



## DRKB5C2MKII

Microphone Set for Recording Studio

# User Guide



## Specifications

PRO218A

Type

Dynamic microphone

Polar pattern

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

Frequency response

20 to 10,000 Hz (Figure 2)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-64dBV/Pa (0.63mV/Pa)

1Pa=94dB SPL

Rated impedance

45Ω

Max. SPL (1 kΩ load)

170dB 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

Titanium blue

Dimension

Φ58.0x140.0mm  
(2.28x5.51 in.)

Net weight

350.0 grams (12.5 oz.)

PRO228A

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)

-54dBV/Pa (2.0mV/Pa)

1Pa=94dB SPL

Rated impedance

300Ω

Max. SPL (1 kΩ load)

150dB SPL (THD≤1% 1kHz)

Polarity

Pin 2 output positive voltage (related to pin 3) when diaphragm receives positive pressure. (Diaphragm moving inward)

Connector

Integral 3 pin male XLR type

Finish

Titanium blue

Dimension

Φ43.0(L)x123.0(W)x80.0(H)mm  
[ 1.70(L)x4.85(W)x3.15(H) in. ]

Net weight

180.0 grams (6.3 oz.)

## Specifications

PRA288A

Type

Dynamic microphone

Polar pattern

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

Frequency response

80 to 20,000 Hz (Figure 6)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-56dBV/Pa (1.6mV/Pa)

1Pa=94dB SPL

Rated impedance

500Ω

Max. SPL (1 kΩ load)

140dB 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

Titanium blue

Dimension

Φ29.0x107.0mm  
(1.14x4.21 in.)

Net weight

110.0 grams (3.9 oz.)

PRO268B

Type

Back electret condenser microphone

Polar pattern

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

Frequency response

40 to 20,000 Hz (Figure 8)

Sensitivity

(at 1,000 Hz Open Circuit Voltage)

-43dBV/Pa (7.0mV/Pa)

1Pa=94dB SPL

Rated impedance

200Ω

Max. SPL (1 kΩ load)

140dB SPL (THD≤1% 1kHz)

Dynamic range at 1 kΩ Load

115dB

Power supply

9 to 52 Vdc phantom power

Current consumption

2mA

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

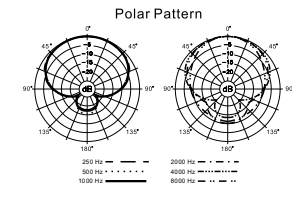
Titanium blue

Dimension

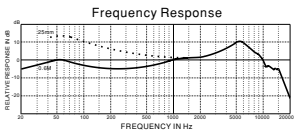
Φ29.0x240.0mm (1.15x9.45 in.)

Net weight

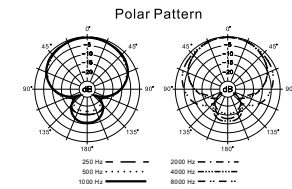
270.0 grams (9.5 oz.)



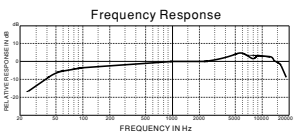
PRO218A  
TYPICAL POLAR PATTERN (Figure 1)



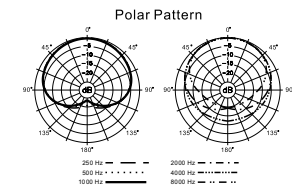
PRO218A  
TYPICAL FREQUENCY RESPONSE (Figure 2)



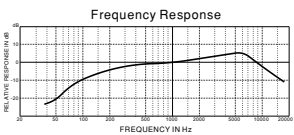
PRO228A  
TYPICAL POLAR PATTERN (Figure 3)



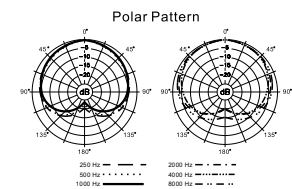
PRO228A  
TYPICAL FREQUENCY RESPONSE (Figure 4)



