

ENGLISH

INSTRUCTION MANUAL

SMART SENSE Situational Awareness Bluetooth® Earbuds

- DUAL OMNI-DIRECTIONAL MICROPHONES
- BLUETOOTH 5.3 TECHNOLOGY
- CAPACITIVE TOUCH CONTROLS
- INSTANT NOISE COMPRESSION AND LOW LEVEL AMPLIFICATION
- 10 HOURS RUNTIME ON SINGLE CHARGE, 30 HOURS WITH CHARGING CASE
- NOISE REDUCTION RATING (NRR) OF 22dB

ESPAÑOL pg. 19

FRANÇAIS pg. 37

**KLEIN®
TOOLS**



AESEB1S



GENERAL SPECIFICATIONS

Klein Tools SMART SENSE Situational Awareness Bluetooth® Earbuds keep users aware of their surrounding environment while simultaneously being able to enjoy a high-quality stereo audio via Bluetooth 5.3 technology. Soft memory-foam tips provide hearing protection up to 22dB NRR, while silicone tips ensure an immersive audio experience. Durable charging case nylon carabiner strap allows for convenient carrying outside the pocket.

- **Earbud Dimensions:** 0.37" × 0.76" × 1.41" (9.5 × 19.35 × 35.73 mm)
- **Charging Case Dimensions:** 1.26" × 1.76" × 3.07" (32.0 × 44.7 × 78 mm)
- **Weight (Charging Case and Earbuds):** 2.75 oz (78 g)
- **Bluetooth® Version:** 5.3
- **Bluetooth® Connection Range:** 32.8 ft. (10 m) in open space
- **Hearing Protection:** 22dB NRR (with memory foam tips)
- **Supported Profiles:** A2DP/AVRCP/HFP/HSP/GAVD
- **Frequency Response:** 20Hz – 20kHz
- **Earbud Battery Type:** Li-Ion Coin Cell, 3.7V / 85mAh (0.315Wh)
- **Case Battery Type:** Li-polymer, 3.7V / 720mAh (2.66Wh)
- **Charging Requirements:** Maximum 5V DC, Minimum 1A
- **Charge Time: Earbuds:** Approx. 2 hours **Case:** Approx. 2 hours
- **Runtime (70% volume):** ~10 hours w/ earbuds only, ~30 hours w/ charging case
- **Maximum Volume:** 96 dBA, 16 volume levels

GENERAL SPECIFICATIONS

- **Certifications:** FCC, IC, DOE/CEC, NRCAN, BQB
 - **FCC ID:** 2AI28-AESEB1S **IC:** 21655-AESEB1S
- **Operating/Charging Temperature:** 32° to 113°F (0° to 45°C)
- **Storage Temperature:** 14° to 122°F (-10° to 50°C)
***NOTE:** Periodic recharging is recommended during prolonged storage.*
- **Relative Humidity:** <90% non-condensing
- **Drop Protection:** 6.6' (2 m)
- **Ingress Protection (IP) Rating:** Earbuds: IP54 **Case:** IP5X

Specifications subject to change.

CONTENTS

- AESEB1S SMART SENSE Situational Awareness Bluetooth® Earbuds
- Charging Case
- 2' (61 cm) USB-A to USB-C Cable
- 3 Sets of Memory Foam Tips (for hearing protection)
- 3 Sets of Silicone Tips (for casual listening)
- This instruction manual

SYMBOLS ON PRODUCT



Warning or Caution



Risk of Electrical Shock



Read Instructions



Bluetooth® SIG Certified



WEEE: Electronics Disposal

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WARNINGS

Read, understand, and follow these instructions to ensure safe operation. Keep these instructions for future reference.

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protection at all times that you are exposed to noise may result in hearing loss or injury.

- Silicone tips on earbuds DO NOT provide hearing protection. ONLY memory foam tips on earbuds provide hearing protection.
- Use only appropriately sized Klein Tools memory foam tips for hearing protection in loud-noise environments. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the OPERATING INSTRUCTIONS section for proper fit.
- Prolonged exposure to high volumes can cause hearing damage. It is the responsibility of the user to set the audio input level to the recommended volume. See table on next page for noise exposure levels.
- DO NOT use this product in situations that require special attention: using noise reduction equipment and listening to audio can reduce awareness of the surrounding environment.

Failure to observe these warnings can result in risk of fire or electric shock.

- DO NOT use the product if it is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or injury.
- Risk of fire and burns. DO NOT open, crush, heat above specified maximum temperature or incinerate. Prolonged exposure to direct sunlight can result in elevated temperatures.

