



Established
in Taiwan
in 2002

LINE-ARRAY SOUND SYSTEM



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Line-Array Sound System is the perfect Integration of technique and art Sound expressing absolutely is the advantage of QP and SWP. The delicate degree, clearance, dynamic range, and directivity of the sound all can easily meet the needs of art performance interpretation.

Specification

Type	QP-8	QP-16
Driver Unit	2" × 8pcs	2" × 16pcs
SPL	95dB (1w@1m)	98 dB (1w@1m)
Max.SPL	115dB	118dB
Rated Power	120Watt	240Watt
Freq. Response	100~20kHz (±10dB)	100~20kHz (±10dB)
Impedence	8Ω	8Ω
Horizontal Angle	180degs@1kHz	180degs@1kHz
	120degs@2kHz	120degs@2kHz
	100degs@4kHz	100degs@4kHz
Dimension	680x86x111mm	1012x86x111mm
Weight	4.8kg	7.82kg

QP-16

Line-Array Sound System



SWP-12

DSP Active Subwoofer



Build-in DSP audio processing software can make you as the engineer adjust, according to the acoustic characteristics at installation site. Application: Music Band, Orchestra, Lecture Conference, Small Concert Party, Large Lecture Hall, Education application, DJ, Piano Bar.



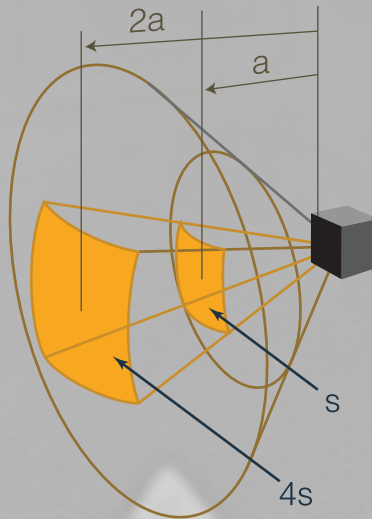
Digital Signal Processor (DSP)

The use of digital processing, to perform a wide variety of signal processing operations.

Transform multi analog signal to digital signal, it significantly increases the overall value of hearing protection. Unlike passive protection, DSP suppresses noise without blocking the speech signal, enhanced and improved quality of sound.

Specification

Type	SWP-12	SWP-15
Driver Unit	12" Subwoofer	15" Subwoofer
SPL	96dB (1w@1m)	97dB (1w@1m)
Max.SPL	123dB	124dB
Rated Power	600Watt	1000Watt
Freq. Response	40~1kHz (±10dB)	33~1kHz (±10dB)
Impedence	4Ω	4Ω
Dimension	370×500×416mm	480×545×506mm
Weight	22.5kg	41kg

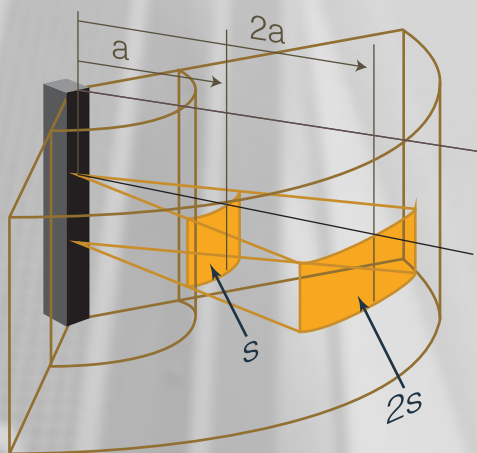


Traditional Speaker

*A Circle Voice directivity will diffuse quadruple
at same converange distance.
Volumn will be relatively weak and cased
sound distortion.*



Circle Voice



Line-Array Speaker

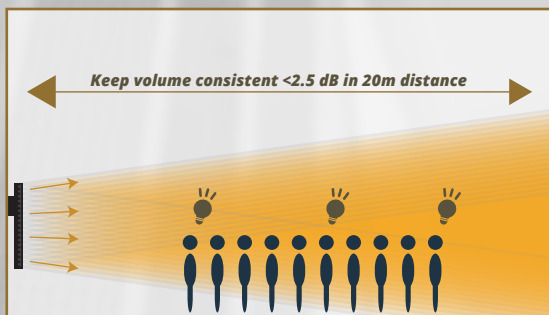
Centralize directivity to ensure volume adequate distribution to eliminate reverberation and echo. Keeping <2.5 dB at consistent volume in 20m range.



Traditional Speaker

*Large voice directive angle reflection gives
Rise to **DIFFUSION**, **REVERBERATION** and **ECHO**
Reducing level of **STIPA***

Diffuse
Field



Line-Array Speaker

*Centralize voice directive angle gives Reduce to
SOUND REFLECTION, keeping sound level consistent
Enhancing level of STIPA*

Enhance STIPA

(Speech Transmission Index for Public Address)

STIPA (speech transmission index for public address systems) is a STI derivative approach that was developed for fast measurements of electro-acoustic and acoustic environments effects that affect the speech intelligibility in the room acoustics and/or public address systems.

STI Value		Intelligibility of syllables	Intelligibility of words	Intelligibility of sentences
0 - 0.3	Bad	0 - 34%	0 - 67%	0 - 89%
0.3 - 0.45	Poor	34 - 48%	67 - 78%	89 - 92%
0.45 - 0.6	Fair	48 - 67%	78 - 87%	92 - 95%
0.6 - 0.75	Good	67 - 90%	87 - 94%	95 - 96%
0.75 - 1	Excellent	90 - 96%	94 - 96%	96 - 100%

Quality according to IEC 60268-16



Examples of STI

Qualification Bands & Typical Applications



Qi-6

Directional Ceiling Speaker



Unique design with 4 x 2" LF unit & 1" HF with silk dome tweeter, speaker through 4 different directions angles to get the best sound effect

Built-in 70/100v integrated multi-tap transformer design to make change convenient without tools.