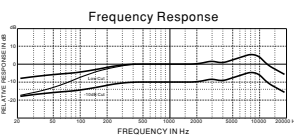
PRA288A  
TYPICAL POLAR PATTERN (Figure 5)



PRA288A  
TYPICAL FREQUENCY RESPONSE (Figure 6)



PRO268B  
TYPICAL POLAR PATTERN (Figure 7)



PRO268B  
TYPICAL FREQUENCY RESPONSE (Figure 8)



## Description

DRK B5C2MKII microphone set is an ideal candidate for stage performance and professional recording studio. This microphone set includes several mikes to match different instruments: namely, 1 PRO218A for bass instruments, 3 PRO228A for mid-low instruments, 2 PRO268B for mid-high instruments and 1 PRA288A for snare drum. Among them, PRO228A features a swivel-integrated body, and other microphones are supplied with clips.

These quality microphones are suitable for the picking-up of drum suite and other instruments as well.

## Features

### PRO218A

- Tailored low frequency response, tender and stout in bass.
- Hardly affected by the changes of load impedance, high gain before feedback.
- Fit for the miking of bass instruments with wide dynamic range, such as bass drum, kick drum etc.
- Supplied with HM27S anti-shock bushing and metal screw adaptor of 3/8" ~ 5/8".

### PRO228A

- Extended mid-low frequency features and wide frequency response.
- Durable to high sound pressure, wide dynamic range, low distortion.
- Fit for instruments with mid-low frequency, such as Tom-tom drum, side drum, and guitar.
- Swivel-integrated body, metal screw adaptor of 3/8" ~ 5/8".

### PRO268B

- High sound pressure level, wide dynamic range, low distortion and high gain before feedback.
- Extended low frequency response with elevation in the mid-high section.
- Fit for the picking-up of instruments with mid-high frequency, such as Hi-hat and cymbal, also suitable for recording in interview.
- Supplied with HM30S general clip and metal screw adaptor of 3/8" ~ 5/8".
- Supplied with S20 foam windshield.

### PRA288A

- Tailored frequency response for snare drum.
- Mini shape, unnoticeable, easy to instal.
- Fit for the miking of snare drum.
- Supplied with HM10S general clip and metal screw adaptor of 3/8" ~ 5/8".



PRA-288A  
miking snare drum

## Supplied accessories



## Optional accessories

Drum clip ----- HM12A  
Elastic shock mount ----- HM32  
Table stand ----- HM6

## Note

This user guide is also applicable to other microphone sets for drum suite in DRKB series. DRKB consists of:

Complete set	Complete set model	DRKB3	DRKB4	DRKB3C2	DRKB4C2	DRKB5C2MKII
PRO218A		1 Pc	1 Pc	1 Pc	1 Pc	1 Pc
PRO228A		2 Pcs	3 Pcs	2 Pcs	3 Pcs	3 Pcs
PRO268B				2 Pcs	2 Pcs	2 Pcs
PRA288A						1 Pc

## Knowing your microphone

Superlux provides variety selection of microphones for professionals and amateurs. To know your microphone is the first step to successful result.

### 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.

### About Frequency Response

#### Flat

Suitable for working at controlled environment, or for acoustic measurements. Although people pursue flatness, but for non-professionals, it is a challenge to make it work as expectation.

#### Popular curve response

Based on years of practical experience of pro users. There are curves to be built for various applications, so that it is very simple to use the microphone for the purpose. Limiting bandwidth, and emphasizing are typical skill.

#### Variable response

Incorporating switchable filters to eliminate interference, such as sub-sonic filter to cut air-conditioner and floor vibrations. And allows full flat when used in controlled environment.

### Directivity



#### Cardioid

Picks up most signal on axis. Rejects side and picks up least to the back. Suitable for live sound re-inforcement. Apparent proximity effect and most singer likes to take this bass boost advantages which is not good for speech.



#### Super Cardioid

Narrower than cardioid pattern. Suitable for multiple microphone setup. Least sensitive angle pointing toward side to rear where most

## 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 from moisture. Clean air is another important factor. Keep away from smoking environment to avoid tar residuals.

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