

**SPEAKERS**

Surface Mount Speaker

**BS410 : 4" 10W 100V Line**



It is constructed with high quality ABS plastic with 4" dual cone speaker driver and multi tapping matching transformer of 1 / 3 / 6 and 10W 100 V line. Suitable for wall and ceiling installation with optional tilt mounting bracket. Available in white colour.

Surface Mount Speaker

**DV410 : 4" 6W 100V Line**



A classic yet favourite model which is suitable for installations in small enclosed areas such as staircase, office, etc. Available in white colour with multi tap matching transformer of 1 / 3/ and 6 W 100V line, fit for vertical or horizontal installations.

Column Speaker

**CH720 : 20W 100V Line**

**CH730 : 30W 100V Line**

**CH730 : 40W 100V Line**



Built ruggedly with aluminum die cast housing and available in 3 power rating of 20 / 30 and 40W 100V line with half or full power tapping. Suitable for classrooms, hyper markets, mosques, etc.

**TECHNICAL SPECIFICATIONS**

	BS410	DV410	CH720	CH730	CH740
<b>SPEAKER</b>					
Power rating	10W 100V	6W 100V	20W 100V	30W 100V	40W 100V
Diameter	4"		2 x 4"	3 x 4"	4 x 4"
Cone type	Dual cone		Dual cone		
Impedance	8 Ohm		8 Ohm		
Freq response ( +/- 5dB )	100 ~ 16 KHz	100 ~ 18 KHz	85 ~ 15 KHz	80 ~ 15 KHz	75 ~ 15 KHz
SPL @ 1W / m ( +/- 3dB )1KHz	92 dB	90 dB	91 dB	93 dB	95 dB
Magnet weight	7.5 oz	3.0 oz	7.5 oz		
<b>TRANSFORMER</b>					
Tapping ( 100V line )	1 / 3 / 6 / 10W	1 / 3 / 6W	10 / 20W	15 / 30W	20 / 40W
Primary impedance ( Ohm )	10K / 3.3K / 1.6K / 1K	10K / 3.3K / 1.6K	1K / 500 Ohm	660 / 330 Ohm	500 / 230 Ohm
Secondary impedance	8 Ohm		8 Ohm		
<b>MECHANICAL</b>					
Grille / enclosure	ABS with metal grille		Aluminum / metal grille		
Overall size ( W x L x H ) mm	185 x 215 x 90	220 x 190 x 100	400 x 100 x 145	495 x 100 x 145	605 x 100 x 145
Weight	1.1 kg	750 g	3.2 kg	3.7 kg	4.6 kg
Colour	White		Dark grey / front black grille		

BS410  
Carton 550 (W) X 215 (H) X 420 (D) mm  
Weight 14.5 kg  
Qty 12 ut per carton

CH720  
Carton 510 (W) X 363 (H) X 300 (D) mm  
Weight 7.8 kg  
Qty 2 ut per carton

CH740  
Carton 802 (W) X 563 (H) X 389 (D) mm  
Weight 11.0 kg  
Qty 2 ut per carton

DV410  
Carton 590 (W) X 400 (H) X 303 (D) mm  
Weight 15.4 kg  
Qty 18 ut per carton

CH730  
Carton 683 (W) X 473 (H) X 306 (D) mm  
Weight 9.0 kg  
Qty 2 ut per carton

**Dual Cone Speaker ABS Enclosure**
**CS510** : 5" 6W 100V Line  
**CS610** : 6" 6W 100V Line


Available in 5" and 6" of driver size complete with matching transformer of three tappings ; 1, 3 or 6W. Back enclosure are supplied as integral part of the speakers made from quality ABS plastic. Installation is made easy with its screw mounting mechanism

**Dual Cone Speaker Metal Enclosure**
**CS606** : 6" 6W 100V Line


Available in 6" dual cone speaker with back metal enclosure, grill and baffle and multi tap matching transformer of 1, 3 and 6W 100V line. This model shall be suitable for installations that demand fire resistant version of dome.

**Co-Axial Speaker ABS Enclosure**
**CS620** : 6" 20W 100V Line  
**CS840** : 8" 40W 100V Line


CS620 and 840 meets the requirement of hi fidelity of sound reproduction in areas such as function halls, restaurants and also for sound reinforcement at hall balconies. They are available in 6" and 8" version of speaker driver with tweeter and 100V line matching transformer.

