



Long Range Acoustic Hailing System



Concentrating on Acoustic Since 1988

www.dsppatech.com



Group Profile

Guangzhou DSPPA Audio Co., Ltd. is a professional audio manufacturer since 1988. With more than 30 years' history of designing and manufacturing audio products, DSPPA has enjoyed a high reputation in and out of China. Technology innovations, strict quality and environment control (ISO 9001&ISO14000) and market-oriented products have made DSPPA to be the leading brand in the field of public address system and conference system. As the chief editor of the Technical Code for Public Address System Engineering of China, DSPPA is widely recognized as the largest and most professional audio equipment supplier in China. DSPPA has rapidly expanded its business in 120 overseas countries. DSPPA is a qualified manufacturer for audio system development in the military field, and DSPPA acoustic hailing system has been widely used in PA system projects of the armed police force, air force, army and navy.

Factory Scale

Head office
20000m² +

Factory
85000m² +
(2 production centers)

Warehouse
6000m² +

Sales Team
300+ people

QC Dept
80+ people

R&D
Engineers
200+ people

Factory
500+ people

Business Scope

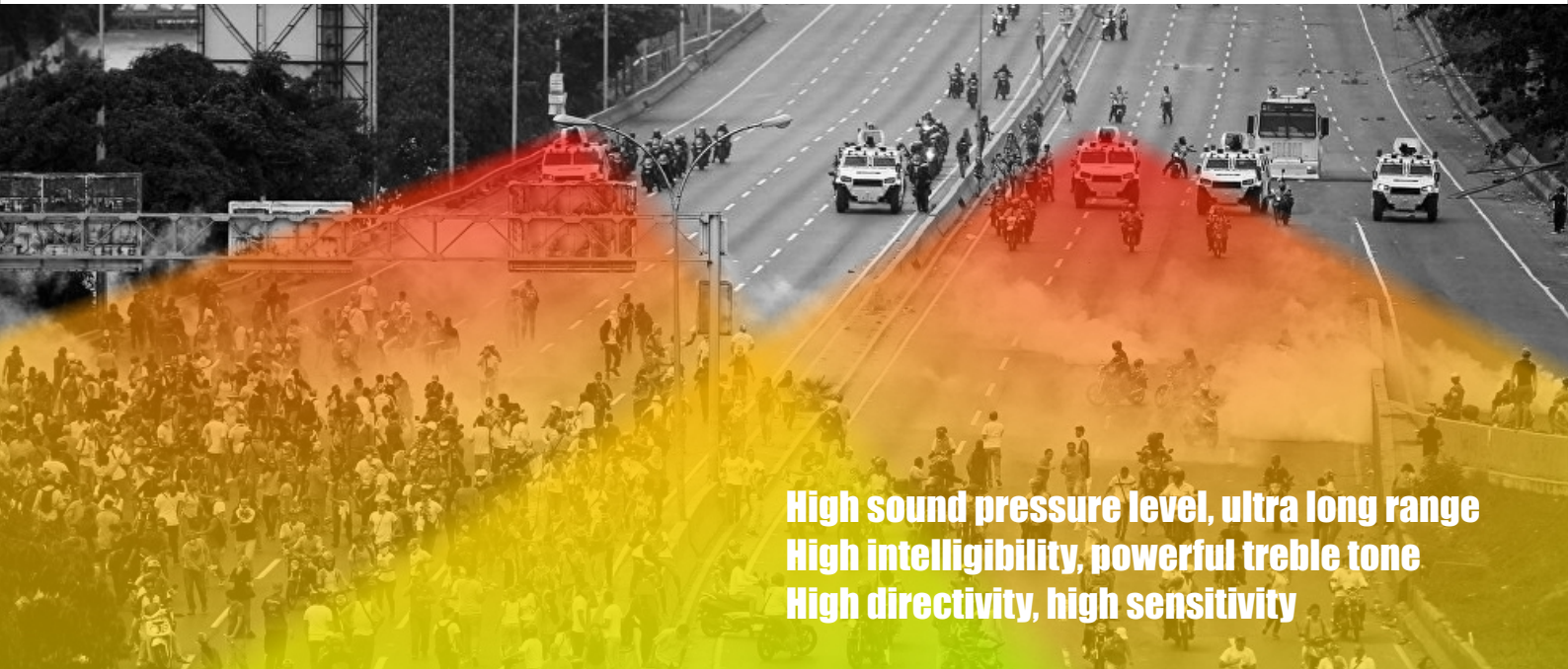
- Public Address System
- Professional Sound Reinforcement System
- Multimedia Audiovisual Digital Conference System
- Long Range Acoustic System
- Intelligent Paperless Conference System
- Remote HD Video Conference System
- EN54 Voice Evacuation System
- Distributed Integrated Management Platform
- Intelligent Audio System



