 5 pin XLR) will automatically turn on when aircraft power is present. A configurable switch inside the control module can disable this feature based on user preference.

How does the automatic shutoff feature work?

The automatic shutoff feature detects when the A30 is not in use and shuts off after several minutes (ranges from 6 to 45 minutes of inactivity) to preserve battery power.

Can I use the Bose A30 Aviation Headset to listen to audio from a *Bluetooth*® device even when I am unplugged from the intercom?
Yes. As long as the headset is turned on, audio can be played through the *Bluetooth*® connection. However, *Bluetooth*® audio will not play when there are less than two hours of battery remaining in the headset.

The *Bluetooth*® capability is available when the headset is turned on and the priority switch is set to either "mix" or "mute."

What does the blue or purple light mean on the *Bluetooth*® module?
The blue and purple lights on the *Bluetooth*® module indicate the status of the *Bluetooth*® functionality. A purple flashing light indicates that *Bluetooth*® is on and the headset is discoverable or pairing but not yet connected to a device. A blue flashing light indicates that *Bluetooth*® is on and connected to a device.

How difficult is it to install a flex-powered version into my aircraft, and how much does it cost?
The process depends on the aircraft and where the aircraft connector would be installed. The system consists of six soldered wires: two audio, two microphone, a ground wire and a power wire. Installing near the existing phone and mic jacks is a quick process because four of the six wires can be attached directly to the back of the jacks. This also allows existing jacks to still be used with conventional headsets.

Why is the battery-powered control module the same size as the installed, aircraft-powered control module?
Installed, or aircraft-powered, versions of the Bose A30 contain a feature called flexible power circuitry. Headsets with flexible power circuitry can be powered by the aircraft or by batteries. This allows users the flexibility of battery power with an adapter cable. Because batteries take up to 70% of the control module space, the modules were designed to be the same size. The adapter cable is useful if you fly in other aircraft without an aircraft-powered connector, or if you want to disconnect from the aircraft for a quiet flight with active noise reduction.

Do the aircraft-powered versions (6 pin LEMO and 5 pin XLR connectors) require batteries for any of the functions?
No. These versions of the Bose A30 Aviation Headset do not require batteries for any function when connected to the aircraft. However, if you have batteries in the module, you can continue to use the headset when it is disconnected from aircraft power. For example, you could make a private phone call with the *Bluetooth*® version of the headset by disconnecting from the panel. It also enables you to use a small adapter cable to fly in other aircraft instead of purchasing a new down cable with different connectors.

BLUETOOTH® QUESTIONS

What *Bluetooth*® profiles does the A30 Aviation Headset offer?

The Bose A30 offers Basic Rate/Enhanced Data Rate (BR/EDR) profiles (Classic *Bluetooth*®).

- Hands-Free Profile (HFP) 1.7.1
- Advanced Audio Distribution Profile (A2DP) 1.3.1, as a sink, including only:
    - SBC codec
    - AAC codec
- Audio/Video Remote Control Profile (AVRCP) 1.6.1
- Human Interface Profile (HID) 1.1
- Serial Port Profile (SPP) 1.2
- DI (Device ID) Profile 1.3
- Audio/Video Control Transport Profile (AVCTP) 1.4
- Audio/Video Distribution Transport Profile (AVDTP) 1.3
- Message Access Profile (MAP) 1.1
- Phone Book Access Profile (PBAP) 1.1.1
- Serial Port Profile (SPP) 1.2

Bluetooth® low-energy technology profiles (BLE)

- Battery Service (BAS)
- Device Information Service (DIS)
- Link Loss Service (LLS)
- Heart Rate Service (HRS)
- Immediate Alert Service (IAS)
- Tx Power Service (TPS)
- Find Me Profile (FMP) 1.0
- HID Over GATT Profile (HOGP) 1.0
- Heart Rate Profile (HRP) 1.0
- Proximity Profile (PXP) 1.0.1
- Scan Parameters Profile (ScPP) 1.0

Bluetooth® low-energy technology services (BLE)

- Battery Service (BAS) 1.0
- Device Information Service (DIS) 1.1
- Link Loss Service (LLS) 1.0.1
- Heart Rate Service (HRS) 1.0
- Immediate Alert Service (IAS) 1.0
- Tx Power Service (TPS) 1.0
- ANCS 1.1

How do I know if my phone is compatible with the Bose A30 Aviation Headset?

