

545SD Classic Unidyne[®] Instrument Microphone

Microphone classique d'instrument de 545SD Unidyne[®]

Microfono classico dello strumento di 545SD Unidyne[®]

545SD Klassisches Unidyne[®] Instrumenten-Mikrofon

Micrófono clásico del instrumento de 545SD Unidyne[®]

**микрофон аппаратуры 545SD
классицистический Unidyne[®]**

545SDクラシックUnidyne[®]楽器用マイクロフォン

545SD 클래식 Unidyne[®] 악기용 마이크

545SD 经典 Unidyne[®] 乐器话筒



GENERAL

The Model 545SD is a dual-impedance, unidirectional, dynamic microphone. Shipped connected for low-impedance operation, it features a silent magnetic reed on/off switch.

The Classic Unidyne is a favorite for instrument pickup and recording, and can be used on lecterns for public address systems such as those used in political conventions and legislatures, convention halls, hotels, public auditoriums, stadiums, schools, and churches.

FEATURES

- Exceptionally uniform cardioid pattern minimizes feedback in PA applications
- Selectable dual-impedance operation
- Silent magnetic reed on/off switch with lock option
- Cardioid dynamic
- Frequency response: 50 to 15,000 Hz

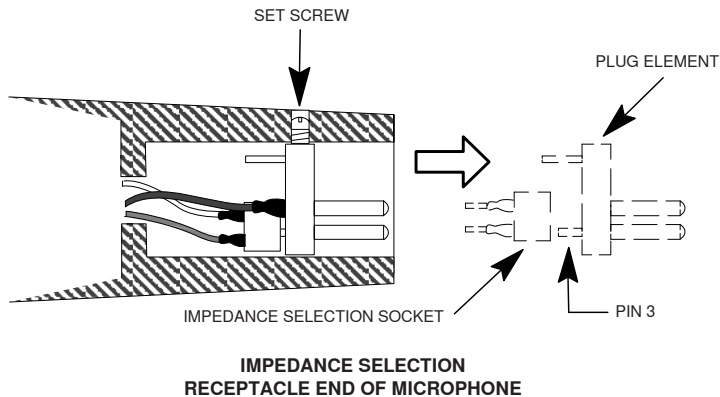
CONNECTIONS

When using the microphone with a balanced input, pins 2 and 3 are the audio signal carriers. When using the microphone with an unbalanced input, use a cable wired with pin 2 as the signal carrier and pin 3 connected to the cable shield (ground), such as the Shure C20AHZ high-impedance cable.

IMPEDANCE SELECTION

The microphone is shipped connected for low impedance operation. To change to high impedance, proceed as follows:

1. Remove plug element at receptacle end of microphone by turning slotted setscrew in (counterclockwise) and carefully withdrawing plug element from case.
2. Disconnect 2-terminal impedance selection socket from rear of plug element.
3. Reconnect 2-terminal impedance selection socket in reverse position so that pin 3 of plug element is inserted in socket terminal "H" (White).
4. Reassemble plug element into microphone and seal setscrew securely by turning out (clockwise).



POLARITY

All cables and microphones should be tested to ensure that they have the same polarity. To test two microphones and/or their cables for proper polarity, connect them to an amplifier and talk or sing into them while holding them three or four inches apart. The sound from the speakers should be the same when talking into either microphone or directly between them. If the sound drops drastically, or if a dead spot is found when talking between the two microphones, either the microphones or their cables have opposite polarity.

To change the polarity of a microphone cable, either use a Shure A15PRS phase reverser or interchange the wires connected to pins 2 and 3 of the three-pin connector at one end of the cable. To change the polarity of a microphone, the microphone cartridge leads must be interchanged. This should be performed by your dealer, the Shure Factory Service Department, or other qualified service personnel.

SPECIFICATIONS

Type	Dynamic
Frequency Response	50 to 15,000 Hz
Polar Pattern	Cardioid (unidirectional)-uniform with frequency, symmetrical about axis
Impedance	Dual. Microphone rating impedance is 150 ohms (250 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms and "High" for connection to high-impedance microphone inputs. Wired for low impedance as supplied. To change impedance, see sections on Impedance Selection and Connections.
Output Level (at 1,000 Hz)	Open Circuit Voltage* L -58.0 dB (1.3 mV) H -35.0 dB(17.6 mV) *0 dB = 1 volt per Pascal (1 Pa = 94 dB SPL)
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 (with respect to pin 3).
Switch	Built-in magnetic reed on/off switch with lockplate. To lock switch in the ON position, remove screw on lockplate and turn lockplate 180°. Reassemble and tighten screw.
Cartridge Shock Mount	Internal rubber vibration-isolator
Swivel Adapter	Positive action, adjustable through 90° from vertical to horizontal, permits easy removal for handheld use, suitable for mounting on stand with 5/8"-27 thread
Case	Chrome-plated die casting with ARMO-DUR® grille and stainless steel screen
Net Weight (less cable)	255 grams (9 oz)

