

# MMX 300

Premium Gaming Headset

Order # 715.565



## FEATURES

- Closed headphone
- Excellent ambient noise attenuation (approx. 18 dBA)
- Ergonomic design for high comfort
- Superb hi-fi quality with brilliant highs and very deep bass
- Cardioid condenser microphone (back electret)
- Noise-cancelling microphone
- Rugged spring steel headband with soft, replaceable ear and headband pads
- Single-sided cable
- 5-year warranty

## DESCRIPTION

The MMX 300 is ideal for all gaming, multimedia and Voice over IP applications as well as for use with hi-fi systems or mobile devices (CD/DVD/MP3). The technology of the MMX 300 is based on the reliable HS 400 aviation headset. The noise-cancelling microphone ensures a clear and precise voice transmission even in noisy surroundings. The closed design guarantees absolute undisturbed enjoyment of game and sound combined with a high comfort due to soft, replaceable ear and headband pads. The MMX 300 also provides mini jack plugs to connect to a PC.

# MMX 300

## TECHNICAL SPECIFICATIONS

### Headphone

Transducer type . . . . . Dynamic  
 Operating principle . . . . . Closed  
 Frequency response . . . . . 5 - 30,000 Hz  
 Nominal impedance . . . . . 32 Ω per system  
 Nominal SPL . . . . . 96 dB  
 T.H.D. . . . . < 0.2%  
 Power handling capacity . . . . . 100 mW  
 Sound coupling to the ear . . . . . Circumaural  
 Ambient noise attenuation . . . . . approx. 18 dBA  
 Headband pressure . . . . . 3.5 N  
 Weight with microphone and cable . . . . . 380 g  
 Cable length and type . . . . . 2.5 m, straight cable  
 Connection . . . . . Mini stereo jack plug  
 (3.5 mm), 1/4" adapter  
 (6.35 mm)

Current consumption . . . . . < 0.5 mA  
 Nominal impedance . . . . . approx. 1.5 kΩ  
 Open circuit voltage at f = 1 kHz . . . . . 20 mV / Pa  
 Frequency response . . . . . 30 - 18,000 Hz  
 T.H.D. . . . . 0.2% at f = 1 kHz  
 Max. SPL . . . . . 120 dB  
 Microphone output . . . . . unbalanced  
 Dimensions  
 Length mic boom . . . . . approx. 150 mm  
 Capsule diameter . . . . . 13 mm  
 Connection . . . . . Mini stereo jack plug  
 (3.5 mm)  
 Ring and tip: AF,  
 sleeve: ground

### Microphone

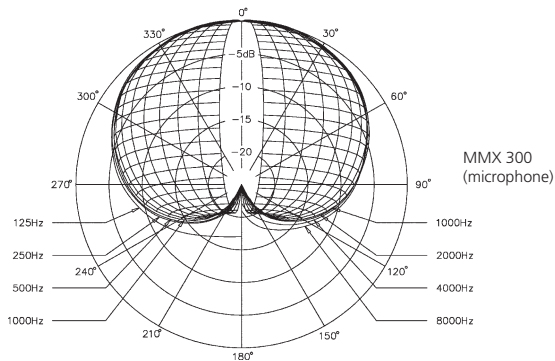
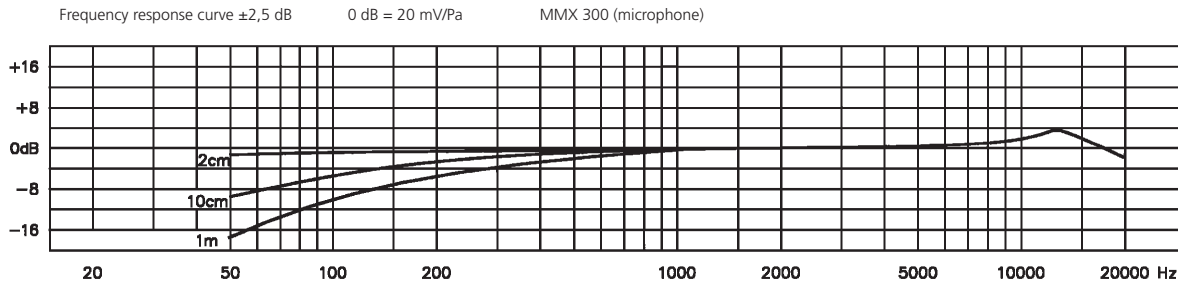
Transducer type . . . . . Condenser (back electret)  
 Operating principle . . . . . Pressure gradient  
 Polar Pattern . . . . . Cardioid  
 Power supply . . . . . AB powering  
 Supply voltage . . . . . 1.5 - 9 V

### SPARE PARTS

BN 59-53/D Headband pad, black, leatherette . Order # 990.681  
 EDT 770 VB Ear pads, black, velours . . . . . Order # 906.166  
 WS 20 sw Wind shield, black . . . . . Order # 439.975

## 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.



### WIRING DIAGRAM

Positive pressure produces positive voltage on the ring and tip of the jack plug.

