

PP-Mono

MC Monaural PHONO CARTRIDGE

Phasemation

Owner's Manual

Thank you for purchasing Phasemation PP-Mono, MC monaural phono pick up cartridge. Please read the following instructions carefully to follow the proper use of PP-Mono before setting it up and to enjoy it for many years.

● Connection

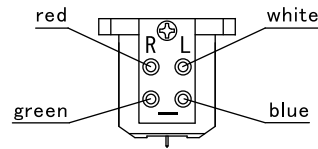
This unit is a monaural cartridge using a 2-winding coil and corresponds with a stereo playing system.

Magnet poles of each terminal are shown on the right.

Properly connect them in accordance with the colors of the lead wires.

When using this as a monaural system, short circuit the red (Right channel Hot) and the blue (Left channel Earth)

The left upper terminal	: Right channel Hot + (red)
The right upper terminal	: Left channel Hot + (white)
The left lower terminal	: Right channel Earth - (green)
The right lower terminal	: Left channel Earth - (blue)



● Installation

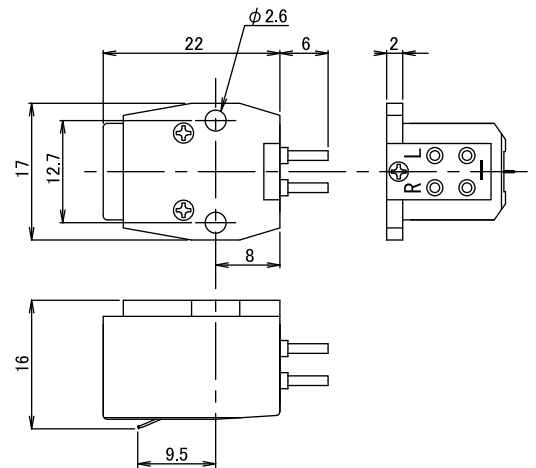
The mounting hole of this cartridge is a through-type and it may be pinched with the shell and the screw. The recommended length of the screw (M2.6mm, P0.45mm) is 10mm.

● Cautions

1. This cartridge PP-Mono is a low-impedance-moving-coil type. Please use it with an MC low impedance step-up transformer or a head amplifier (MC input of PHONO) in order to connect it to a phono amplifier.
2. Please do not touch the coil and the wire when you clean the stylus chip with a brush.
Be sure to avoid using cleaners such as alcohol solvents or it can cause trouble such as chip skipping.
3. Do not apply heat to the cartridge directly such as soldering a lead wire at the output terminal. It can cause trouble such as getting the wire broken.
4. Use at a temperature 20 to 26°C. This cartridge will hardly perform as well as when it was designed if it is used at a temperature out of the range.
Before using this cartridge, please make sure to take enough warm-up time until the room temperature fits in the range especially in winter.
5. When you clean this cartridge, please use dry clean cloth. Be sure to avoid using a cleaner such as alcohol and thinner solvents.
6. The attached wrench and screw are made from steel. Be careful not to let it break or adhere to the magnetic circuits when assembling.

● Specifications

1. Electric Generation	Moving Coil
2. Impedance	4 ohm
3. Appropriate Needle Pressure	1.7 to 2.0 g
4. Output Voltage	0.38 mV or more(horizontally 1kHz 50 mm/s)
5. Freq. Range at Play	10 Hz to 30 kHz
6. Compliance	8.0x(e-6)cm/dyne (100Hz)
7. Channel Balance	Within 1dB (1kHz)
8. Applicable Temp. Range	20 to 26°C
9. Self weight	14.7g
10. Stylus Chip	Diamond (Round Pin/bending rate 1.0mil)
11. Cantilever	Aluminum Pipe
12. Magnet	Samarium-cobalt Magnet
13. Magnetic Circuit Components Material	Purmendur
14. Material of Base/Body	Stainless carved material (with DLC treatment) /Duralumin carved material (with DLC treatment)
15. Dimensions	See the figure
16. Accessories	Hex wrench, Screw (M2.6x10) x2, Washer x2, Nut x2



Dimensions figure(mm)

■ Dimensions and specifications might be changed without notice for the improvement of products.

● Needle exchange

Please contact the dealer when exchanging the needle.

Phasemation

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Phasemation is the original audio brand of Kyodo Denshi Engineering Co., Ltd.