

FGM Series

Installation Microphone

FGM-62T Carbon Dual / FGM-170T Carbon Dual

Floor Stand Mic with Carbon Boom

These are dual microphone version of FGM-62T and FGM-170T.

Model: FGM-62T Carbon Daul / FGM-170T Carbon Daul
Type: True Condenser
Frequency Response: 20 ~ 20,000 Hz
Sensitivity: $-36 \pm 3 \text{ dB}^* (15.8\text{mV}) 0\text{dB} = 1\text{V} / \text{Pa}, 1\text{kHz}$
Directional Pattern: Cardioid
Attenuation Switch: -10dB
Low Frequency Roll-off: 80Hz
Impedance: 100Ω
Max. SPL For 1% T.H.D.: 140 dB
Signal To Noise Ratio: 78dB
Power Supply: 36 ~ 52VDC phantom power
Current consumption: $\leq 3\text{mA}$
Output Connector: 3P XLR-M type (power module)

FGM-62 Carbon Dual / FGM-170 Carbon Dual

Floor Stand Mic with Carbon Boom

These are dual microphone version of FGM-62 and FGM-170.

Model: FGM-62 Carbon Daul / FGM-170 Carbon Daul
Type: Back Electret Condenser
Frequency Response: 50 ~ 18,000 Hz
Polar Pattern: Cardioid, Supercardioid, Omni-directional
Sensitivity (at 1,000 Hz): $-56 \pm 3\text{dB} (1.58\text{mV}) 0\text{dB} = 1\text{V}/\mu\text{bar}$
Impedance: 220Ω
Max. SPL for 1% T.H.D.: 125 dB
Connector: 3P mini XLR (M)
Cable Connector: Input: 3P mini-XLR (F)
 Output: 3P XLR (Power Module)
Power Supply: 9-52 VDC phantom power (LED standard Operation voltage 48V)
Cable Length: 8m



FGM-62T Carbon Dual FGM-170T Carbon Dual FGM-62 Carbon Dual FGM-170 Carbon Dual



Cellphone Friendly

CM Series

Installation Microphone



CM-503U

CM-503U

Low profile boundary microphone

Available in Unidirectional type. Designed for a wide range of applications, conferencing, installed sound, surveillance.

- * Unidirectional pickup pattern
- * Extended frequency response
- * Built in Low Cut and -10 dB Pad
- * Option with Matt Black or Matt White
- * Terminated with XLR (M) connector

Type: Electret Condenser
Frequency Response: 40 to 12,000 Hz
Polar Pattern: Half-Cardioid
Sensitivity (at 1,000 Hz): $-48\text{dB} \pm 3\text{dB}^* (4\text{mV}) * 0\text{dB} = 1\text{V}/\mu\text{bar}$
Attenuation Switch: -10dB
Low Frequency Roll-off: 80Hz
Impedance: 220Ω
Max. SPL For 1% T.H.D.: 140dB
Signal To Noise Ratio: 70dB
Current Consumption: $\leq 3\text{mA}$
Power Supply: 9-52 VDC phantom power
Output Connector: XLR-M type (power module)

CM-503N

Low profile boundary microphone

Available in omnidirectional type. Designed for a wide range of applications, conferencing, installed sound, surveillance.

- * Omnidirectional pickup pattern
- * Extended frequency response
- * Built in Low Cut and -10 dB Pad
- * Option with Matt Black or Matt White
- * Terminated with XLR (M) connector

Type: Electret Condenser
Frequency Response: 40 to 17,000 Hz
Polar Pattern: Omnidirectional
Sensitivity (at 1,000 Hz): $-48\text{dB} \pm 3\text{dB}^* (4\text{mV}) * 0\text{dB} = 1\text{V}/\mu\text{bar}$
Attenuation Switch: -10dB
Low Frequency Roll-off: 80Hz
Impedance: 220Ω
Max. SPL For 1% T.H.D.: 140dB
Signal To Noise Ratio: 68dB
Current Consumption: $\leq 3\text{mA}$
Power Supply: 9-52 VDC phantom power
Output Connector: XLR-M type (power module)

TT-50

Tabletop Microphone

This tabletop conference microphone is designed for recording.

Frequency Response: 50 ~ 18,000 Hz
Polar Pattern: Omni-direction
Sensitivity (at 1,000 Hz): -65 DB
Impedance: 1000 Ω
Length of cord: 1.5 meter
Connector: 3.5 mm mono plug
Power supply: 1.5V battery (LR-44)



CM-503N



TT-50

PTT-1

Push-To-Talk Microphone

This push-to-talk microphone is designed for PA purpose. Coiled cable is attached. A wall hook is designed for easy install. 3 Pin XLR-M type connector.

Type: Dynamic (moving coil)
Frequency Response: 50 ~ 15,000 Hz
Polar Pattern: Cardioid, rotationally symmetrical about microphone axis, uniform with frequency
Sensitivity (at 1,000 Hz): $-68 \pm 3\text{dB}^* (0.398\text{mV}) * 0\text{dB} = 1\text{V} / \mu\text{bar}$
Impedance: 600Ω
Phasing: Positive pressure on diaphragm produces positive voltage on pin 2 output with respect to pin 3
Net Weight: 350 grams



PTT-1

CM Series

Installation Microphone



CM-601 / CM-602

CM-601 / CM-602 Boundary Microphone

- * The CM-601 is designed for conference, house of worship, and theater applications.
- * The CM-601 features red LED indicator, 3 step Low-Cut switch and back electric cardioid condenser capsule.
- * The membrane ON / OFF switch can be programmed to PUSH ON / PUSH OFF, PUSH TO TALK and PUSH TO MUTE three modes.
- * The precisely calculated circuit plus tailored capsule response ensure transparent sound quality.
- * Internal shock mount minimizes mechanical noise.
- * The CM-602 is a simplified version of CM-601 with ON / OFF switch only.

