

SHURE®

LEGENDARY
PERFORMANCE™

SM7B

DYNAMIC MICROPHONES

MICROPHONES ÉLECTRODYNAMIQUES

DYNAMISCHE MIKROFONE

MICROFONOS DINAMICOS

MICROFONI DINAMICI

ダイナミック型マイクロホン



SM7B

DYNAMIC MICROPHONES

The Model SM7B dynamic microphone has a smooth, flat, wide-range frequency response appropriate for music and speech in all professional audio applications. It features excellent shielding against electromagnetic hum generated by computer monitors, neon lights, and other electrical devices. In addition to its standard windscreen, it also includes the A7WS windscreen for close-talk applications.

The SM7B is an outstanding choice for the following applications:

- Recording Studio—Instrumental and Vocal
- Location Recording
- Motion Picture and Television Scoring
- Television, Talk Shows, and News Desks
- Radio Announcing and Production
- Narration

FEATURES

- Flat, wide-range frequency response for clean and natural reproduction of both music and speech
- Switchable bass rolloff and mid-range emphasis (presence boost) settings
- Shielded against broadband interference from computer monitors and other electrical devices—excellent rejection of electromagnetic hum
- Internal “air suspension” shock isolation virtually eliminates mechanical noise transmission
- A7WS windscreen included for close-up vocals or narration
- Swiveling bracket with integrated stand adapter for easy mounting and precise microphone positioning
- Cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound
- Rugged construction and excellent cartridge protection for outstanding reliability

CERTIFICATION

Eligible to bear CE Marking. Conforms to European EMC Directive 2004/108/EC. Meets Harmonized Standards EN55103-1:1996 and EN55103-2:1996, for residential (E1) and light industrial (E2) environments.

The Declaration of Conformity can be obtained from:

Authorized European representative:

Shure Europe GmbH

Headquarters Europe, Middle East & Africa

Department EMEA Approval

Jakob-Dieffenbacher-Str. 12

75031 Eppingen, Germany

Phone: +49-7262-92 49 0

Fax: +49-7262-92 49 11 4

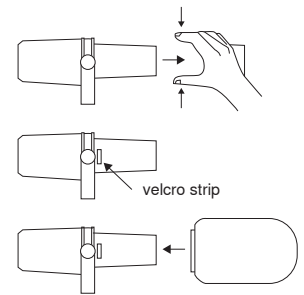
E-Mail: EMEAsupport@shure.de

WINDSCREEN

Use the standard windscreen for general voice and instrumental applications. Use the supplied A7WS windscreen for close-talk applications, such as voice overs or radio announcements, as it offers maximum protection from plosive breath noise and creates a warmer, more intimate sound.

To install the A7WS, follow these instructions:

1. To avoid tearing the windscreen during removal, grip it from the plastic ring and the base and remove by gently pulling and twisting.
2. If desired, adhere the supplied velcro strips around the microphone grille, approximately one inch from the base of the grille (as shown) to hold new windscreen in place.
3. Install the A7WS windscreen by stretching over the velcro strips, then squeezing at the base of the windscreen to adhere to the velcro. No velcro strip inside the windscreen is needed, as the windscreen itself adheres to the velcro. To remove, grip at the base of the windscreen and pull while twisting.



SPECIFICATIONS

Type	Dynamic (moving coil)
Frequency Response	50 to 20,000 Hz
Polar Pattern	Cardioid
Output Impedance	EIA rated at 150Ω (150Ω actual)
Sensitivity (at 1 kHz, open circuit voltage)	-59 dBV/Pa (1.12 mV) 1 Pascal=94 dB SPL
Hum Pickup (typical, at 60 Hz, equivalent SPL/mOe)	11 dB
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3
Weight	Net: 0.764 kg (1.69 lbs)
Housing	Dark gray enamel aluminum and steel case with dark gray foam windscreen.

The output level of the SM7B is -59dBV/Pa. For typical speech applications, three inches from the grille, the SM7B requires at least +60 dB of gain at the microphone preamp. Many modern microphone preamps, which are designed for the “hot” output level of condenser microphones, provide only 40 to 50 dB of gain.

