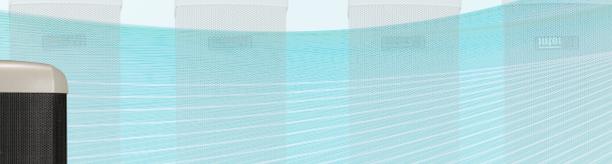
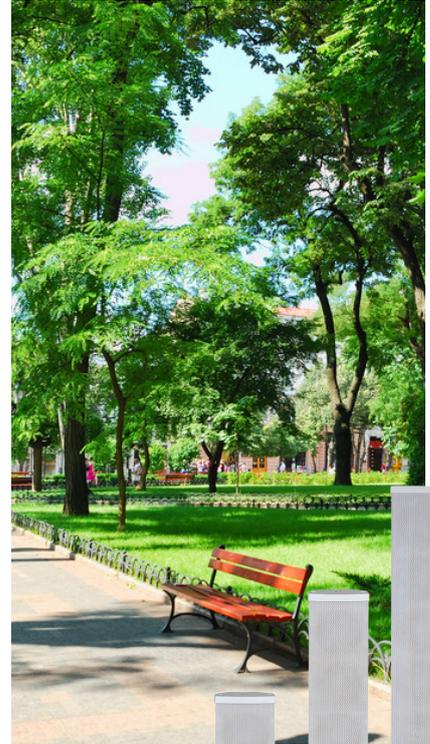

COLUMN SPEAKER



Column Speaker



Inter-M column speakers provide a clean and dedicated design with rich sound quality and are used for indoor/outdoor announcement and BGM. A variety of lineups can be easily adopted in any type of user environment depending on power and size. And Inter-M get the certification of KS that can be guarantee the quantity and durability for the first time in Korean market.



Korean Industrial Standards speaker (KS certification)



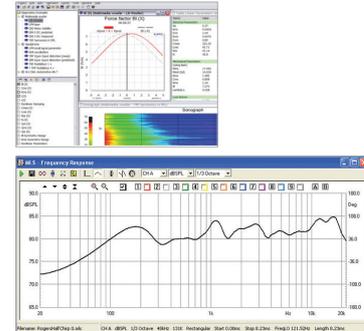
Inter-M is the first company among the speaker system manufacturers in domestic market to get the KS certification. This certification is applied to the factory of the speaker system manufacturer so whole speaker line which is produced in Inter-M is included in the range of KS certification.

Also, the column speaker of Inter-M passed the AES, CEA which is common use for domestic and international.



Thorough quality control

The products passing a variety test including a 100 hours full power noise, high temperature, low temperature, humidity are assigned with 'PASS' to provide a stable and equal quality in the market. The relevant test is proceeded through the automated equipment and support the exact verification about the products.



Outdoor speaker of waterproof and moisture proofing

The column speaker of Inter-M for outdoor is designed for producing of optimal performance even in poor circumstance. And this speaker can be performed over IP34 level so it can be prevent the break-down and change of speaker even if the speaker is used for long time.

In case of CU-600M series, in-closure is made by Aluminum and composed of the waterproof units so it produces rich quantity sound at the shore area and location where the product can be corroded.



The combination of speaker and amplifier



20W×15



600W

In the past PA system, same speaker was installed for emergency and announcement so the output range of amplifier was installed according to the output range of speaker. However, present PA system was utilized for not only broadcasting but also for BGM. Therefore, the higher output of amplifier and speakers are needed for clear announcement and more dedicated music sound. The output of amplifier should be installed twice bigger than output of speaker for high quality and clear sound.

A New design of column speaker, is for indoor speaker, and it matches with interior very well. Also, the first column speaker that has the KS certification can be guaranteed high reliability and function and it provide a rich quality sound so it fit to multiple usage building such as department store.



FEATURES

- Full-range driver
- Using of high quality matching transformer
 - * Wire type
 - * Rotary switch type(Europe and US only)
- Light gray color for matching with interior
- User based design for fast installation
- Direction adjustable with bracket

SPECIFICATION

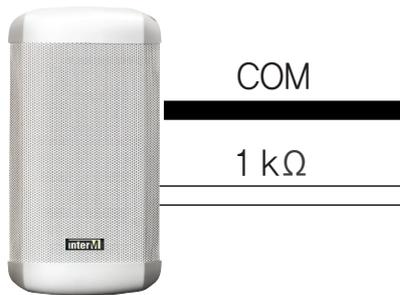
Model		CU-410F	CU-420F	CU-430F	CU-440F
Type		Single 4" Full-range Column Speaker	Dual 4" Full-range Column Speaker	Triple 4" Full-range Column Speaker	Quad 4" Full-range Column Speaker
Driver		4"	4"	4"	4"
Power Handling (AES)		10W	20W	30W	40W
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Power Selection		By Wiring	By Wiring	By Wiring	By Wiring
Frequency Range(-10dB)		140Hz ~ 15.6kHz	140Hz ~ 15.6kHz	140Hz ~ 13.7kHz	135Hz ~ 13.7kHz
Frequency Range(-20%)		115Hz ~ 20kHz	110Hz ~ 20kHz	110Hz ~ 15.4kHz	100Hz ~ 17.7kHz
Sensitivity (1W/1m, 1kHz)		87dB	91dB	92dB	92dB
Maximum SPL[Cont]		97dB	104dB	107dB	108dB
Nominal Dispersion(H)	1kHz	196° x 135°	200° x 99°	197° x 65°	195° x 52°
	4kHz	123° x 116°	110° x 24°	107° x 16°	112° x 15°
Input Connector		"Bi-Wired INPUT Line Direct Connection"			
Enclosure Material		AL Body/ABS top, bottom Cover			
Enclosure Color		Light Gray	Light Gray	Light Gray	Light Gray
Grill Material		Metal Grill	Metal Grill	Metal Grill	Metal Grill
Grill Color		Light Gray	Light Gray	Light Gray	Light Gray
Weight (Net)		1.97kg	3.13kg	3.9kg	4.76kg
Dimensions (Net, WxHxD, mm)		156 x 300 x 129	156 x 400 x 129	156 x 500 x 129	156 x 600 x 129
Weather Resistant		-	-	-	-
Flame Resistant		○	○	○	○
Certification		KS	KS	KS	KS
Included Accessories		Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket

CU-410F/420F/430F/440F

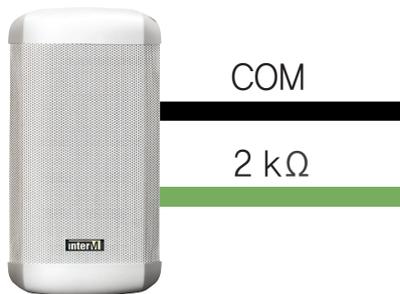
Column
Speaker

THE EXAMPLE OF SPEAKER CONNECTION

[Wire type]



10 W



5 W

[Rotary switch type]



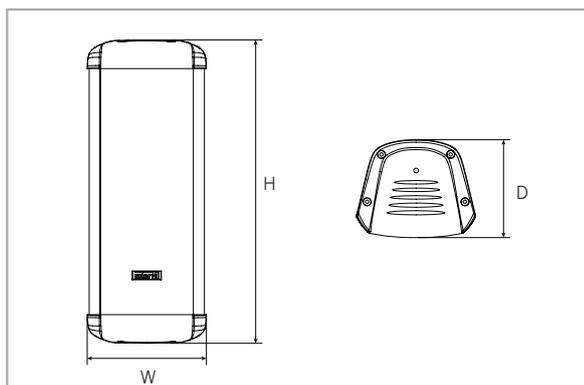
CU-420F



CU-440F

DIMENSION

DIMENSION

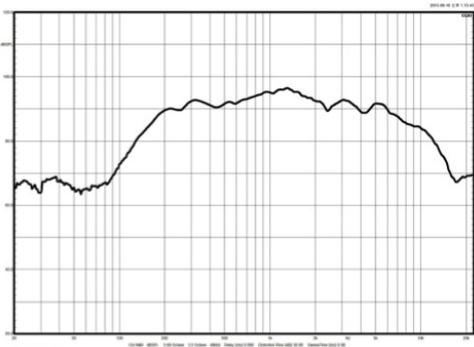


Model	W(Width) mm	H(Length) mm	D(Depth) mm
CU-410F	156	300	129
CU-420F		400	
CU-430F		500	
CU-440F		600	

