

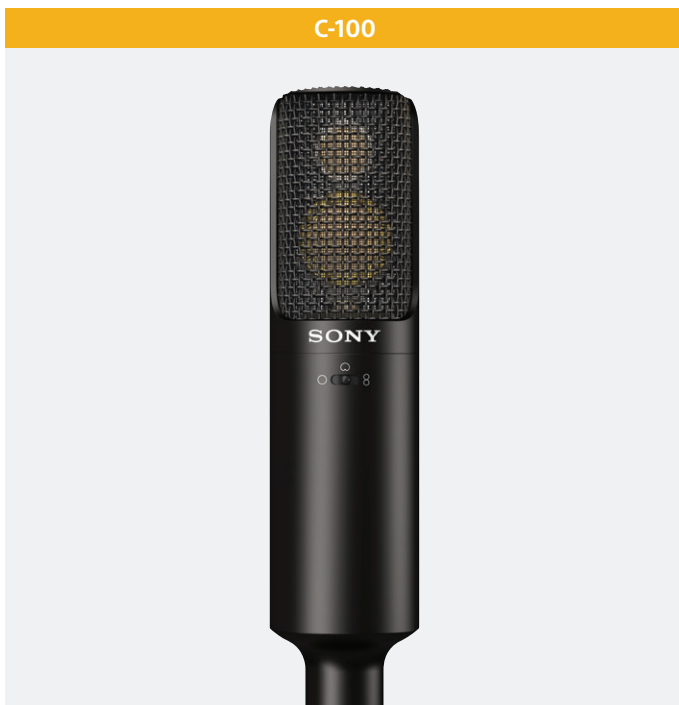
SONY



Hit the hi (res) notes.

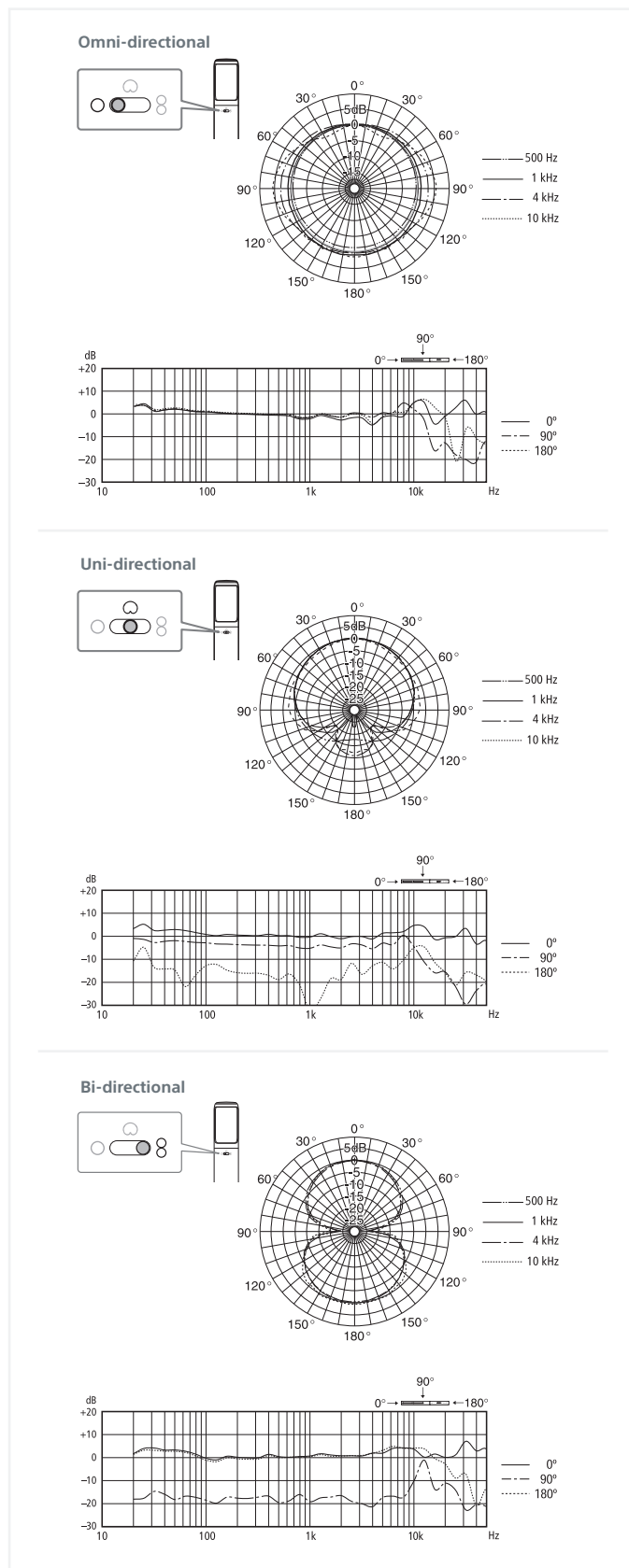
You've got to see (and hear) our latest achievements in High-Resolution microphones to understand their unrivalled sound quality. Designed over the last three years in close collaboration with Sony Music recording engineers, these new models build on Sony's legendary studio microphone heritage. Sony's expanded range of Hi-Res audio products works for any vocal or instrumental need, whether it's in a professional studio, home recording application, in Hi-Res, or Standard-Res.