WARNINGS

- DO NOT immerse in water or other liquids.
- Properly seal the charging port cover to achieve specified water & foreign object ingress protection. Keep seal free of dirt, oil, sand, or other material that interferes with proper sealing. Failure to do so can result in risk of fire or electric shock.
- DO NOT open the charging port cover if wet or in a wet environment. Thoroughly dry the unit and the seal around water-resistant cover completely before opening water resistant cover
- DO NOT subject to impacts or drops greater than 6.6ft (2m). Drops larger than this may not show signs of damage, but internal components may have been compromised. It is advisable to replace the unit if any such severe events occur.
- DO NOT attempt to repair the product or charging cable. There are no user-serviceable parts.

NOISE EXPOSURE VALUES

EXPOSURE TIME	EXPOSURE LEVEL PER NIOSH RECOMMENDED EXPOSURE LIMIT	EXPOSURE LEVEL PER OSHA PERMISSIBLE EXPOSURE LIMIT
8 hours	85 dBA	90 dBA
4 hours	88 dBA	95 dBA
2 hours	91 dBA	100 dBA
1 hour	94 dBA	105 dBA
30 minutes	97 dBA	110 dBA
15 minutes	100 dBA	115 dBA

See www.cdc.gov/niosh/topics/noise/reducenoiseexposure for more details.

FEATURE DETAILS



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NOTE: There are no user-serviceable parts inside.

FEATURE DETAILS

- ① Capacitive Touch Area (on each earbud)
- ② Dual-Color Earbud LEDs (on each earbud)
- ③ Omni-Directional Microphone (on each earbud)
- ④ Bluetooth® Microphone (on each earbud)
- ⑤ Charging Case Cover
- ⑥ Charging Case LED
- ⑦ USB-C Silicone Port Cover
- ⑧ USB-C Port
- ⑨ Nylon Carabiner Strap
- ⑩ USB-A to USB-C cable
- ⑪ Memory Foam Tips (3 sets)*
- ⑫ Silicone Tips (3 sets)*

****NOTE: Silicone Tips ⑫ are intended for casual listening only.
When hearing protection is required, use the Memory Foam Tips ⑪.*** 7

NOISE REDUCTION RATING (NRR)

The NRR for the AESEB1S SMART SENSE Situational Awareness Bluetooth® Earbuds is 25dB. It is tested and in accordance with ANSI S3.19-1974. To ensure adequate hearing protection, the provided memory foam tips must be used with the Bluetooth® Jobsite Earbuds.

ANSI S3.19-1974 TESTING

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation	29.7	29.3	26.3	27.3	33.8	37.5	34.5	40.1	40.9	22
Standard Deviation	3.6	2.8	3.5	3.3	2.9	2.3	2.2	3.6	2.5	

The level of noise entering a person's ear when the hearing protector is worn as directed, is closely approximated by the difference between the A-Weighted environmental noise level and the Noise Reduction Rating (NRR).

EXAMPLE:

- The environmental noise level as measured at the ear is 93dB(A).
- The NRR is 22dB.
- The level of noise entering the ear is approximately equal to 71dB(A).

NOISE REDUCTION RATING (NRR)

⚠ CAUTION: For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used.

NOTE: *Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. The Environmental Protection Agency uses the Noise Reduction Rating (NRR) as a rating of a hearing protector's noise-reducing performance. Klein Tools cannot guarantee the suitability of the NRR as a method of rating protection as protection relies on the level and exposure of sound and how well a product fits.*

AUDIO INPUT LEVEL

The audio level in the hearing protector is dependent on the audio input level. To prevent harmful noise levels, the AESEB1S SMART SENSE Situational Awareness Bluetooth® Earbuds automatically default to 85dB(A) when connected to music device. If the hearing protector is connected to a music device with a high audio output level, it is the user's responsibility to set the audio input level to safe level. See table in WARNINGS section for noise exposure levels.

OPERATING INSTRUCTIONS**CHARGING THE CASE**

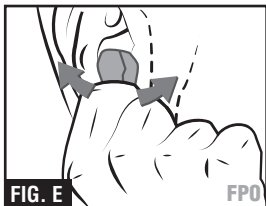
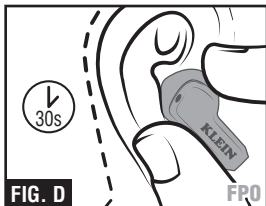
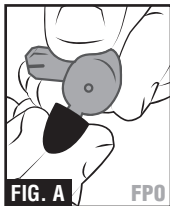
Open the USB-C Port Cover **7** and insert the USB-C end of the included charging cable **10** into the USB-C Port **8** of the charging case. Connect the USB-A end of the cable into an appropriate charging source (not included, see GENERAL SPECIFICATIONS section).