TECHNICAL DATA

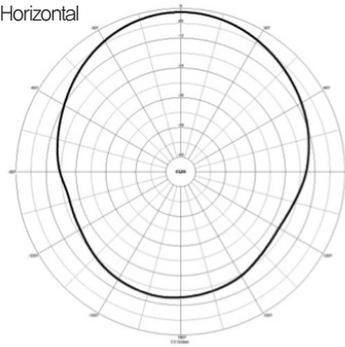
FREQUENCY RANGE

• CU-410F

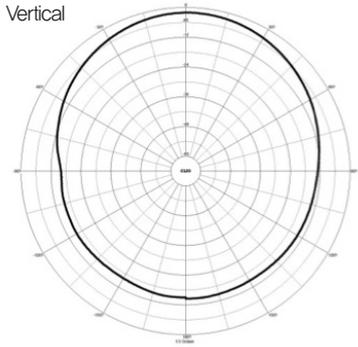


POLAR PATTERN (1kHz)

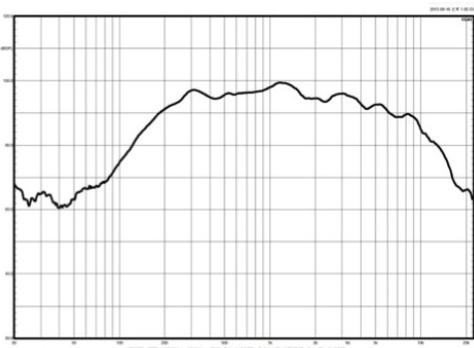
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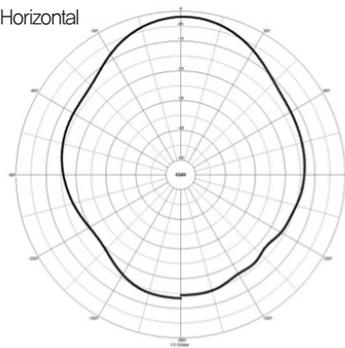
Vertical



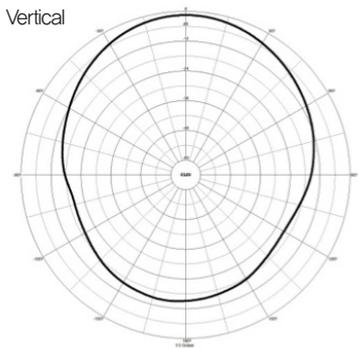
• CU-420F



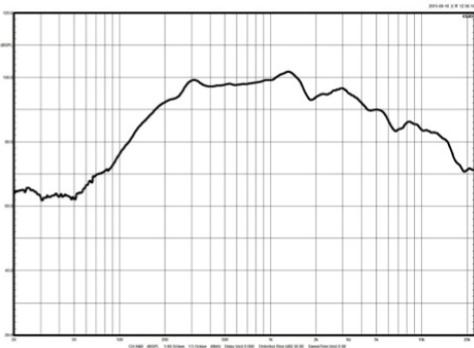
Horizontal



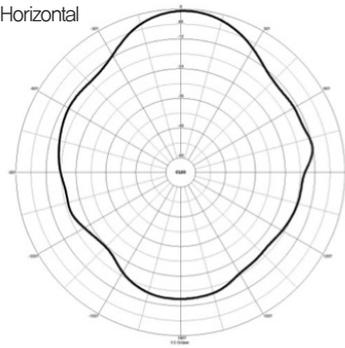
Vertical



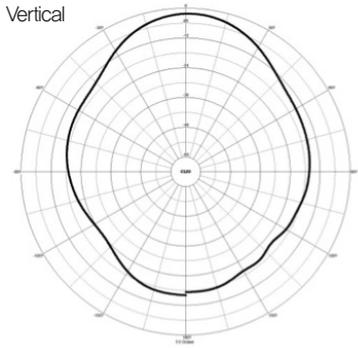
• CU-430F



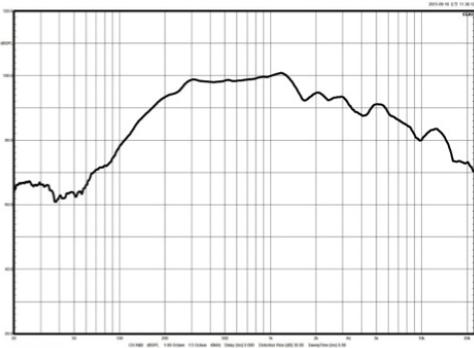
Horizontal



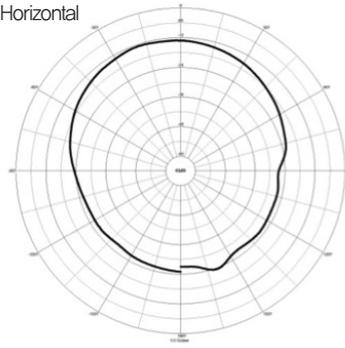
Vertical



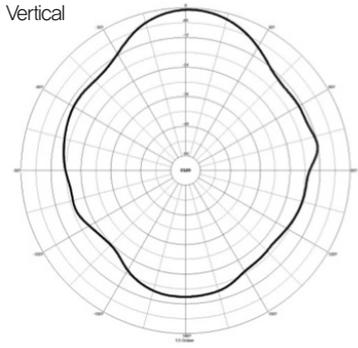
• CU-440F



Horizontal



Vertical



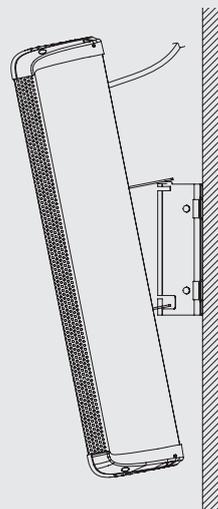
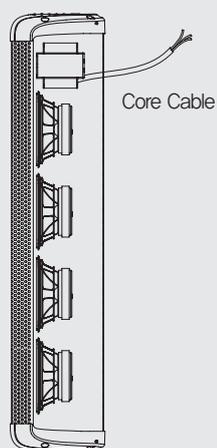
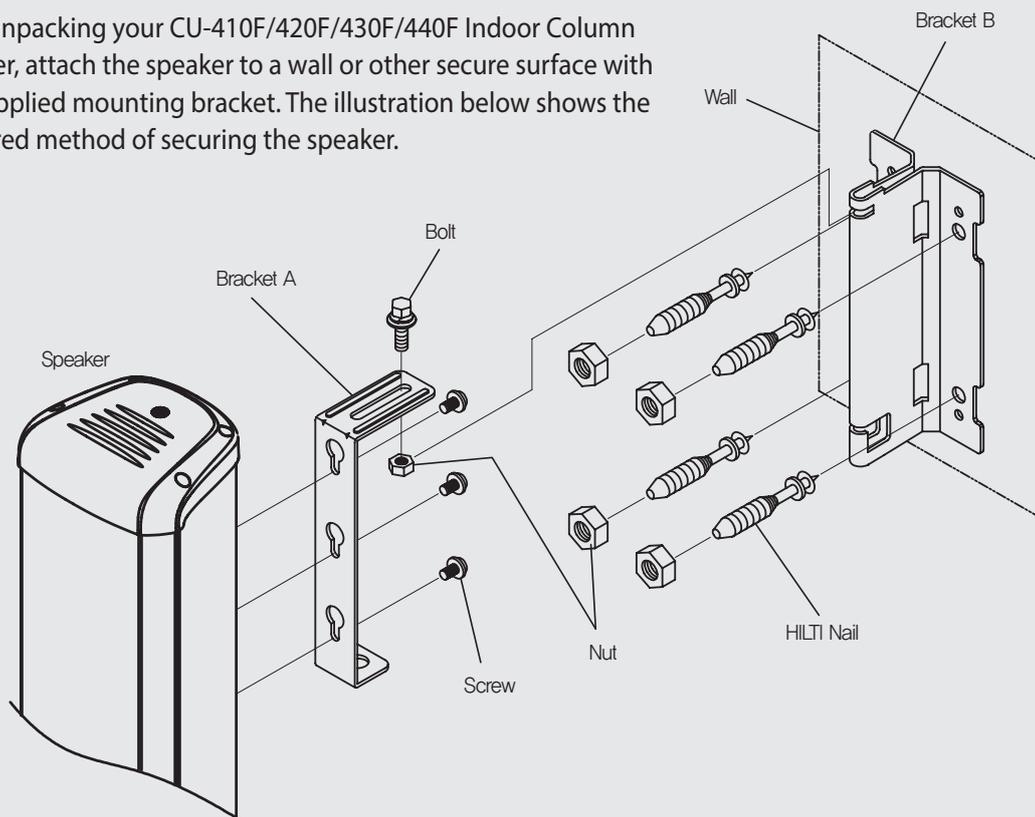
CU-410F/420F/430F/440F

Column
Speaker

TECHNICAL DATA

SPEAKER INSTALLATION GUIDE

After unpacking your CU-410F/420F/430F/440F Indoor Column Speaker, attach the speaker to a wall or other secure surface with the supplied mounting bracket. The illustration below shows the preferred method of securing the speaker.



This series are column speakers for outdoor with dedicated design and these models ensure weatherproof and dampproof for working in the harsh outdoor environments. Therefore, they are good for the outdoor place such as amusement park, park and parking lot.



