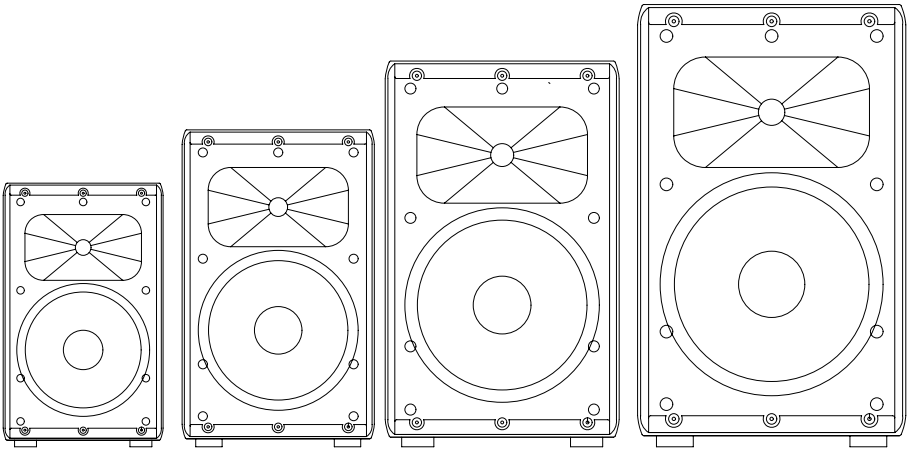


SONODYNE®

SPA 1300 SERIES

SPA 1308/1310/1312/1315

2 way professional speakers | owners manual



MADE IN INDIA
since 1970

SAFETY INSTRUCTIONS • UNPACKING

Congratulations on your purchase of the SPA1300 Series, 2-way Professional speaker with 100V and direct input. It can be used for permanent installation and a variety of other applications.

IMPORTANT SAFETY INSTRUCTIONS

1. Do not place the unit on an unstable surface that may topple and cause the unit to fall, thereby causing injury to the user or other people.
3. Do not place the unit near heat radiating items like stoves, radiator etc.
4. Do not open the unit or attempt to service it yourself. There is no user-serviceable part inside. Refer servicing to qualified service personnel only.
5. Install the unit by following instructions provided by the manufacturer.

UNPACKING

To unpack the unit, open the carton by cutting along the edge of the flaps. Push the flaps wide open. Fold any one flap and tilt the carton on this edge taking care that the flap stays open. Gently turn the carton upside down so that all the 4 flaps stay open and spread out, and the unit comes to rest on the EPE buffer. You may need someone to help you with this. Next lift the carton from the unit. Remove the EPE buffer on the bottom of the unit, facing you.

Carefully lift the unit from the EPE buffer on which it is resting, remove the protective cover and place it in its intended location.

MOUNTING

The SPA 1300 Series can be flown, mounted on tripods, or fixed to wall with optional wall mounting bracket. For flying, the SPA 1308P is equipped with 5 x M8 hanging points – 2 on the top, 2 on the bottom and 1 at the back. The other models SPA 1310P, SPA 1312P, SPA 1315P have 6 x M8 hanging points – 3 on the top, 2 on the bottom and 1 at the back.

For tripod mounting, there is a twin 35mm dia pole-mount socket on the bottom. Depth of both the sockets is 72mm. The pole near the back end is used when you want the speaker to be at 90° with respect to the pole-mounting surface, while the pole near the front end is meant to be used when you need a 5° tilt. The optional wall mounting bracket can be used to have both the options. Please see figure 1 and 2 below

FIG. 1

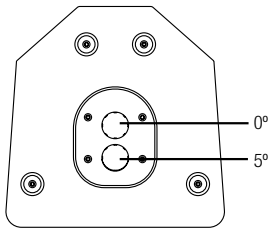
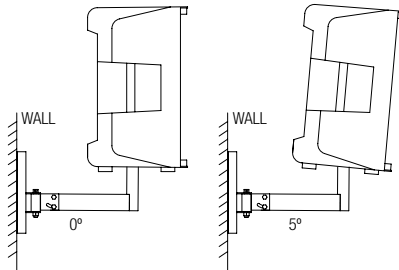


