COLUMN SPEAKER

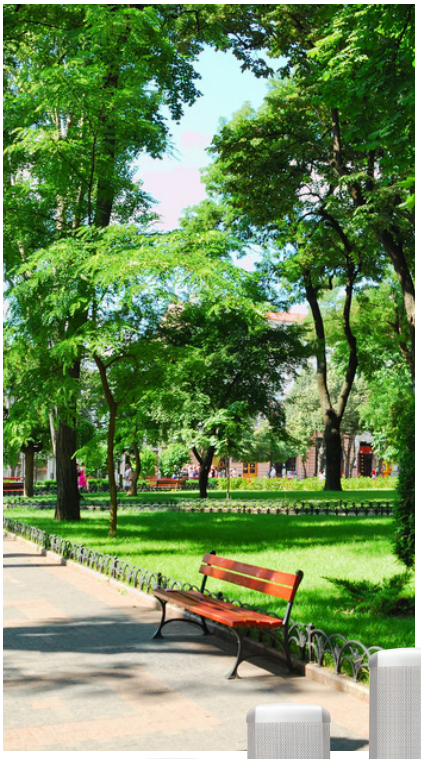




Column Speaker





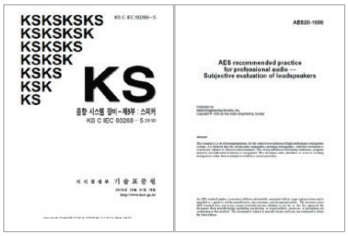




Inter-M column speakers provide a clean and dedicated design with rich sound quality and are used for indoor/outdoor announcement and BGM. A variety of lineups can be easily adopted in any type of user environment depending on power and size. And Inter-M get the certification of KS that can be guarantee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

Korean Industrial Standards speaker (KS certification)

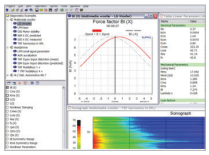
Inter-M is the first company among the speaker system manufactures in domestic market to get the KS certification. This certification is applied to the factory of the speaker system manufacturer so whole speaker line which is produced in Inter-M is included in the range of KS certification.
Also, the column speaker of Inter-M passed the AES, CEA which is common use for domestic and international.

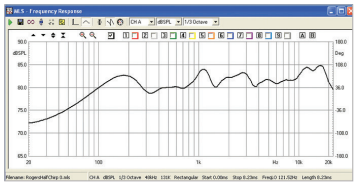


Column Speaker

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.

Column Speaker

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

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

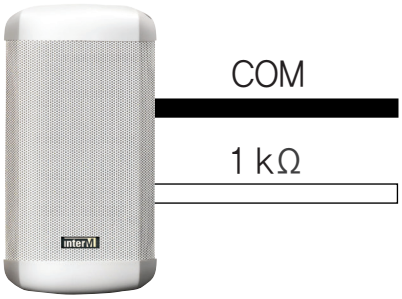
Model		CU-410F	CU-420F	CU-430F	CU-440F
Type		Single 4" Full-range Column Speaker	Dual 4" Full-range Column Speaker	Triple 4" Full-range Column Speaker	Quad 4" Full-range Column Speaker
Driver		4" x 1	4" x 2	4" x 3	4" x 4
Power Handling (IEC)		10W	20W	30W	40W
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Nominal Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Power Selection		By Wiring			
Frequency Range (-20%)		115Hz ~ 20kHz	110Hz ~ 20kHz	110Hz ~ 15.4kHz	100Hz ~ 17.7kHz
Sensitivity (1W/1m)		87dB	91dB	92dB	92dB
Maximum SPL		97dB	104dB	107dB	108dB
Nominal Dispersion (Conical)	1kHz	190˚x130˚	200˚x90˚	190˚ x 60˚	190˚ x 50˚
	4kHz	120˚x110˚	110˚x20˚	100˚ x 10˚	110˚ x 10˚
Input Connection		Bi-Wired			
Enclosure Material		Case : AL, Top/Bottom : Composite PP			
Enclosure Color		Light Gray	Light Gray	Light Gray	Light Gray
Grille Material		EGI Steel	EGI Steel	EGI Steel	EGI Steel
Grille Color		Light Gray	Light Gray	Light Gray	Light Gray
Weight (Net)		2kg	3.1kg	3.9kg	4.8kg
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		O	O	O	O
Certification		KS	KS	KS	KS
Included Accessories		Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket

