



DRK K5C2 Complete 7 Mic set

User Guide



Specifications

PRA218B

Type

Dynamic microphone

Polar pattern

Unidirectional (Super Cardioid), rotationally symmetrical about microphone axis, uniform with frequency. (Figure 1)

Frequency response

30 to 10,000 Hz (Figure 2)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-61dBV/Pa (0.8mV/Pa)

1Pa=94dB SPL

Rated impedance

200Ω

Max. SPL (1 kΩ load)

148dB SPL (THD≤1% 1kHz)

Connector

Integral 3 pin male XLR type

Finish

Metal construction with black painted finish

Dimension

Φ58x140mm (2.30x5.50 in.)

Weight

330 grams (11.6 oz.),
HM27 mic. clip include.

Tom tom

Type

Dynamic microphone

Polar pattern

Unidirectional (Super Cardioid), rotationally symmetrical about microphone axis, uniform with frequency. (Figure 3)

Frequency response

50 to 16,000 Hz (Figure 4)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-57dBV/Pa (1.4mV/Pa)

1Pa=94dB SPL

Rated impedance

200Ω

Max. SPL (1 kΩ load)

138dB SPL (THD≤1% 1kHz)

Connector

Integral 3 pin male XLR type

Finish

Metal construction with black painted finish

Dimension

Φ48x105mm (1.90x4.10 in.)

Weight

230 grams (8.10 oz.),
HM28 mic. clip include.

Snare

Type

Dynamic microphone

Polar pattern

Unidirectional (Super Cardioid), rotationally symmetrical about microphone axis, uniform with frequency. (Figure 5)

Frequency response

50 to 16,000 Hz (Figure 6)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-56dBV/Pa (1.6mV/Pa)

1Pa=94dB SPL

Rated impedance

200Ω

Max. SPL (1 kΩ load)

135dB SPL (THD≤1% 1kHz)

Polarity

Pin 2 produce a positive voltage (relative to pin 3) when diaphragm accept a frontal pressure

Connector

Integral 3 pin male XLR type

Finish

Metal construction with black painted finish

Dimension

Φ48x105mm
(1.90x4.10 in.)

Weight

230 grams (8.10 oz.),
HM28 mic. clip include.

E102

Type

Back electret condenser microphone

Polar pattern

Unidirectional (Cardioid), rotationally symmetrical about microphone axis, uniform with frequency. (Figure 7)

Frequency response

50 to 16,000 Hz (Figure 8)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-43dBV/Pa (7.1mV/Pa)

1Pa=94dB SPL

Rated impedance

200Ω

Max. SPL (1 kΩ load)

149dB SPL (THD≤1% 1kHz)

Dynamic range (1kΩ Load)

112dB

Power supply

9 to 48 Vdc phantom power

Current consumption

3mA

Connector

Integral 3 pin male XLR type

Finish

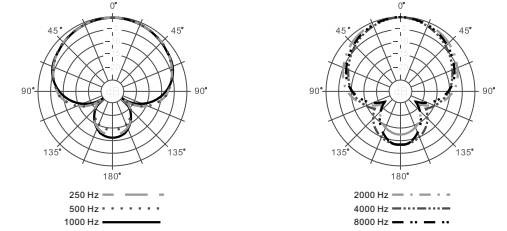
Metal construction with black painted finish

Dimension

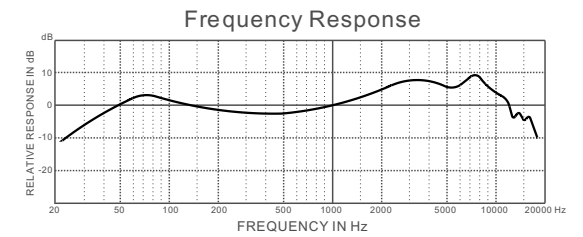
Φ21x200mm (0.83x7.90 in.)

Net weight

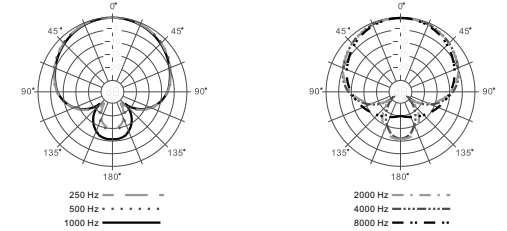
140 grams (5.0 oz.)



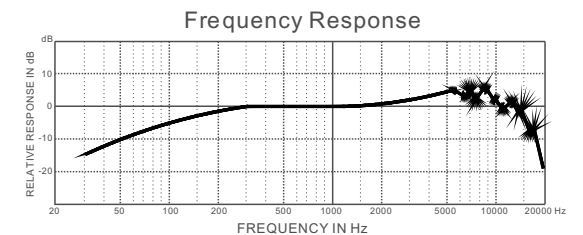
PRA218B
TYPICAL POLAR PATTERN (Figure 1)



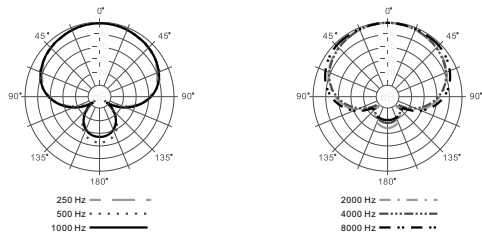
PRA218B
TYPICAL FREQUENCY RESPONSE (Figure 2)