FIG. 2

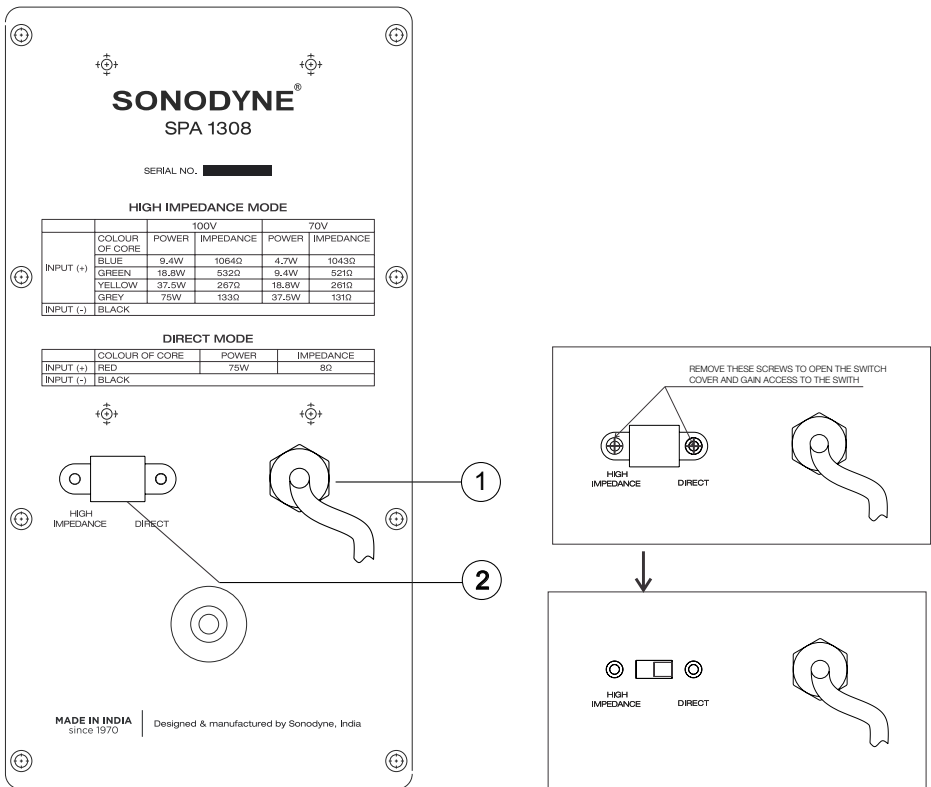


A pair of handles for models SPA1310, SPA1312 and SPA1315 allow the speakers to be lifted. For the SPA 1308, one handle on the top is provided

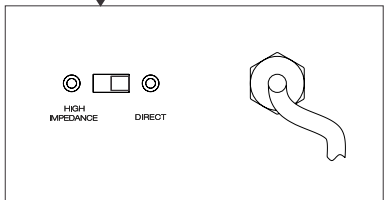
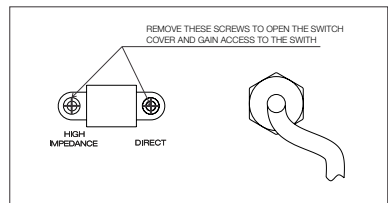
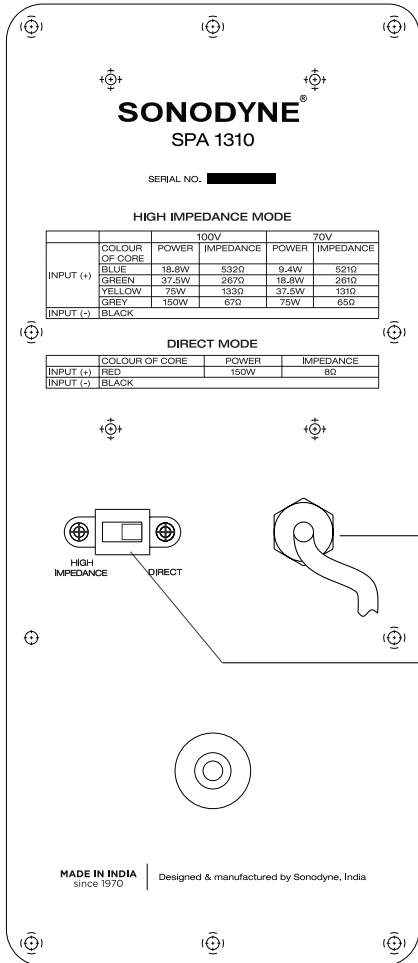
BACK PANEL & OPERATIONS