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

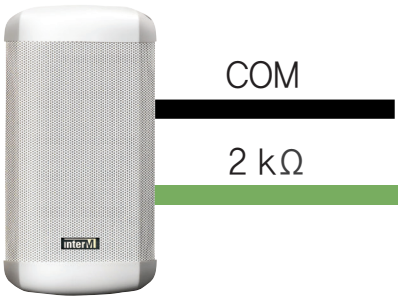
Column Speaker

THE EXAMPLE OF SPEAKER CONNECTION

[Wire type]



10 W



5 W

[Rotary switch type]



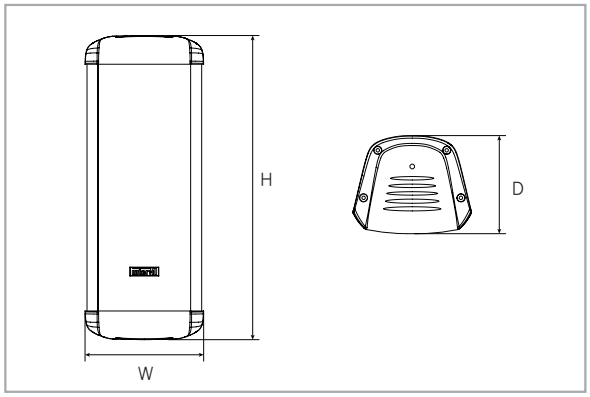
CU-420F



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	

Column Speaker

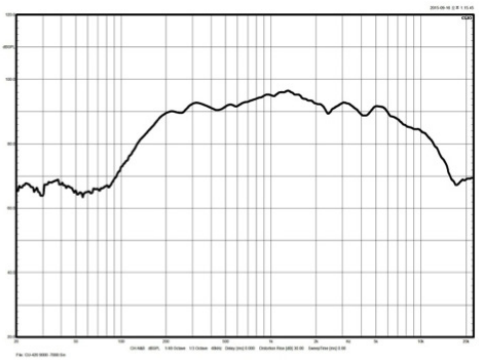
CU-410F/420F/430F/440F

TECHNICAL DATA

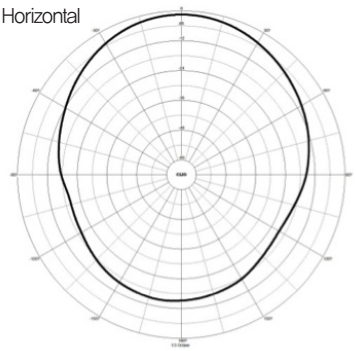
FREQUENCY RANGE

POLAR PATTERN (1kHz)