If your device is compatible with *Bluetooth*® 5.1 or previous versions, it will connect to the Bose A30.

What do the tricolor LED lights signify on the headset?

The LED lights signify battery life. In addition, the tricolor LEDs allow pilots to extract maximum energy from a set of AA batteries while enabling proactive battery replacements.

Power LED			
LED color	**Power source**	**Type of light**	**Indication**
Green	Aircraft	Slow flashing	Power ON
Green	Battery	Flashing	Power ON, batteries good
Amber	Battery	Fast flashing	Power ON, but batteries low (8 hours or less remaining)
Red	Battery	Faster flashing	Power ON, batteries very low (2 hours or less remaining)
Off	None	None	Power OFF or batteries depleted

***Bluetooth*® LED**	
Type of light	**Indication**
Purple light flashing with power LED	*Bluetooth*® ON, and headset is discoverable for pairing but not yet connected to device
Blue light flashing with power LED	*Bluetooth*® ON and connected to device
OFF	*Bluetooth*® not enabled

Will the Bose A20 Aviation Headset remain available for purchase?
Yes, but only for a limited time and only for specific SKUs. The Bose A30 Aviation Headset will replace the A20. Full repair and warranty service will remain available for the A20 through the warranty term of the product. The A20 will be available only to certain OEMs and the military. The product will not be actively promoted or advertised, including on Bose.com.

PRICING

What justifies the price of the Bose A30 Aviation Headset?
The A30 is the result of years of research by top engineers at Bose. With supporting resources from our world-class company, proprietary technology offered only by Bose has been developed and incorporated into this product. We believe the A30 is the only headset that delivers a performance worthy of its price.

We encourage you to compare our new headset with competitive products and take advantage of the 30-day flight trial to experience the A30 Aviation Headset in your own flying environment.

Do you have a trade-in program for existing Bose Aviation headsets?
Bose occasionally hosts limited-time trade-in offers for select headsets. However, there are no planned upgrade discounts within the first six months of the A30 launch. Please contact Bose for detailed information.

How much are the additional cable accessories?
The most common cable variants include GA dual plug, 5 pin XLR, 6 pin LEMO and U-174. Contact a Bose sales representative for the latest offerings and configurations.

QUALITY AND SERVICE

What replacement items or accessories are available for sale with the Bose A30 Aviation Headset?
Bose offers the following accessories for the A30 Aviation Headset:

- Additional control module cable including the U174, XLR 5, 6 pin LEMO, and dual plug
- Ear cushion replacement kit
- Service accessory kit (ear cushions, headband cushion and mic windscreen)
- Carrying case
- Microphone windscreen
- Clothing clip
- Control module hanger
- 6 pin install to dual G/A cable adapter
- 6 pin install to U174 cable adapter
- Aircraft panel connector installation kit
- Aircraft panel installation kit cover plate

- Earcup terminator block

How does the Bose A30 Aviation Headset withstand the pressures of aviation?

The Bose A30 Aviation Headset delivers breakthrough performance while withstanding the rigors of aviation. The materials used to construct the A30 were carefully chosen for their function and durability. The headset meets FAA requirements and has TSO C139a approval for the design and manufacturing process. It also meets additional Bose requirements based on years of experience.

How often should I expect to replace headset accessories?

The ear cushions, microphone windscreen and headband cushion should be replaced periodically. We suggest replacing the ear cushions and microphone windscreen at least yearly (or more often with excess wear).

Can I interchange the control modules or other parts and accessories from my A20 or ProFlight with those from the A30?

No. The control module can be used only with the model for which it was built. Although some of the cushions and parts may be forced onto the Bose A30 Aviation Headset, they were not designed for this product.

What is included in the five-year warranty?

The warranty for the Bose A30 covers five years from the date of purchase and includes defects in material and workmanship with parts, labor and one-way return shipping from Bose – all provided at no charge to the customer.