C-100 Hi-Res Mic—Invented for Vocals



The ultra-compact C-100 is ideal for vocals, supporting Hi-Res recording (~50kHz) with no acoustic vibration, so you can count on low noise and exceptionally clear sound. The C-100 offers a truly natural and 'un-colored' capture, so you can 'hear the music, not the microphone'.

- Two-way structure incorporates newly developed capsules with variable directivity that deliver a wide frequency response of 20Hz to 50kHz
- Selectable pick-up pattern (Omni/Uni/Bi) supports a wide variety of recording applications
- Two-part metallic body structure derived from the C-800G microphone prevents acoustic vibration, resulting in low noise and clear sound
- Low-Cut filter eliminates low-frequency noise and proximity effect
- -10dB pad switch provides added headroom



ECM-100U, ECM-100N Pencil Mics— Ideal for Instruments

These new mics come in two end address models (one cardioid, one omni-directional) that are ideal for instruments.

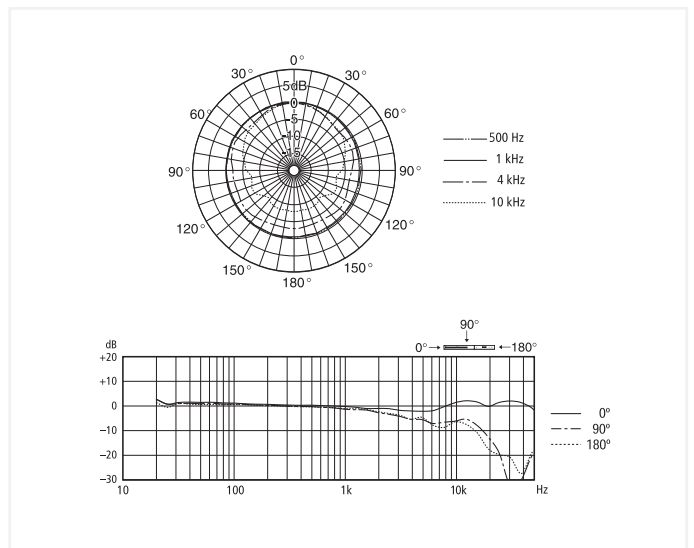
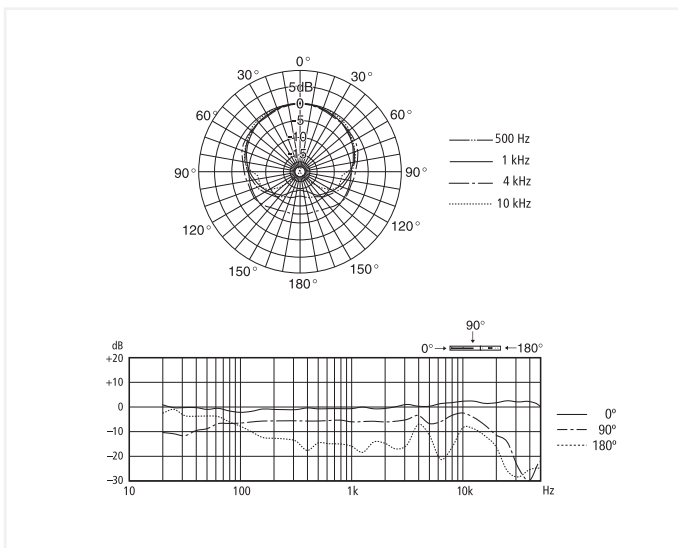
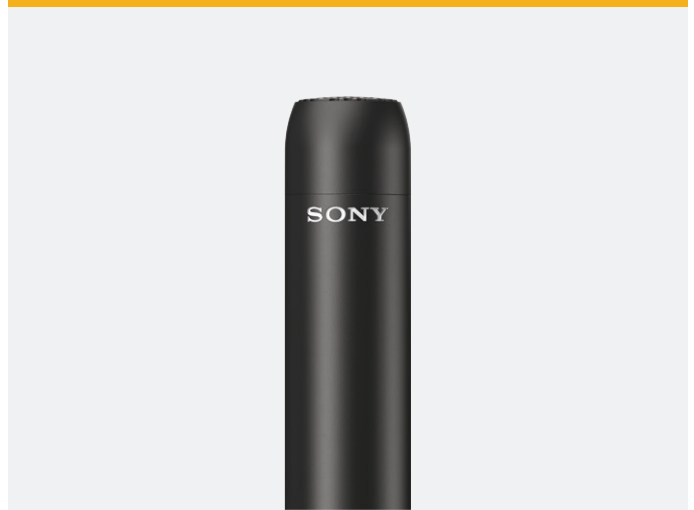
They expand Sony's High-Resolution audio line, designed to ensure that the latest generation of music enthusiasts can enjoy music with all the nuance and detail of the original performance.

