

DYNAMIC MICROPHONE XM1800S



User's Manual

Version 1.0 July 2002

ENGLISH



www.behringer.com

1. SAFETY PRECAUTIONS

Detailed safety precautions:

Please read all safety precautions and operating instructions before you attempt to operate the unit. Keep all safety precautions and operating instructions for future reference.

Damage:

Take care not to drop your microphone as this can lead to severe damage. BEHRINGER assumes no liability for any damage caused by the user.

Maintenance and care:

When the microphone is not in use, please take it out of its clip, clean it with a soft cloth, and then place it in its case.

Caution:

Never dismount the screen holding the capsule, as this can damage the microphone! Any such attempt will void the warranty.

2. INTRODUCTION

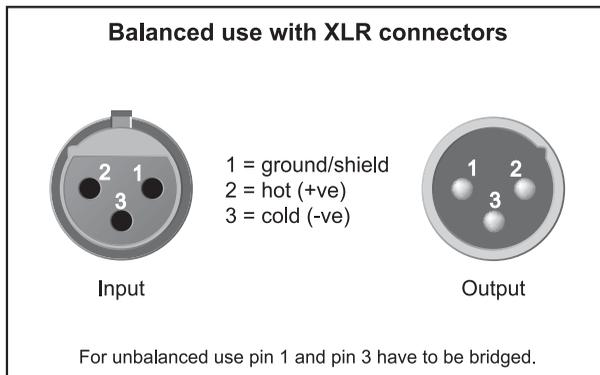
Thank you for expressing your confidence in us by purchasing the BEHRINGER XM1800S dynamic microphone. The XM1800S combines highest quality standards at an affordable price and best results in audio performances for both vocal and instrument miking applications. The features of the XM1800S will make it a valuable tool for your recording and live performances.

3. FEATURES

- ▲ Dedicated vocal and instrument mic brings unbelievable quality to your studio and live performance
- ▲ With On/Off switch
- ▲ Extremely high signal output makes your voice cut through
- ▲ Ultra-low distortion for super clean sound
- ▲ Presence lift in critical mid-range gives you maximum voice projection
- ▲ Exceptional off-axis rejection eliminates feedback problems
- ▲ Super rugged construction copes with your toughest live assignments
- ▲ Foam-lined impact-resistant carrying case included
- ▲ Microphone stand adapter included

4. AUDIO CONNECTION

Use a standard microphone cable to connect your XM1800S to any mixer, power mixer, amp, or mic preamp. Connect the female XLR end to the XM1800S' male XLR input connector and the other end of the cable, normally a male XLR connector, to the mixer, power mixer, amp, or mic preamp.



5. HOW TO USE YOUR XM1800S MOST EFFECTIVELY

Adjust the gain control in the microphone channel of your mixing console so that the peak LED lights up only occasionally or never at all. The EQ controls in the microphone channel should be set to mid-travel position to start with; low-cut filter and level attenuator should be turned off. Try to achieve the desired sound by experimenting with the microphone position. Place the microphone as close to the sound source as possible. The closer your mic gets to the sound source, the greater the bass response will be. On the other hand, as you move the sound source further away from the microphone, the bass response will gradually roll off (please see frequency response chart on next page).

Only when the desired basic sound has been achieved, should you start to use equalizers and signal processors, if any at all. (Remember: less is often more!)

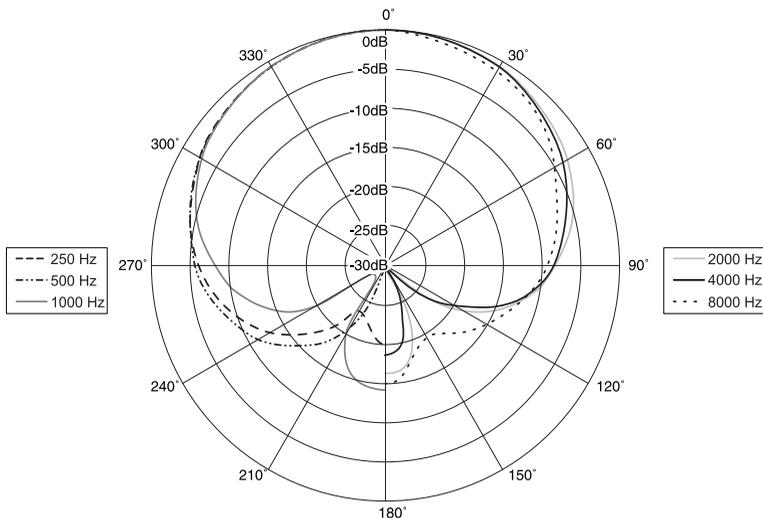
All microphones have characteristic polar patterns that determine how well signals from around the area of the microphone are accepted or rejected. The super cardioid pattern is used by the XM1800S. Thus, the XM1800S excels in environments where a lot of undesired ambient noise exists. The XM1800S excellently reproduces those sound signals originated directly in front of the microphone while rejecting or minimizing sound signals originated in the area behind the microphone (please refer to the polar pattern on next page for detailed information).

6. WARRANTY

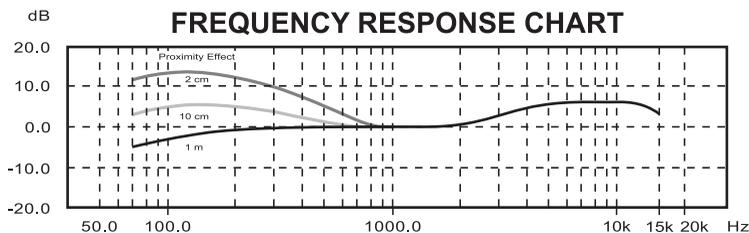


Please find our current warranty terms on our web site under <http://www.behringer.com> or send us a request by e-mail (support@behringer.de), fax (+49 (0) 2154 920665), or telephone (+49 (0) 2154 920666).

POLAR PATTERN



FREQUENCY RESPONSE CHART



7. SPECIFICATIONS

Type:	Dynamic
Frequency response:	80 Hz - 15 kHz
Polar pattern:	Super cardioid
Impedance:	600 Ohms
Sensitivity:	-52 dBV (0 dBV = 1 V/Pa), 2.5mV/Pa
Connector:	3-pin balanced XLR (male)
Dimensions:	
Head length	57.5 mm
Main unit length	117.5 mm
Total length	175 mm
Weight:	230 g

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

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