

HS 600 DANR

Aviation Headset

Order # 484.911

beyerdynamic 

FEATURES

- Ambient noise attenuation of approx. 40 dBA due to Digital Adaptive Noise Reduction (DANR)
- Powered by two AA batteries (permanent operation > 30 hrs.) or via the aircraft system (12 - 36 V) and the supplied cable with 3-pin XLR male connector (delivery includes appropriate female connector)
- Ear pads and headband pad made of soft glove leather
- Audio box to connect mobile phones or music players (supplied with 2 connecting cables)
- Automatic volume reduction of phone or music player when signals from the intercom occur (selectable function)
- Mono/Stereo selection switch
- Noise-compensated microphone with adjustable gain
- Integrated volume control
- Rugged headband design made of spring steel with soft, replaceable headband pad
- Light weight of approx. 325 g (without cable)
- Modular construction for easy servicing
- Five-year warranty

APPLICATIONS

The HS 600 DANR is a closed-back aviation headset for the use in propeller and turboprop aircrafts. The innovative DANR system (Digital Adaptive Noise Reduction) provides an effective ambient noise attenuation of approximately 40 dB. The headphone features a very high reproduction precision and a balanced sound. Another special feature is the wide frequency response of 5 - 30,000 Hz.

The soft, circumaural leather ear pads and the adjustable padded headband provide a high comfort. The microphone with adjustable gain can be optimally positioned with the flexible gooseneck. The cardioid polar pattern ensures a high gain before feedback and noise cancellation. The rotating microphone holder allows positioning the microphone on the right or left hand side.

The single-sided connecting cable provides an audio box to adjust the volume of the headphone and to connect a mobile phone or music player (e.g. CD or MP3 player). If signals from the intercom occur, the volume of the mobile phone or music player can be reduced automatically. This function can also be switched off.



SUPPLIED ACCESSORIES

- Padded leather case
- Wind shield for the microphone
- 2 AA batteries
- Connecting cable for mobile phones
- Connecting cable for portable music players such as CD or MP3 players
- Connecting cable for external power supply
- 3-pin XLR socket for installation into the aircraft

Customised versions can be supplied with different accessories.

SPARE PARTS

EDT 300 LS Ear pads, black, leather Order # 900.702
WS 20 sw Wind shield, black Order # 439.975

Germany

beyerdynamic GmbH & Co. KG
Theresienstr. 8 · 74072 Heilbronn – Germany
Tel. +49 (0)7131 / 617-0 · Fax +49 (0)7131 / 617-224
info@beyerdynamic.de · www.beyerdynamic.de

United States

beyerdynamic Inc. USA
56 Central Ave. · Farmingdale, NY 11735
Tel. +1 (631) 293-3200 · Fax +1 (631) 293-3288
salesUSA@beyerdynamic.com · www.beyerdynamic.com

Great Britain

beyerdynamic U.K. Ltd.
17 Albert Drive · Burgess Hill RH15 9TN
Tel. +44 (0)1444 / 258258 · Fax +44 (0)1444 / 258444
sales@beyerdynamic.co.uk · www.beyerdynamic.co.uk

HS 600 DANR



TECHNICAL SPECIFICATIONS

Headphone

Transducer type..... Dynamic
 Operating principle Closed
 Frequency response 5 - 30,000 Hz
 Nominal impedance mono/stereo... 40 Ω / 80 Ω
 Nominal SPL 105 dB
 T.H.D. < 0.2%
 Power handling capacity 100 mW
 Sound coupling to ear circumaural
 Ambient noise attenuation approx. 40 dBA
 Nominal headband pressure 6.5 N

Microphone

Transducer type..... Condenser
 (back electret)
 Frequency response 400 - 15,000 Hz
 Polar pattern Cardioid
 Sensitivity at 114 dB 70 mV - 900 mV,
 adjustable
 Max. SPL 120 dB
 Nominal impedance approx. 350 Ω
 Current consumption approx. 6 - 18 mA
 Supply voltage typ. 16 V DC
 (8 - 16 V DC, acc. to
 RTCA/DO 214)

General

Weight
 without cable / audio box approx. 325 g
 Cable length 1.80 m
 Connections
 Headphone 1/4" stereo jack plug
 (6.35 mm)
 Microphone PJ-068 jack plug
 Music player / mobile phone 1/8" jack socket
 (3.5 mm / 4-pole)
 Power supply audio box 2 x 1.5 V AA batteries
 or rechargeable
 batteries, alternatively
 12 - 36 V DC from
 on-board system via
 3-pin XLR connector
 approx. 80 mA
 when powered by
 batteries or
 rechargeable batteries
 max. 30 mA when
 powered via on-board
 system
 Operating time DANR > 30 hrs. when
 powered by batteries
 or rechargeable batteries

FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.