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
Wannenacker Str. 28
D-74078 Heilbronn, Germany

Phone: +49 7131 72 14 0
Fax: +49 7131 72 14 14
E-Mail: EMEAsupport@shure.de

FURNISHED ACCESSORY

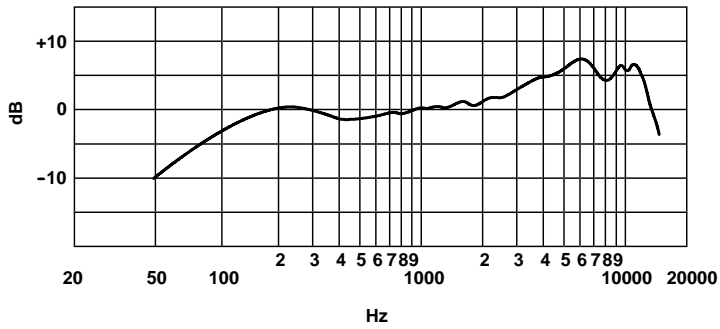
Swivel Adapter	A25D
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REPLACEMENT PARTS

Cartridge	R45
Screen and Grille	RK244G

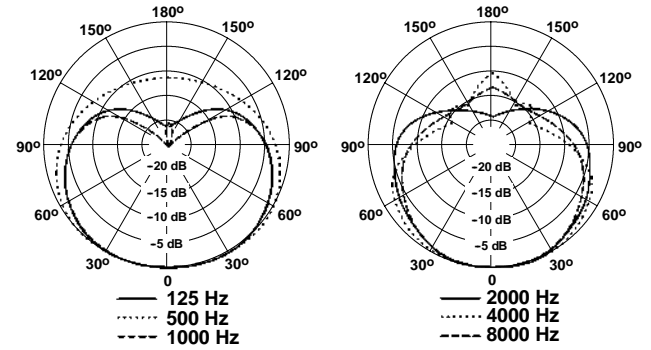
OPTIONAL ACCESSORIES

Line Matching Transformer	A95 Series
Isolation Mount	A55M, A55HM
Dual Mount	A26M
Windscreen	A2WS-GRA, A2WS-BLK
Cable, LO-Z (7.6 m [25 ft])	C25J
Cable, HI-Z (6.1 m [20 ft])	C20AHZ



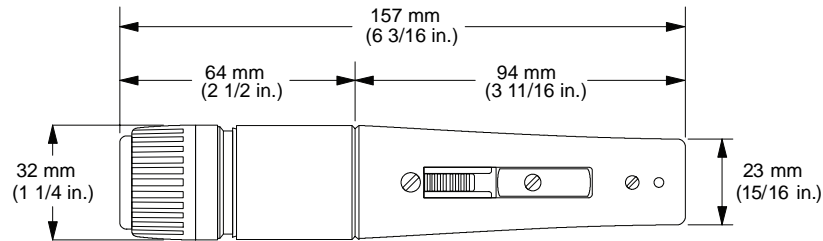
TYPICAL FREQUENCY RESPONSE

COURBE DE REPOSE TYPIQUE - TYPISCHER FREQUENZGANG
 RESPUESTA DE FRECUENCIA TIPICA - TIPICA RISPOSTA IN FREQUENZA - ТИПИЧНАЯ
 ЧАСТОТНАЯ ХАРАКТЕРИСТИКА - 周波数特性 - 주파수 응답 - 典型频率响应