Successful Cases



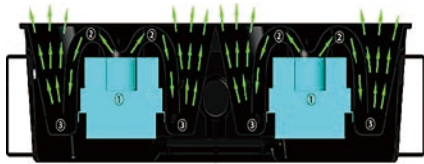
Military/Police Remote Warning Broadcasting/Acoustic Hailing System



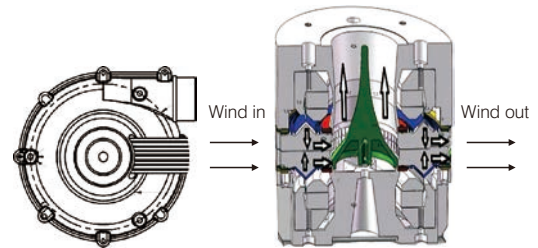
High sound pressure level, ultra long range
High intelligibility, powerful treble tone
High directivity, high sensitivity

Advanced Technology

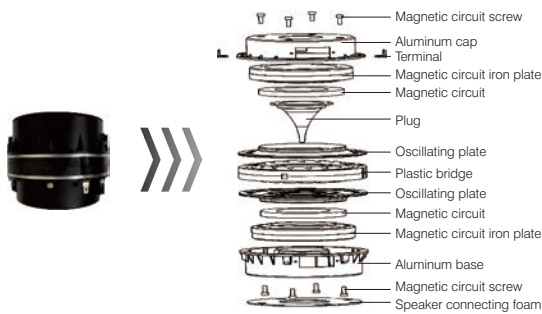
The design of the three-section bypass horn



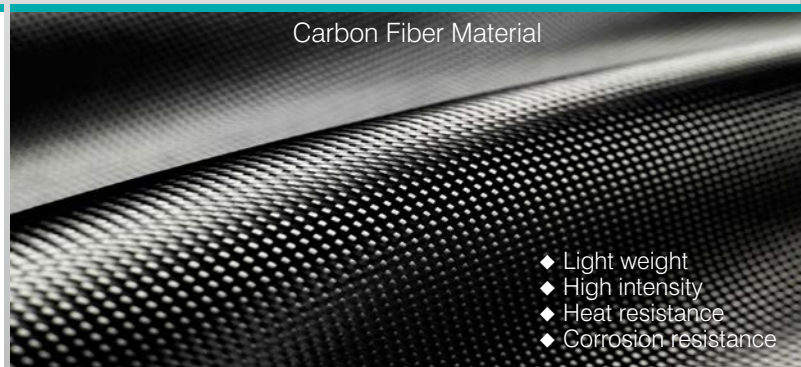
High efficiency air cooling system design