FEATURES

- Full-range driver
- Using of high quality matching transformer
 - * Wire type
 - * Rotary switch type(Europe and US only)
- Strong steel grill on front for preventing of influence from outside
- User based design for fast installation
- Angle adjustment by mounting bracket

SPECIFICATION

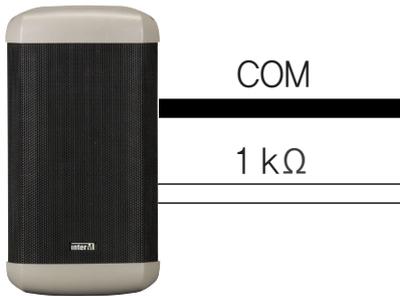
Model	CU-410FO	CU-420FO	CU-430FO	CU-440FO
Type	Single 4" Full-range Column Speaker	Dual 4" Full-range Column Speaker	Triple 4" Full-range Column Speaker	Quad 4" Full-range Column Speaker
Driver	4"	4"	4"	4"
Power Handling (AES)	10W	20W	30W	40W
Input Power	100V 10/5W	20/10W	30/15W	40/20W
Impedance	100V 1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Power Selection	By Wiring	By Wiring	By Wiring	By Wiring
Frequency Range(-10dB)	135Hz ~ 13.7kHz	150Hz ~ 16.9kHz	135Hz ~ 15kHz	130Hz ~ 8.8kHz
Frequency Range(-20%)	110Hz ~ 18.4kHz	120Hz ~ 20kHz	100Hz ~ 16.9kHz	100Hz ~ 16kHz
Sensitivity (1W/1m, 1kHz)	86dB	89dB	90dB	91dB
Maximum SPL[Cont]	96dB	102dB	105dB	107dB
Nominal Dispersion(H)	1kHz 192° x 136°	203° x 99°	199° x 64°	195° x 55°
	4kHz 104° x 100°	95° x 25°	94° x 15°	95° x 15°
Input Connector	"Bi-Wired INPUT Line Direct Connection"			
Enclosure Material	AL Body/ABS top, bottom Cover			
Enclosure Color	Light Brown	Light Brown	Light Brown	Light Brown
Grill Material	Metal Grille	Metal Grille	Metal Grille	Metal Grille
Grill Color	BLACK	BLACK	BLACK	BLACK
Weight (Net)	1.97kg	3.13kg	3.9kg	4.76kg
Dimensions (Net, WxHxD, mm)	156 x 300 x 129	156 x 400 x 129	156 x 500 x 129	156 x 600 x 129
Weather Resistant	IP34	IP34	IP34	IP34
Flame Resistant	○	○	○	○
Certification	KS	KS	KS	KS
Included Accessories	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket

CU-410FO/420FO/430FO/440FO

Column
Speaker

THE EXAMPLE OF SPEAKER CONNECTION

[Wire type]



10 W



5 W

[Rotary switch type]



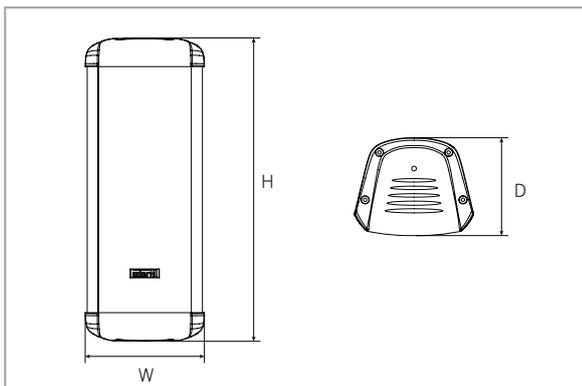
CU-420FO



CU-440FO

DIMENSION

DIMENSION

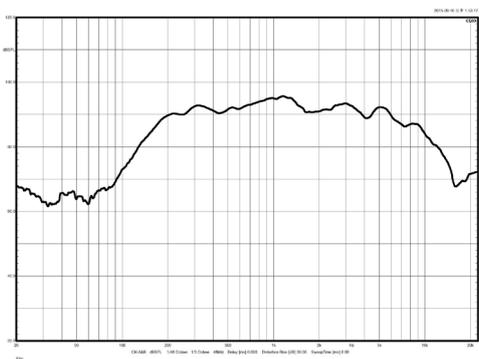


Model	W(Width) mm	H(Length) mm	D(Depth) mm
CU-410FO	156	300	129
CU-420FO		400	
CU-430FO		500	
CU-440FO		600	

TECHNICAL DATA

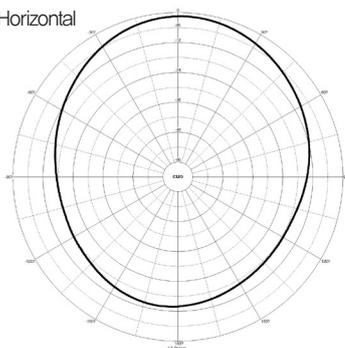
FREQUENCY RANGE

• CU-410FO

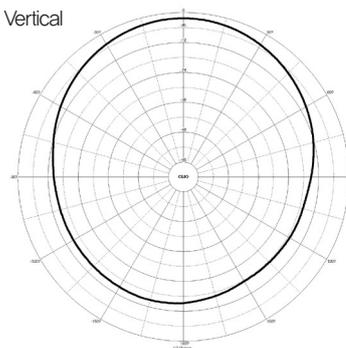


POLAR PATTERN (1kHz)

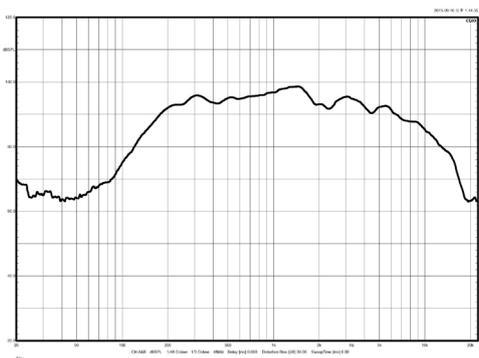
Horizontal



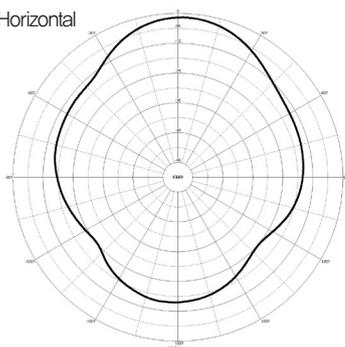
Vertical



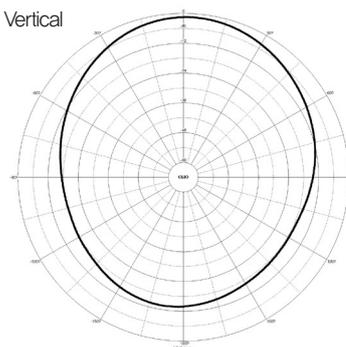
• CU-420FO



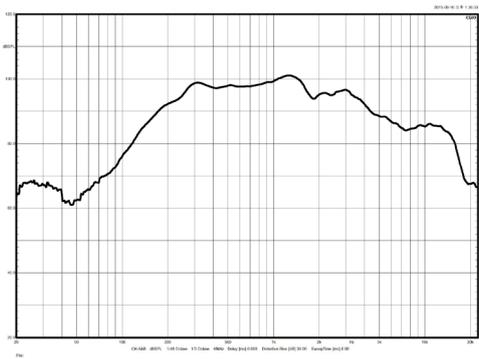
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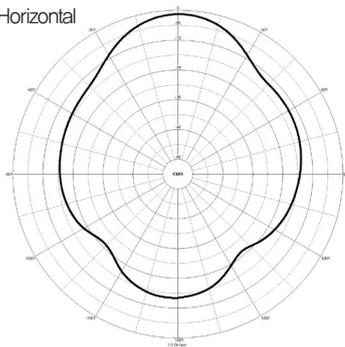
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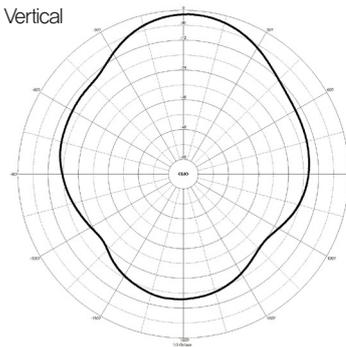
• CU-430FO



