

MICROPHONE

1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary in this section, which contain important handling precaution.
- After reading, keep this manual handy for future reference.

2. HANDLING PRECAUTION

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquid, as doing so may result in unit failure.
- Never open nor remove the unit case to modify the unit. Refer all servicing to your nearest TOA dealer.
- Take care not to drop the unit onto the floor nor bump it againsts a hard object as the unit could fail.
- Do not place the unit in locations of high temperature (ex. In an un-ventilated car in summer) or high humidity as the unit could fail.
- Do not use the unit in locations where it is exposed to seawater.
- To clean, use a dry cloth. When the unit gets very dirty, wipe it lightly with a cloth damped in a dilute neutral cleanser, then wipe with a dry cloth. Never use benzene, thinner, or chemically-treated cleaning towel.

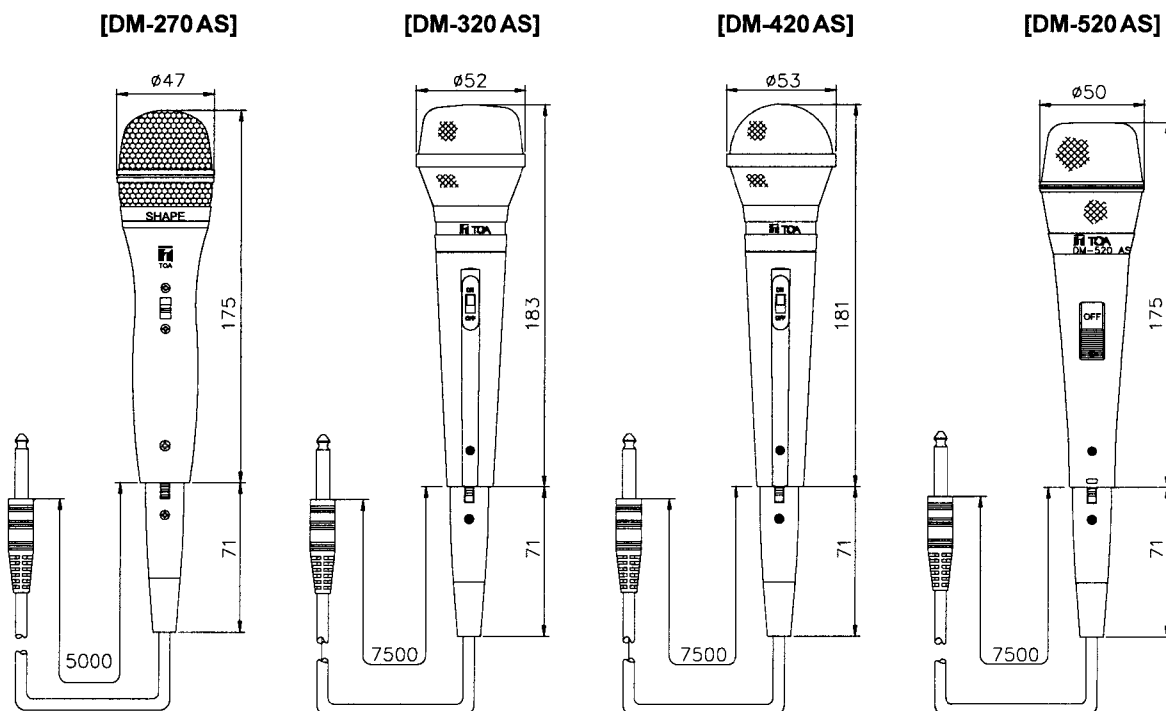
3. GENERAL DESCRIPTION

TOA DM series microphones is moving coil type microphones that suitable for vocal application. Employs sturdy metal body, make these microphones applicable for rigorous condition.

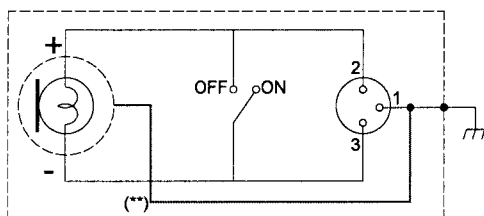
Feature

- Reproduce high sound clarity to combine with other sound system equipment.
- Separated type of cable, make it easy for maintenance purpose.
- Utilizing magnetic switch to reduce noise caused by switch contact (DM-520AS only).
- Equipped with locking system for ON-OFF switch (DM-520AS only).
- Special coating on microphone body to avoid microphone become slippery (DM-270AS only).

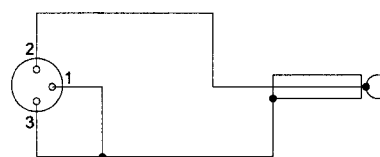
4. DIMENSIONAL DIAGRAM



[Circuit Diagram]



[Microphone unit]

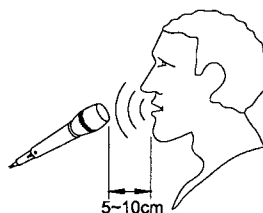


[Cable unit]

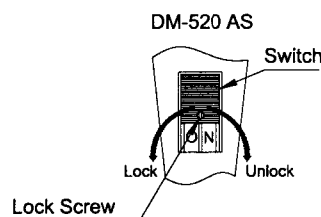
5. USING THE MICROPHONE

1. Place microphone 5~10 cm in front of mouth to get better sound clarity.

Note: Placing microphone closer than 5 cm could increase proximity effect (bass boost). And placing microphone more than 10 cm could increase crosstalk from other sound source.



2. For DM-520 AS only, switch equipped with lock function. Use mini screwdriver to lock and unlock switch position. Turn lock screw counter clockwise to lock the switch position and otherwise to unlock it.



6. SPECIFICATION

MODEL	DM-270 AS	DM-320 AS	DM-420 AS	DM-520 AS	
Type	Moving coil microphone				
Directivity	Unidirectional				
Rated Impedance	600 Ω, Balanced				
Rated Sensitivity (1kHz, 0dB = 1 V/Pa)	-52 dB	-55 dB	-52 dB	-55 dB	
Frequency response	100 - 12,000 Hz	100 - 12,000 Hz	100 - 12,000 Hz	100 - 12,000 Hz	
Connection cable	Separated, Unbalanced				
Cable length	5 meters	7.5 meters	7.5 meters	7.5 meters	
Connector	XLR-3 type				
Talk switch	Short off, slide switch				
Finish	Body	Black	Dark grey	Dark grey	Dark grey
	Head	Black	Dark grey	Silver	Dark grey
Dimensions	Ø47 x 175 mm	Ø52 x 183 mm	Ø52 x 183 mm	Ø50 x 176 mm	
Weight	300 g	304 g	280 g	232 g	
Accessories	Microphone holder (W 5/16" 18 thread)				



TOA Corporation