Design of ultra thin trmpet box, can match rooms decor

High quality gasket and metal fire-proof grill to et operation stable in different suitations.

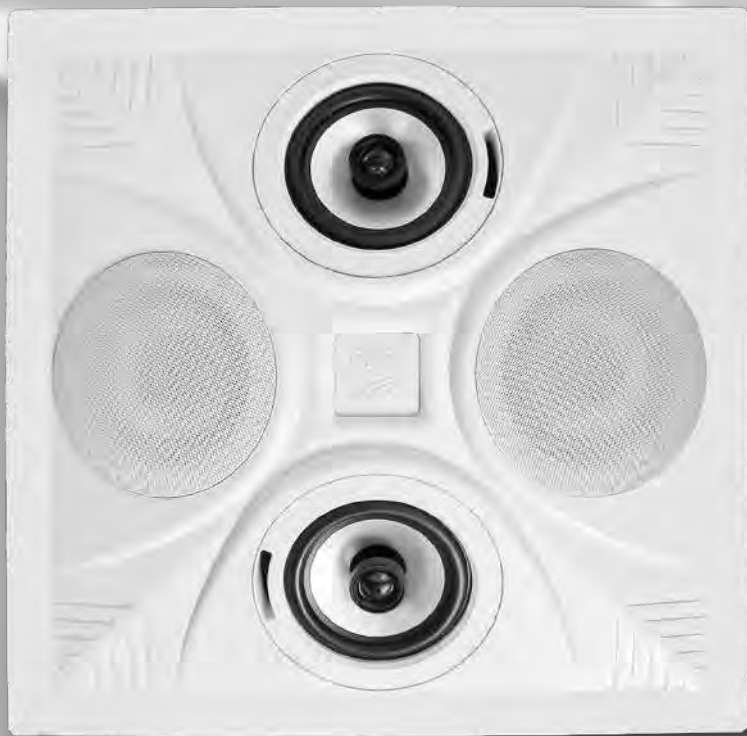


Specification

Type	2-Way
Unit	4 x 2" & 1" HF
Frequency response	50Hz ~ 20kHz
Impedance	8Ω
Peak Power	60W
Rated Power	30W
Sensitivity Level	84 ±3dB
Constant SPL	70V : 1.3W, 2.5W, 5W, 10W, 20W 100V : 2.5W, 5W, 10W, 20W
Diemensions	294x131.5mm
Cut Out Dimension	ø264mm
Weight	2.6kg

QD-600

In-Ceiling Speaker Series



Comprised of 4 x 6.5" drivers heading 4 different directions to achieve best sound coverage . The unique design easily fit into room décor and helps deliver great tonal balance and intelligibility.

Motorized up/down machine delivery speaker
"spaceship" to travel up to 6.5 meters long
distance and control by remote controller

Specification

Type	4 x 2-Way
HF Unit	4 x 0.75"
LF Unit	4 x 6.5"
Impedance	8Ω
Rated Power	150W / 70V : 4W, 8W, 16W, 32W, 64W
Full Power	300W
Frequency response	55Hz ~ 20kHz
Sensitivity Level	>88dB
Diemensions	603x603x135mm
Weight	11.3 kg

QD-2068

40~45°

Square Shape Motorized Ceiling Speaker



Uplink version power management design

Multi / Individual zone control thru in-wall control panel

40-45° angle adjustment to achieve the best sound directivity

Angle Control

Manual Control (Switch On/Off)

Central Control (Relay Connect)

Multi / Individual zone control via control panel

Specification

Type	2-Way
HF Unit	1"
LF Unit	8"
Impedance	8Ω
Frequency response	40Hz~20kHz
Sensitivity	>90dB
Rated Power	100W
Peak Power	250W
Crossover Frequency	3 kHz (-6dB/oct)
Outer Dimension	320×304×217mm
Cut Out Dimension	303×290mm
Weight	4.9kg
Angle Control	A : Manual Control B : Central Control

QD-2038

0~45°

Circle Shape Motorized Ceiling Speaker



8" Kevlar ceiling Circle shape automation speaker.
Knobs control for angle adjustment options from 0 to 45 degree
RJ 45 connection through IP to adjust angles and
control other features

Angle Control

Manual Control (Switch On/Off)

Central Control (Relay Connect)

Multi / Individual zone control via control panel

Specification

Type	2-Way
HF Unit	1"
LF Unit	8"
Impedance	8Ω
Frequency response	45Hz~20kHz
Sensitivity	>90dB
Rated Power	100W
Peak Power	250W
Outer Dimension	285×234mm
Cut Out Dimension	ø270mm
Weight	4.8kg
Angle Control	A : Manual Control B : Central Control

QQ-Hi

Hanging Speaker



High density silk dome tweeter , mount with Kevlar cone woofer under high dynamic performance Juicy vocal & high speed mid-bass performance

Compact design for chamber module. Peak power – 200W

Elegant shape for outlook, based on different application

available for multi-function :

Hang-up, Ceiling or any available installation.

Applications : Conference room , Home theater, Entertainment room



Specification

Tweeter	1" Silk-Dome
Woofer	4" Kevlar Woofer
Impedance	4Ω
Rated Power	80W
Peak Power	200W
Frequency response	100Hz ~ 20kHz
Sensitivity	89dB ±3dB
Dimension	161x140.5mm
Weight	1.7kg
Colour	Black / White



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