⊿ Prestel

Full range stereo sound bar
SSB-250 SSB-300

Features

- Slim and elegant design with aluminum alloy case.
- Horizontal installation design that is readily adaptable to mount upon the blackboard in classrooms and below the display screen in meeting rooms. It just needs one speaker to cover whole room because of the wide horizontal coverage angle, Horizontal diffusion Angle: 120°
- These have smoothed frequency response and full range music performance without the need to match a extra sub-woofer speaker. .
- Built-in 6X40W class-D amplifiers delivers plenty of clarity and punch while the inclusion of the DSP (featuring limiter, equalizer, compressor and crossover functions each channel) provides fine tuning from the compact bar.
- Built in preamplifier module, included 1 stereo RCA AUX input and 1 1/4"TRS line input for wireless microphone receiver, 1 set RCA pre out and pre input. 1 stereo RCA FAR IN port which is designed for connection of network conference terminal, 1 Rj45 control port for remote control panel connection that including Rs485 and DC24V power supply output.
- 3 presetting equalization modes can be selected to conform with using sites.
- Wall-mount installation brackets are included.

SSB-300

- 1800mm long, 91mm width.
- Wide frequency response from 70Hz to 20kHz.
- 4X3" neodymium magnets LF drivers,
  2x3" neodymium magnetic MF cone drivers,
  one 25.4mm Coil, titanium film, neodymium magnets HF compress driver.

SSB-250

- 1170mm long, 91mm width.
- Wide frequency response from 85Hz to 19Hz,
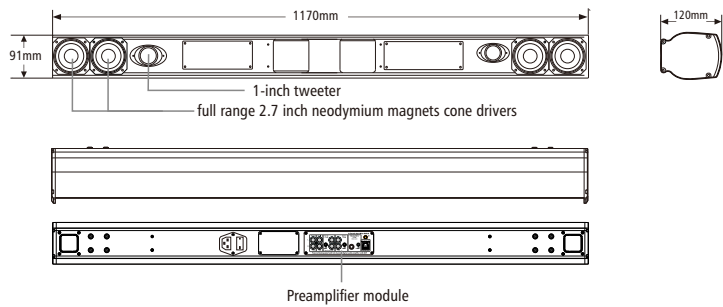- 4X2.7" neodymium magnets full range drivers, 2x1" tweeters.
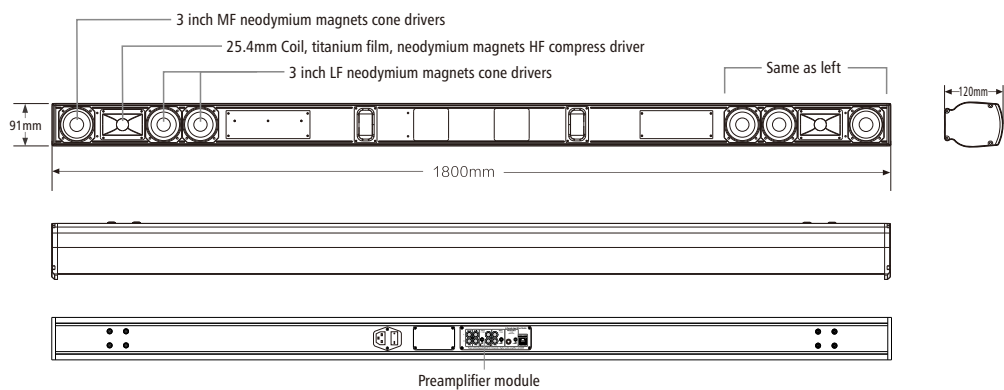
SSB-300