The back panel consists of the following

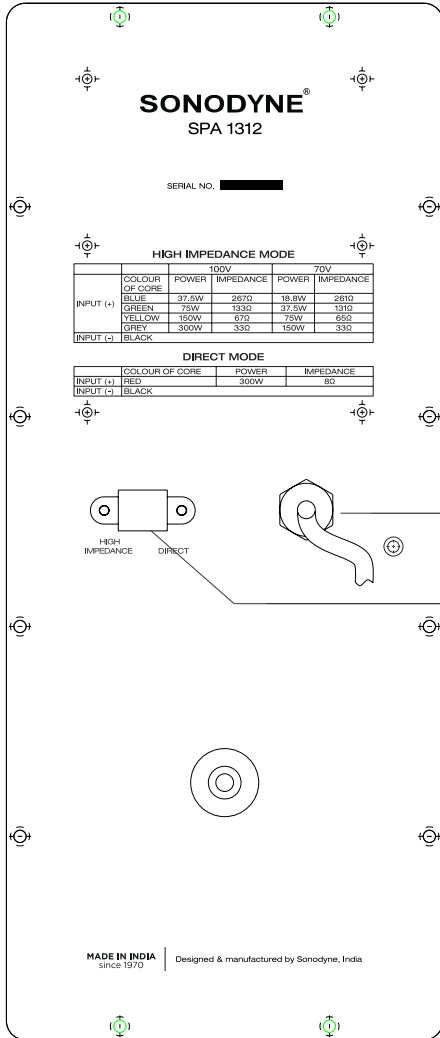
1. Input cable. This is a 6-core 1m long cable terminated in a cable gland. The input cable consists of 6 colour coded wires corresponding to different power taps. For 100V connection, please connect the amplifier output to the required power tap, and common. The wire colour codes for different power taps are printed on the back plate.
2. Impedance selector switch. With the help of this switch you can connect the direct 8Ω output of your amplifier to the speaker by following the wire colour codes for the same. Please move the impedance selector switch to "Direct" position for this. To do this, remove the 2 screws adjacent to the switch markings to open the plastic cover and gain access to the switch, as shown in the figure. By default, the factory setting is "High Impedance" or 100V mode.



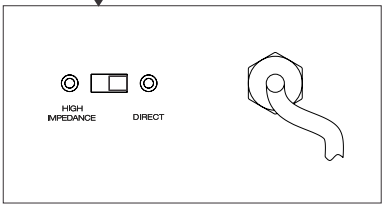
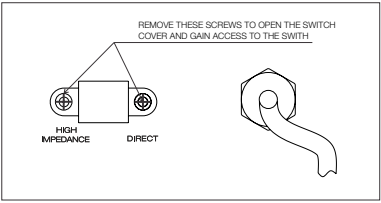
BACK PANEL & OPERATIONS



