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# HORN

# SPEAKER

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CH-410/420/430



# Horn Speaker

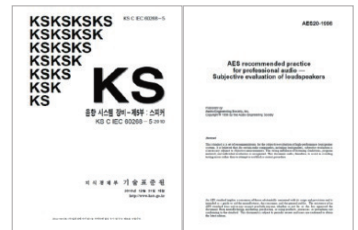
# CH-410/420/430



## Korea standard speaker (KS standard)

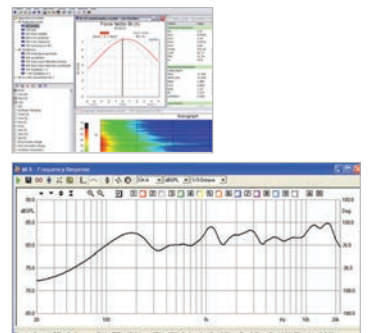


Inter-M acquired a KS certification for speaker system as the first's Korea speaker system manufacturer. The relevant certification is given to the factory of Korea speaker system manufacturer. It ensures KS standard observance for all speakers in the certification items manufactured at the relevant facilities Furthermore, Inter-M speaker provides the durability and reliable quality to user by adding the AES, CEA standard used in the domestic, international market to test list apart from KS standard.



## Thorough quality control

The only products passing a 5 test including a frequency response, harmonics, lumbars are assigned with 'PASS' to provide a stable and equal quality in the market. The relevant test is proceeded through the automation equipment and support the exact verification about the products.



# Horn Speaker

## Recommended Use Range

SERIES	Model	F - R	10M	20M	25M	30M	35M	40M	45M	50M
CH	CH-410	114Hz ~ 15kHz	CH-410							
	CH-420	109Hz ~ 20kHz	CH-420							
	CH-430	109Hz ~ 20kHz	CH-430							

## Waterproof and Damp-proof Outdoor Speaker

The Horn Speaker offers the perfect performance not only indoor but outdoor. It is over IP-65 waterproof rated and EN-54-24(European standard of voice alert alarm for fire emergency) of 4.4.3 IP class.



## Matching of Speaker and Amplifier



20W x 15



600W

Previous PA System is composed of speakers for emergency broadcasting and announcement. On the other hand, recent PA System has high demand in not only speaker announcements but BGM as well. In order to meet the needs of the customer, Inter-M has launched a speaker line with much higher amplifier output.



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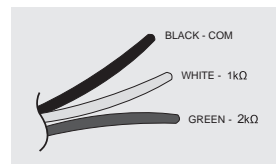
## CH-410



CH-410 horn speakers provide high sound pressure and straightness and are made of synthetic resin so they are not easily bent or broken even by strong impact. It is possible to adjust by 240 degrees up and down and 135 degrees left and right so that it is easy to install speakers in wall or ceiling.

### FEATURES

- 4" full range applied
- For indoor and outdoor use
- Beautiful and reinforced waterproof design
- Wide frequency and clear sound quality
- Easy to adjust the bracket's angle
- Convenience of construction
- Cable connection by output



Model	CH-410	
Type	4" Horn Speaker	
Driver	4"	
Power Handling (AES)	10W	
Input Power	100V	10W/5W
Impedance	100V	1kΩ/2kΩ
Power Selection	-	
Frequency Response(-10dB)	135Hz ~ 13kHz	
Frequency Range(-20%)	114Hz ~ 15kHz	
Sensitivity (1W/1m, 1kHz)	93dB SPL	
Maximum SPL[Cont]	103dB SPL	
Nominal Dispersion(HxV)	1kHz	110° x 140°
	4kHz	50° x 40°
Input connection	Bi-Wired	
Enclosure Material	ABS-ASA	
Enclosure Color (Front)	GRAY	
Grille Material	Metal Grille	
Grille Color	Black	
Weights (Net)	2.9kg	
Dimensions (Net, WxHxD, mm)	291 x 154 x 364	
Weather Resistant	IP54	
Flame Resistant	-	
Certification	-	
Included Accessories	LEVER Bracket/ Bracket Base	



# CH-420/430

## Horn Speaker



CH-420/430 horn speakers provide high sound pressure and straightness and are made of synthetic resin so they are not easily bent or broken even by strong impact.

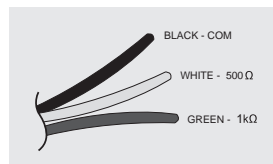
It is possible to adjust by 240 degrees up and down and 135 degrees left and right so that it is easy to install speakers in wall or ceiling.

### FEATURES

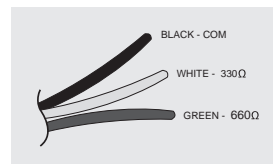
- 4" full range applied
- For indoor and outdoor use
- Beautiful and reinforced waterproof design
- Wide frequency and clear sound quality
- Easy to adjust the bracket's angle
- Convenience of construction

- Cable connection by output

CH-420



CH-430



Model		CH-420	CH-430
Type		4" Horn Speaker	4" Horn Speaker
Driver		4"	4"
Power Handling (AES)		20W	30W
Input Power	100V	20W/10W	30W/15W
Impedance	100V	500/1kΩ	330/660Ω
Power Selection		-	-
Frequency Response(-10dB)		124Hz ~ 20kHz	127Hz ~ 20kHz
Frequency Range(-20%)		109Hz ~ 20kHz	109Hz ~ 20kHz
Sensitivity (1W/1m, 1kHz)		93dB SPL	94dB SPL
Maximum SPL[Cont.]		106dB SPL	109dB SPL
Nominal Dispersion(HxV)	1kHz	110° x 180°	110° x 170°
	4kHz	50° x 30°	40° x 30°
Input connection		Bi-Wired	Bi-Wired
Enclosure Material		ABS-ASA	ABS-ASA
Enclosure Color (Front)		GRAY	GRAY
Grille Material		Metal Grille	Metal Grille
Grille Color		Black	Black
Weights (Net)		3.4kg	3.5kg
Dimensions (Net, WxHxD, mm)		291 x 154 x 364	291 x 154 x 364
Weather Resistant		IP54	IP54
Flame Resistant		-	-
Certification		-	-
Included Accessories		LEVER Bracket/ Bracket Base	LEVER Bracket/ Bracket Base



**Inter-M Corp.**

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