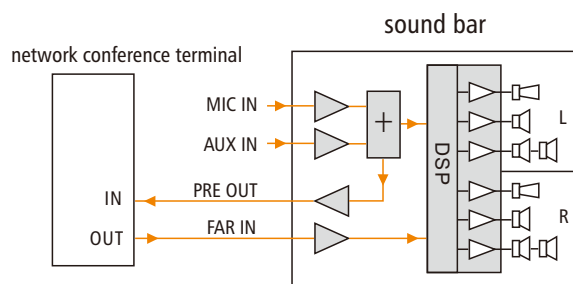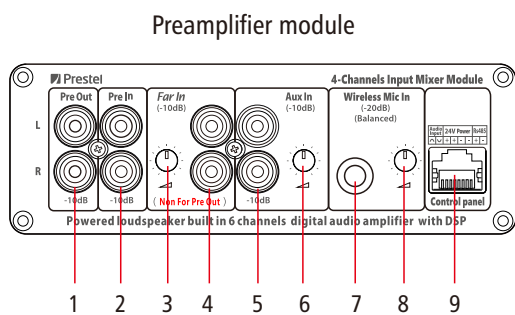SSB-250

Parts and Dimensions

SSB-250

1170mm

91mm

120mm

1-inch tweeter
full range 2.7 inch neodymium magnets cone drivers

Preamplifier module

SSB-300

3 inch MF neodymium magnets cone drivers
25.4mm Coil, titanium film, neodymium magnets HF compress driver
3 inch LF neodymium magnets cone drivers
Same as left

91mm

120mm

1800mm

Preamplifier module

Connection

Preamplifier module

sound bar

network conference terminal

| Prestel | 4-Channels Input Mixer Module |

Pre Out · Pre In · Far In (-10dB) · Aux In (-10dB) · Wireless Mic In (-20dB) (Balanced)

L · R · -10dB · -10dB · (Non For Pre Out) · -10dB · Control panel

Powered loudspeaker built in 6 channels digital audio amplifier with DSP

1 2 3 4 5 6 7 8 9
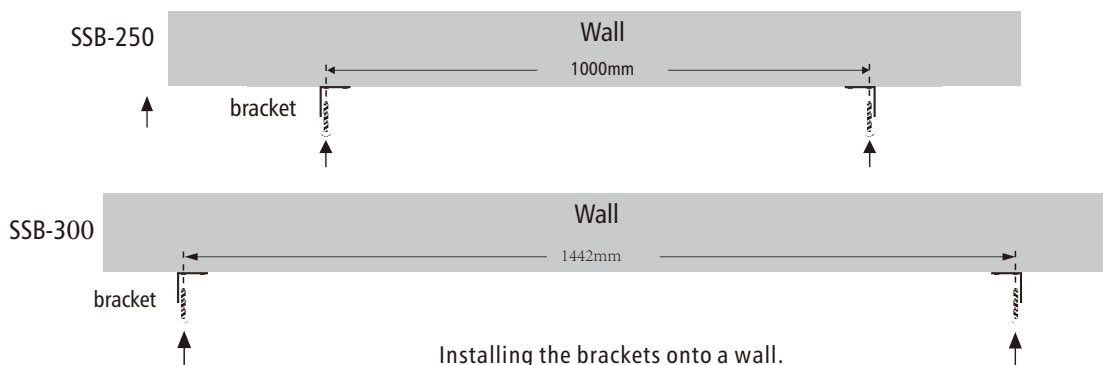
MIC IN
AUX IN
PRE OUT
FAR IN

IN
OUT

DSP

L

R

1. Pre Out

   Pre line stereo outputs serve as record outputs, these outputs are pre the speaker volume control. they can be used as local signal connected to the inputs of network video conference terminal .

2. Pre in

   Stereo line signal inputs that insert to the line bus, can be connected to external mixer output or for cascade connection inputs;

3. Far terminal input volume control knob

4. Far terminal stereo RCA inputs

   The inputs are designed to connect to a network video conference terminal. The input signal is only sent into the inner power amplifier for driving speakers, not mixed into the Pre Out channel that input to conference terminal, in this way, blocks the far

   terminal sound feedback by network and eliminates the echo of network audio. (see above: signal path diagram)

5. Stereo RCA Aux inputs

6. Aux input volume control knob

7. Wireless Mic In

   Wireless microphone 1/4" TRS input connected to professional wireless microphone receiver.