ACCESSORIES AND PARTS

Furnished Accessories

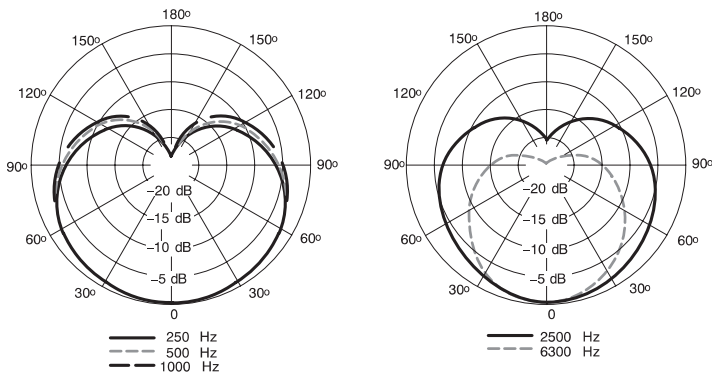
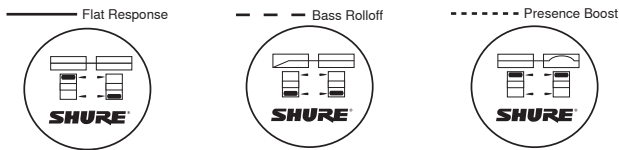
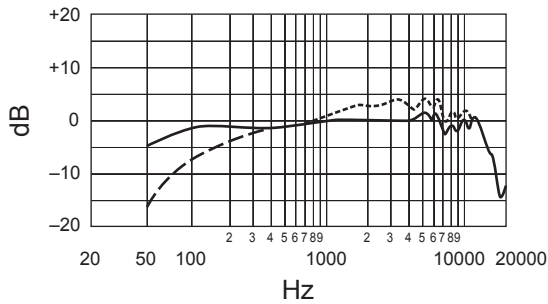
Switch Cover	RPM602
Windscreen - Large	A7WS

Optional Accessories

TRIPLE-FLEX™ Cable and Plug 7.6 m (25 ft.)	C25F
--	------

Replacement Parts

Cartridge	RPM106
Windscreen - Small	RK345
Nut/Washer	RPM604

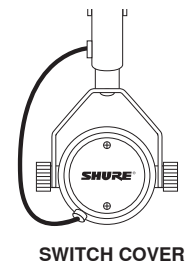
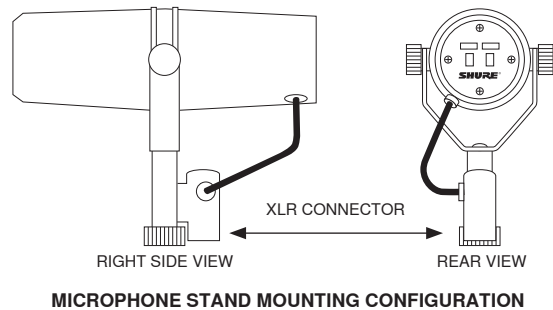
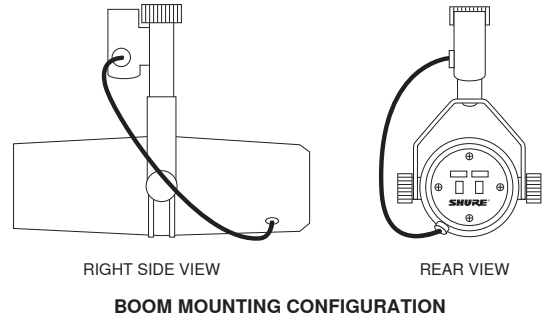