- Ultra-compact with a choice of two models: Uni-directional or Omni-directional
- Flat and wide frequency response (20Hz to 50kHz) perfectly suited for both High-Res recording and Standard-Res recording, as well
- Low-Cut filter eliminates low-frequency noise

ECM-100U



ECM-100N



Specifications



| | C-100 | ECM-100U | ECM-100N |
|---|---|--|--|
| Capsule Type | 2-way Microphone (Condenser + Back electret condenser) | Electret Condenser | Electret Condenser |
| Frequency Response | 20 Hz to 50 kHz | 20 Hz to 50 kHz | 20 Hz to 50 kHz |
| Directivity | Cardioid/Omni directional/Bi-directional | Uni-directional | Omni-directional |
| Sensitivity ¹ | -31 dB (Uni-directional) -37 dB (Omni-directional) -35 dB (Bi-directional) (deviation±3 dB) (0 dB=1 V/Pa, 1kHz) | -41 dB (deviation±3 dB) (0 dB=1 V/Pa, 1 kHz) | -36 dB (deviation±3 dB) (0 dB=1 V/Pa, 1 kHz) |
| Output Impedance ² | 90Ω±15%, Balanced | 100Ω±15%, Balanced | 100Ω±15%, Balanced |
| Dynamic Range | 113 dB or more (Uni-directional) 114 dB or more (Omni-directional) 114 dB or more (Bi-directional) | 121 dB or more | 124 dB or more |
| Signal-to-Noise Ratio ³ | 75 dB or more (Uni-directional) 70 dB or more (Omni-directional) 72 dB or more (Bi-directional) | 73 dB or more | 73 dB or more |
| Inherent Noise ⁴ | Less than 19 dB SPL (Uni-directional) Less than 24 dB SPL (Omni-directional) Less than 22 dB SPL (Bi-directional) | Less than 21 dB SPL | Less than 21 dB SPL |
| Maximum Input Sound Pressure Level ⁵ | More than 132 dB SPL (Uni-directional) More than 138 dB SPL (Omni-directional) More than 136 dB SPL (Bi-directional) | More than 142 dB SPL | More than 145 dB SPL |
| Connector | XLR-3-12C (male) | XLR-3-12C (male) | XLR-3-12C (male) |
| Mic Cable | XLR 3-pin Cable Required (Not Supplied) | XLR 3-pin Cable Required (Not Supplied) | XLR 3-pin Cable Required (Not Supplied) |
| Power Requirements | +48 V phantom power | +48 V phantom power | +48 V phantom power |
| Dimensions ⁶ | 1.57 dia. × 6.89 in. (40 dia. × 175mm) | 0.75 dia. × 5.12 in. (19 dia. × 130mm) | 0.75 dia. × 5.12 in. (19 dia. × 130mm) |
| Weight | Approx. 10.2 oz. (290g) | Approx. 4.6oz. (132g) | Approx. 4.6oz. (132g) |

Supplied Accessories

| | | | |
|--|---|---|---|
| Cradle suspension | 1 | – | – |
| Wind screen | 1 | 1 | 1 |
| Stand screw adaptor (W3/8 to NS5/8) | 1 | 1 | 1 |
| Operating instructions | 1 | 1 | 1 |
| Carrying case | 1 | 1 | 1 |
| Mic holder | – | 1 | 1 |

¹ 0 dB = 1 V/Pa, at 1 kHz

² Output impedance at 1 kHz

³ A-weighted, 1 kHz, 1 Pa.

⁴ 0dB SPL = 20μPa.

⁵ 0 dB SPL = 20μPa.

⁶ Weights and dimensions are approximate.