Model: CM-601 / CM-602
Type: Electret Condenser
Frequency Response: 30 ~ 12,000 Hz
Sensitivity (at 1,000 Hz): -53 ± 3 dB * (2.23mV) 0dB = 1V / μbar
Directional Pattern: Half-Cardioid
Impedance: 100Ω
Max. SPL for 1% T.H.D.: 125 dB
Signal-To-Noise Ratio: 67dB
Power Supply: 12-52 VDC phantom power
Current Consumption: ≤ 6mA
Output Connector: 3P Mini XLR-M type (power module)
Net Weigh: 88 grams

CM-601 Only
Low Frequency Roll-off: 80Hz, 120Hz
Switches: Push control: on / off
 Function selection: push on / off, momentary on / off
 Low cut: low frequency roll-off

CM-502WT/CM-502 Choir Microphone

- * Wide dynamic range and frequency response for accurate sound reproduction.
- * High sensitivity and excellent directional pattern allow effective pick-up.
- * Self-contained electronics eliminate need of external power modules.
- * Assisted hanger benefits accurate miking.
- * Mount plate allows microphone to be fixed on the ceiling or wall.
- * Easy installation.
- * Durable material allows permanent installation.
- * Rusty free finish.



CM-502

Type: Electret Condenser
Frequency Response: 100 ~ 18,000 Hz
Polar Pattern: Supercardioid
Sensitivity (at 1,000 Hz): -48dB * (4mV) * 0dB = 1V/μbar
Impedance: 220Ω
Max. SPL for 1% T.H.D.: 125dB
Connector: male XLR type
Standard Accessories: Windscreen / Flexible hanger / Mounting plate



502GS Module
supercardioid

502GC Module
cardioid

502GO Module
omni-direction



CM-22G12

CM-502G6

CM-22G12 Choir Microphone

- * Uses JS-22MXC capsule module which brings studio quality sound to installation microphone.
- * Detachable capsule design renders easy change of capsule and service.
- * High quality gooseneck assures accurate miking.
- * Self-contained electronics eliminates the need of external power module.
- * Durable materials allow fixed installation.
- * CM-22G offers two different lengths, 6 and 12 inches.

Type: Condenser Mic
Frequency Response: 20 ~ 20,000 Hz
Sensitivity: -36 ± 3 dB * (15.8mV) 0dB = 1V / Pa, 1kHz
Polar Pattern: Cardioid
Attenuation Switch: -10dB
Low Frequency Roll-off: 80Hz
Impedance: 100Ω
Max. SPL For 1% T.H.D.: 140 dB
Signal To Noise Ratio: 78dB
Power Supply: 36 ~ 52VDC phantom power
Current consumption: ≤ 3mA
Output Connector: 3P XLR-M type (power module)
Length: 399mm

CM-22G6 Choir Microphone

- * Uses JS-22MXC capsule module which brings studio quality sound to installation microphone.
- * Detachable capsule design renders easy change of capsule and service.
- * High quality gooseneck assures accurate miking.
- * Self-contained electronics eliminates the need of external power module.
- * Durable materials allow fixed installation.
- * CM-22G offers two different lengths, 6 and 12 inches.

CM-502G6 Choir Microphone

- * 502GS supercardioid capsule provides wide dynamic range and frequency response for accurate sound reproduction.
- * Detachable microphone capsule design for optional capsule modules, 502GO and 502GC.
- * High sensitivity and exchangeable microphone capsule can help find the desired pick up pattern.
- * High quality gooseneck assures accurate miking.
- * Self-contained electronics eliminates the need of external power module.
- * Durable materials allow fixed installation.
- * CM-502G offers two different lengths, 6 and 12 inches.

Type: Electret Condenser
Frequency Response: 100 ~ 18,000 Hz
Polar Pattern: Supercardioid
Sensitivity (at 1,000 Hz): -48dB * (4mV) * 0dB = 1V/μbar
Impedance: 220Ω
Max. SPL for 1% T.H.D.: 125dB
Connector: male XLR type
Standard Accessories: Windscreen / Flexible hanger / Mounting plate
Length: 176.7mm

CM-502G12 Choir Microphone

- * 502GS supercardioid capsule provides wide dynamic range and frequency response for accurate sound reproduction.
- * Detachable microphone capsule design for optional capsule modules, 502GO and 502GC.
- * High sensitivity and exchangeable microphone capsule can help find the desired pick up pattern.
- * High quality gooseneck assures accurate miking.
- * Self-contained electronics eliminates the need of external power module.
- * Durable materials allow fixed installation.
- * CM-502G offers two different lengths, 6 and 12 inches.

Type: Electret Condenser
Frequency Response: 100 ~ 18,000 Hz
Polar Pattern: Supercardioid
Sensitivity (at 1,000 Hz): -48dB * (4mV) * 0dB = 1V/μbar
Impedance: 220Ω
Max. SPL for 1% T.H.D.: 125dB
Connector: male XLR type
Standard Accessories: Windscreen / Flexible hanger / Mounting plate
Length: 314.2mm



CM-22G6

CM-502G12