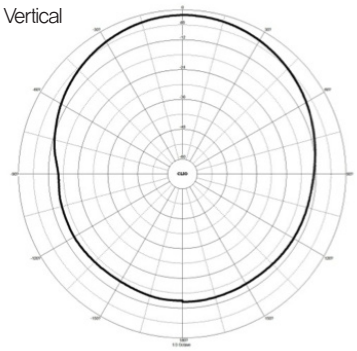
• CU-410F



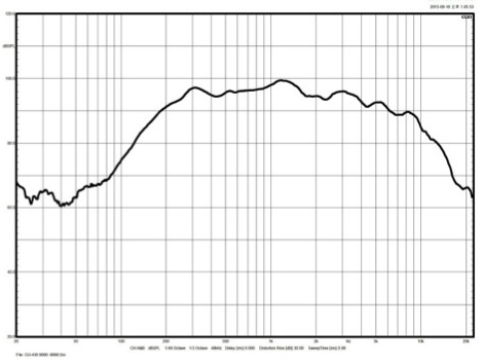
Horizontal



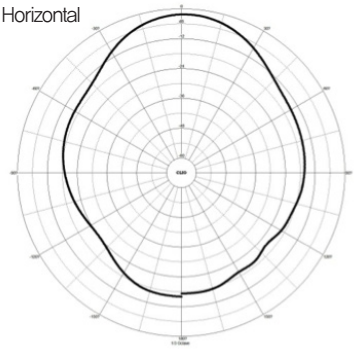
Vertical



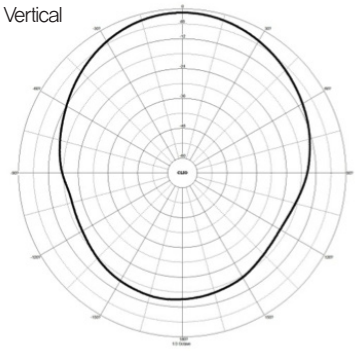
• CU-420F



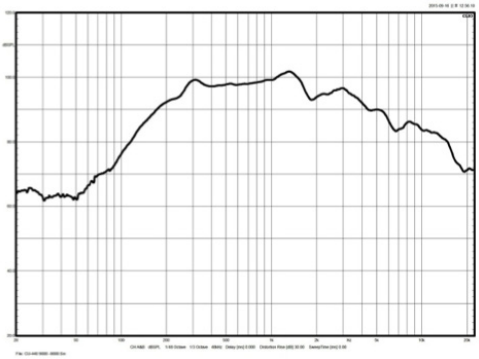
Horizontal



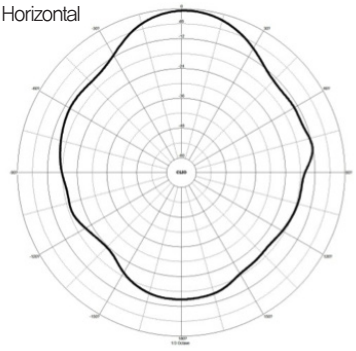
Vertical



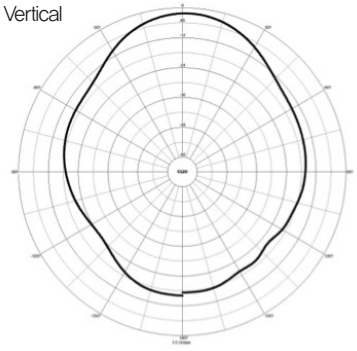
• CU-430F



