

## INSTRUCTIONS FOR USE OF THE DYNAMIC (electret) PENCIL MIC, # 16043

This microphone can be worn with the cord draped around the back of your neck and the mic hanging down on your chest - or sitting on your chest using the chest rest enclosed - so it is easy to pick up and use when needed. It can also be held by a clamp at the end of a gooseneck attached to your wheelchair, regular chair, table, headboard, etc. Or it can be supported by a mic stand and clamp that holds it in an appropriate position.



BEFORE you attempt to decide how to carry, wear and handle the mic or set it up with a stand or clamps, try it out to locate your best voice pick-up point:

1. Make sure the mic is plugged into the amplifier and that the amplifier is turned on - see the amplifier's own instructions.

2. Pick up the mic with your NON DOMINANT HAND - or have a helper hold it - (fairly vertical or at just a little bit of an angle to your mouth), turn on the switch on the mic and place it at one corner of your mouth. Move it along the lower lip from one corner of the mouth to the other while you count, say a poem, etc. You'll be doing yourself a favor if you learn right from the beginning to handle the mic with your non-dominant hand and leave the "good" hand free to write with or do other things. It is very difficult to switch later.

3. Make sure you are talking **over the top of the mic or into the top of the mic** - not into the top side (the noise canceling ports are on the top sides - they help avoid picking up sounds from other people or noises in the room, such as television sets). Also, talking over the top of the mic leaves your mouth showing to your listeners - watching the lips move is a natural part of any conversation.



3. Keep the foam of the windscreen close to your lip - touching the lower lip or within 1/4" is best for most people with weak voices, though this pencil mic is quite powerful for its size and you may have a little more leeway, depending on your own voice.

4. Move the mic back and forth from one side of the mouth to the other 2 or 3 times while listening carefully to see if any particular place produces a louder or clearer voice. Some people have very little variation in pick-up from one position to another while others have major differences.

5. Most people will find their best sound with the mic held to one side of the mouth or the other, not right in front. Even laryngectomees and people with weak voices may project enough air directly in front of the lips to create hisses and popping noises when saying "s" and "p" sounds. Keeping the mic to one side will help avoid picking up these sounds and will make your voice more pleasant to listen to.



6. If possible, have friends and family members listen and advise you as you locate your best pick-up spot. Others will often hear your voice a little differently from what you hear.

Once you decided on your pick-up spot, decide how you will hold or position the mic. If you will be hand holding the mic, the enclosed "chest rest" and support cord can be very helpful. Just pinch the ends of the spring wire rest a bit, which will open up the coiled area enough to make it easier to slip the plug through. Pull the coil up onto the microphone just below the switch. Slip one loop from the cord into the hooked side of the chest rest, put the cord around the back of your neck and hook the loop into the other side of the chest rest, as in the picture - then let it rest on your chest until you are ready to pick it up and talk as in the illustration above..

**PLEASE CONTACT US IF YOU HAVE ANY QUESTIONS OR PROBLEMS.**

**SEE THE OTHER SIDE OF THIS SHEET FOR MORE INFORMATION  
ON CARE OF THE MICROPHONE, WARRANTY, RETURN, REPAIR**

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## **TO KEEP THE DYNAMIC PENCIL MIC IN GOOD CONDITION:**

- > When handling or when hand holding the mic in use, make sure your hands are clean and dry
- > Do not store in areas of excessive heat or direct sunlight.
- > Keep away from moisture. Do not allow the microphone element to become wet.
- > Carefully remove the windscreen occasionally. Wash it, then squeeze and pat it dry with a dishtowel. Be sure that it is well dried before putting back on the mic. When off the mic, it may also be sprayed, if desired, with a mild disinfectant such as Lysol. Be sure it is dry before replacing it on the mic element. If the windscreen becomes saturated with a foreign material you cannot remove or if the foam begins to break up, order a replacement windscreen.
- > Do not twist or pull the microphone cord excessively.
- > Do not alter the capsule of the microphone in any way as this could change the frequency response and void your warrantee. \*\*\*\*\*

**IF MORE THAN ONE PERSON WILL BE USING THE MICROPHONE** we recommend that it be wiped down with a clean cloth dampened just slightly in a mild disinfectant solution such as Lysol. Do NOT get the mic element itself wet and do not spray any liquids at the mic element.

The windscreen can be removed and washed and dried, and/or sprayed as mentioned above. Always be sure the windscreen is dry before putting it back on the mic element.

## **PLEASE CONTACT US IF YOU HAVE ANY QUESTIONS OR PROBLEMS.**

**Returns:** We hope and expect that you will find this equipment very helpful, but if, after consulting us about problems in use, you find that your microphone and/or amplifier do not suit your needs, you may return them for refund, credit or exchange, assuming that they are undamaged, of course. There is a service charge of approximately 10% to cover part of our costs in cleaning, testing, repackaging and paperwork to process the return. (This service charge helps us keep our prices as low as possible for everyone.) Be sure to pad and wrap the equipment carefully and insure the package. Include your name, address, reason for return or exchange and telephone number in case we have any questions. The time limit for returns is 30 days unless you contact us for permission for a later return due to extenuating circumstances.

**Repairs:** If your microphone and/or amplifier ever develops some sort of problem or stops working, please contact us. We may be able to make suggestions that will help you correct the problem. If not, you can send the equipment back to us for repair or replacement, as appropriate. Be sure to pad and wrap the equipment carefully, insure the package and include your name, address, approximate date of purchase and explanation of the problems you are having and telephone number so we can contact you if we have any questions or need to discuss the repair.

