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Product Information Sheet

Canford DMH320 Series Headset

DESCRIPTION

New generation headset, developed from the long established DMH200 series specifically designed for professional use. Useful both in communications systems and as an on-air commentator or reporter headset the DMH320 provides the comfort and durability which the DMH200 series has become renowned for. The headset is mechanically robust and is made from a flexible composite material that will not break if dropped or stepped on. The dual-chamber foam-filled ear shells are larger on the DMH300 series than the DMH200 for improved comfort and high acoustic isolation reducing ear fatigue in noisy environments.

A broadcast quality noise-cancelling balanced 200 ohm dynamic microphone is fitted which has good resistance to breath and wind noise as well as a 40Hz-15kHz frequency response. The patented boom design is unique in that it can be adjusted to any position either as a right or a left hand headset with positive detent stops for easy positioning. Total rotation of the boom arm is 300° and swinging up in either direction shuts off the mic. The boom itself is fully flexible and can be bent into the optimum position to suit the user.

The 1.8 metre headset cable is specially designed to minimise crosstalk between the microphone and the ear loudspeakers with a high resistance to fatigue failure.



54-310 CANFORD SMH310U HEADSET Single ear
54-320 CANFORD DMH320U HEADSET
54-321 CANFORD DMH320RT HEADSET

HEADSET TERMINATIONS

DMH320U and DMH310U supplied unterminated.

DMH320RT terminated with 5 pin XLR male.

DMH320RT supplied with a 300mm 5 pin XLR female breakout cable with 3 pin XLR male microphone and 3 pole A-gauge plug earpieces connections, (wired unbalanced stereo).

Wiring	DMH320U	DMH310U	DMH320RT	
Brown	Left Ear +	Earpiece +	5XLR pin 5	Jack Ring
Orange	Left Ear -	Earpiece -	5XLR pin 1	Jack Sleeve/XLR3M Pin 1
Blue	Right Ear +	Earpiece +	5XLR pin 1	Jack Sleeve/XLR3M Pin 1
Red	Right Ear -	Earpiece -	5XLR pin 4	Jack Tip
Yellow	Mic +	Mic +	5XLR pin 2	XLR3M Pin 2
Green	Mic -	Mic -	5XLR pin 3	XLR3M Pin 3
Screen	Mic Screen	Mic Screen	5XLR pin 1	Jack Sleeve/XLR3M Pin 1

Earpieces wired out of phase with mic signal to minimise feedback when using sidetone and headset removed from user.

TECHNICAL SPECIFICATION

HEADPHONES:	**DMH320**	**SMH310**
Type:	dynamic transducer	dynamic transducer
Frequency response:	16Hz-10kHz	10Hz-34.2kHz
Nominal impedance:	400Ω/earpiece	400Ω
Sound pressure level:	≥94dB	≥94dB
Continuous power rating:	100mW (DIN 45582)	100mW (DIN 45582)
External noise isolation:	>25dBA	>18dBA
Weight (w/o cord):	350g	220g
Length of cord:	1.80m	1.80m
MICROPHONE:		
Transducer type:	dynamic transducer	dynamic transducer
Frequency response:	40Hz-15kHz	40Hz-15kHz
Polar pattern:	Cardioid noise rejecting	Cardioid noise rejecting
Nominal impedance:	200Ω balanced	200Ω balanced
Front to back ratios:	>15dB	>15dB
Close talking sensitivity:	≥3mV	≥3mV
Boom swivel:	300°	300°
Mic switch:	mechanical microswitch s.p.d.t. shorted when boom is up.	