

# Public Address Speakers

**KAS SERIES**



Ultrak offers a wide selection of speakers which can be used in a variety of applications. From projection speakers to column speakers to ceiling, horn and cabinet speakers, we have it all

As with other Ultrak product lines, reliability, performance and quality are key features of our speakers

All our speakers are backed by a 3-year limited warranty

• **Comprehensive line of speakers :**

- Projection speakers
- Column speakers
- Reflex horn speakers
- Ceiling speakers
- Cabinet speakers
- Sphere speakers

• **UL and CSA listed**

- **3- year limited warranty**



# Public Address Speakers

## TECHNICAL SPECIFICATIONS

### Projection Speakers



#### KAS2110MSC/KAS2120MSC/KAS2130MSC/KAS2220MSC/KAS2230MSC (Indoor) KAS2110MLC/KAS2120MLC/KAS2130MLC/KAS2220MLC/KAS2230MLC (Outdoor)

- Splashproof projection speakers IP66 (Outdoor)
- ABS resin enclosure
- Stainless steel hanging bracket for easy installation
- Power taps  
10, 5 or 2.5W (KAS2110MSC, KAS2110MLC)  
20, 15 or 10W (KAS2120MSC, KAS2120MLC, KAS2220MSC, KAS2220MLC)  
30, 15 or 7.5W (KAS2130MSC, KAS2130MLC, KAS2230MSC, KAS2230MLC)
- Ivory color
- Self extinguishing (KAS2220MLC, KAS2230MLC)
- Compact Size 148x196 mm (KAS2130MSC, KAS2130MLC)



#### KAS2230DLC /KAS2130DLC

- Splashproof projection speaker, suitable for outdoor use
- ABS resin enclosure
- 2 - speakers in opposite mounting for bi-directional use
- ideal in train stations, factories, etc
- Stainless steel hanging bracket for easy installation
- Power taps: 30, 20, 15, 10 or 5W
- Ivory color
- IP66
- Self extinguishing
- Compact Size 148x196 mm (KAS2130DLC)



#### KAS2220ELS

- 20 Watt Vandal-resistant, Weather-resistant Speaker
- Extruded aluminum enclosure
- 6-inch speaker
- Power taps: 20, 15, 10 and 5 Watts
- Sensitivity: 91dB
- IP66



#### KAS3130MLW

- Reflex horn speaker with high sound pressure level
- Anti-shock construction in ABS resin cabinet
- Provided with a stainless steel hanging bracket for easy installation
- Power taps: 30, 15 or 7.5W
- White color
- IP66
- Sensitivity: 107dB



#### KAS3230MLC

- Anti-shock construction in ABS resin cabinet
- High sound pressure level
- IP66
- Provided with a stainless steel hanging bracket for easy installation
- Power taps: 30, 15, 7.5 or 4W
- Gray color
- Sensitivity: 109dB

|                       | KAS2110MSC<br>KAS2110MLC     | KAS2120MSC<br>KAS2120MLC     | KAS2220MSC<br>KAS2220MLC      | KAS2130MSC<br>KAS2130MLC<br>KAS2230MSC<br>KAS2230MLC | KAS2230DLC<br>KAS2130DLC      | KAS2220ELS                    | KAS3130MLW                                | KAS3230MLC                       |
|-----------------------|------------------------------|------------------------------|-------------------------------|------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------------|----------------------------------|
| Power (Watt RMS)      | 10                           | 20                           | 20                            | 30                                                   | 30                            | 20                            | 30                                        | 30                               |
| Frequency Response    | 100-20,000Hz                 | 150-20,000Hz                 | 100-20,000Hz                  | 100-20,000Hz                                         | 80-20,000Hz                   | 100-20,000Hz                  | 430-13,000Hz                              | 340-12,000Hz                     |
| Sensitivity (1 W/1 m) | 91 dB                        | 93 dB                        | 90 dB                         | 93 dB                                                | 85 / 96 dB                    | 91 dB                         | 107 dB                                    | 109 dB                           |
| Woofer                | 5 in<br>(13cm)               | 5 in<br>(13cm)               | 6 in<br>(16cm)                | 6 in<br>(16cm)                                       | 2 x 6 in<br>(2 x 16cm)        | 6 in<br>(16cm)                | —                                         | —                                |
| Size                  | 5.3x 8.1 in<br>(135 x 205mm) | 7.1x 7.7 in<br>(180 x 195mm) | 7.1x 10.6 in<br>(180 x 270mm) | 7.1x 10.6 in<br>(180 x 270mm)                        | 7.1x 10.6 in<br>(180 x 270mm) | 7.1x 10.6 in<br>(180 x 270mm) | 6.8 x 5.1 x 6.2 in<br>(172 x 130 x 158mm) | 9.252 x 11.81 in<br>(235x 300mm) |
| Weight                | 2.75 lbs<br>(1.25 kg)        | 4.52 lbs<br>(2.05 kg)        | 5.8 lbs<br>(2.6 kg)           | 6.1lbs<br>(2.75 kg)                                  | 6.8 lbs<br>(3.05 kg)          | 6.8 lbs<br>(3.05 kg)          | 2.9 lbs<br>(1.3 kg)                       | 5.31 lbs<br>(2.4kg)              |