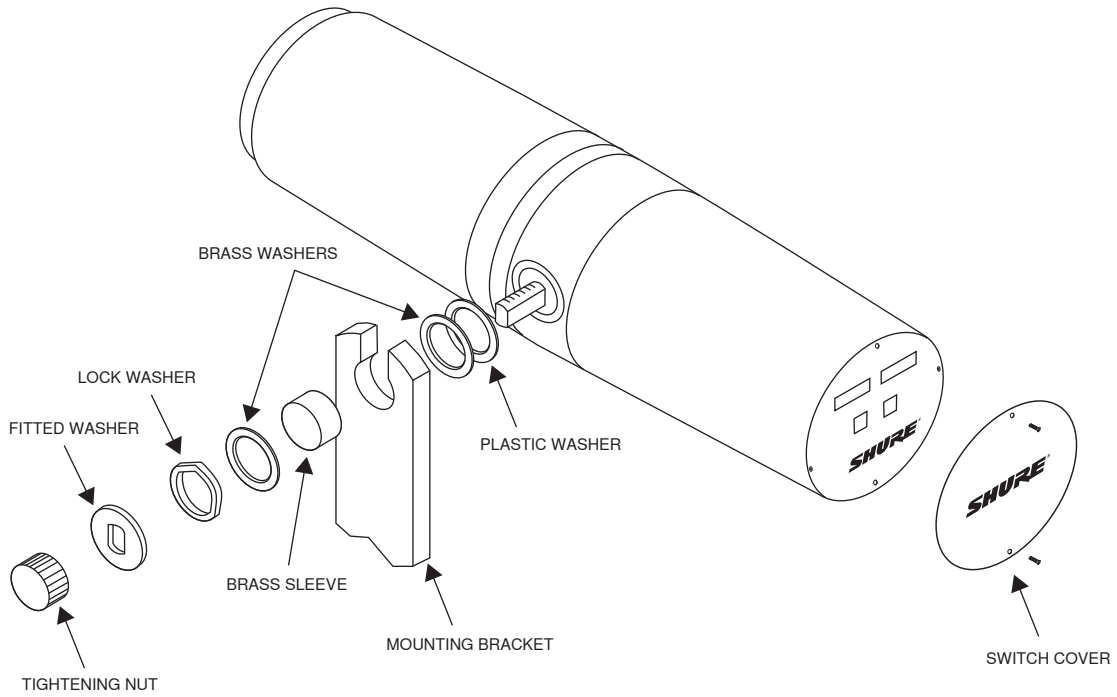
MOUNTING INSTRUCTIONS

The SM7B can be mounted on a microphone stand or hung from a boom. It is shipped in the boom mounting configuration. To set up the SM7B in the microphone stand mounting configuration, proceed as follows:

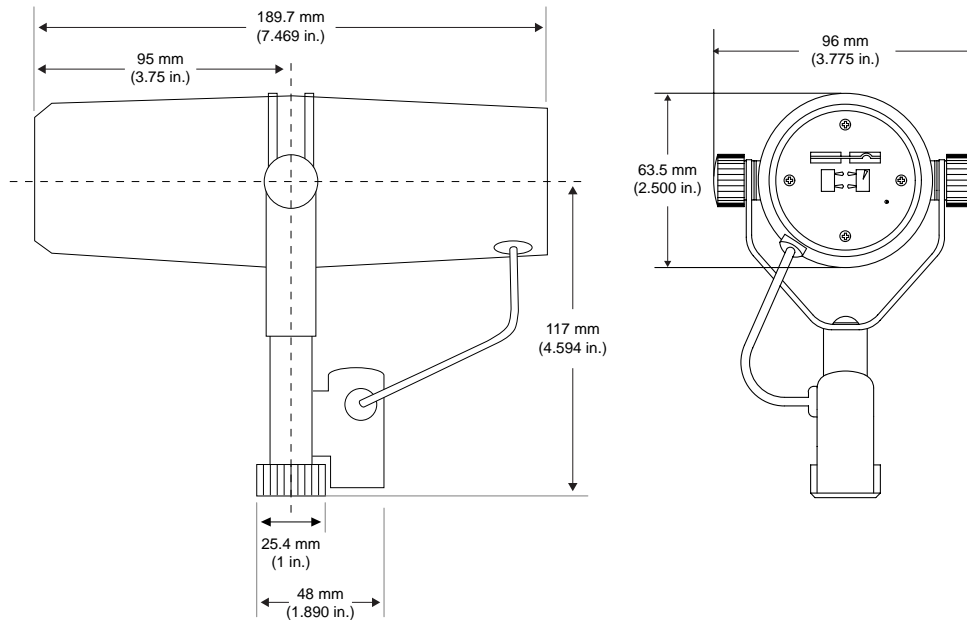
1. Remove tightening nuts on the sides.
2. Remove the fitted washers, the lock washers, the outer brass washers, and the brass sleeves.
3. Slide the bracket off the microphone. Be careful not to lose the washers still on the microphone.
4. Invert and rotate the bracket. Slide it back onto the bolts over the brass and plastic washers still on the microphone. The bracket should fit so the XLR connector faces the rear of the microphone, and the Shure logo on the back of the microphone is right-side up.
5. Replace the brass sleeves. Be sure they are seated properly within the inner washers.
6. Replace the outer brass washers, the lock washers and the fitted washers.
7. Replace the tightening nuts and tighten the microphone at the desired angle.

