



SP-746 / SP-946 / SP-765

Heavy-Duty Performance Headworn Microphone

SPECIAL PROJECTS®

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FEATURES

- Professional Sound Quality
- Heavy-Duty Headworn Design
- Adjustable, Rubber-Coated Steel Head Band
- Dynamic, Condenser or Waterproof Elements Available
- Rugged, Durable Construction

DESCRIPTION

The Special Projects® heavy-duty performance series headworn microphones are designed for the active professional, offering hands-free communication and voice amplification allowing complete freedom of movement. The SP-946 incorporates a dynamic element and a unidirectional polar pattern designed for use in live performances, presentations, language interpretation and many other close-up voice amplification needs. The SP-765 features a condenser element providing a wide, natural sounding frequency response ideal for use in live performances, theatre presentations, entertainment and television reporting, sports casting, language interpretation, houses of worship and many more vocal and music performance applications. The SP-746 is characterized by its waterproof, noise-cancelling element, designed for use in dance and fitness instruction, aerobics, theme park and amusement games, or anywhere there is a need for a waterproof headworn microphone. Each model's headband and gooseneck are sealed for protection against rain, dust and perspiration. The gooseneck boom permits precise placement under the lips and stays in place during physical activity. These heavy-duty performance series headworn microphones are built extremely rugged to withstand the normal abuse associated with performance applications. They are compatible with most wireless systems, or direct cable connections when incorporated with any of Special Projects® wide variety of connectors and/or power modules.

SPECIFICATIONS

SP-946 MICROPHONE SPECIFICATIONS:

Generating Element Dynamic
 Polar Pattern Hyper-Cardioid
 Open Circuit Sensitivity -63dB (re: 1V/Pa) @ 1KHz
 Impedance 200 ohms @ 1 kHz
 Frequency Response 150-9,000 Hz

SP-746 MICROPHONE SPECIFICATIONS:

Generating Element Electret Condenser
 Polar Pattern Bi-Directional / Noise Cancelling
 Open Circuit Sensitivity -52dB (re: 1V/Pa) @ 1KHz
 Impedance: 1K Ohms @ 1KHz
 Frequency Response 100-15,000 Hz
 Maximum Input SPL 120 dB SPL

*Waterproof Microphone Capsule

SP-765 MICROPHONE SPECIFICATIONS:

Generating Element Electret Condenser
 Polar Pattern Super-Cardioid
 Open Circuit Sensitivity -41 dB (re: 1V/Pa) @ 1KHz
 Impedance 1K Ohms @ 1 KHz
 Self Noise -34 dBA
 Frequency Response 100-16,000 Hz
 Signal to Noise 60 dB
 Maximum Input SPL 120 dB SPL
 Dynamic Range 86 dB

OVERALL SPECIFICATIONS:

Cable 1.22 m / 4 ft. (standard)
 Cable Type 2-Conductor / Shielded
 Connector Unterminated
 Weight (SP-746/SP-765) 42 g / 1.5 oz. (without cable)
 Weight (SP-946) 52 g / 1.8 oz. (without cable)

