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TOA COMMERCIAL SOUND

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# DESK MOUNT PAGING MICROPHONE

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## PM-660U

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### DESCRIPTION

TOA's PM-660U is an elegantly styled, compact desk microphone for use in public address, paging and radio communication systems. Ideal applications include restaurants, offices, warehouses, transportation terminals, dispatch centers and entertainment facilities.

Its smooth, natural response provides high quality voice reproduction and excellent articulation to enhance the overall performance of your system. Compact and lightweight, the PM-660U requires a minimum of desk or counter space and is easy to handle.

To significantly reduce background noise and feedback, the PM-660U features a cardioid pick-up pattern that is uniform over the entire frequency range. The dynamic microphone element has a 600 ohm balanced output and the microphone is supplied with an attached 8.2' four-conductor cable with stripped wire ends. Two conductors are shielded and are dedicated for the microphone signal. The other two unshielded conductors con-

nect to an auxiliary, normally-open switch contact, used to activate external muting, priority or relay control circuits. The auxiliary switch contact is closed by using the push-to-talk bar, which also turns on the microphone by opening a second set of contacts that normally short the mic element. A locking lever is provided to keep the push-to-talk bar in the "on" position when the microphone must be kept open for an extended period.

A wire mesh grille protects the mic element and incorporates an internal wind screen to reduce popping noises from speech. Ideal for desktop or shelf mounting, the integral microphone stand/base is fitted with four, rubber isolated feet to reduce mechanical noise pick-up. Constructed of high impact ABS resin, the microphone is finished in a neutral dark gray with a prominent, orange push-to-talk button.

## FEATURES

1. Sleek, modern design fits today's high tech workstations.
2. Dynamic microphone element with a 600 ohm balanced output.
3. Prominent press-to-talk bar with convenient locking lever.
4. Auxiliary switch contact for mute or relay circuits.
5. Cardioid pattern with excellent ambient noise rejection.
6. Delivers a smooth and natural sound.
7. Four conductor attached cable.

## SPECIFICATIONS

### PERFORMANCE

Directivity	Unidirectional, cardioid pattern
Sensitivity (1 kHz)	-58 dB*
Frequency Response	100Hz - 10kHz
Microphone Element	Dynamic (moving coil)
Impedance	600 ohm, balanced

### CONTROLS

Push-To-Talk Bar:	
Microphone	Normally closed (mic element shorted)
Auxiliary Switch Contact	Normally open (dry contact)
Locking Lever	Locks push-to-talk bar in 'on' position

### PHYSICAL

Cable Length	Attached 8.2' with stripped, tinned wire ends
Cable Type	2-C shielded (audio) 2-C (aux switch)
Finish:	
Microphone Head	Zinc plated steel mesh, gray baked paint
Stand / Base	Gray ABS resin
Dimensions W"x H"x D")	3.9 x 8.5 x 5.9
Weight (lbs)	0.97

\* 0 dB = 1 V / Pascal

Specifications are subject to change without notice.

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

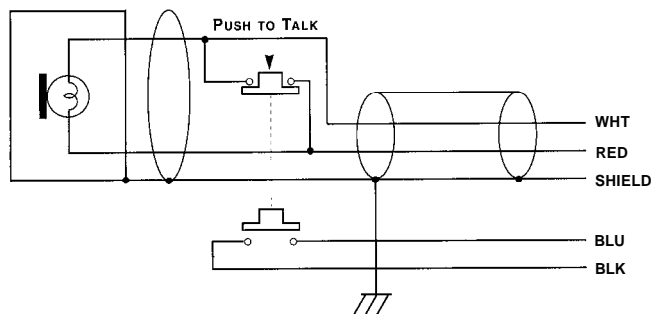
The device shall be a low impedance, dynamic microphone with an integral stand and base suitable for desk and shelf mounting. Nominal sensitivity and impedance shall be -58 dB at 1 kHz (ref: 0 dB = 1 V / Pascal), 600 ohms, balanced. Frequency response shall be from 100 Hz to 10 kHz with a cardioid directivity pattern that is uniform over the entire frequency response range.

A push-to-talk bar shall be mounted in the base with a locking lever to permit locking the bar in the microphone on position. The bar shall actuate two long-leaf, spring-type switch contacts. One shall be a normally closed contact that shorts the microphone element in the microphone off position. A second dry contact shall be provided for use with external muting, priority or relay circuits. The second contact shall be normally open with the microphone off. An attached 8.2' cable shall be provided with two shielded conductors for the microphone audio and two unshielded conductors for the auxiliary switch contact. The cable shall be supplied with stripped and solder-tinned wire ends.

The microphone stand/base shall be constructed of dark gray, ABS resin plastic with a zinc-plated steel mesh head for the microphone element. The head shall have a baked gray paint finish and an internal wind screen. The push-to-talk bar shall be orange with *TALK* engraved on its face. Dimensions shall be 3.9"x 8.5"x 5.9". Weight shall be 0.97 lbs.

The microphone shall be the TOA PM-660U.

## WIRING DIAGRAM



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