BACK PANEL & OPERATIONS



- 1
- 2



SPECIFICATIONS

	SPA 1308	SPA 1310	SPA 1312	SPA 1315
DESCRIPTION	Passive 2 way speaker system, weatherised	Passive 2 way speaker system, weatherised	Passive 2 way speaker system, weatherised	Passive 2 way speaker system, weatherised
TRANSDUCERS	HF: 1 x 1" throat compression driver, 1.35" VC LF: 1 x 8" woofer, 150W AES, 1.5" VC	HF: 1 x 1" throat compression driver, 1.35" VC LF: 1 x 10" woofer, 250W AES, 2.5" VC	HF: 1 x 1" throat compression driver, 1.75" VC LF: 1 x 12" woofer, 300W AES, 2.5" VC	HF: 1 x 1" throat compression driver, 1.75" VC LF: 1 x 15" woofer, 400W AES, 3" VC
CABINET MATERIAL	Industrial grade PP, Black	Industrial grade PP, Black	Industrial grade PP, Black	Industrial grade PP, Black
FORM FACTOR	Trapezoidal, can be used as stage monitor	Trapezoidal, can be used as stage monitor	Trapezoidal, can be used as stage monitor	Trapezoidal, can be used as stage monitor
ACOUSTIC FREQ. RANGE (-10dB)	60Hz ~ 18kHz	55Hz ~ 18kHz	50Hz ~ 18kHz	50Hz ~ 18kHz
ACOUSTIC FREQ. RESPONSE (-3dB)	70Hz ~ 17kHz	65Hz ~ 17kHz	60Hz ~ 17kHz	60Hz ~ 17kHz
MAX SPL CONT. (HALF SPACE)	Continuous: 117dB Peak: 123dB	Continuous: 120dB Peak: 126dB	Continuous: 122dB Peak: 128dB	Continuous: 125dB Peak: 131dB
DIRECTIVITY	90° H x 50° V	90° H x 50° V	90° H x 50° V	90° H x 50° V
POWER	Continuous: 200W Program: 400W Peak: 800W	Continuous: 300W Program: 600W Peak: 1200W	Continuous: 400W Program: 800W Peak: 1600W	Continuous: 500W Program: 1000W Peak: 2000W
CROSSOVER FREQ.	2.5kHz	2.0kHz	1.5kHz	1.4kHz
POWER TAPS	100V: 80W, 40W, 20W, 10W 70V: 40W, 20W, 10W, 5W	100V: 150W, 75W, 37.5W, 18.8W 70V: 75W, 37.5W, 18.8W, 9.4W	100V: 300W, 150W, 75W, 37.5W 70V: 150W, 75W, 37.5W, 18.8W	100V: 300W, 150W, 75W, 37.5W 70V: 150W, 75W, 37.5W, 18.8W
INPUTS	Twist - lock connector	Twist - lock connector	Twist - lock connector	Twist - lock connector
WEATHERISED RATING	IP44	IP44	IP44	IP44
MOUNTING	3 x M8 inserts on top, 2 x M8 inserts on bottom and 1 x M8 insert at back, for flying Twin 35 mm pole mounting 4 x plastic legs	3 x M8 inserts on top, 2 x M8 inserts on bottom and 1 x M8 insert at back, for flying Twin 35 mm pole mounting 4 x plastic legs	3 x M8 inserts on top, 2 x M8 inserts on bottom and 1 x M8 insert at back, for flying Twin 35 mm pole mounting 4 x plastic legs	3 x M8 inserts on top, 2 x M8 inserts on bottom and 1 x M8 insert at back, for flying Twin 35 mm pole mounting 4 x plastic legs
COLOUR	Black	Black	Black	Black
PRODUCT DIMENSION HxWxD	420 x 250 x 255 mm	500 x 305 x 310 mm	610 x 360 x 350 mm	700 x 445 x 375 mm
SHIPPING DIMENSION HxWxD	490 x 326 x 326 mm	576 x 370 x 365 mm	682 x 410 x 415 mm	788 x 452 x 512 mm
NET WEIGHT	9.6kg	12.8kg	17.9kg	21.8kg
GROSS WEIGHT	11kg	14.46kg	20kg	24.7kg

NOTE: Due to continuous improvements, all specifications are subject to change

Register your product
to activate your warranty:
<https://sonodyne.com/registerproduct>




Upload a picture or video of your Sonodyne
product or write about your Sonodyne
experience.
<https://sonodyne.com/review>

If you have anything less than a 5 star experience,
please contact us at response@sonodyne.com
and we will make it right

SONODYNE[®]

SONODYNE, India • H.O.: 98 NB Block E New Alipore, Kolkata 700053

 sonodyneofficial

 1 800 31 31 035

 +91 9830855260

 response@sonodyne.com

 sonodyneofficial

 www.sonodyne.com