Bose maintains a dedicated FAA-certified repair station to support all versions of Bose aviation headsets and has certified repair centers around the globe to provide timely services.

For the latest warranty information, visit Bose.com.

CERTIFICATIONS AND TSO

What is TSO and why is it important?

A technical standard order (TSO) is a minimum performance standard for specified materials, parts and appliances used on civil aircraft. TSO authorization means a company is authorized to manufacture a material, part or appliances to TSO standards. When a company receives a TSO authorization, the products meet the minimums for both design and production.

Receiving a TSO authorization **is not** an approval to install and use the authorized article in the aircraft.

How do I prove to a check pilot that a product is TSO-certified?

There are markings inside the control module and under the headband pad of the headset that indicate TSO certification.

What is Bose's position on the InFO document from the FAA on noise cancelling headsets?

Bose supports the recommendation in the InFO memo, which says operators should thoroughly evaluate headset performance in their own aircraft. Each aircraft type has unique acoustic qualities, and Bose believes real-world testing is the best way to evaluate performance.

The Bose A30 Aviation Headset meets or exceeds all FAA TSO requirements for pilot headsets and has been thoroughly tested in various aircraft. Civilian and military pilots have accumulated millions of flight hours during the 25-plus years our products have been in the field.

How easy is it to hear other crew members in a lower-noise environment with the headset on?

Because active noise reduction technology excels at lower frequencies (below 1 khz), the Bose A30 Aviation Headset will not completely cancel voices. Essentially, this means that voices can be heard in situations where they would normally be completely drowned out by aircraft and wind noise. In addition, the low mode of operation helps optimize communication outside the use of an intercom. Talk-through tap control shifts the tapped earcup into this low mode and improves directional hearing for communication on just the ear that was tapped.

PREVIOUS HEADSETS

What are the advantages of the A30 over the Bose A20 Aviation Headset and prior generation headsets?

The Bose A30 Aviation Headset is our most advanced aviation headset yet.

<u>Compared to the Bose A20 Aviation Headset, it has:</u>

- Enhanced comfort achieved through a purposeful design with quality materials, redistribution of weight throughout the headset and reduced clamping force.
- Digital active noise reduction with three modes of active noise cancellation.
- Tap control.
- A thinner, more flexible down cable.
- A swappable down cable (no tools required).
- Storage in a smaller carrying case.

Pre-2015 Bose A20 models*:

- A2DP: streaming *Bluetooth*® audio.
- Auto-on (select models using aircraft power).
- High-performance microphone.
- Coil cord option.

*Note: These features are not present in all versions.

<u>Compared to the Series I and II, it has:</u>

- Significantly less weight and is designed for greater comfort with lower clamping force.
- At least 45 hours of battery life from two AA batteries. (Series I had a large NICAD system or large plug installation for power; Series II had a six AA battery pack or small dime-size installation.)
- Storage in a more compact space and bag.

Why is the control module larger than the Bose Aviation Headset X version?
The size of the Bose A30 Aviation Headset control module is comparable to the size of the Bose A20 Aviation Headset.

The A30 Aviation Headset offers battery power with all configurations, giving customers the flexibility to use aircraft power (when available) or battery power. Flexible power allows pilots to switch between aircraft power and battery power for a seamless communication experience. If the aircraft provides power to the headset, batteries are not required.

I have Series II installed in my aircraft. How do I upgrade my panel?
No updates are required. The Bose A30 is ready for use.

How do I know which previous headset version I have?
Aviation Headset Series I features an on/off switch and volume controls on a separate control module. Some Series I headsets have clear windows on the earcups that allow a view of the earcup electronics.

Aviation Headset Series II headsets have dual volume controls and an on/off switch located on the headset behind the left arm board.

Aviation Headset X can be identified by the magnesium headband and domed, smooth earcups with a single port in the middle of the cups. The modules (both portable and installed) have an on/off button and dual volume controls.

The A20 Aviation Headset has Mute/Mix/Off switch position labels on the control module. The earcups on the A20 also have two separate ports on each earcup.

LEGAL DISCLAIMER