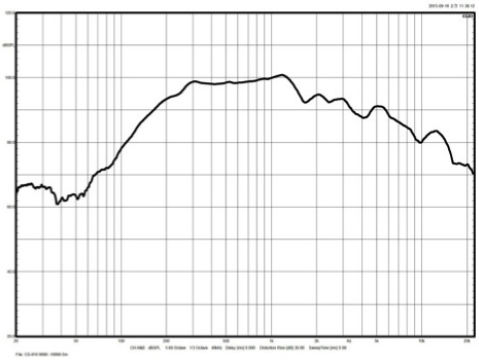
Horizontal



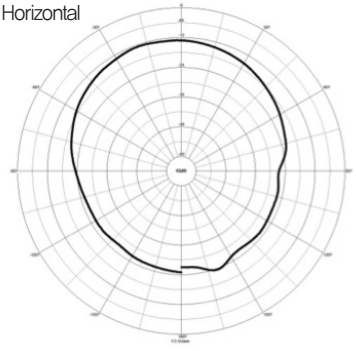
Vertical



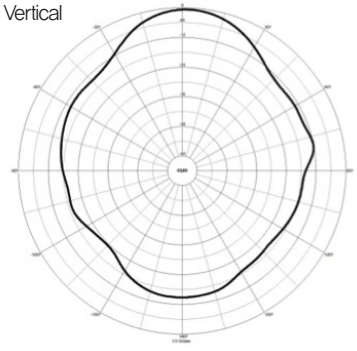
• CU-440F



Horizontal



Vertical



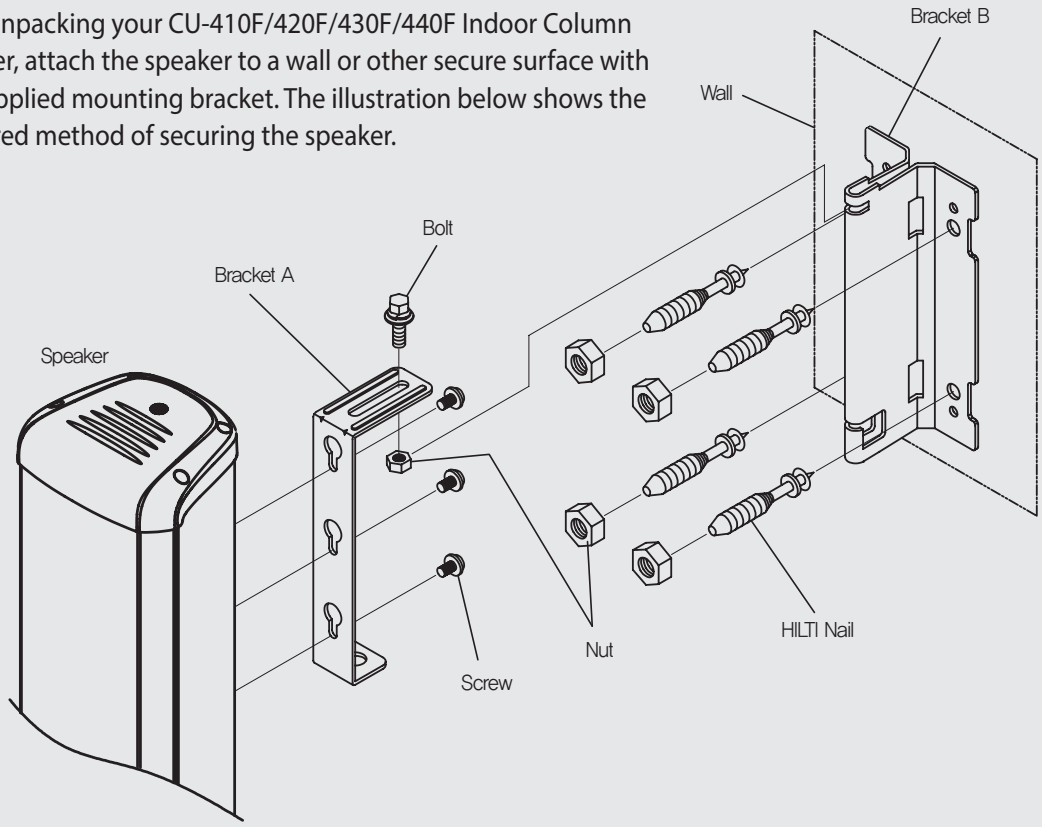
CU-410F/420F/430F/440F

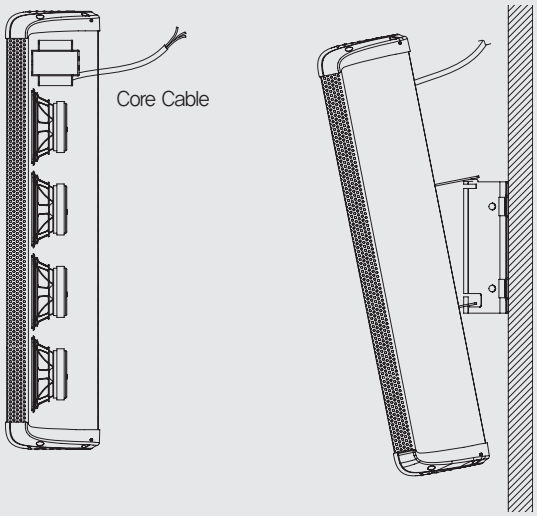
Column Speaker

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.