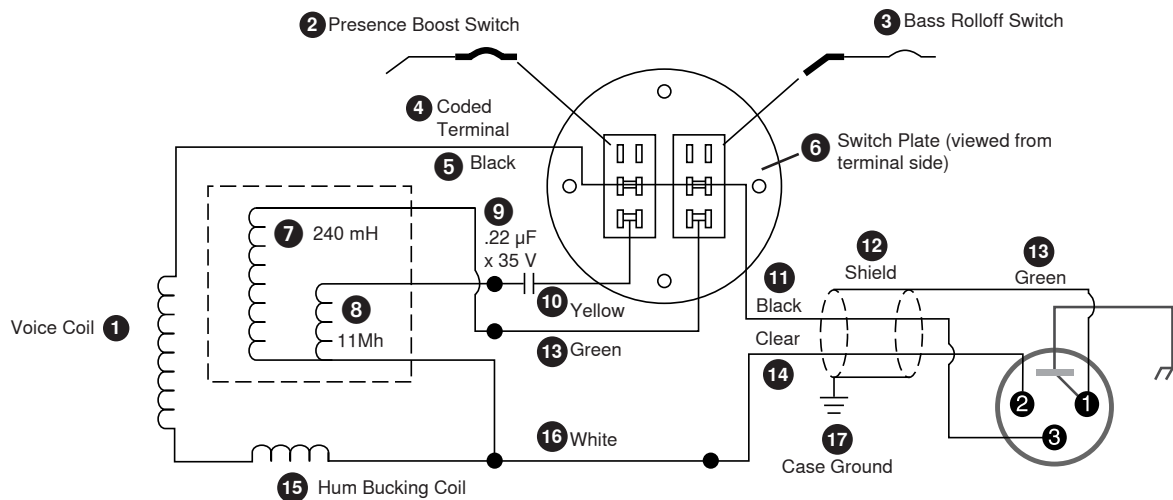
NOTE: If the tightening nuts do not hold the microphone in position, one or both of the brass sleeves may not be properly seated within all the washers.





MOUNTING ASSEMBLY - EXPLODED VIEW





1. Bobine Mobile
2. Commutateur d'amplification de présence
3. Commutateur d'atténuation des basses
4. Borne Codifiée
5. Noir
6. Plaque de commutateur (Vue du Côté de la borne)
7. 240 mH
8. 11Mh
9. .22 µF x 35 V
10. Jaune
11. Noir
12. Blindate
13. Vert
14. Translucide
15. Bobine de compensation du ronflement
16. Blanc
17. Masse Du Corpts

1. Schwingspule
2. Präsenzanzhebungsschalter
3. Bass-rolloff-schalter
4. Codierter anschluss
5. Schwarz
6. Schalterplatte (ansicht Von anschlussseite)
7. 240 mH
8. 11Mh
9. .22 µF x 35 V
10. Gelb
11. Schwarz
12. Abschirmung
13. Grün
14. Lichtdurchlässig
15. Entbrummspule
16. Weiss
17. Gehäuseerde

1. Bobina movil
2. Interruptor de amplificacion de presencia
3. Interruptor de atenuacion progresiva de bajos
4. Borne codificado
5. Negro
6. Placa de interruptores (vista de lado de bornes)
7. 240 mH
8. 11Mh
9. .22 µF x 35 V
10. Amarillo
11. Negro
12. Blindaje
13. Verde
14. Translúcido
15. Bobina anuladora de zumbido
16. Blanco
17. Tierra de chasis

1. Bobina per la voce
2. Interruttore per amplificazione di presenza
3. Interruttore per attenuazione alle basse frequenze
4. Terminale codificato
5. Nero
6. Placca portainterruttori (vista dal lato del terminale)
7. 240 mH
8. 11Mh
9. .22 µF x 35 V
10. Giallo
11. Nero
12. Schermatura
13. Verde
14. Translucido
15. Bobina antironzio
16. Bianco
17. Massa involucro

1. 音声コイル
2. プレゼンスブーストスイッチ
3. 低域ロールオフスイッチ
4. 端子
5. 黒色
6. スイッチプレート (端子側)
7. 240 mH
8. 11Mh
9. .22 µF x 35 V
10. 黄色
11. 黒色
12. シールド
13. 緑色
14. 透明
15. ハムバックングコイル
16. 透明
17. ケース (アース)