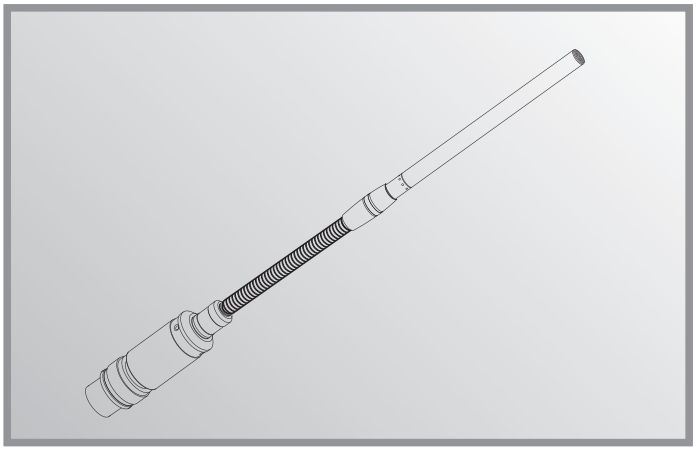
# ES-9 Super Directivity Professional Gooseneck Conference Microphone

Relacart®

## PROFESSIONAL GOOSENECK MICROPHONE



ES-9 gooseneck microphone is a professional microphone which is wide-range condenser super directivity, built-in audio transformer and have high quality pick up effect. This microphone is suitable for seminar, middle-large meeting, television broadcasting and professional recording.

## 01

### Key Features

Anti-interference: All the ES series microphone's shell make of fine copper , so that the structure is strong and durable. Combine with radio frequency interference (ORF) shielding technology, it can provide outstanding ability of anti-interference of radio frequency, can avoid the interference from portable wireless device, like mobile phone.
Flexible adjustment: The gooseneck bending structure without effect of memory, which can adjust the microphone radio head to the right place quickly and flexibly. The radio head have windproof sponge cover, it can reduce whiff and other sound of wind when talking.
Clear sound quality: ES series microphone has low cut switch which can prevent plosive and unique mute switch, cooperate with transformer coupling ultra-low resistance output, the sound quality is extremely clear. It is much better than common phantom conference microphone.
Directivity pick up: super cardioid pattern, pick up flexible and clear, design the frequency response for human voice.
Indicative light: the red LED halo light can make the working status clearly.
Phantom power: the built-in power module use direct current 11V to 52V phantom power.

## 02

### Notice

Nowadays condenser microphone cannot be over-sensitive to the environment, but in the extremely high or low temperature it may be ruined. Exposed to the high temperature can cause the output level reducing permanently. Therefore, we should not keep the microphone under the sun , or keep it in the place which temperature is over 43 degree in a long time, also avoid to keep it in the extremely high humidity environment.

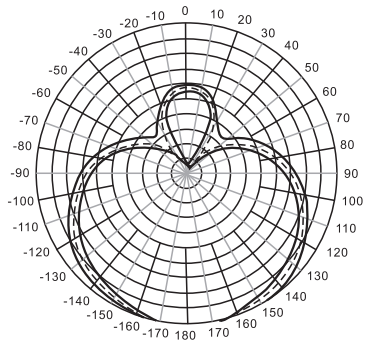
## 03

### Technical Specifications

| | |
|---|---|
| Capsule Type: | Condenser super cardioid directivity |
| Frequency Response: | 30Hz-18KHz |
| Low frequency Roll-Off: | 100Hz,18 dB / octave |
| Open Circuit Sensitivity: | -30dB (10.0 mV) re 1V at 1Pa |
| Output Impedance: | 250Ω |
| Maximum Input Sound Level: | 130 dB, 1KHz at 1% T.H.D |
| Dynamic Range(Typical): | 110dB, 1KHz at max. SPL |
| S/N Ratio: | >68dB, 1KHz at 1Pa |
| Switch: | Flat, roll-off |
| Phantom Power Requirements: | DC 11-52V |
| Consumption: | 5mA (typical) |
| Dimensions/Weight: | 320mm/170g |
| Output Connector : | Integral 3-pin XLRM-type |
| Best Distance for Sound pickup: | 10cm-20cm |
| Color: | Black |

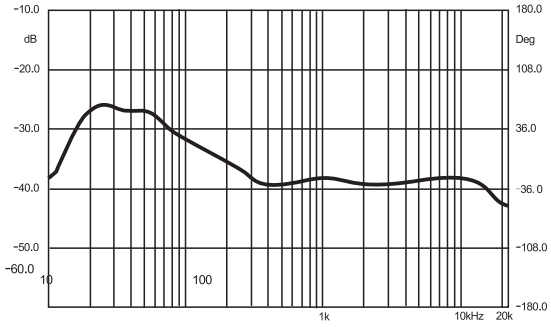
## 04

### Polar Pattern



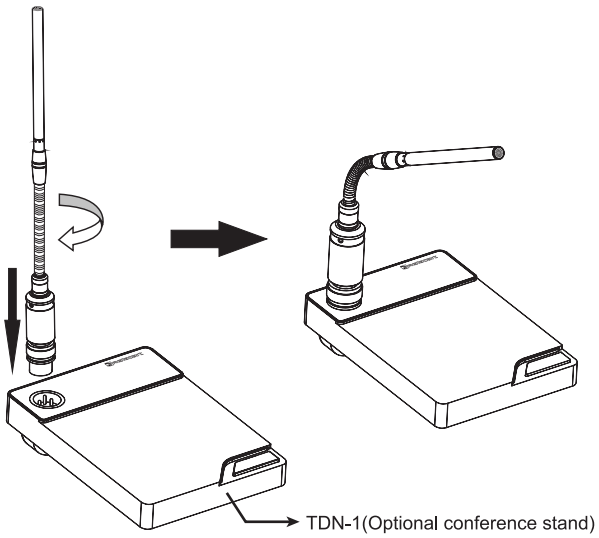

## 05

### Frequency Response




## 06

### Installation and Operation




As shown in the figure, ES-9 gooseneck microphone use XLRF plug as for the microphone signal output terminal. The XLRF should direct at the stand, and tighten the screw collar. Use the design of screw collar socket can make the microphone and the stand more stable, also can prevent the physical noise producing from the loose between the microphone and stand when using.
ES-9 series conference microphone' audio output is as low resistance balanced audio output, the audio signal was output by the XLRF terminal No.2 and No.3 pin. Pin No.1 is connecting with earth wire (shield). The output phase which is as positive phase level is set in No.2 pin.
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