Column Speaker

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

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

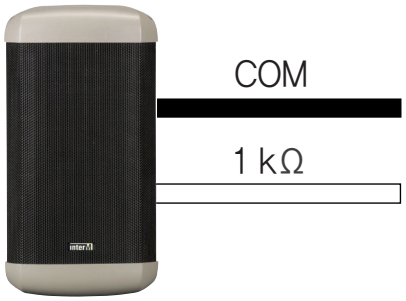
Model		CU-410FO	CU-420FO	CU-430FO	CU-440FO
Type		Single 4" Full-range Column Speaker	Dual 4" Full-range Column Speaker	Triple 4" Full-range Column Speaker	Quad 4" Full-range Column Speaker
Driver		4"	4"	4"	4"
Power Handling (IEC)		10W	20W	30W	40W
Input Power	100V	10/5W	20/10W	30/15W	40/20W
Nominal Impedance	100V	1k/2kΩ	500/1kΩ	330/660Ω	250/500Ω
Power Selection		By Wiring	By Wiring	By Wiring	By Wiring
Frequency Range (-20%)		110Hz ~ 18.4kHz	120Hz ~ 20kHz	100Hz ~ 16.9kHz	100Hz ~ 16kHz
Sensitivity (1W/1m)		86dB	89dB	90dB	91dB
Maximum SPL		96dB	102dB	105dB	107dB
Nominal Dispersion (Conical)	1kHz	190˚x130˚	200˚ x 90˚	190˚ x 60˚	190˚ x 50˚
	4kHz	100˚x100˚	90˚ x 20˚	90˚ x 10˚	90˚ x 10˚
Input Connection		Bi-Wired			
Enclosure Material		Case : AL, Top/Bottom : PP			
Enclosure Color		Light Brown	Light Brown	Light Brown	Light Brown
Grille Material		EGI Steel	EGI Steel	EGI Steel	EGI Steel
Grille Color		BLACK	BLACK	BLACK	BLACK
Weight (Net)		2kg	3.1kg	3.9kg	4.8kg
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		O	O	O	O
Certification		KS	KS	KS	KS
Included Accessories		Wall Bracket			

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

Column Speaker

THE EXAMPLE OF SPEAKER CONNECTION

[Wire type]



10 W



5 W

[Rotary switch type]



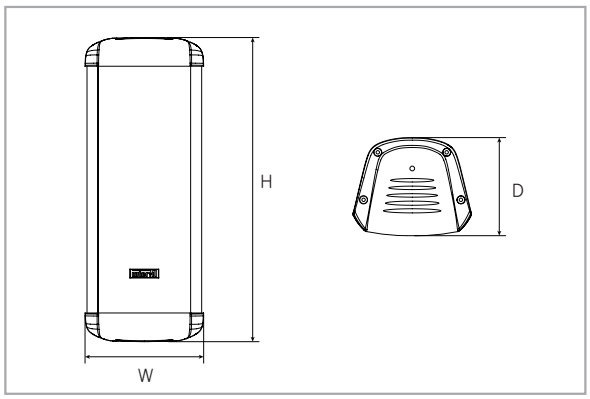
CU-420FO



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	

Column Speaker

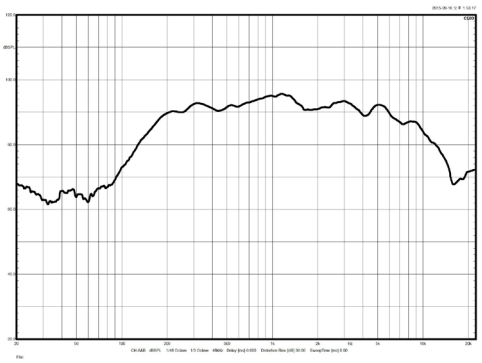
CU-410FO/420FO/430FO/440FO

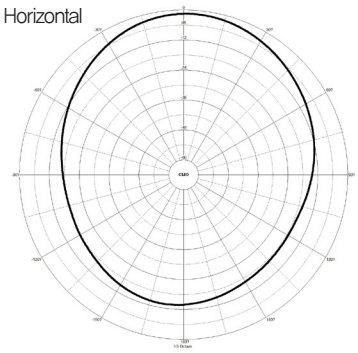
TECHNICAL DATA

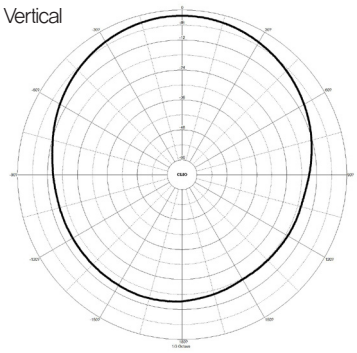
FREQUENCY RANGE

POLAR PATTERN (1kHz)