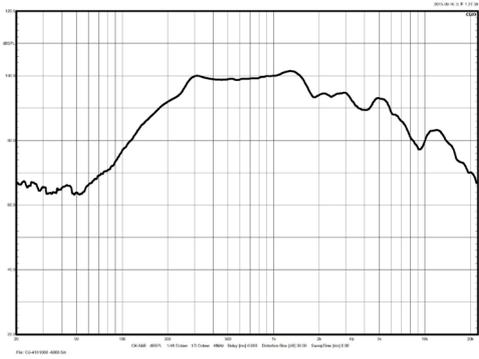
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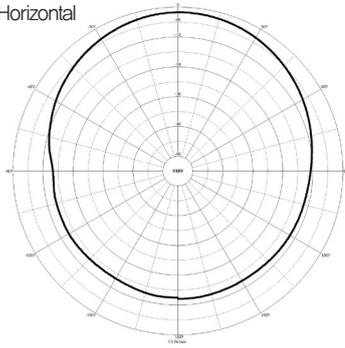
Vertical



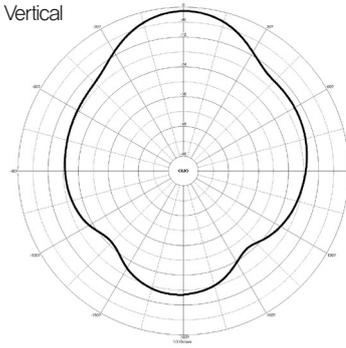
• CU-440FO



Horizontal



Vertical



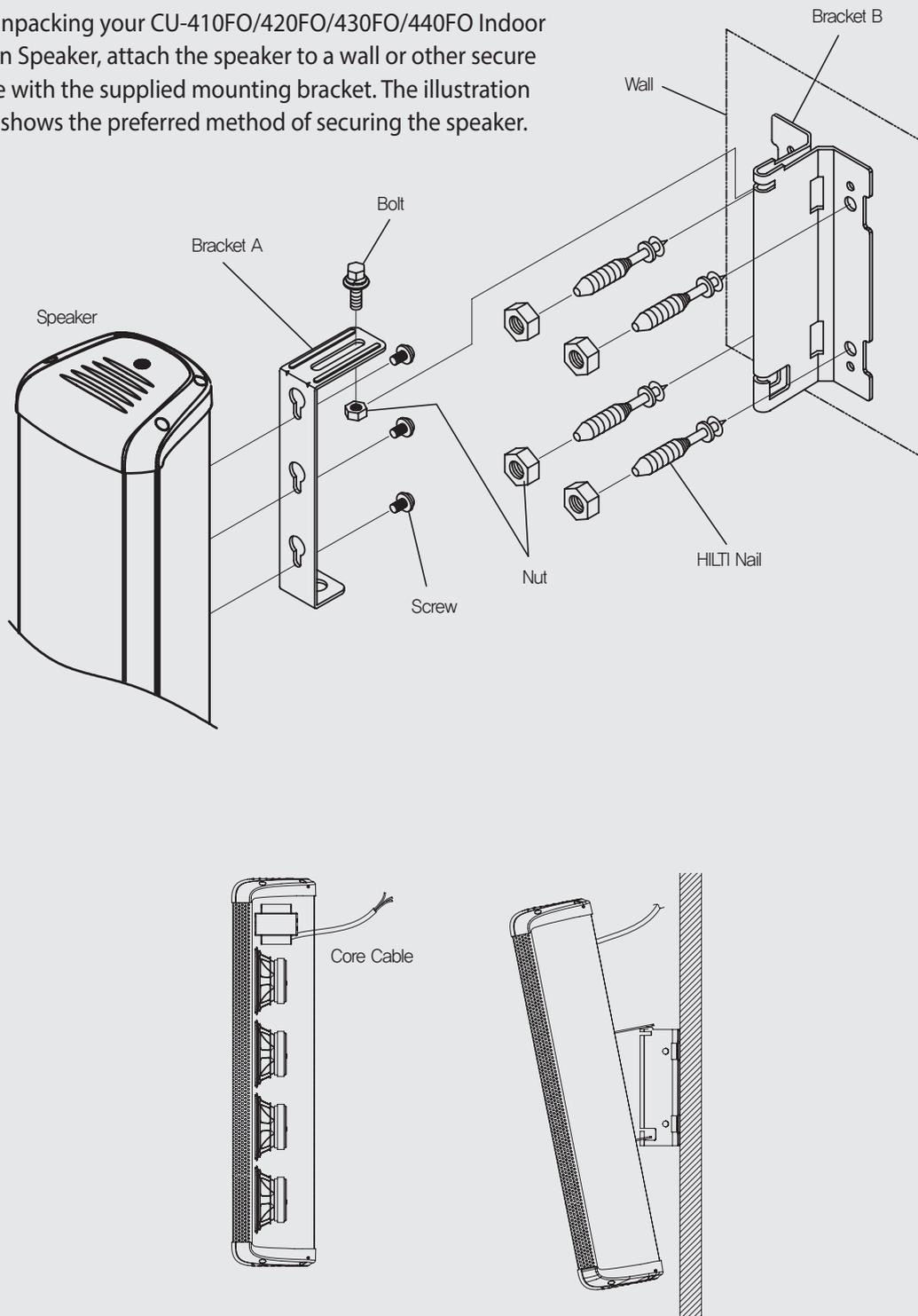
CU-410FO/420FO/430FO/440FO

Column
Speaker

TECHNICAL DATA

SETUP AND OPERATION

After unpacking your CU-410FO/420FO/430FO/440FO Indoor Column Speaker, attach the speaker to a wall or other secure surface with the supplied mounting bracket. The illustration below shows the preferred method of securing the speaker.



The speaker of 2Way methods and provide rich quality sound for Indoor. The column speakers with light gray color and having narrow width (104 mm) are fit for the places where are small areas and need to minimize the exposure.



FEATURES

- 2Way driver
- Top quality matching transformer is used
- Detail and rich sound quality
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Weatherproof, dampproof materials ensure this speaker suitable for working in the harsh outdoor environments
- Speaker Terminal added for easy installing and convenience

SPECIFICATION

Model		CU-610M	CU-620M	CU-630M	CU-640M
Type		Single 3" 2Way Column Speaker	Dual 3" 2Way Column Speaker	Triple 3" 2Way Column Speaker	Quad 3" 2Way Column Speaker
Driver		WF 3"/TW 0.45"	WF 3"/TW 0.45"	WF 3"/TW 0.45"	WF 3"/TW 0.45"
Power Handling (AES)		10W	20W	30W	40W
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Power Selection		By Terminal	By Terminal	By Terminal	By Terminal
Frequency Range(-10dB)		160Hz ~ 20kHz	160Hz ~ 20kHz	147Hz ~ 20kHz	
Frequency Range(-20%)		140Hz ~ 20kHz	140Hz ~ 20kHz	126Hz ~ 20kHz	128Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		83dB	83dB	88dB	96dB
Maximum SPL[Cont]		93dB	96dB	103dB	115dB
Nominal Dispersion(H)	1kHz	213° x 130°	211° x 75°	213° x 72°	60° x 240°
	4kHz	298° x 216°	85° x 19°	104° x 87°	20° x 110°
Input Connector		3P Euroblock			
Enclosure Material		AL Body/ABS top, bottom Cover			
Enclosure Color		Light Gray	Light Gray	Light Gray	Light Gray
Grill Material		Metal Grille	Metal Grille	Metal Grille	Metal Grille
Grill Color		Light Gray	Light Gray	Light Gray	Light Gray
Weight (Net)		1.36kg	2.16kg	2.68kg	3.16kg
Dimensions (Net, WxHxD, mm)		104 x 290 x 86	104 x 400 x 86	104 x 490 x 86	105 x 580 x 86
Weather Resistant		-	-	-	-
Flame Resistant		-	-	-	-
Certification		-	-	-	-
Included Accessories		Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket

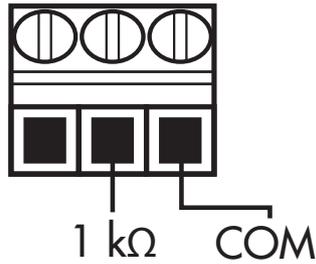
CU-610M/620M/630M/640M

Column
Speaker

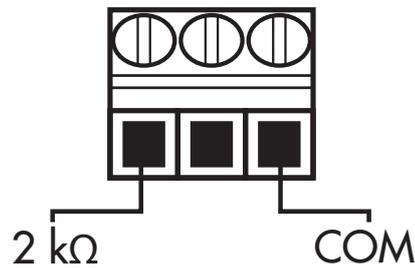
THE EXAMPLE OF SPEAKER CONNECTION



10 W

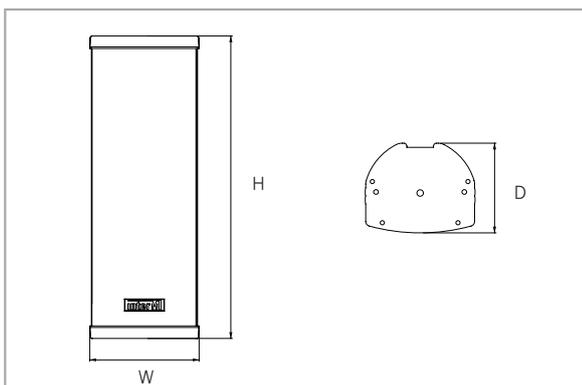


5 W



DIMENSION

DIMENSION

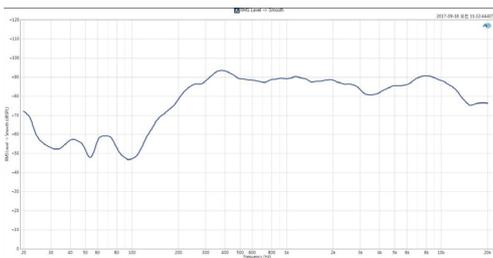


Model	W(Width) mm	H(Length) mm	D(Depth) mm
CU-610M	104	290	86
CU-620M		400	
CU-630M		490	
CU-640M		580	

