

McMARTIN INDUSTRIES, INC.
Omaha, Nebraska



Figure 1
Model 58A Microphone

GENERAL:

The Model 58A is an ideal Lavalier Microphone, light, rugged and faithful. It frees hands and is so remarkably small it may be hidden behind a necktie or corsage. The support clip and neck cord are furnished as standard equipment. The long, supple and kink-resistant cable makes the Model 58A a fine traveling mike. The Model 58A features a "DYNAFLEX" non-metallic diaphragm which gives smooth response over a wide frequency range and withstands temperature extremes, severe mechanical shocks, high humidity, etc.

APPLICATIONS:

Specifically designed for TV and broadcast use, the 58A is a natural for any application where freedom and mobility are required; panel shows, man on the street shows, demonstrations, custom PA applications, lectures.

SPECIFICATIONS:

TYPE:	Dynamic.		
IMPEDANCE:	The Model 58A allows a choice, interchangeably, of either 50 ohms or 200 ohms.		
CABLE:	Supple, 25 ft. 3 conductor shielded		
FREQUENCY RESPONSE:	60-18,000 c.p.s.		
OUTPUT LEVEL:		50 ohm	200 ohm
	RETMA (GM)	—150	—150
	Db. re 1 MW/10 dynes/cm ²	—57	—57
POLAR PATTERN:	Essentially non-directional. (See Figure 3.)		
CASE:	Light weight, high tensile aluminum.		
DIAPHRAGM:	Plastic Dynaflex.		
FINISH:	Non-reflecting neutral gray.		
MOUNTING:	Lavalier clip furnished.		
DIMENSIONS:	1" diameter, length 4".		
WEIGHT:	3½ oz. less cable.		

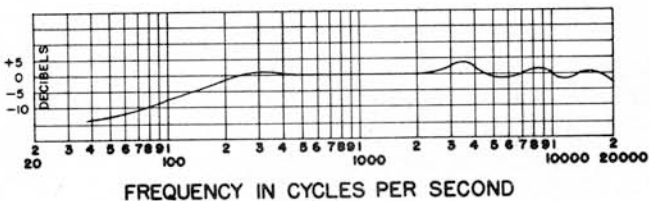


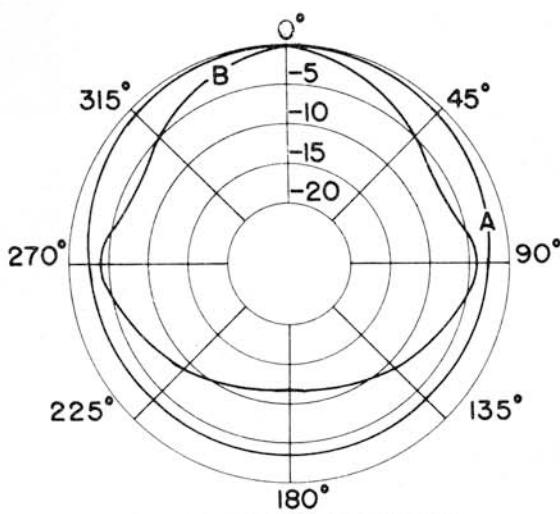
Figure 2—Response Curve



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McMARTIN model 58A microphone

specifications



SCALE 5 DECIBELS PER DIVISION
A—1000 CPS
B—5000 CPS

Figure 3—Polar Pattern

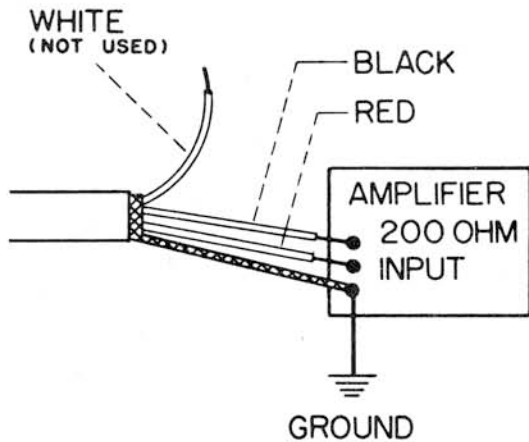


Figure 4—Amplifier Connection

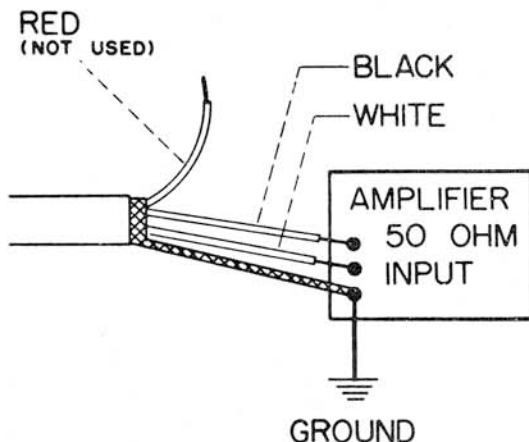


Figure 5—Amplifier Connection

INSTALLATION:

The Model 58A may be used with any amplifier having a 30/50 ohm input or a 150/250 ohm input. When long lines are used, care should be taken to see that the cable does not parallel A.C. power lines for long distances to avoid A.C. hum induction. Cable length for the Model 58A is practically unlimited. You may choose either the 50 ohm connection, or the 200 ohm connection at the terminal end of the cable as follows:

1. 50 ohm—connect to black and white cable conductors, shield grounded.
2. 200 ohm—connect to red and black cable conductors, shield grounded (See Figures 4 and 5.)

ARCHITECT-ENGINEER SPECIFICATIONS:

The microphone shall be the McMARTIN Model 58A or equivalent. The microphone shall be an omni-directional, dynamic type with a non-metallic dynaflex diaphragm. A uniform frequency response of 60-13,000 c.p.s. shall be obtained from the microphone. The microphone shall offer an impedance selection of 50 ohms or 200 ohms impedance with a RETMA (GM) rated output level of —150 db.

The case shall be aluminum, finished in non-reflecting neutral grey. A 25 ft. three conductor, shielded cable shall be furnished. The microphone shall also be provided with a neck cord and lavalier clip assembly. Total weight of microphone, less cable, shall be 3½ oz.

GUARANTEE:

All McMARTIN microphones are individually and thoroughly tested before leaving the factory and are guaranteed against defective materials and workmanship for one year, providing that instructions are fully complied with and that units are not opened or tampered with in any way.



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