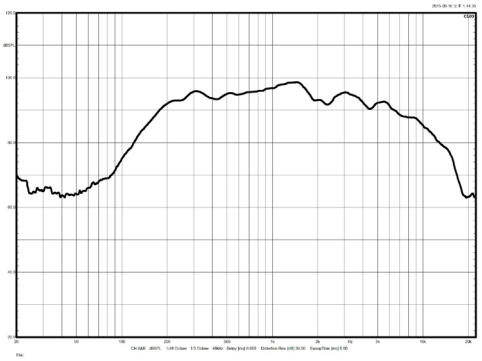
• CU-410FO

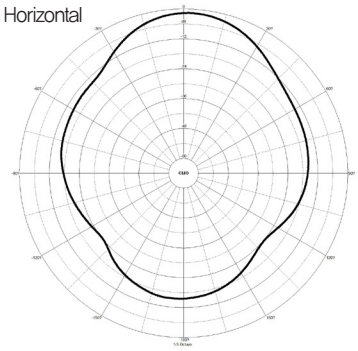


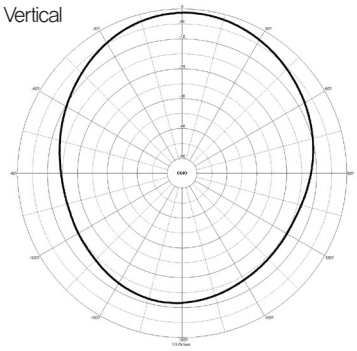




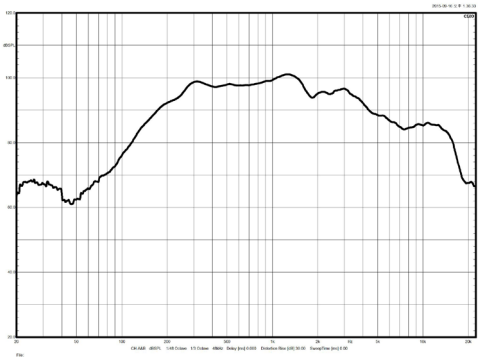
• CU-420FO

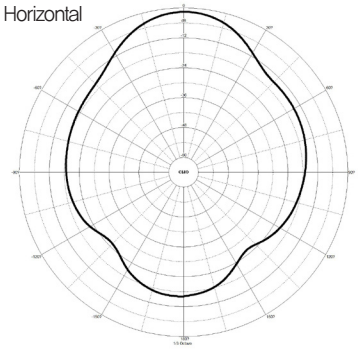


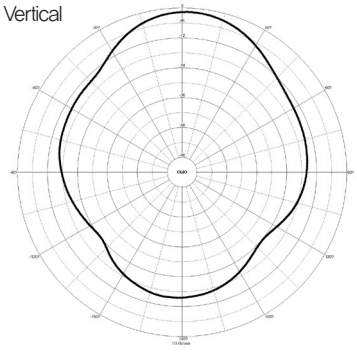




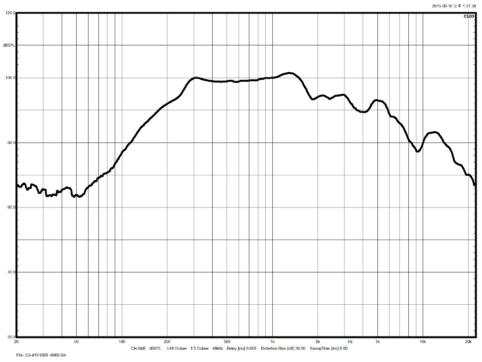
• CU-430FO

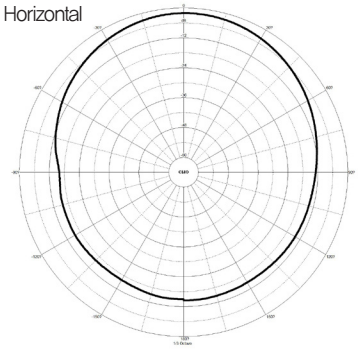


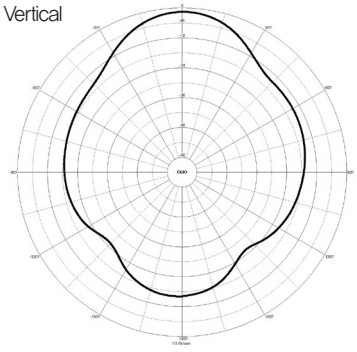




