

## M-S Microphone with Ideal Precise Coherent Phase Capsule Layout



- M-S microphone for music recording
- Ideal precise coherent phase M-S capsule layout
- Unique push-pull transducer and audio circuitry

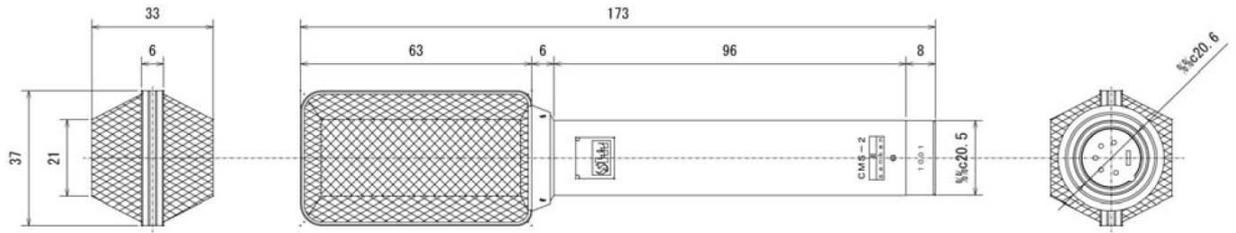
The CMS-2 is an M-S stereo condenser microphone designed primarily to record orchestras, choruses and choirs in theatres, concert halls and churches. Because of the "one point" physical presence of the microphone itself, the operator can obtain a very naturally mixed stereo sound with the use of the MS to LR matrix circuitry. The light titanium diaphragm permits a wide frequency response and the ability to withstand high SPLs up to 145dB. It is a 48V phantom driven microphone. The Sanken CMS-2 is a small and light MS stereo microphone for TV / radio broadcasting, and studio and live music recording. Delivering a natural, uncolored sound and offering perfect reproduction of the stereo sound image, it is ideal as a main microphone for orchestras or musical groups. It is also excellent for capturing difficult sound ambiances of live audiences at pop concerts, talk shows, etc. It features a very flat frequency response [ 20Hz to 18kHz ], and inaudible self-noise [ 16dB or less ], which suits it well for high resolution recording. It also features an original Sanken Push-Pull type capsule design which gives it a 6dB higher sensitivity than similar sized conventional microphones. It has a high maximum SPL, 145dB at 1% THD. The CMS-2 has a one-micron thick titanium diaphragm and it can work with the matrix converter or mixing desks.

### <Specifications>

Directivity	Mid=Cardioid , Side=Figure 8
Transducer	DC biased condenser
Frequency range	20Hz - 18kHz
Sensitivity (nominal at 1kHz)	2.8mV/Pa ( -51dB, 0dB=1V/Pa)
Equivalent noise level (A-weighted)	16dB-A
Max SPL (1% THD)	145dB SPL
Output impedance at 1kHz	250Ω
Powering	+48±4V phantom X 2ch
Current consumption	less than 1.4mA / ch
Weight	180g
Dimensions	173mm X 20.5mm(grip diameter), 63mm(metal mesh part)
Surface finish	satın nickel
Connector	XLR-5M
Included Accessories	H-21D microphone holder