While the case is charging (0% to 99%), the Charging Case LED **6** will breathe red (dim to bright). Once the case is fully charged (100%), the Charging Case LED **6** will turn green.

CHARGING THE EARBUDS

Provided the charging case has been charged, open the Charging Case cover **5** and place the earbuds in their respective slots. The Charging Case LED **6** will flash white indicating the earbuds are successfully charging, and will stop flashing once fully charged.

OPERATING INSTRUCTIONS



OPERATING INSTRUCTIONS

USING MEMORY FOAM TIPS ⑪ FOR HEARING PROTECTION

 **WARNING:** *Inspect before each use. Damage to the memory foam tip can reduce noise reduction performance.*

INSERTING EARBUDS INTO EARS

The AESEB1S comes with three silicone ⑫ and three memory-foam ⑪ eartip sets:

The silicone eartips ⑫ are best suited for casual or leisure use.

The memory foam ⑪ eartips must be worn for hearing protection (NRR):

1. Choose the eartip size (S/M/L) that best fits your ear canal and install onto the earbuds (FIG. A). Inspect each tip for dirt and damage before use.
2. With clean hands, roll and compress the memory foam tips along the stem of the earbud (FIG. B).
3. Reach over your head with free hand to pull your ear up and back and insert the memory foam tip portion of the earbud as deep as possible (FIG. C).
4. Hold the earbud and wait 30 seconds, until the memory foam tips are fully expanded (FIG. D).
5. Rotate the earbud if necessary to make sure the earbuds rest firmly and securely inside the inner ear (FIG. E).
6. Repeat process for other earbud.

OPERATING INSTRUCTIONS

TURNING EARBUDS ON/OFF

ON: If the earbuds are inside the charging case, opening the Charging Case Cover ⑤, will automatically power on the earbuds. If the earbuds are not inside the case, touch and hold the Capacitive Touch Area ① on either earbud for 1.5 seconds.

OFF: Placing both earbuds into the charging case and closing the Charging Case Cover ⑤ will automatically power off the earbuds. Alternatively, touch and hold the Capacitive Touch Area ① on either earbud for 5 seconds.

PAIRING

After successfully powering on, the earbuds will automatically enter Bluetooth® pairing mode. “Pairing” voice prompt will be heard and the Earbud LEDs ② will alternate between flashing Red and Blue every second. To pair with your device:

1. Ensure that Bluetooth is enabled on your device and it has discovered “Klein SMART SENSE Buds” in the pairing list.
2. Select “Klein SMART SENSE Buds” and upon successful connection, “Connected” voice prompt will be heard, and the Earbud LEDs ② will turn solid blue for three seconds, then turn off.

NOTES: 1) *In the event auto pairing fails, power the earbuds off and on again.*
2) *The earbuds will automatically attempt to connect to the last paired wireless device when turned on, but are ready to pair with any compatible device within two minutes of powering on if the last paired device is not detected.*

AUTO POWER-OFF

If no Bluetooth device is connected and situational awareness is off, the earbuds will automatically power off after 10 minutes.

OPERATING INSTRUCTIONS

LEFT EARBUD

Music Controls:

Play/Pause: Single-tap Capacitive Touch Area ❶.

Next Track: Double-tap Capacitive Touch Area ❶.

Previous Track: Triple-tap Capacitive Touch Area ❶.

Controls During Phone Calls:

Answer / End Call: Single-tap Capacitive Touch Area ❶.

Reject Call: Touch & hold Capacitive Touch Area ❶ for one second.

End Current Call, Answer Incoming Call: Single-tap Capacitive Touch Area ❶.

Hold Current Call, Answer Incoming Call: Double-tap Capacitive Touch Area ❶.

Switch Between Two Active Calls: Double-tap Capacitive Touch Area ❶.

End Current Call and Other Call on Hold: Touch & hold Capacitive Touch Area ❶ for one second to end new call, then touch & hold again to end initial call.

Cancel Outgoing Call: Single-tap Capacitive Touch Area ❶.

NOTE: In-call volume is adjustable on phone only, not via earbud controls.

Other functions

Enter Voice Assistant: Touch & hold Capacitive Touch Area ❶ for 1.5 seconds.