# Public Address Speakers

## TECHNICAL SPECIFICATIONS

### Column Speakers

#### KAS4410MSC/KAS4420MSC/KAS4430MSC (Indoor) KAS4410MLC/KAS4420MLC/KAS4430MLC (Outdoor)

- Metal case column speaker
- For vertical mount, to disperse sound evenly and widely over the audience
- Provided with selective power output  
10, 5 or 2.5W (KAS4410MSC, KAS4410MLC)  
20, 10 or 5W (KAS4420MSC, KAS4420MLC)  
30, 15 or 7.5W (KAS4430MSC, KAS4430MLC)
- Wall mounting bracket for easy installation
- KAS4410MSC, KAS4420MSC, KAS4430MSC: ivory color
- KAS4410MSG, KAS4420MSG, KAS4430MSG: grey color
- IP66 (Outdoor)



#### KAS4040MSB/KAS4060MSB/KAS4100MSB (Indoor) KAS4040MLB/KAS4060MLB/KAS4100MLB (Outdoor)

- Metal case column speaker
- For vertical mount, to disperse sound evenly and widely over the audience
- Provided with selective power output  
40, 20 or 10W (KAS4040MSB, KAS4040MLB)  
60, 30 or 15W (KAS4060MSB, KAS4060MLB)  
100, 50 or 25W (KAS4100MSB, KAS4100MLB)
- Wall mounting bracket for easy installation
- KAS4040MSB, KAS4060MSB, KAS4100MSB: black color
- KAS4040MSC, KAS4060MSC, KAS4100MSC: ivory color
- KAS4040MSG, KAS4060MSG, KAS4100MSG: grey color
- KAS4040MSB, KAS4060MSB, KAS4100MSB: black color
- KAS4040MSC, KAS4060MSC, KAS4100MSC: ivory color
- KAS4040MSG, KAS4060MSG, KAS4100MSG: grey color
- IP66 (Outdoor)

|                       | KAS4410MSC/MSG<br>KAS4410MLC/MLG       | KAS4420MSC/MSG<br>KAS4420MLC/MLG        | KAS4430MSC/MSG<br>KAS4430MLC/MLG        |
|-----------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|
| Power (Watt RMS)      | 10                                     | 20                                      | 30                                      |
| Frequency Response    | 100-20,000Hz                           | 100-20,000Hz                            | 100-20,000Hz                            |
| Sensitivity (1 W/1 m) | 88 dB                                  | 89 dB                                   | 90 dB                                   |
| Woofer                | 1 x 4 in<br>(10cm)                     | 2 x 4 in<br>(2x10cm)                    | 3 x 4 in<br>(3x10cm)                    |
| Size                  | 3.5 x 3.3 x 6.6 in<br>(90x 85 x 168mm) | 3.5 x 3.3 x 10.5 in<br>(90x 85 x 268mm) | 3.5 x 3.3 x 14.4 in<br>(90x 85 x 365mm) |
| Weight                | 2.9 lbs<br>(1.3 kg)                    | 3.5 lbs<br>(1.6 kg)                     | 4.52 lbs<br>(2.05 kg)                   |
| Directivity           | 150 x 30°                              | 150 x 30°                               | 150 x 30°                               |