**TECHNICAL SPECIFICATIONS**

	CS510	CS610	CS606	CS620	CS840
<b>SPEAKER</b>					
Power rating	6W 100V line nominal ( max 10W )		6W 100V line nominal	20W 100V	40W 100V
Diameter	5" (125mm)	6" (150mm)	6" (150mm)	6.5" ( 160mm )	8" ( 200mm )
Cone type	Dual cone		Dual cone	Co-axial	
Impedance	8 Ohm		8 Ohm	8 Ohm	
Freq response ( +/- 5dB )	150 ~ 19 KHz	120 ~ 19 KHz	150 ~ 16 KHz	80 ~ 18 KHz	90 ~ 19 KHz
SPL @ 1W / m ( +/- 3dB )1KHz	93 dB	92 dB	91 dB	88 dB	90 dB
Magnet weight	3 oz	5.3 oz	2 oz	10 oz	15 oz
<b>TRANSFORMER</b>					
Tapping ( 100V line )	1 / 3 / 6 W 100V line input		1.5 / 3 / 6 W 100V line input	20W 100V line	40W 100V line
Primary impedance	10K / 3.3K / 1.6K Ohm		6.7 K / 3.3K / 1.6K Ohm	500 Ohm	250 Ohm
Secondary impedance	8 Ohm		8 Ohm	8 Ohm	
<b>MECHANICAL</b>					
Grille / enclosure	White metal / ABS white		White metal	White metal / ABS white	
Cutting hole dim ( mm )	140	175	165	205	240
Overall size ( dia x height ) mm	177 x 130	230 x 102	200 x 100	240 x 145	280 x 145
Weight	715 g	785 g	950 g	2.4 kg	2.9 kg
Colour	Off white		Beige white	Off white	

**packing information**

CS510 : 885 (W) x 363 (H) x 300 (D) mm  
 17.5 kg 20 uts per carton  
 CS610 : 683 (W) x 473 (H) x 360 (D) mm  
 21.6 kg 18 uts per carton

CS606 : 540 (W) x 215 (H) x 420 (D) mm  
 12.5 kg 10 uts per carton

CS840 : 305 (W) x 305 (D) x 175 (H) mm  
 2.6 kg 1 ut per carton  
 CS620 : 265 (W) x 265 (D) x 170 (D) mm  
 3.1 kg 1 ut per carton

**Foreground Music Speaker**

**FS415 :** 4" 10W 100V Line  
**FS630 :** 6" 30W 100V Line



White and black colour available

Available in 4" and 6" of driver size complete with matching transformer and mounting bracket. They are suitable for foreground soft music such as restaurants, shops and general sound reinforcement in meeting room, corridors, etc.

**Foreground Music Speaker**

**FS520 :** 5" 15W 100V Line  
**FS625 :** 6" 25W 100V Line



Only black colour available

These models deliver wider frequency range from bass to treble for satisfying a more demanding audience. Among applications includes bars, restaurants, function halls and could easily complement any sound reinforcement systems.

**Cabinet Array Speaker**

**LA4100 :** 4" 120W 100V Line



Only black colour available

LA4100 is array speaker built with 4" driver delivering a punch of 120W of output with dispersion angle of H120 x V60 degree and high SPL. Most suitable for application like mosques, halls, public areas such as bus stations, airports, etc where speech clarity is utmost important.

**TECHNICAL SPECIFICATIONS**

	FS415	FS630	LA4100	FS520	FS625
<b>SPEAKER</b>					
Power rating	10 W	30 W	120 W 100V	15 W	25 W
Diameter	4" (100mm)	6" (150mm)	4"	5" (125mm)	6" (150mm)
Speaker type	2 way speaker		Single cone	2 way speaker	
Impedance	8 Ohm		2 Ohm	8 Ohm	
Freq response ( +/- 5dB )	95 ~ 16 KHz	85 ~ 19 KHz	130 ~ 18 KHz	85 ~ 16 KHz	80 ~ 15 KHz
SPL @ 1W / m ( +/- 3dB )1KHz	85 dB	88 dB	96 dB	87 dB	89 dB
<b>TRANSFORMER</b>					
Tapping ( 100V line )	10 W	30 W	60 / 120 W	15 W	25 W
Primary impedance	1 K Ohm	330 Ohm	167 / 83 Ohm	667 Ohm	400 Ohm
Secondary impedance	8 Ohm		8 Ohm	8 Ohm	
<b>MECHANICAL</b>					
Grille / enclosure	ABS enclosure		Polypropelyne (PP)	ABS enclosure	
Overall size ( WxHxD ) mm	160 x 220 x 140	215 x 295 x 190	205 x 585 x 195	169 x 266 x 160	212 x 328 x 190
Weight	1.1 kg	2.8 kg	8.9 kg	2.1 kg	3.0 kg
Colour	White and Black available		Black	White and Black available	