• CU-440FO







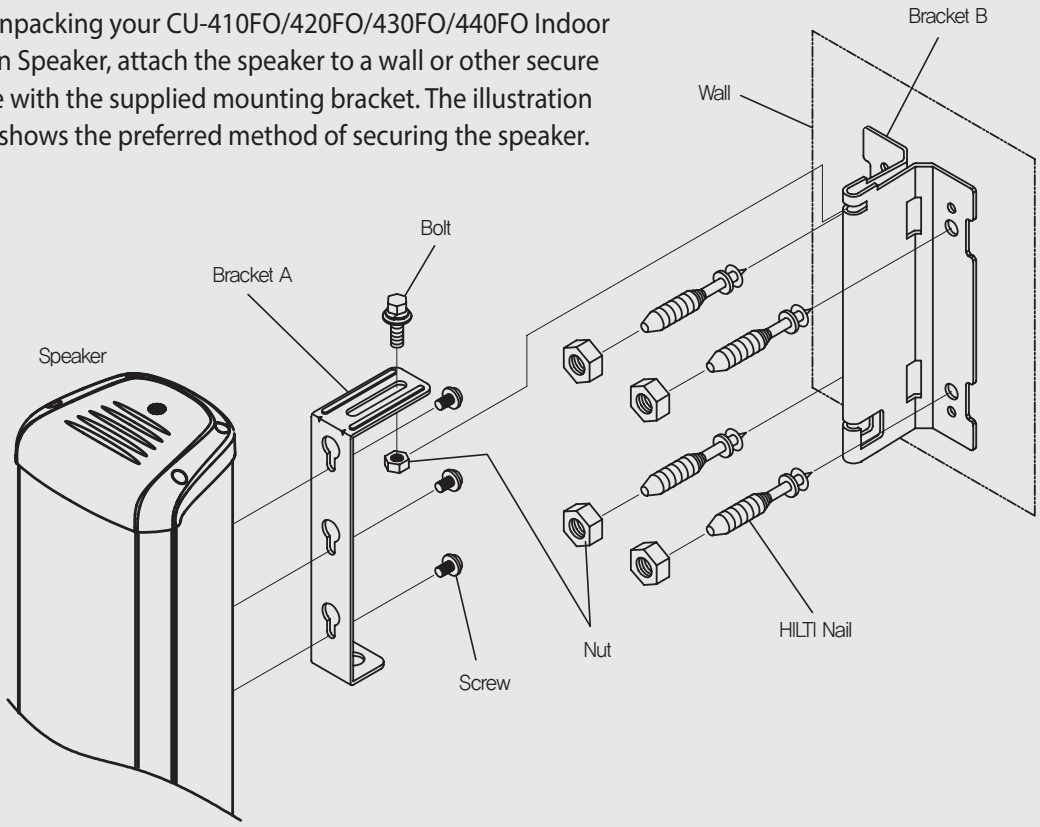
CU-410FO/420FO/430FO/440FO

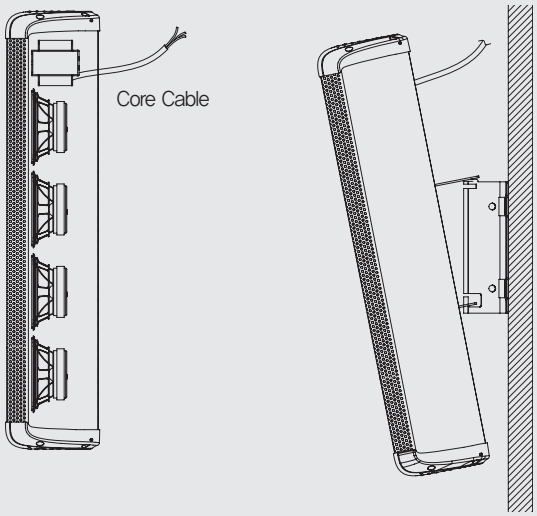
Column Speaker

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.





Inter-M Corporation

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※ The contents stated in this company profile may be subject to change depending on our internal circumstances.

2024. 3. V13