TECHNICAL DATA

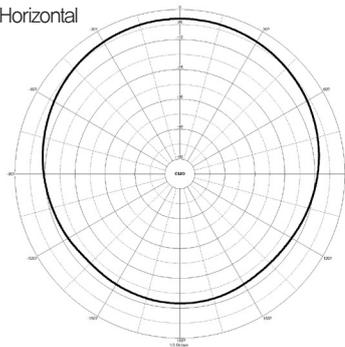
FREQUENCY RANGE

• CU-610M

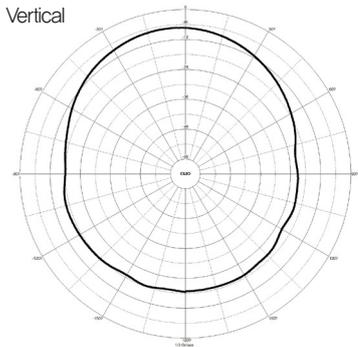


POLAR PATTERN (1kHz)

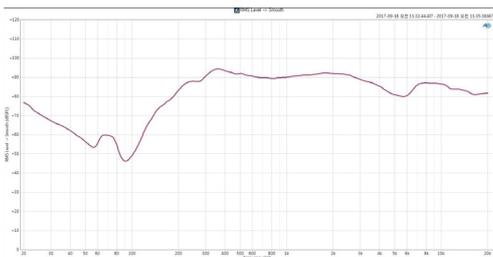
Horizontal



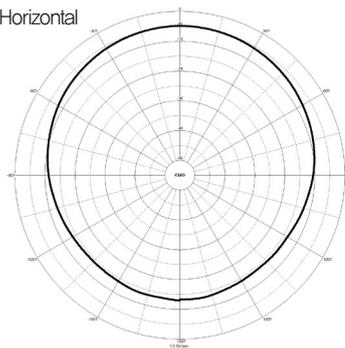
Vertical



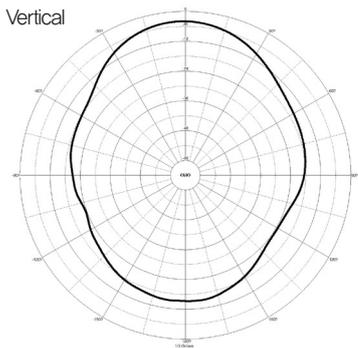
• CU-620M



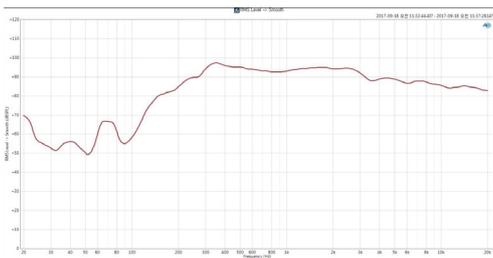
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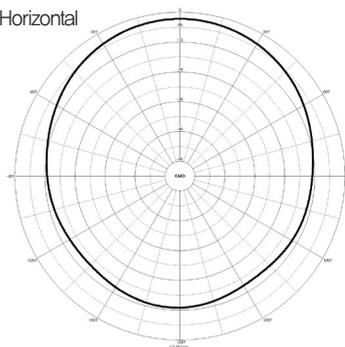
Vertical



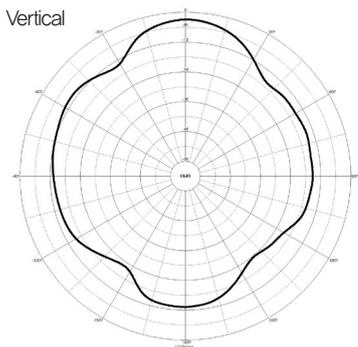
• CU-630M



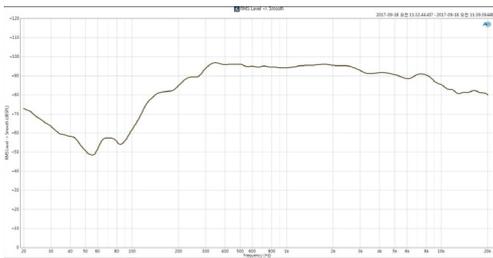
Horizontal



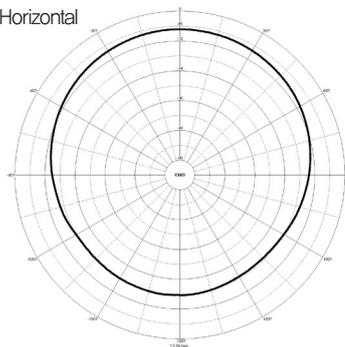
Vertical



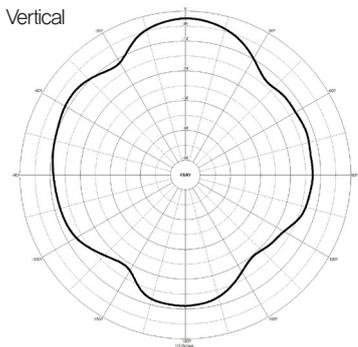
• CU-640M



Horizontal



Vertical



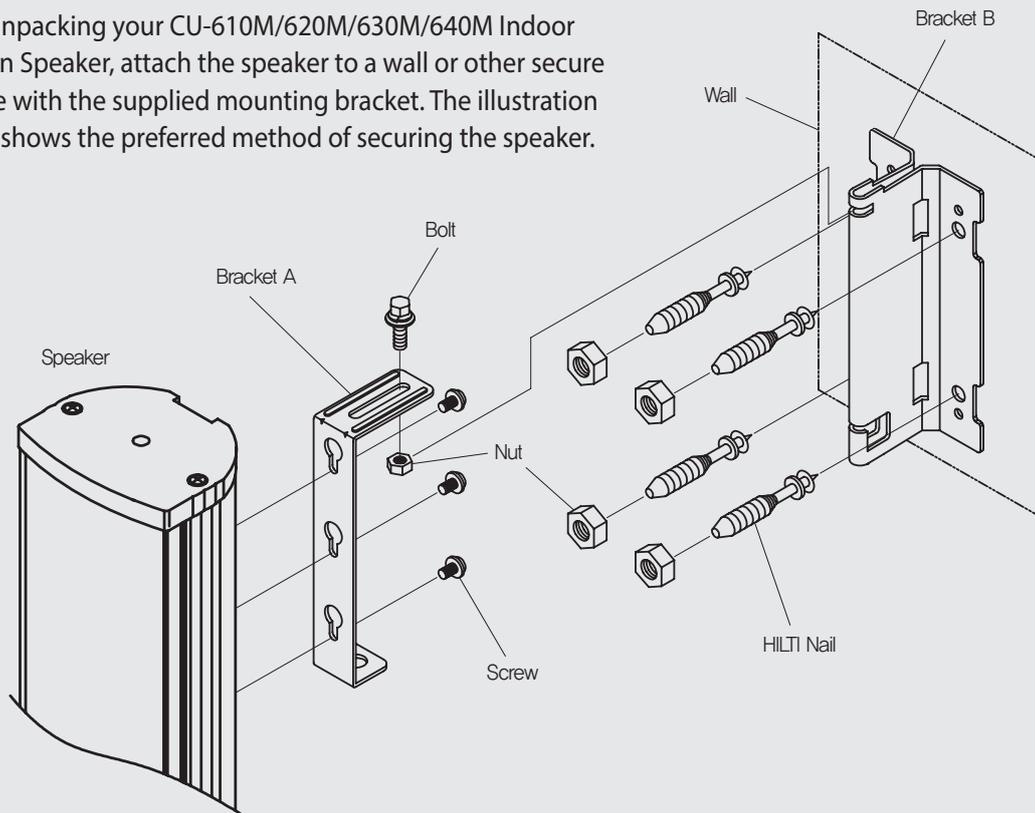
CU-610M/620M/630M/640M

Column
Speaker

TECHNICAL DATA

SPEAKER INSTALLATION GUIDE

After unpacking your CU-610M/620M/630M/640M Indoor Column Speaker, attach the speaker to a wall or other secure surface with the supplied mounting bracket. The illustration below shows the preferred method of securing the speaker.