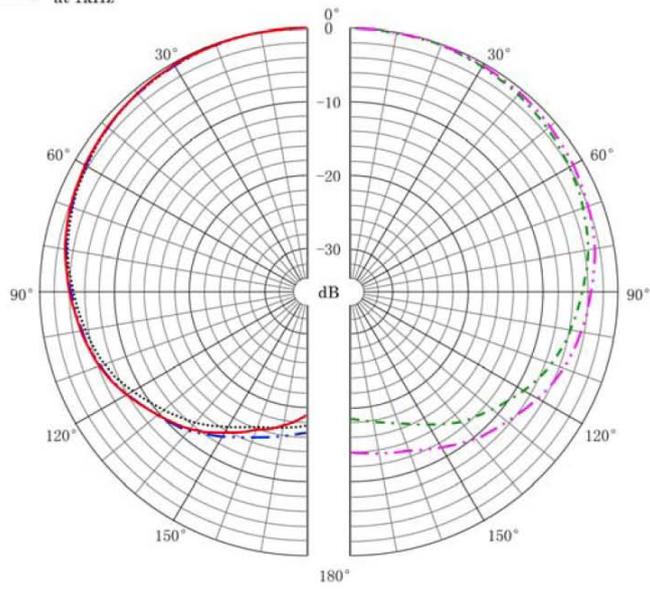
## <Dimensions

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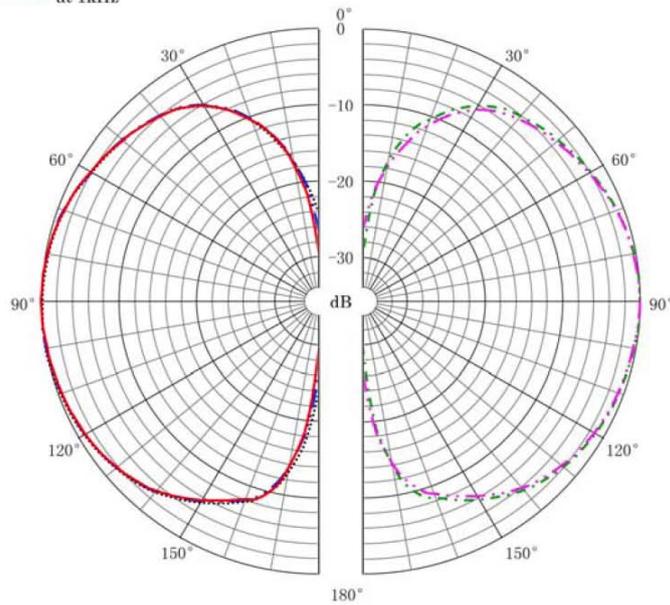


## <Polar Pattern>

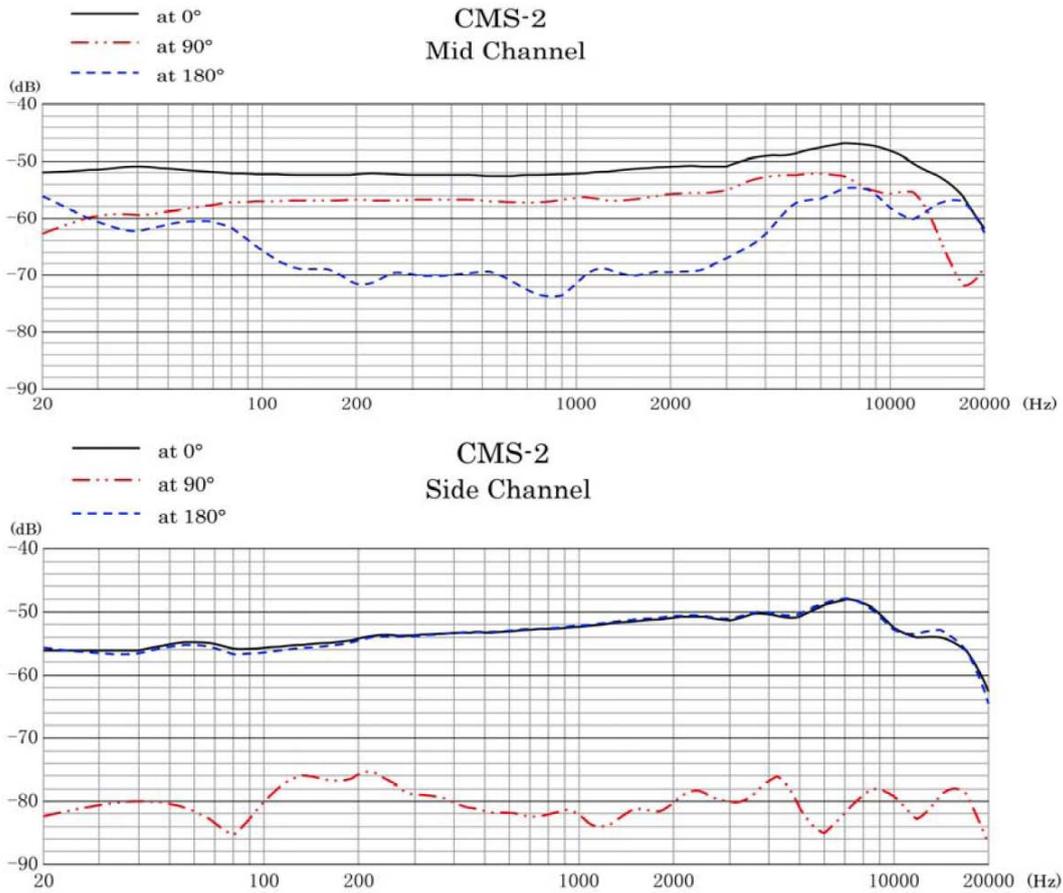
..... at 250Hz  
 - - - at 500Hz  
 — at 1kHz  
 CMS-2  
 Mid Channel  
 - - - at 2kHz  
 - · - at 4kHz



..... at 250Hz  
 - - - at 500Hz  
 — at 1kHz  
 CMS-2  
 Side Channel  
 - - - at 2kHz  
 - · - at 4kHz