Conversion transducer



Carbon Fiber Material



Purposes

Deter and disperse crowds

Emergency command and control

Traffic control

Voice broadcast from long range

Attention broadcast

Bird repellent

Emergency response

Border security

LRAS1515/LRAS1515A (built-in battery) 150W Acoustic Hailing Device

137dB

150W

6.5kg



LRAS1515

137dB

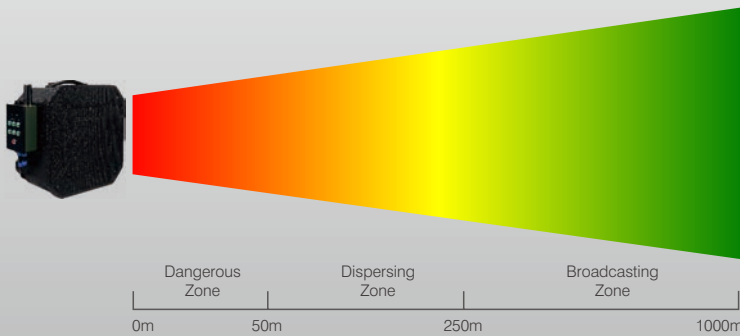
150W

8.5kg



LRAS1515A

- Long distance directional speaker
- Up to 600m clear sound transmission
- SPL (1m) is up to 137dB
- The sound wave is directional to avoid sound distortion caused by echo interference
- Optimized sound wave dispelling and waveguide structure to pass the sound through the siren, engine noise and noisy crowd, and be accurately heard by each target person
- The sound beam angle is 30°
- Handheld and portable, friendly in use and flexible in control



	LRAS1515	LRAS1515A
RMS Power	150W/8Ω	150W/4Ω
Sensitivity	116±2dB	116±2dB
Max SPL	137±2dB	137±2dB
Freq. Response	400Hz-6KHz	400Hz-6KHz
Cover Angle	horizontal 30°x vertical 30°	
STIPA	0.85	0.85
Communication Distance	≥1000m	≥1000m
Dispersal Distance	250m	250m
Dimension	365x215x235mm	365x215x235mm
Net Weight	6.5kg	8.5kg

The parameters will be subject to changes without notices.
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LRAS1830/LRAS1830A (without battery) 300W Acoustic Hailing Device

142dB

300W

12kg

142dB

300W

14kg

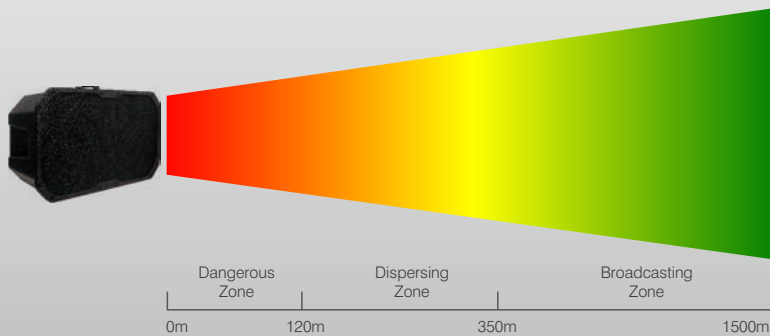


LRAS1830



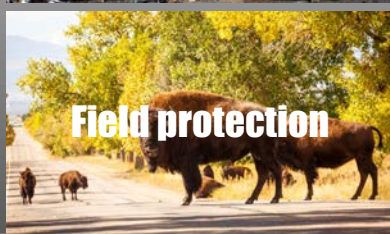
LRAS1830A

- Directional and power efficient hailing device, provide clear, long range, directional communication
- Highly intelligible communication up to 1000 meters
- MAX. SPL. up to 142dB at a distance of 1m
- Clear sound transmission within 350m under 88dB background noise
- With directional sound wave, the sound beam angle is 30°
- Waterproof and salt-resistant, applicable to outdoors under bad weather
- Safely communicates beyond standoff distances to transmit intent, applied in Army, Police, Law enforcement, Fire rescue, Coast guard, Border Security etc.