|                              | KAS4040MSB/MSC/MSG<br>KAS4040MLB/MLC/MLG  | KAS4060MSB/MSC/MSG<br>KAS4060MLB/MLC/MLG  | KAS4100MSB/MSC/MSG<br>KAS4100MLB/MLC/MLG  |
|------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Power (Watt RMS)             | 40                                        | 60                                        | 100                                       |
| Frequency Response           | 100-20,000Hz                              | 100-20,000Hz                              | 100-20,000Hz                              |
| Sensitivity (1 W/1 m)        | 95 dB                                     | 98 dB                                     | 100 dB                                    |
| Woofer<br>(woofer + tweeter) | 2 x 3.5 in<br>(2x9cm)                     | 2 x 4.5 in<br>(2x11.5cm + 2 tweeter)      | 4 x 4.5 in<br>(4x11.5cm + tweeter)        |
| Size                         | 6.5 x 4.5 x 16.2 in<br>(165x 115 x 410mm) | 6.5 x 4.5 x 16.2 in<br>(165x 115 x 410mm) | 6.5 x 4.5 x 32.1 in<br>(165x 115 x 815mm) |
| Weight                       | 6.1lbs<br>(2.75 kg)                       | 11 lbs<br>(5 kg)                          | 15.4 lbs<br>(7 kg)                        |
| Directivity                  | 120 x 40°                                 | 120 x 40°                                 | 120 x 40°                                 |



# Public Address Speakers

## TECHNICAL SPECIFICATIONS

### Cabinet Speakers

#### KAS5506MSW/KAS5510MSW

- 2-way cabinet speaker
- Carefully designed to satisfy the most critical eye
- ABS molded housing
- Suitable for both speech and music applications
- Power output selector  
6, 3 or 1.5W (KAS5506MSW)  
10, 5 or 2.5W (KAS5510MSW)
- Splash waterproof IPx5 (Optional)
- KAS5506MSC, KAS5510MSC: ivory color



#### KAS5530MLB/KAS5530MLW

- 2-way wall speaker
- 6" [13cm] speaker and tweeter
- Power output selector on back panel: 30 or 5W and 8 ohm
- Hanging bracket included for easy installation
- KAS5530MLB: black color
- KAS5530MLW: white color
- Swivel mount brackets available
- IP66
- ABS resin enclosure



#### KAS5515MSW/KAS5520MSW

- 2-way cabinet speaker
- Carefully designed to satisfy the most critical eye
- ABS molded housing
- Suitable for both speech and music applications
- Power output selector  
15, 7.5 or 3.75W (KAS5515MSW)  
(20, 10 or 5W (KAS5520MSW)
- Splash waterproof IPx5 (Optional)
- KAS5515MSC, KAS5520MSC: ivory color

#### KAS5415MSB/KAS5415MSW

- Cabinet speaker for internal use
- Power output selector on rear panel: 20, 15, 10, 5 or 2.5W and 8 Ohms
- Stainless steel hanging bracket for easy installation
- KAS5415MSB: black
- KAS5414MSW: white
- Swivel mount brackets available



|                              | KAS5506MSW/KAS5510MSW                    | KAS5515MSW/KAS5520MSW                    | KAS5530MLB/MLW                           | KAS5415MSB/MSW                           |
|------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Power (Watt RMS)             | 6/10                                     | 15/20                                    | 30                                       | 15                                       |
| Frequency Response           | 90-20,000Hz                              | 90-20,000Hz                              | 80-20,000Hz                              | 100-20,000Hz                             |
| Sensitivity (1 W/1 m)        | 90 dB                                    | 91 dB                                    | 92 dB                                    | 88 dB                                    |
| Woofer<br>(woofer + tweeter) | 5 in<br>(13cm + tweeter)                 | 5 in<br>(13cm+ 2 tweeter)                | 6 in<br>(16cm+ 2 tweeter)                | 5 in<br>(13cm)                           |
| Size                         | 8.6 x 3.3 x 11.2 in<br>(220x 85 x 285mm) | 8.6 x 3.3 x 11.2 in<br>(220x 85 x 285mm) | 11.8 x 7.1x 8.3 in<br>(300x 180 x 210mm) | 8.3 x 5.2 x 4.9 in<br>(210x 132 x 125mm) |
| Weight                       | 3.5 lbs<br>(1.5 kg)                      | 4.52 lbs<br>(2.05 kg)                    | 6 lbs<br>(7.7 kg)                        | 3.7 lbs<br>(1.65 kg)                     |
| Directivity                  | 160°                                     | 160°                                     | 120°                                     | 110°                                     |

# Public Address Speakers

## TECHNICAL SPECIFICATIONS

### Ceiling Speakers



#### KAS1106MDW (6W)

- Ceiling speaker with spring catch system for easy installation
- White metal screen
- 4" speaker
- Spot light size
- Power taps: 6W, 3W, 1.5W, 8ohms
- Sensitivity: 85dB
- Cutting hole: 92mm