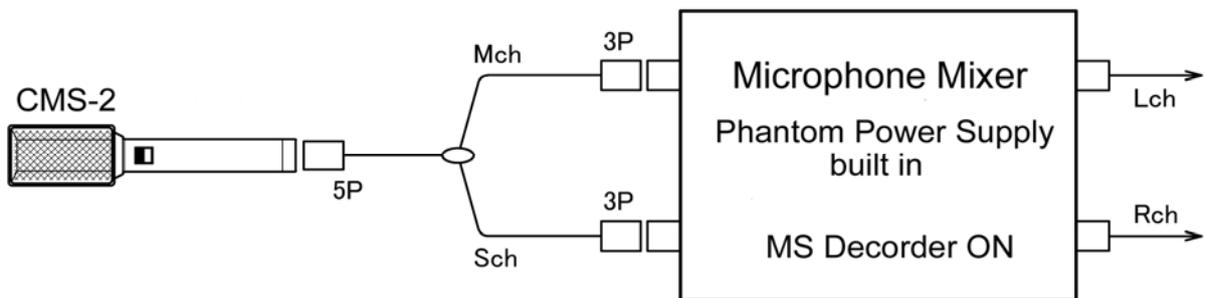


<Frequency Response>

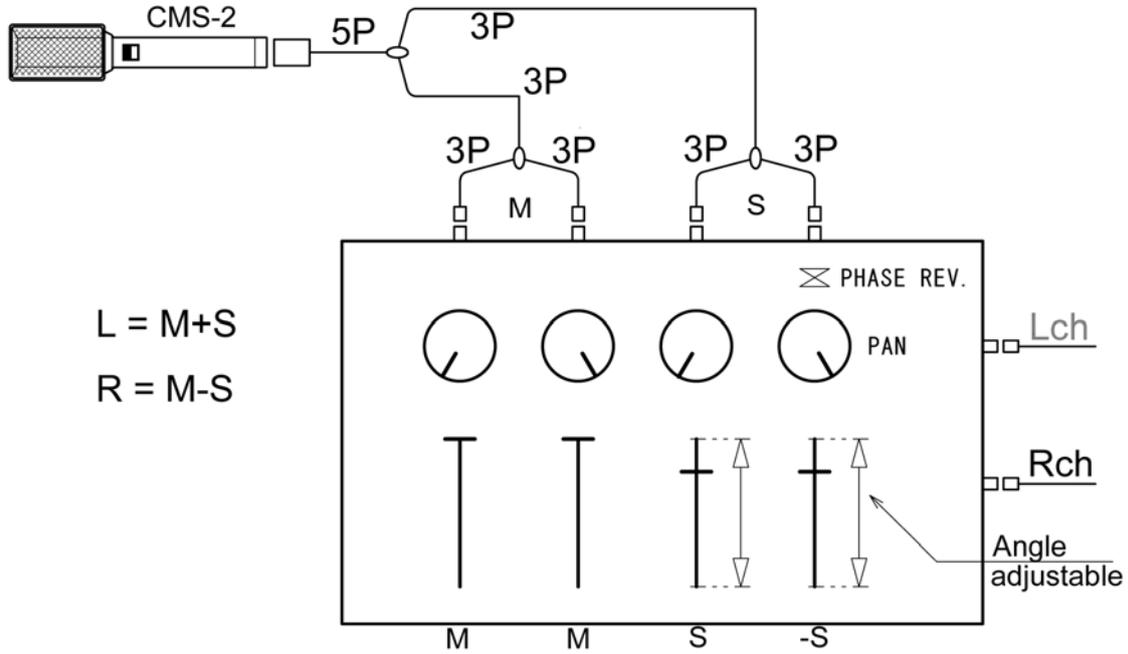


< MS to LR conversion >

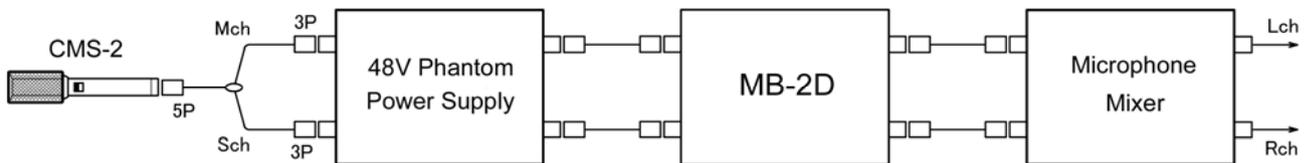
1. Mixer incorporating MS decoder for example YAMAHA PM5D



## 2. Mixer without MS decode function



## 3. Mixer with Matrix Box MB-2D



Specifications are subject to change without notice

**SANKEN MICROPHONE CO., LTD.**

2-8-8 Ogikubo, Suginami-ku, Tokyo 167-0051 Japan

Phone: +81 3 3392 6581 FAX: +81 3 3393 2055

[www.sanken-mic.com](http://www.sanken-mic.com)