The microphone manufacturer's **warranty** for this mic is 90 days against defective parts and labor. The warranty is not a service contract. It does not cover windscreen replacement, nor does it cover damage from accident, misuse, abuse (such as excessive pulling or twisting of mic cord), or from moisture, food or other foreign material. Non-warranty repairs are done at a very reasonable rate.

**We would be pleased to have you write, phone, fax or e-mail us to tell us about your experiences with your amplifier and microphone - special "tricks" of use or care you've found, problems or successes you've had, vocal and medical conditions the system does or does not do a good job with, etc. Anything you can tell us will help us help others to choose the most suitable voice amplification equipment for their needs and to use and care for it in the best and easiest way possible.**



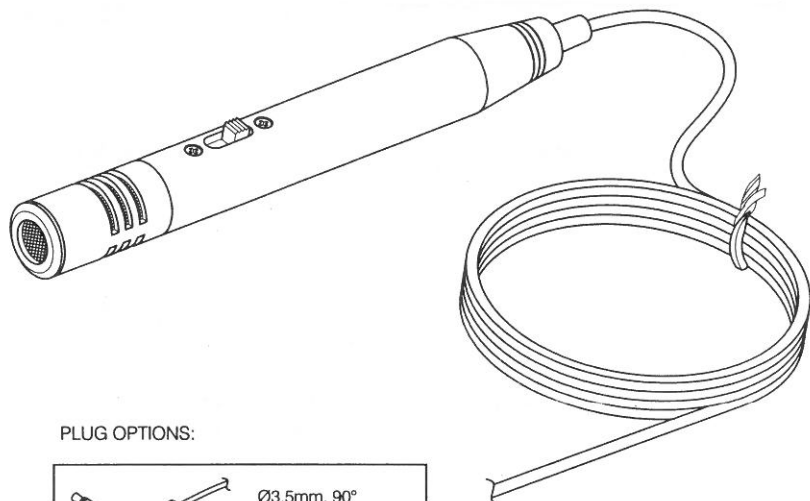
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# DynaMIC MM100 PENCIL MICROPHONE

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## PLUG OPTIONS:

	Ø3.5mm, 90° gold-plated pin mono plug
	Ø2.5mm, 90° gold-plated pin mono plug
	mini-XLRF plug

- RELIABLE, HIGH-QUALITY VOCAL PICKUP FOR CONVERSATIONS, INTERVIEWS AND RECORDER USE
- LIGHTWEIGHT, COMPACT DESIGN
- CARDIOID PICKUP PATTERN

## *...DynaMIC - MM100 pencil microphone*

The MM100 is a unidirectional back electret condenser microphone that offers excellent sound reproduction. Its compact, rugged design makes it a versatile tool for miking an interactive group discussion, meetings or conferences, or covering an interview.

A unidirectional microphone, the MM100 utilizes a miniature back electret condenser element with a distinct low mass diaphragm. This innovative feature eliminates peak and reduces handling noise by preventing audio band resonance. Its polar pattern makes the mic sensitive to sound originating directly in front of it. It offers minimum sensitivity at an angle of 180 degrees while reducing pickup of sound from the rear, thus providing better user sound isolation and effective feedback control.

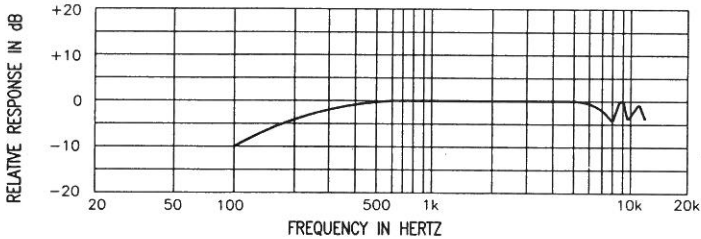
The MM100 comes in a size as small as a pen which makes it an excellent choice for applications where an unobtrusive microphone is needed. Its compact and lightweight construction provides easy handling whether it is handheld or stand-mounted. It comes in a low reflectance black finish copper case. A slide type ON/OFF switch is added for convenient control of the microphone. There are three options available for the output plug of its  $\phi 2.5$  mm x 1.2 M (2C+1) cable depending on the user's preference: 1)  $\phi 3.5$ mm, 90° Gold-Plated Pin Mono Plug, 2)  $\phi 2.5$ mm, 90° Gold-Plated Pin Mono Plug, or 3) Mini-XLRF.

The MM100 requires an operating voltage of 1V ~ 10 V D.C.

Element.....Back Electret Condenser  
Polar Pattern.....Unidirectional  
Frequency Response.....100 Hz to 12,000 Hz  
Sensitivity.....- 66 dB  $\pm$  3 dB (0 dB = 1V/microbar at 1KHz)  
Impedance.....600  $\Omega$   $\pm$  30% (at 1,000 Hz)  
Operating Voltage.....1 V ~ 10 V D.C. (RL = 680  $\Omega$ )  
Cable..... $\phi$ 2.5 mm x 1.2 M PVC Cable  
Plug Options.....(1)  $\phi$ 3.5mm, 90° Gold-Plated Pin Mono Plug  
(2)  $\phi$ 2.5mm, 90° Gold-Plated Pin Mono Plug  
(3) Mini-XLRF  
-Pin Configuration: Pin 1 - Ground  
Pin 2 - Signal  
Pin 3 - (+) Voltage

Material.....Copper  
Finish.....Black, Painted

**Frequency Response Graph:**



NOTE:  
D = 50 cm

**Dimensions:**