The speaker of 2Way methods and provide rich quality sound for Indoor. The column speakers with light gray color and having narrow width (104 mm) are fit for the places where are small areas and need to minimize the exposure.



FEATURES

- 2Way driver
- Top quality matching transformer is used
- Detail and rich sound quality
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Weatherproof, dampproof materials ensure this speaker suitable for working in the harsh outdoor environments
- Speaker terminal added for easy installing and convenience

SPECIFICATION

Model	CU-610MV	CU-620MV	CU-630MV	CU-640MV	
Type	Single 3" 2Way Column Speaker	Dual 3" 2Way Column Speaker	Triple 3" 2Way Column Speaker	Quad 3" 2Way Column Speaker	
Driver	WF 3"/Horn TW 0.45"	WF 3"/Horn TW 0.45"	WF 3"/Horn TW 0.45"	WF 3"/Horn TW 0.45"	
Power Handling (AES)	10W	20W	30W	40W	
Input Power	100V 10/5W	20/10W	30/15W	40/20W	
Impedance	100V 1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω	
Power Selection	By Terminal	By Terminal	By Terminal	By Terminal	
Frequency Range(-10dB)	-	-	-	-	
Frequency Range(-20%)	220Hz ~ 18kHz	120Hz ~ 20kHz	220Hz ~ 18kHz	220Hz ~ 18kHz	
Sensitivity (1W/1m, 1kHz)	88dB	103dB / 100dB	91dB	91dB	
Maximum SPL[Cont]	98dB	103dB	106dB	107dB	
Nominal Dispersion(H)	1kHz 4kHz	187° x 90° 160° x 182°	246° x 93° 120° x 15.6°	234° x 130° 108° x 60°	240° x 60° 120° x 20°
Input Connector	3P Euroblock				
Enclosure Material	AL Body/ABS top, bottom Cover				
Enclosure Color	Light Gray	Light Gray	Light Gray	Light Gray	
Grill Material	Metal Grille	Metal Grille	Metal Grille	Metal Grille	
Grill Color	Light Gray	Light Gray	Light Gray	Light Gray	
Weight (Net)	1.45kg	2.35kg	2.85kg	3.35kg	
Dimensions (Net, WxHxD, mm)	104 x 290 x 86	104 x 400 x 86	105 x 490 x 86	105 x 580 x 86	
Weather Resistant	-	-	-	-	
Flame Resistant	-	-	-	-	
Certification	-	-	-	-	
Included Accessories	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket	

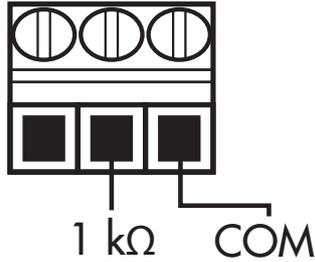
CU-610MV/620MV/630MV/640MV

Column
Speaker

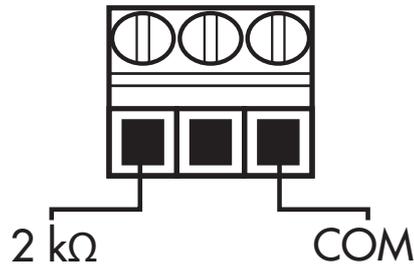
THE EXAMPLE OF SPEAKER CONNECTION



10 W

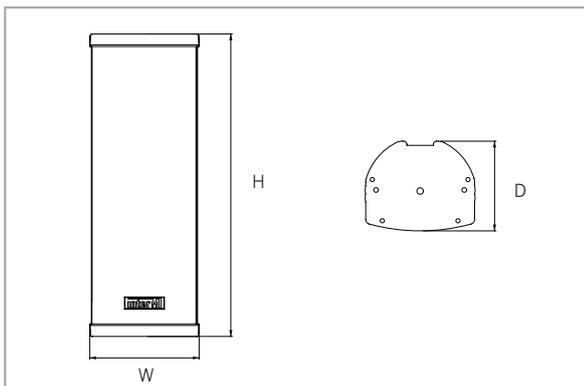


5 W



DIMENSION

DIMENSION

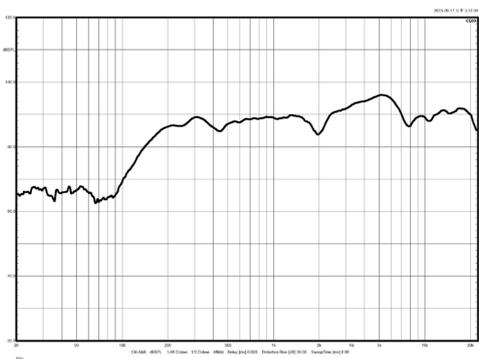


Model	W(Width) mm	H(Length) mm	D(Depth) mm
CU-610MV	104	290	86
CU-620MV		400	
CU-630MV		490	
CU-640MV		580	

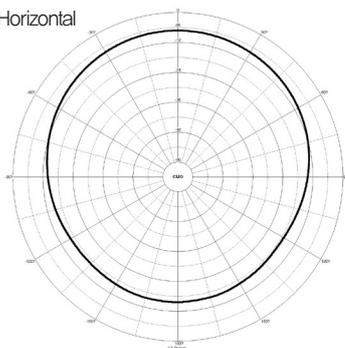
TECHNICAL DATA

FREQUENCY RANGE

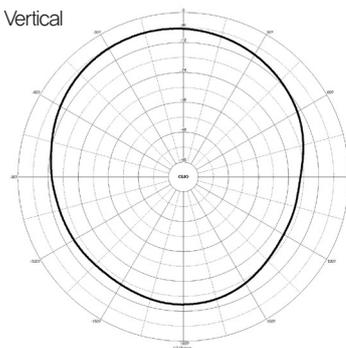
• CU-610MV



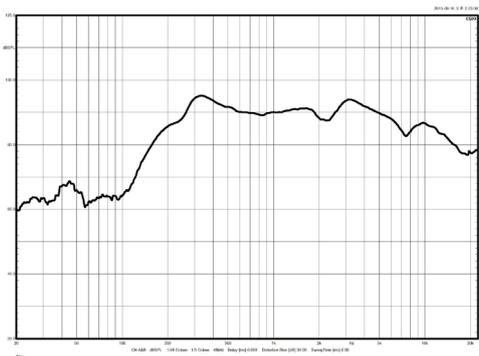
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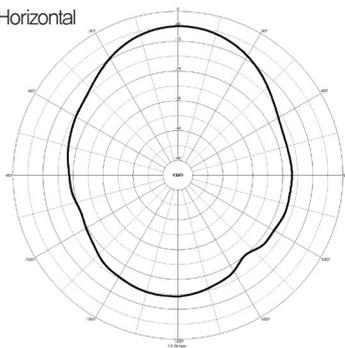
Vertical



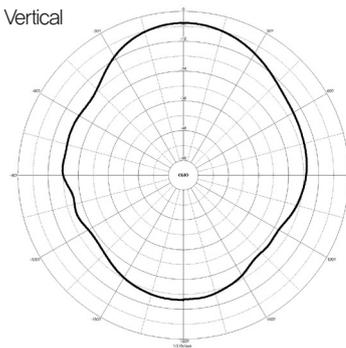
• CU-620MV



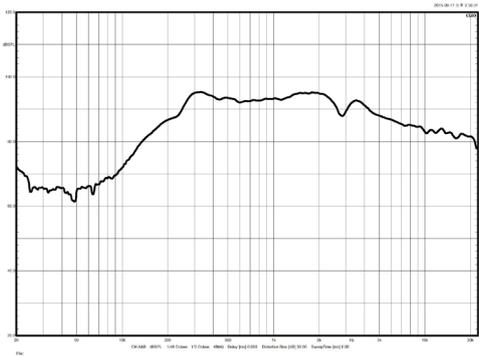
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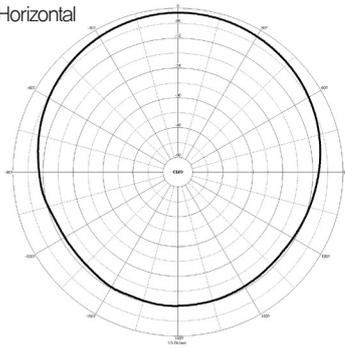
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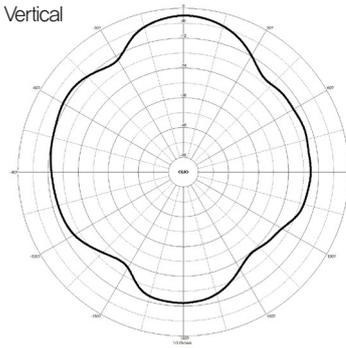
• CU-630MV



