

SEHT



**SH 40-10
AVIATION HEADSET**

**USER MANUAL
Edition 1**

HEADSET OPERATION

1. Rotate the flexible boom overhead to wear the microphone on either the right or left side of the head.
2. Rotate the headset volume controls (on the ear shells) fully counter-clockwise to the minimum position, before the headset plug is inserted into the aircraft or intercom.
3. With the headband resting securely on the top of the head check that the ear seal are centred over the ears.
4. For best noise cancellation, position the microphone 0-6mm from your mouth.
5. Insert the microphone plug (PJ068) into the aircraft intercom microphone jack socket. Insert the earphone plug (PJ055) into the aircraft intercom earphone jack socket.
6. The headset ANR circuitry is automatically switched on when the connectors are inserted into the aircraft intercom system. The LED on the battery module will flash approximately once every 5 seconds to indicate working and healthy battery power.
7. Rotate the headset volume knobs clockwise to a comfortable level.

CAUTION

1. Proper fit is critical to noise attenuation effectiveness. When wearing the headset always push the headband down until it rests comfortably on the top of your head. Move the ear cups slightly up or down or from side to side until you feel maximum attenuation. The use of eyeglasses will reduce the attenuation, use thin temples on your glasses to keep noise leakage at a minimum.
2. Use in Impulsive Noise Area: NRR is based on continuous noise and is not an accurate indicator of the attenuation of impulsive noise such as gunfire. For maximum protection we recommend the use of ear plugs in addition to a headset in such environments..
3. Maintenance and Cleaning: In order for your headset to continue working properly, always comply the following:
 - a. Never alter your headset.
 - b. If you see a defect such as splits in cups etc seek immediate replacement or return to an approved SEHT service centre for repair.
 - c. Always fit SEHT approved replacement parts/accessories
4. Cleaning Instructions
 - a. Do not immerse in water.
 - b. Clean regularly with mild soap water. Sponge off head pad and ear seals, Taking care to rinse thoroughly

SPECIFICATIONS

Noise Reduction Rating (NRR): 24dB

Headphone:

Type:	Dynamic
Frequency Response:	50Hz to 20kHz
Sensitivity:	95±5dB SPL (1kHz, 1mW input per side)
Active Noise Attenuation:	Dynamic 42 Ohms: Rated Input: 30mW, Max. Input: 100mW
Speech Sound:	Dynamic 300 Ohms: Rated Input: 30mW, Max. Input: 100mW (full volume on ear simulator)

Microphone and Amplifier:

Element Type:	Noise-cancelling electret
Frequency Response:	100Hz to 5kHz
Operating Voltage:	8-32VDC (supplied by aircraft)
Matching Impedance:	150-1000 Ohms
Sensitivity:	-33±4d (ref: 0dB SPL=20.0uPa at 1kHz with 10 VDC 150 Ohms AC load)

General:

Operating Temp:	-20 to 70°C
Cord:	Straight cord from headset to moulded plugs, 150cm
Connections:	Earphone Plug : PJ-055 (0.25" 6.30 phone plug) Microphone Plug : PJ-068 (0.206" 5.20 phone plug)
Weight:	300g

Noise Reduction Specifications:

Attenuation Frequency Band	20Hz~20KHz
Main Attenuation Frequency Band	20Hz~600Hz
Attenuation Capability	18~21dB
Power Consumption	30mW

General:

Height:	10 to 14cm
Colour:	Black
Boom:	Flexible