**packing information**

FS415 : 415 (W) x 380 (H) x 540 (D) mm  
 9.8 kg 8 uts per carton  
 FS630 : 640 (W) x 415 (H) x 495 (D) mm  
 25.5 kg 8 uts per carton

LA4100 : 485 (W) x 665 (H) x 275 (D) mm  
 21 kg 2 uts per carton

FS520 : 415 (W) x 380 (H) x 540 (D) mm  
 18.7 kg 8 ut per carton  
 FS635 : 640 (W) x 415 (H) x 495 (D) mm  
 26 kg 8 ut per carton

**Horn Speakers with Round Flare**

**HS815** : 8" 15W 100V Line  
**HS830** : 12" 30W 100V Line



Both models are constructed using rounded aluminum flare of 8" ( HS815 ) and 12" ( HS830 ) with multiple power selection via rotary switch. Suitable for schools, mosques, car parks, factories at indoor or under shade installations and that requires omni direction sound broadcast.

**Horn Speaker with Rect. Flare**

**HS820** : 6" x 8" 15W 100V  
**HS822** : 8" x 11" 20W 100V



Constructed with high impact ABS flares of different size to suit installation sites where pattern of broadcast shall be controlled, such as low level carparks, corridors, etc. Suitable for indoor or outdoor sites with IP64 rating.

**Sound Projector**

**SP100** : 10W 100V Line



SP100 is used when a more directional sound projection is required for areas such as at narrow corridors, tunnels, walkways, etc. It has aluminum body with metal grille and available with standard power rating of 10W 100V line. Mounting position can be either at wall or hanged from ceiling.

**TECHNICAL SPECIFICATIONS**

	HS815	HS830	SP100	HS820	HS822
Power rating	15W 100V	30W 100V	10W 100V	15W 100V	20W 100V
Power tapping ( W )	1 / 3 / 5 / 10 / 15	3 / 5 / 10 / 15 / 30	Fixed	3 / 7.5 / 10 / 15 W	3 / 7.5 / 10 / 20 W
Impedance ( Ohm )	670	330	1 K Ohm	3.3 K	3.3 K
	1 K	670	-	1.3 K	1.3 K
	2 K	1 K	-	1 K	1 K
	3.3 K	2 K	-	670 Ohm	500 Ohm
	10 K	3.3 K	-		
Frequency response ( +/-5 dB )	350 ~ 7 KHz	300 ~ 10 KHz	180 ~ 15 KHz	250 ~ 8 KHz	300 ~ 8 KHz
SPL ( 1 W/m @ 1KHz )	103 dB	105 dB	88 dB	105 dB	107 dB
Flare material	Aluminum		Aluminum body	ABS	
Flare dimension	8" round	12" round	-	160 x 220 mm	205 x 280 mm
Overall size ( Dia x L ) mm	210 x 240	310 x 325	140 x 195	L : 240 mm	L : 280 mm
Weight	1.55 kg	1.85 kg	2 kg	1.5 kg	1.9 kg
Colour	Beige		White	White	

**packing information**

HS815 : 695 (W) x 480 (H) x 520 (D) mm  
 23 kg 12 uts per carton

HS820 : 510 (W) x 250 (H) x 250 (D) mm  
 10.7 kg 6 uts per carton

SP100 : 75 (W) x 75 (D) x 255 (H) mm  
 2.1 kg 1 uts per box

HS830 : 665 (W) x 665 (H) x 355 (D) mm  
 10.6 kg 4 uts per carton

HS822 : 590 (W) x 300 (H) x 430 (D) mm  
 10.0 kg 4 uts per carton