WIRING DIAGRAMS

SP-946

Shield Ground
 Red Mic +

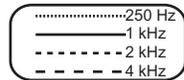
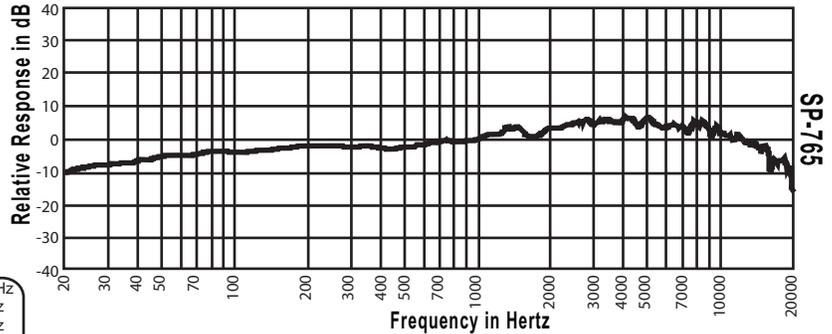
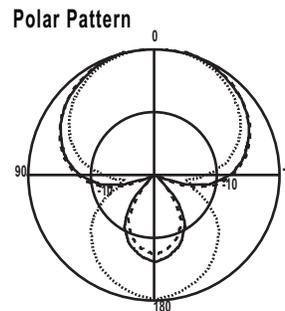
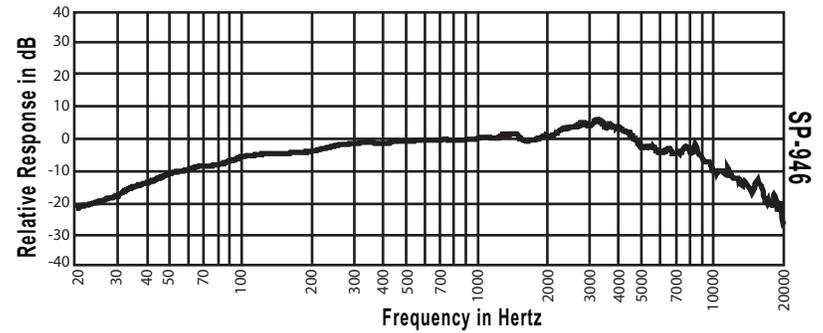
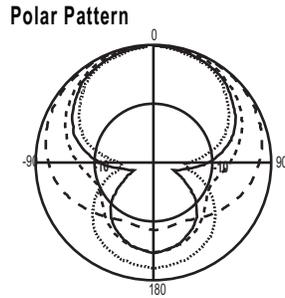
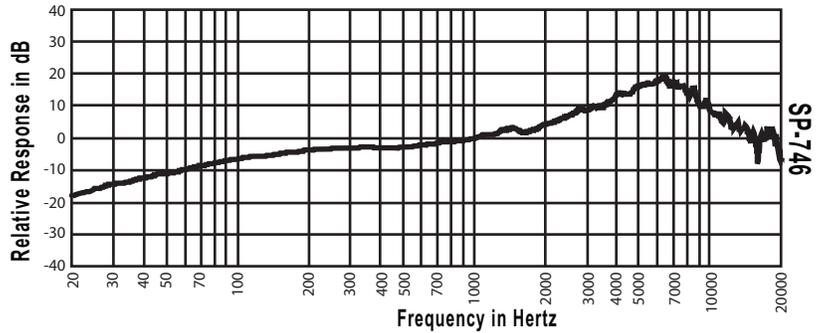
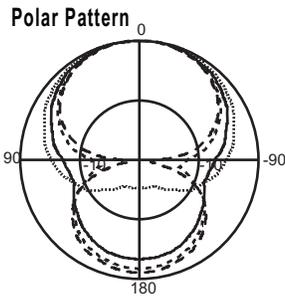
SP-746/SP-765

Shield Ground
 White Mic +
 Red Bias +

ACCESSORIES

SP-746 Windscreen (Included) RWS-015
 SP-946 Windscreen (Included) RWS-012
 SP-765 Windscreen (Included) RWS-016
 Power Module (requires battery or phantom power) (Optional) SP-PM1
 Power Module (requires phantom power) (Optional) SP-PM2
 Inline Battery Power Module (Optional) SP-PM3

FREQUENCY RESPONSE AND POLAR PATTERN



CONNECTORS

| | |
|-----------------------------------|-------|
| Audio-Technica Hirose 4 PIN | SP.01 |
| Lightspeed Hirose 4 PIN | SP.02 |
| Telex TA4F | SP.03 |
| Shure TA4F | SP.04 |
| Vega TA4F | SP.05 |
| Electro-Voice TA4F | SP.06 |
| Nady TA3F | SP.07 |
| Samson TA3F | SP.08 |
| Telex LEMO 4 PIN | SP.09 |
| Vega LEMO 4 PIN | SP.10 |
| TOA 3.5mm | SP.12 |
| Sony 3.5mm Locking | SP.13 |
| Azden 3.5mm | SP.14 |
| Special Projects JA3F | SP.15 |
| AKG TA3F | SP.16 |
| Shure 1/4" plug (requires SP-PM3) | SP.17 |
| Sennheiser 3.5mm Locking | SP.19 |
| Lectrosonics TA5F | SP.23 |
| Sabine MJ40 | SP.28 |
| Special Projects 6 PIN | SP.31 |

*Special Projects® offers a wide variety of connectors and adaptors. Other connector options are available for most wireless systems. For direct cable connections, incorporate a Special Projects® Power Module (listed under accessories).

*The manufacturers listed on this page are Registered Trademarks of their respective companies and in no way are associated with Special Projects®.

*Due to Special Projects® dedication to improving product performance and testing procedures, specifications may change at any time without further notice.