Exit Voice Assistant: Single-tap Capacitive Touch Area ❶.

OPERATING INSTRUCTIONS

RIGHT EARBUD

Ambient Controls:

Ambient On/Off: Touch & hold Capacitive Touch Area ❶ for 1.5 seconds.

Volume Up: Single-tap Capacitive Touch Area ❶.

Volume Down: Double-tap Capacitive Touch Area ❶.

COMPLIANCE

FCC COMPLIANCE

 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.

NOTE: *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

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 the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

COMPLIANCE

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

FCC RF EXPOSURE STATEMENTS:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC RF Exposure Guidelines. This device must not be co-located or operated in conjunction with any other antenna or transmitter.

IC COMPLIANCE

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). 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 of the device.

This device complies with RSS-247 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference. This Class B digital apparatus complies with Canadian ICES-003.

IC RADIATION EXPOSURE STATEMENT:

The equipment complies with SAR limits set forth for an uncontrolled environment and meets the RSS-102 of the IC RF Exposure Rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

MAINTENANCE

CLEANING: Be sure earbuds are turned off and case is unplugged, and wipe with a clean, dry lint-free cloth. ***Do not use abrasive cleaners or solvents.***

STORAGE: If the earbuds are to be left unused for an extended period of time, charge before storing, and recharge periodically during storage, to maintain battery's charging capacity.

WARRANTY

www.kleintools.com/warranty

DISPOSAL / RECYCLE

Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see **www.epa.gov/recycle** for additional information.

CUSTOMER SERVICE**KLEIN TOOLS, INC.**

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NOTES

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CONFORMITÉ

CONFORMITÉ À LA FCC

⚠ L'appareil est conforme à la partie 15 des règles de la FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne peut causer d'interférences nuisibles; et (2) il doit accepter toute interférence reçue, notamment celles pouvant entraîner un fonctionnement indésirable.

REMARQUE : *Tout changement apporté sans qu'il soit expressément approuvé par la partie responsable de la conformité peut annuler le droit de l'utilisateur d'utiliser l'appareil.*

Cet appareil a fait l'objet d'essais prouvant qu'il respecte les limites imposées aux appareils numériques de classe B, conformément à la partie 15 des règles de la FCC. Ces limites sont destinées à fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet appareil génère, utilise et peut émettre des radiofréquences; s'il n'est pas installé et utilisé conformément à ces instructions, il peut causer des interférences nuisibles aux communications radio. Il n'existe toutefois aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si l'appareil cause des interférences nuisibles à la réception des signaux de radio ou de télévision, ce qui peut être déterminé en éteignant et en allumant l'appareil, l'utilisateur peut tenter de corriger la situation par un ou plusieurs des moyens suivants :

- Réorienter ou relocaliser l'antenne réceptrice.
- Augmenter la distance entre l'appareil et le récepteur.
- Brancher l'appareil dans une prise ou sur un circuit électrique différent de celui ou celle où le récepteur est branché.
- Demander de l'aide au détaillant ou à un technicien expérimenté en radio ou en télévision.

CONFORMITÉ**ÉNONCÉS DE LA FCC SUR L'EXPOSITION AUX RADIOFRÉQUENCES**

Cet équipement respecte les limites d'exposition aux radiofréquences de la FCC énoncées pour les environnements non contrôlés et les directives relatives à l'exposition aux radiofréquences de la FCC.

Cet appareil ne doit pas être installé ou exploité conjointement avec d'autres antennes ou émetteurs.

CONFORMITÉ À INDUSTRIE CANADA

L'émetteur ou le récepteur exempté de licence contenu dans le présent appareil est conforme aux Cahiers des charges sur les normes radioélectriques d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exemptés de licence. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne peut causer d'interférences nuisibles; et (2) il doit accepter toute interférence reçue, notamment celles pouvant entraîner un fonctionnement indésirable.

Cet appareil est conforme à la norme CNR-247 d'Industrie Canada. Le fonctionnement est soumis à la condition que cet appareil ne produit pas d'interférences nuisibles. Cet appareil numérique de classe B est conforme à la norme canadienne NMB-003.

ÉNONCÉ D'INDUSTRIE CANADA SUR L'EXPOSITION AUX RAYONNEMENTS

Cet équipement respecte les limites SAR énoncées pour les environnements non contrôlés et les exigences du CNR-102 sur l'exposition aux radiofréquences d'Industrie Canada.

Cet émetteurs ne doit pas être installé ou exploité conjointement avec d'autres antennes ou émetteurs.