#### KAS1206MDW (6W)

- Ceiling speaker for easy installation with spring catch system
- White metal screen
- For mounting in 7.9" (200mm) holes
- Power output: 6, 3 or 1.5W
- Spring catches eliminate the need to support speaker while connecting wires
- 6" speaker
- Sensitivity: 93dB



#### KAS1310MDW (10W)

- Ceiling speaker with spring latch system for easy installation
- White metal screen
- For mounting in 230mm holes
- Power taps: 10W, 5W, 2.5W



#### KAS1406MDW/KAS1410MDW/KAS1420MDW

- New economic series
- For false ceiling installations
- For wall mounted and flush ceiling installations  
an extra mount KAR3054 can be added
- Different colors are available
- Power taps: 6W, 3W, 1.5W (KAS1406MDW)
- Power taps: 10W, 5W, 2.5W (KAS1410MDW)
- Power taps: 20W, 10W, 5W (KAS1420MDW)



#### KAS1506RDW/KAS1510RDW

- Recessed mount for false and concrete ceiling
- With spring latch system for easy installation
- Power taps: 6W, 3W, 1.5W (KAS1506RDW)
- Power taps: 10W, 5W, 2.5W (KAS1510RDW)
- KAS1506RDW, KAS1510RDW: white color
- KAS1506RDB, KAS1510RDB: black color
- KAS1506RDC, KAS1510RDC: ivory color



#### KAR3154

Back can for KAS1206MDW

Dimensions: 230(Ø)mm x 127(H)mm, (9 x 5 in)

|                       | KAS1106MDW                    | KAS1206MDW                  | KAS1310MDW                   | KAS1406MDW         | KAS1410MDW         | KAS1420MDW         | KAS1506RDW<br>/KAS1510RDW     |
|-----------------------|-------------------------------|-----------------------------|------------------------------|--------------------|--------------------|--------------------|-------------------------------|
| Power (Watt RMS)      | 6                             | 6                           | 10                           | 6                  | 10                 | 20                 | 6/10                          |
| Frequency Response    | 120-20,000Hz                  | 100-20,000Hz                | 70-20,000Hz                  | 80-20,000Hz        | 80-20,000Hz        | 80-20,000Hz        | 80-20,000Hz                   |
| Sensitivity (1 W/1 m) | 85 dB                         | 93 dB                       | 92 dB                        | 92 dB              | 93 dB              | 93 dB              | 91 dB                         |
| Woofer                | 4 in<br>(10cm)                | 6 in<br>(15.3 cm)           | 10 in<br>(25.4 cm)           | 6 in<br>(15.3 cm)  | 6 in<br>(15.3 cm)  | 6 in<br>(15.3 cm)  | 3 in<br>(7.6 cm)              |
| Size                  | 4 x 3.75 in<br>(100 x 95.5mm) | 9 x 4.3 in<br>(230 x 110mm) | 10.6 x 5 in<br>(270 x 127mm) | 8.8 in<br>(225 mm) | 8.8 in<br>(225 mm) | 8.8 in<br>(225 mm) | 5.3 x 4.3 in<br>(135 x 110mm) |

# Public Address Speakers

## TECHNICAL SPECIFICATIONS

### Sphere Speakers



#### KAS7212MLWE

- Designed to be suspended from a ceiling by their 5 meter connecting cable
- High impact ABS cabinets, white color
- Splash water proofed IPX5
- Self extinguishing

#### KAS7230MLW

- Designed to be suspended from a ceiling by their 5 meter connecting cable
- High impact ABS cabinets, white color
- Splash water proofed IPX5
- Self extinguishing

|                       | KAS7212MLWE                  | KAS7230MLW                      |
|-----------------------|------------------------------|---------------------------------|
| Power (Watt RMS)      | 12                           | 30                              |
| Frequency Response    | 100-20,000Hz                 | 100-20,000Hz                    |
| Sensitivity (1 W/1 m) | 90 dB                        | 91 dB                           |
| Woofer                | ø 260mm, (10 in)             | ø 260mm, (10 in)                |
| Size                  | ø 260mm (10.2 in)            | ø 260mm (10.2 in)               |
| Weight                | 1.8 kg                       | 2.25 kg                         |
| Power Taps            | 12W, 9W, 6W, 3W, 1W<br>8 ohm | 30W, 20W, 15W, 10W, 5W<br>8 ohm |

Conversion: 1" = 25.4mm  
Measurement conversions are approximate

*Design and specifications subject to change without notice.*

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