	LRAS1830	LRAS1830A
RMS Power	300W/8Ω	300W/4Ω
Sensitivity	116±2dB	116±2dB
Max SPL	142±2dB	142±2dB
Freq. Response	400Hz-6KHz	400Hz-6KHz
Cover Angle	horizontal 30°x vertical 30°	
STIPA	0.85	0.85
Communication Distance	≥1500m	≥1500m
Dispersal Distance	350m	350m
Dimension	645x175x365mm	645x175x365mm
Net Weight	12kg	14kg

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LRAS1860/LRAS1860A (without battery) 600W Acoustic Sound Weapon

148dB **600W** **28kg**

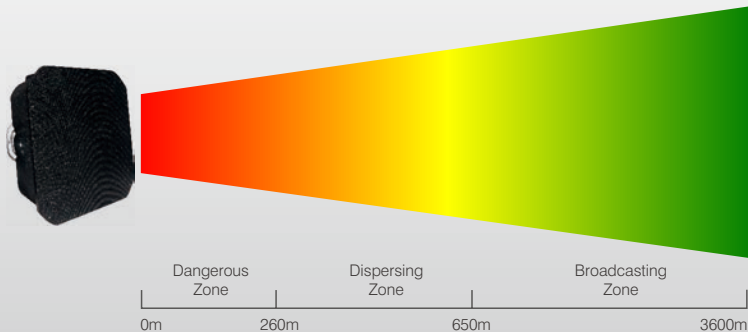
148dB **600W** **30kg**



LRAS1860

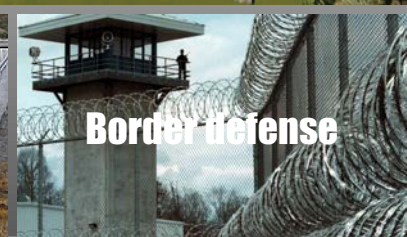
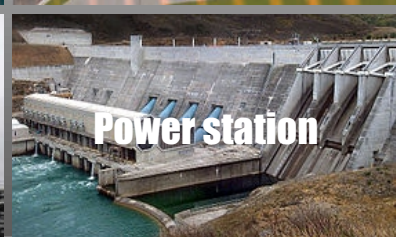
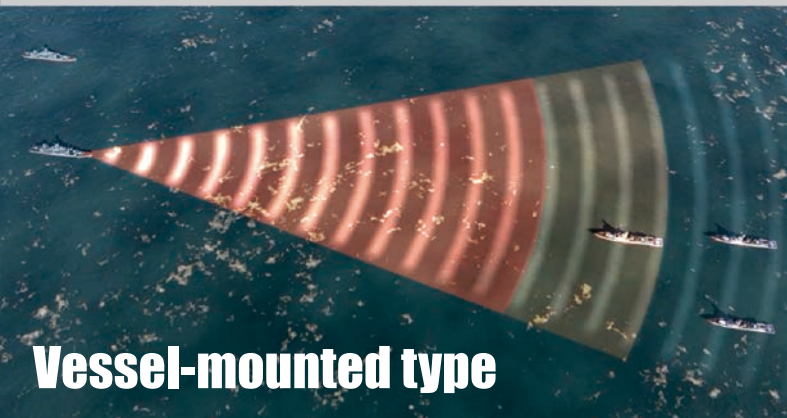


LRAS1860A



	LRAS1860	LRAS1860A
RMS Power	600W/8Ω	600W/4Ω
Sensitivity	116±2dB	116±2dB
Max SPL	148±2dB	148±2dB
Freq. Response	400Hz-6KHz	400Hz-6KHz
Cover Angle	horizontal 30°x vertical 30°	
STIPA	0.85	0.85
Communication Distance	≥3600m	≥3600m
Dispersal Distance	650m	650m
Dimension	652x235x652mm	652x235x652mm
Net Weight	28kg	30kg
Net Weight (Carbon Fiber)	23kg	25kg

