

# Product Specifications

## BRH50M Premium Broadcast Headset

### Overview

Dual-sided, supra-aural headset with lightweight on-camera design provides exceptional audio quality, comfort and durability for demanding media production applications. High performance dynamic microphone features a cardioid polar pattern and frequency response optimized for natural, intelligible vocal reproduction. Microphone boom pivots 270 degrees for left or right side wear, and user-replaceable parts provide for a long product life.

### Features

- Closed-back, supra-aural earcups with low-profile, on-camera design.
- High performance dynamic microphone with cardioid polar pattern and frequency response delivers natural, intelligible voice reproduction optimized for on-air broadcast.
- Fully adjustable headband for comfortable, ergonomic fit
- Boom microphone pivots 270 degrees for precise positioning with left or right side wear
- Single-side, detachable cable connector. Kevlar® reinforced for increased durability. See table below for additional cable options.
- Legendary Shure durability designed under rigorous quality standards to withstand the demands of everyday, professional use
- User-replaceable ear pads and windscreen provided for long product life



BRH50M Dual Sided Premium Broadcast Headset

### Available SKUs

<b>BRH50M-LC</b>	Dual-sided premium broadcast headset with dynamic microphone, without cable
<b>BRH50M</b>	Dual-sided premium broadcast headset with dynamic microphone, detachable 7.5m cable (terminates to 3-pin XLR / 1/4" connectors)

### Specifications

Net Weight (without cable)	208 g (7.4 oz.)
Operating Temperature	18 to 60 °C (0 to 140 °F)
Storage Temperature	-29 to 74 °C (-29 to 165 °F)
Relative Humidity	0 to 95%

#### Microphone

Type	Dynamic, neodymium magnet
Polar Pattern	Supercardioid
Frequency Response	40 to 16,000 Hz
Output Impedance	250 Ohms
Sensitivity (@ 1 kHz, open circuit voltage)	-60.0 dBV/Pa 1 Pa = 94 dB SPL
Polarity	Positive pressure on diaphragm produces positive voltage on pin 1 (red wire) with respect to pin 2 (black wire)

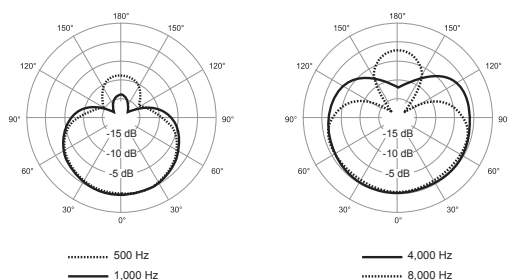
#### Headphone

Transducer Type	Dynamic, Neodymium magnet
Driver Size	40 mm
Frequency Range	20 to 20,000 Hz
Sensitivity (@ 1 kHz)	110 dB SPL/mW
Impedance (@ 1 kHz)	300 Ohms
Maximum Input Power	1000 mW

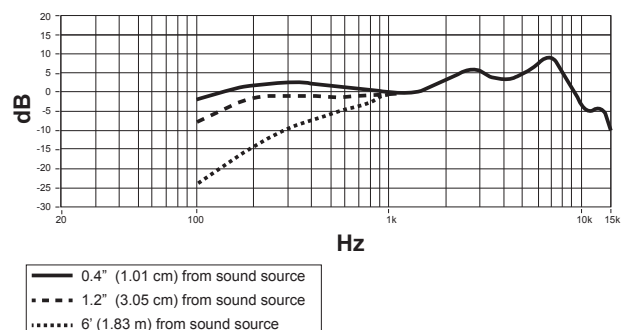
### Accessories

<b>BCAEC50</b>	Replacement Ear Pads	<b>BCASCA-NXLR3QI</b>	Detachable cable with Neutrik 3-pin XLR male connector and 1/4" stereo plug (7.5 ft)	<b>BCASCA-NXLR4-FEM</b>	Detachable cable with Neutrik 4-pin XLR female connector (7.5 ft)
<b>BCAWS2</b>	Replacement Windscreen	<b>BCASCA-NXLR3QI-25</b>	25 ft detachable cable with Neutrik 3-pin XLR male connector and 1/4" stereo plug	<b>BASCA-NXLR5</b>	Detachable cable with Neutrik 5-pin XLR male connector (7.5 ft)
<b>BCASCA-1</b>	Detachable cable, unterminated (bare whip, 6.5 ft)	<b>BCASCA-NXLR4</b>	Detachable cable with Neutrik 4-pin XLR male connector (7.5 ft)		

#### Polar Patterns



#### Frequency Response



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