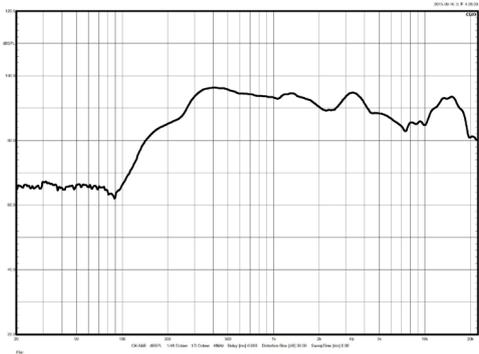
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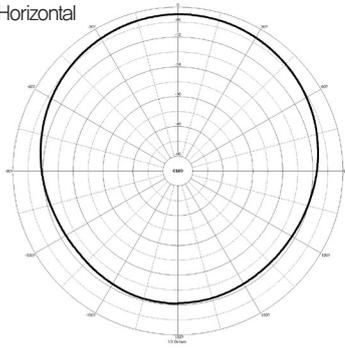
Vertical



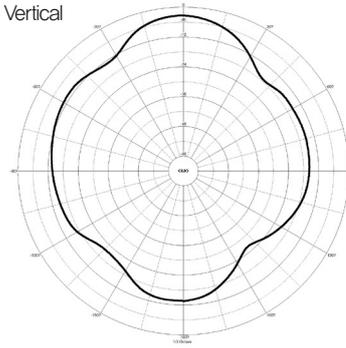
• CU-640MV



Horizontal



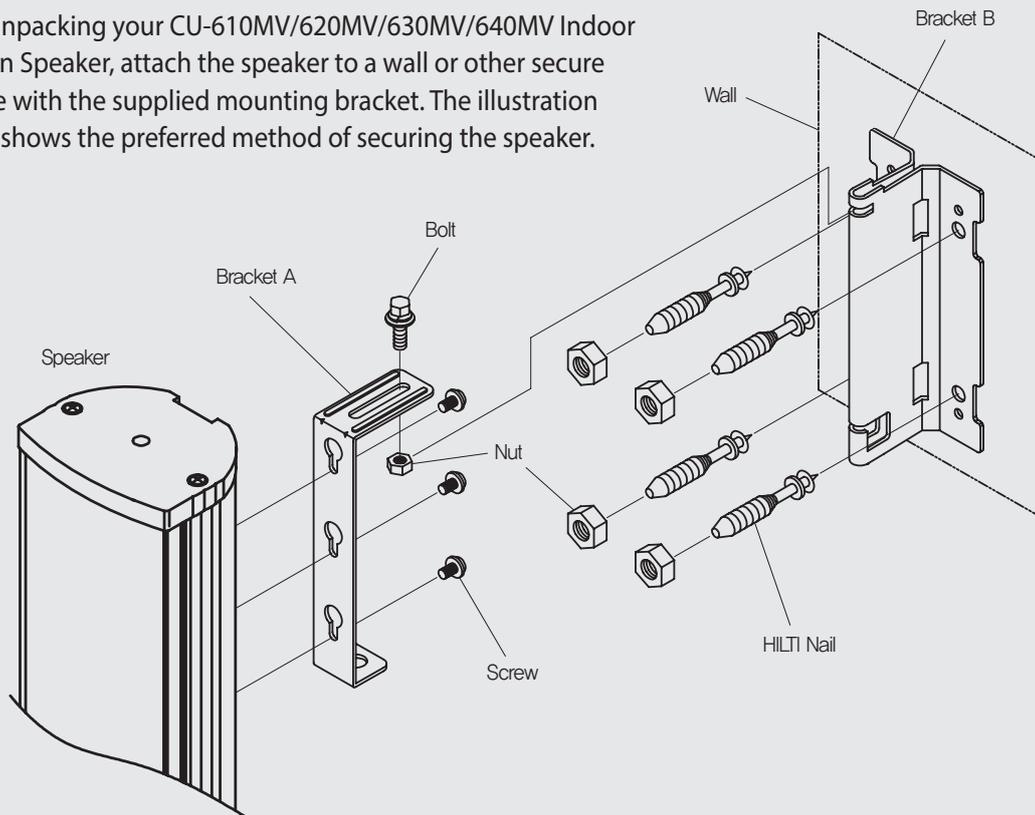
Vertical



TECHNICAL DATA

SPEAKER INSTALLATION GUIDE

After unpacking your CU-610MV/620MV/630MV/640MV Indoor Column Speaker, attach the speaker to a wall or other secure surface with the supplied mounting bracket. The illustration below shows the preferred method of securing the speaker.



Outdoor column speaker. These models are combined with the high quality durability for outdoor. can send sound far way by using the horn tweeter.



FEATURES

- 2Way driver for outdoor
- High quality matching transformer is used
- Top quality durable units are applied for high sound pressure level and excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Speaker Terminal added for easy installing and convenience

SPECIFICATION

Model		CU-610MO	CU-620MO	CU-630MOV	CU-640MOV
Type		Dual 3" 2Way Column Speaker	Quad 3" 2Way Column Speaker	Dual 3" 2Way Column Speaker	Quad 3" 2Way Column Speaker
Driver		WF 3"/TW 0.45"	WF 3"/TW 0.45"	WF 3"/Horn TW 0.45"	WF 3"/Horn TW 0.45"
Power Handling (AES)		20W	40W	20W	40W
Input Power	100V	20/10W	40/20W	20/10W	40/20W
Impedance	100V	500/1kΩ	250/500Ω	500/1kΩ	250/500Ω
Power Selection		By Terminal	By Terminal	By Terminal	By Terminal
Frequency Range(-10dB)		-	145Hz~16.5kHz	-	-
Frequency Range(-20%)		180Hz ~ 15kHz	124Hz ~ 20kHz	180Hz ~ 18kHz	138Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		86dB	87dB	87dB	95dB
Maximum SPL[Cont]		99dB	103dB	100dB	111dB
Nominal Dispersion(H)	1kHz	260° x 108°	201°x50°	360° x 82.6°	360° x 60°
	4kHz	80° x 17°	83°x12	134° x 32.3°	144° x 22°
Input Connector		3P Euroblock			
Enclosure Material		AL Body/ABS top, bottom Cover			
Enclosure Color		Light Gray	Light Gray	Light Gray	Light Gray
Grill Material		Metal Grille	Metal Grille	Metal Grille	Metal Grille
Grill Color		Light Gray	Light Gray	Light Gray	Light Gray
Weight (Net)		2.35kg	3.18kg	2.35kg	3.18kg
Dimensions (Net, WxHxD, mm)		104 x 400 x 86	104 x 580 x 86	104 x 400 x 86	105 x 580 x 86
Weather Resistant		IP34	IP34	IP34	IP34
Flame Resistant					
Certification		-	-	-	-
Included Accessories		Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket

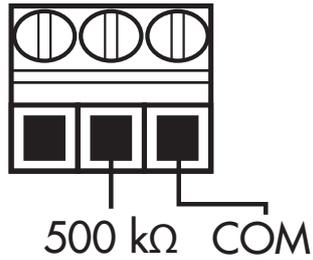
CU-620MO/640MO/620MOV/640MOV

Column
Speaker

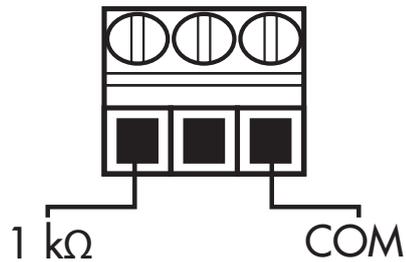
THE EXAMPLE OF SPEAKER CONNECTION



20 W

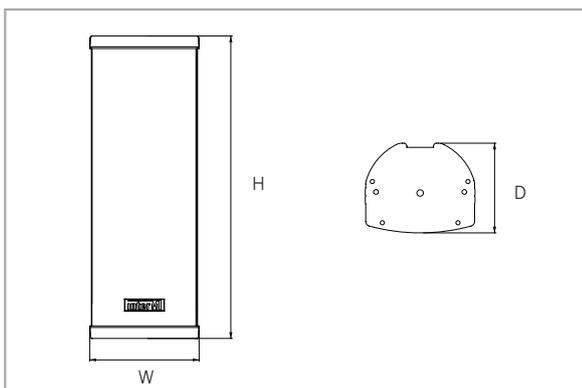


10 W



DIMENSION

DIMENSION

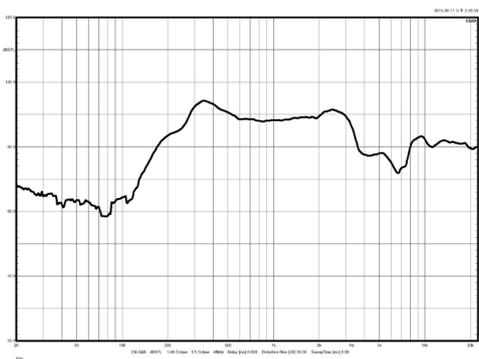


Model	W(Width) mm	H(Length) mm	D(Depth) mm
CU-620MO	104	400	86
CU-640MO		580	
CU-620MOV		400	
CU-640MOV		580	