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DSP3028A

1000W Waterproof Horn Loudspeaker

146dB

1000W

73.8kg



- 1000W high power loudspeaker
- All weather proof, wall mount type
- Max SPL @146dB, wide cover range
- Glass fiber reinforced plastics, durability and reliability
- Suitable for military camp, prison and other broadcasting

RMS Power	1000W
Input Voltage	100V
Driver Units	12"x2, 3"x2
Sensitivity	110±2dB
Max SPL	146±2dB
Freq. Response	100Hz-16KHz
Dimension	690x690x900mm
Net Weight	73.8kg

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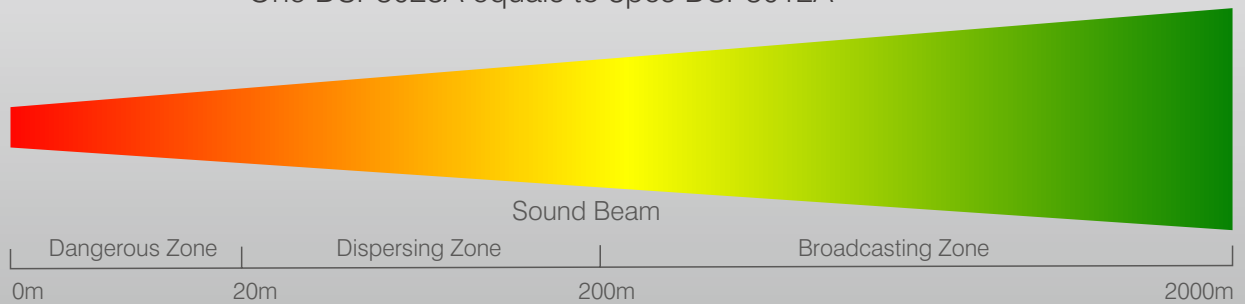


DSP3028A
146dB



DSP3012
137dB × 8

One DSP3028A equals to 8pcs DSP3012A





LRAD1405

50W Acoustic Hailing Device



105dB **50W** **5kg**

RMS Power	50W/4Ω/8Ω
Sensitivity	108±3dB
Max SPL	105±3dB
Freq. Response	250Hz-8KHz
Cover Angle	horizontal 30°x vertical 90°
Dimension	293.5x95x250mm
Net Weight	5kg

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Traffic command

LRAD1410/LRAD1420

100W/200W Acoustic Hailing Device



130dB **100W** **10kg**
136dB **200W** **22kg**

	LRAD1410	LRAD1420
RMS Power	100W/4Ω/8Ω	200W/4Ω/8Ω
Sensitivity	110±3dB	116±3dB
Max SPL	130±3dB	136±3dB
Freq. Response	250Hz-8KHz (-20dB)	300Hz-10KHz (-20dB)
Cover Angle	horizontal 30°x vertical 60°	horizontal 15°x vertical 30°
Dimension	293.5x230x250mm	440x665x240mm
Net Weight	10kg	22kg