8. Volume control knob of wireless microphone in

9. Control port

   RJ-45 port, including DC24V power supply output, RS485, and 1ch balanced audio input, is used to connect to control panel or other control device.
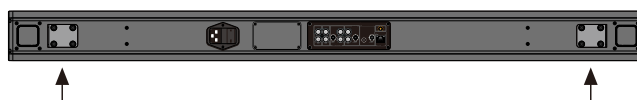
Installation

Mounting brackets
JB-87   x4   x8   x8   x4   x4

1. Installing the mounting brackets

SSB-250

Wall

1000mm

bracket

SSB-300

Wall

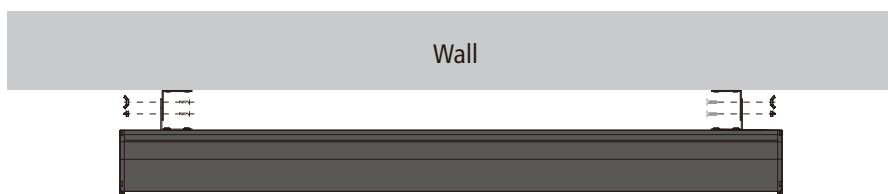1442mm

bracket

Installing the brackets onto a wall.

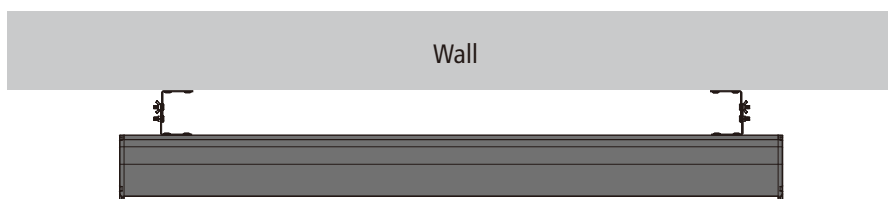## 2. Attaching the brackets to the speaker

Attach the remaining part of the bracket directly to the sound bar enclosure,
tighten the brackets to the speaker.

3. Attaching the sound bar to the wall piece

Wall

Attach the sound bar to the wall piece, user can adjust the distance from the wall and rotate
the speakers into the desired position by choosing the suitable mounting hole.

Wall

Tighten the screws to secure the speaker in its final position.

Specifications

Model	SSB-250	SSB-300
System	Self-powerd full range sound bar	Self-powerd full range sound bar
Frequency range	70Hz-20KHz	65Hz-20KHz
Frequency response	75Hz-19KHz	85Hz-19KHz
Maximum SPL (1 m)	106 dB SPL	108dB SPL
Horizontal coverage	120°	100°
Vertical coverage	100°	70°
Crossover	Electronic, 2kHz	Electronic 3-way
Transducers	4 full range 2.7 inch Neodymium magnetic cone drivers 2x1-inch tweeters	4xLF 3-inch Neodymium magnetic cone drivers 2xMF 3-inch Neodymium magnetic cone drivers 2x1-inch coil HF compress driver with horn
Electronic Performance		
Amplifier output	40W (Rated@4ohm) per channel, 6 channels	40W (Rated@4ohm) per channel, 6 channels
Amplifier type	Class D	Class D
Analog Audio	1 stereo RCA AUX input, 1 1/4" TRS line input 1 set RCA pre out and pre input, 1 stereo RCA FAR IN port	1 stereo RCA AUX input, 1 1/4" TRS line input 1 set RCA pre out and pre input, 1 stereo RCA FAR IN port
Control port	1 Rz45 port, with Rs485 and 24Vdc power out	1 Rz45 port, with Rs485 and 24Vdc power out
AC mains	AC170~260V, 1IEC port	AC170~260V, 1IEC port
Power consumption	10W (idle), AC240V	10W (idle), AC240V
Mechanical performance		
Enclosure	Aluminum alloy case	Aluminum alloy case
Grill	power-coated perforated steel	power-coated perforated steel
Color	black, white	black, white
Dimensions (HxWxD) mm	1170x91x120	1800x91x120
Weight	4.8kg	6.0 kg
Mounting	Adjustable brackets included for mounting on walls or columns	Adjustable brackets included for mounting on walls or columns