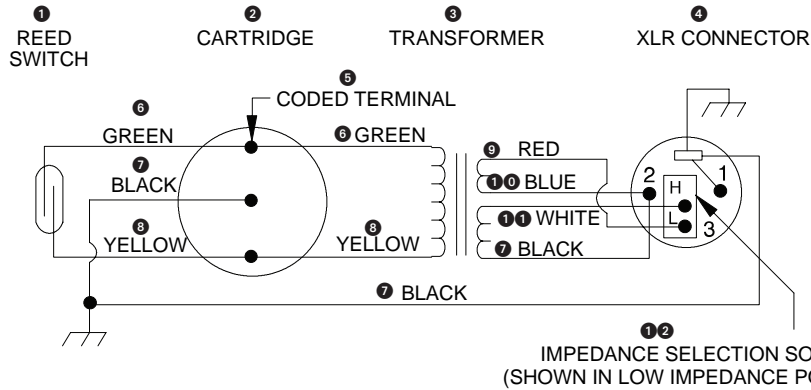
TYPICAL POLAR PATTERNS

COURBE DE DIRECTIVITE TYPIQUES - TYPISCHE RICHTCHARAKTERISTIK
 PATRONES DE CAPTACION POLAR TIPICOS - TIPICI DIAGRAMMI POLARI
 ТИПИЧНЫЕ ДИАГРАММЫ НАПРАВЛЕННОСТИ - 指向特性
 - 극성 패턴 - 典型指向性图样



OVERALL DIMENSIONS

DIMENSIONS HORS TOUT - GESAMTABMESSUNGEN - DIMENSIONES TOTALES -
 DIMENSIONI TOTALI - 寸法 - ГАБАРИТНЫЕ РАЗМЕРЫ - 整体尺寸 - 전체 크기



1. INTERRUPTEUR À LAME
2. CAPSULE
3. TRANSFORMATEUR
4. CONNECTEUR TYPE XLR
5. BORNE CODÉE
6. VERT
7. NOIR
8. JAUNE
9. ROUGE
10. BLEU
11. BLANC
12. PRISE DE SÉLECTION D'IMPÉDANCE (EN POSITION DE BASSE IMPÉDANCE)

1. SUNGENSCHALTER
2. KAPSEL
3. TRANSFORMATOR
4. XLR-STECKER
5. CODIERTER ANSCHLUSS
6. GRÜN
7. SCHWARZ
8. GELB
9. ROT
10. BLAU
11. WEISS
12. IMPEDANZAUSWAHLSOCKEL (IN DER NIEDEROHMIGEN STELLUNG DARGESTELLT)

IMPEDANCE SELECTION SOCKET
 (SHOWN IN LOW IMPEDANCE POSITION)

1. INTERRUTTORE REED
2. CAPSULA
3. TRANSFORMATORE
4. CONNETTORE XLR
5. CODED TERMINAL
6. VERDE
7. NERO
8. GIALLLO
9. ROSO
10. BLU
11. BIANCO
12. ZOCCOLO DI SELEZIONE IMPEDENZA (ILLUSTRATO NELLA POSIZIONE DI BASSA IMPEDENZA)

- 1 магнитоуправляемый выключатель
- 2 картридж
- 3 трансформатор
- 4 разъем XLR
- 5 кодированный контакт
- 6 зеленый
- 7 черный
- 8 желтый
- 9 красный
- 10 синий
- 11 белый
- 12 панель выбора импеданса (показана в положении, соответствующем низкому импедансу)

- 外形寸法
- 1 리드 스위치
- 2 카트리지
- 3 트랜스포머
- 4 XLR 콘넥터
- 5 코드 터미널
- 6 녹색
- 7 검정
- 8 노랑
- 9 빨강
- 10 파랑
- 11 흰색
- 12 임피던스 선택 소켓 (그림은 저 임피던스 상태)

1. 리드 스위치
2. 카트리지
3. 트랜스포머
4. XLR 커넥터
5. 코드 터미널
6. 녹색
7. 검정
8. 노랑
9. 빨강
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12. 임피던스 선택 소켓 (그림은 저 임피던스 상태)

- 1 弹簧开关
- 2 话筒头
- 3 音频变压器
- 4 XLR 接头
- 5 带颜色编码的接线端
- 6 绿色
- 7 黑色
- 8 黄色
- 9 红色
- 10 蓝色
- 11 白色
- 12 阻抗选择插孔 (图中所示为低阻抗位置)

1. INTERRUPTOR DE LENGÜETA
2. CAPSULA
3. TRANSFORMADOR
4. CONNECTOR XLR
5. BORNE CIFRADO
6. VERDE
7. NEGRO
8. AMARILLO
9. ROJO
10. AZUL
11. BLANCO
12. PUENTE SELECTOR DE IMPEDANCIA ILUSTRADO EN POSICION DE BAJA IMPEDANCIA

SHURE®

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