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Maritime patrol

WJ-50

1000W Acoustic Hailing System Main Speaker



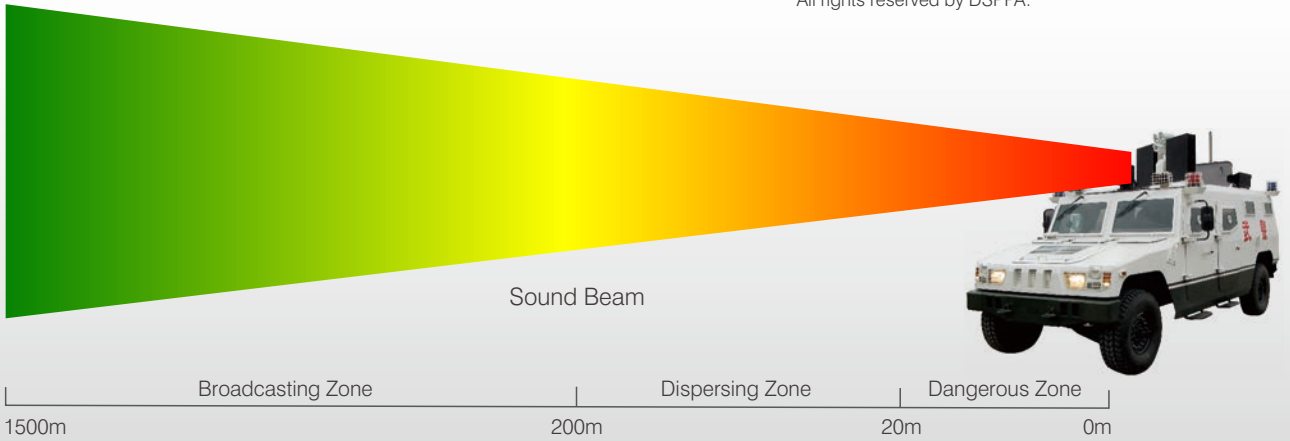
148dB

1000W

65kg

RMS Power	1000W
Input Impedance	5Ω
Sensitivity	118dB
Max SPL	148dB
Freq. Response	500Hz-5KHz
STIPA	0.85@100m
Cover Angle	horizontal 10°x vertical 15°
Dimension	310x215x203mm
Net Weight	65kg

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Vehicle-mounted type



Vessel-mounted type

LRAS150

150W Mass Notification Speaker

135dB

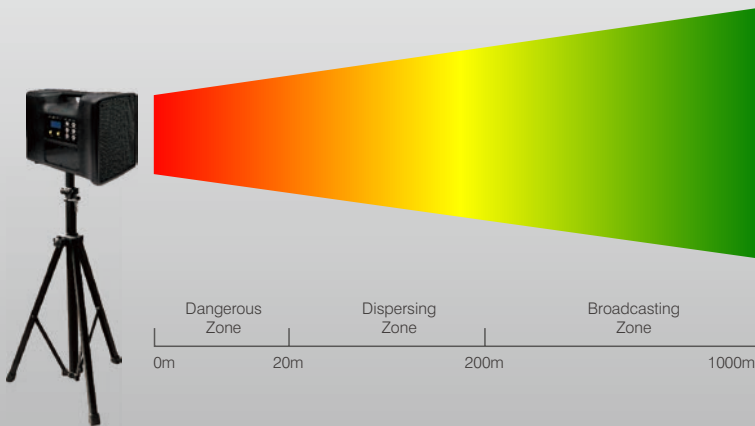
150W

7.7kg



(Black customized)

- Adopts voice coil air cooling technology, cooling fast
- Rated power 150W, customized version more than 500W
- Supports parallel connection of multiple devices on vehicle and shipboard
- Can be carried like a shoulder bag, backpack or handbag, and can also be installed on a tripod
- Built in MP3, FM, support Bluetooth as audio source
- Support one key to play the alarm or dispel sound
- Support wireless handheld microphone for mass notification
- Paging through this product can be recorded to USB disk and supports playback
- Support phone call from another region to broadcast in the whole system
- Power supply: Built in battery, charged by DC12V adaptor



RMS Power	150W
Sensitivity	113±3dB
Max SPL	135±2dB
Freq. Response	400Hz-8kHz
Cover Angle	horizontal 70°x vertical 50°
Dimension	240x380x300mm
Net Weight	7.7kg

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Bird Repellent Sound System



The Bird Repellent Sound System emits a variety of naturally recorded distress calls and predator cries that confuse, frighten, and disorient pest birds. Keep birds far away from the weather-resistant speakers. This system can efficiently protect Airports, Power plants, High Voltage Grid, Farmland, Orchard and so on.

- Broadcasts bird distress calls and predator cries
- Covers up to 600 meters
- No traps, chemicals, or poisons
- Green, non-Harmful, simple to install
- USB uploaded sounds easily
- All weather resistant designed
- Includes installation consultation

Configuration



Application





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