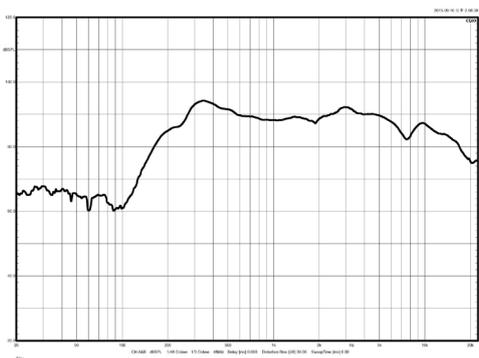
TECHNICAL DATA

FREQUENCY RANGE

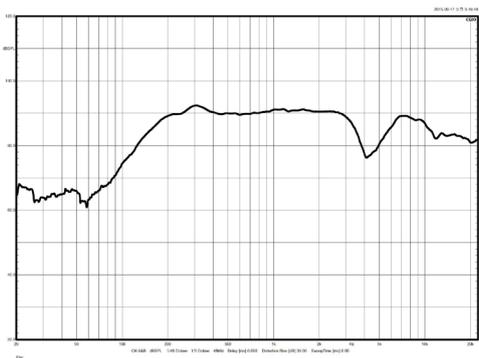
• CU-620MO



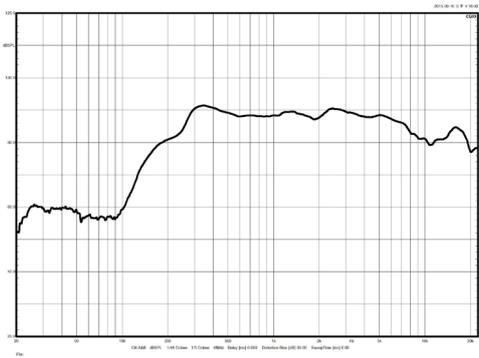
• CU-620MOV



• CU-640MO

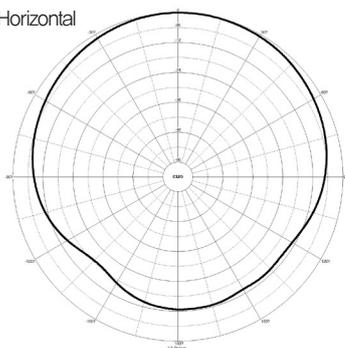


• CU-640MOV

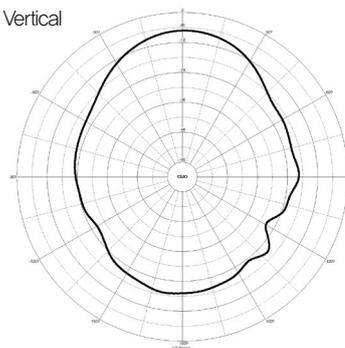


POLAR PATTERN (1kHz)

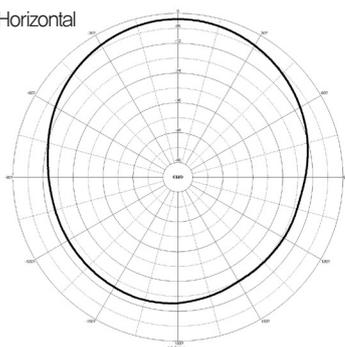
Horizontal



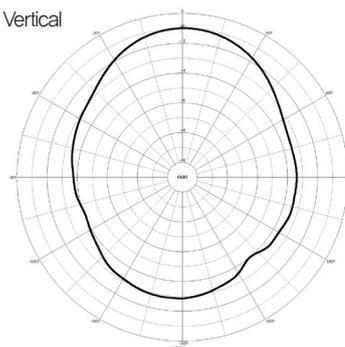
Vertical



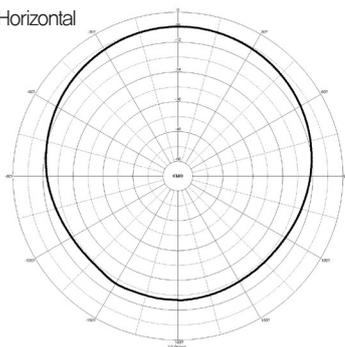
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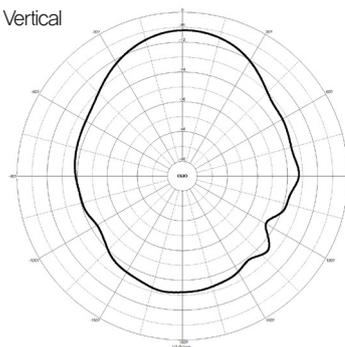
Vertical



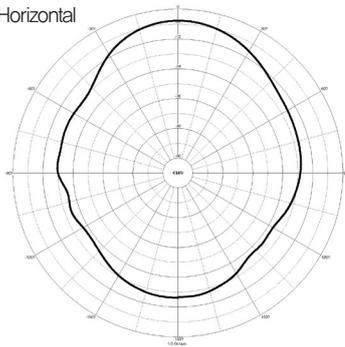
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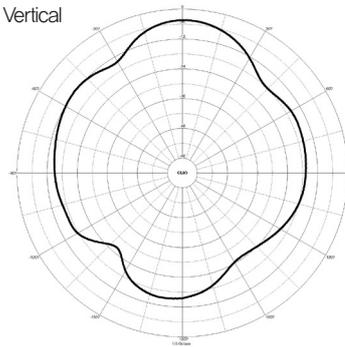
Vertical



Horizontal



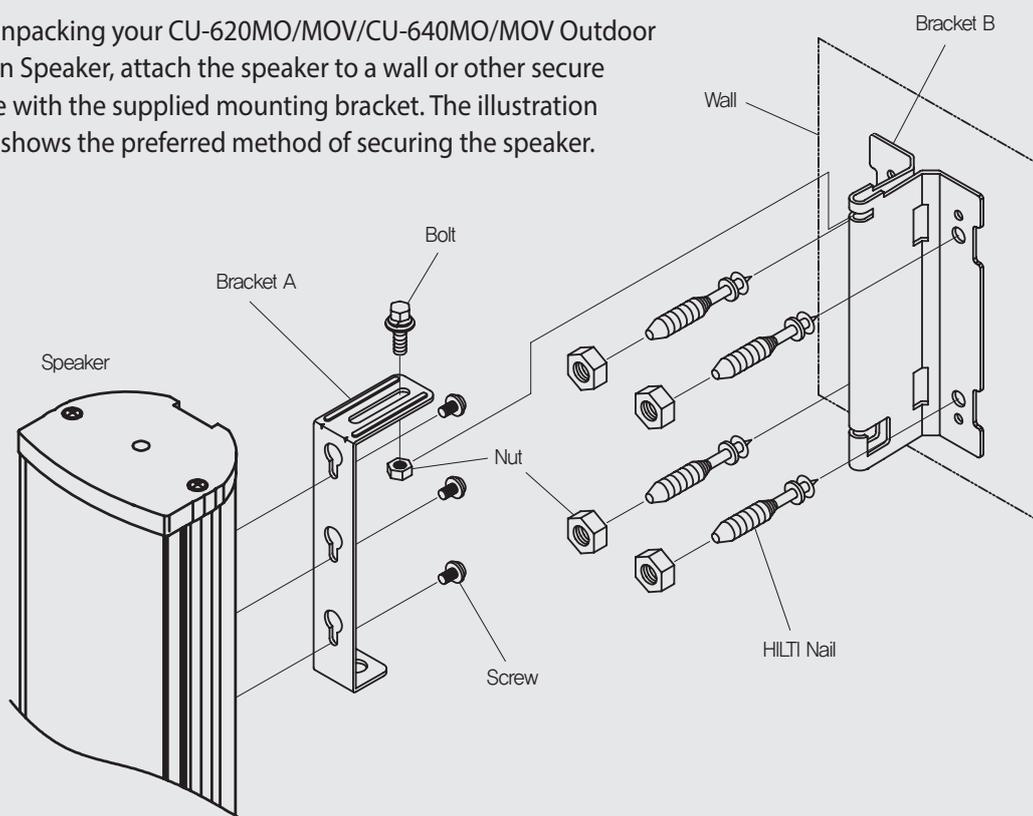
Vertical



TECHNICAL DATA

SPEAKER INSTALLATION GUIDE

After unpacking your CU-620MO/MOV/CU-640MO/MOV Outdoor Column Speaker, attach the speaker to a wall or other secure surface with the supplied mounting bracket. The illustration below shows the preferred method of securing the speaker.





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※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

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