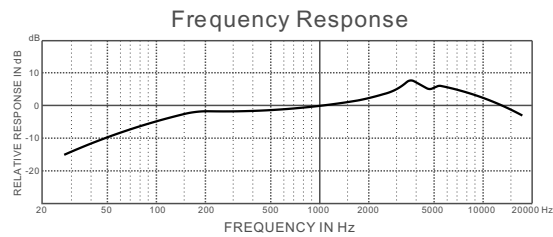
Tom tom
TYPICAL POLAR PATTERN (Figure 3)



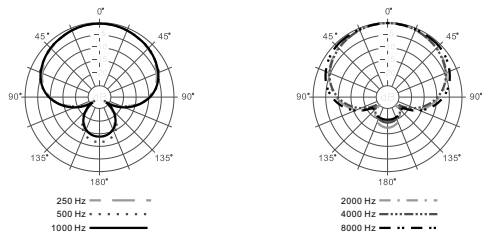
Tom tom
TYPICAL FREQUENCY RESPONSE (Figure 4)



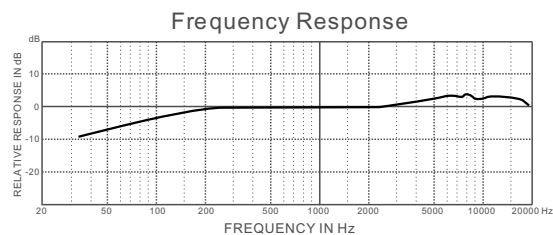
Snare
TYPICAL POLAR PATTERN (Figure 5)



Snare
TYPICAL FREQUENCY RESPONSE (Figure 6)



E102
TYPICAL POLAR PATTERN (Figure 7)



E102
TYPICAL FREQUENCY RESPONSE (Figure 8)

Description

The DRKK5C2 combined 7 professional microphones for picks up a drum set. These microphones are 1 PRA218B for kick drum, 3 Tom tom for tom-tom, 1 Snare for snare, and 2 E102 for overheads. These high quality microphones can also be used for various instruments, such as strings and winds.

Features

PRA218B

- Control boost at 60~100Hz and 2.5kHz for rich and punch sound.
- High SPL, large dynamic range, and low distortion
- Suitable for low frequency instruments, such as kick, floor tom, timpani, bass guitar---

Tom tom

- Unique mid bass response for strong and realistic drum sound that emphasis drum characteristics.
- Large dynamic range, low distortion.
- Suitable for mid-bass instruments, such as tom-tom, floor-tom or guitar.

Snare

- Unique mid high band response for reach sound.
- Clean, bright and crisp penetrated sound characteristic.
- For high SPL, large dynamic and low distortion.
- Suitable for winds and electric guitar.

E102

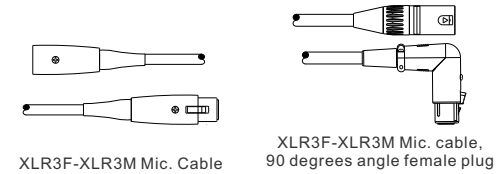
- Very good response for high frequency instruments such as cymbal and hi-hat.
- High SPL, large dynamic and low distortion
- Suitable for piano, harp, cymbal, and percussions.

Package

Large deluxe aluminum carrying case.

Supplied accessories

- 1 x HM27 Mic. clip for PRA218B
- 4 x HM28 Mic. clip for Tom tom and Snare
- 2 x HM10B Mic. clip for E102
- 4 x HM12A drum clamps
- 7 balanced XLR3M-XLR3F cables. One of the cable equipped with 90 degrees angle female plug for kick drum microphone (see the attached figure).



Optional accessories

- Adjustable boom stand ----- MS131
- Elastic shock mount ----- HM32
- Table stand ----- HM6

Type of transducer



Condenser

Extremely light weight diaphragm, very sensitive to sound. Very small versions available for hiding applications. High performance condenser microphones are regarded as standard equipment of recording studios for extreme detail capturing. Operates with power, such as phantom or battery.



Dynamics

Durable and simple structure, operates in all kinds of environments. A good dynamic microphone is capable to operate at very high sound pressure level without distortion. Due to structure limit, dynamics cannot be built as small as condenser, but dynamics doesn't require power to operate.



Super Cardioid

Narrower than cardioid pattern. Suitable for multiple microphone setup. Least sensitive angle pointing toward side to rear where most stage monitors are located. Same proximity effect as cardioid microphone.

Mounting the microphone

Pressure gradient microphone is very sensitive to vibration. Suitable shock mount for high performance microphone is necessary for extreme low noise recording. Sturdy stand can set the microphone exactly at the sweet spot and keep it there. Choose heavy duty microphone stand for studio condenser microphone which weights much more than handle microphone.

Superlux provides wide range of microphone stands for various demands. Big Foot Willie is specially developed for large condenser microphones that able to support 2 large microphones with stereo bracket for single point stereo recording.

Extension foot on all the 'E' versions serve to mount heavy studio microphone in limit space live sound applications.

Maintenance

Condenser microphone shall be kept in low humidity environment for best sound performance. Store the condenser microphones in airconditioned room or dehumidifier to keep away form moisture. Clean air is another important factor. Keep away from smoking environment to avoid tar residuals.

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