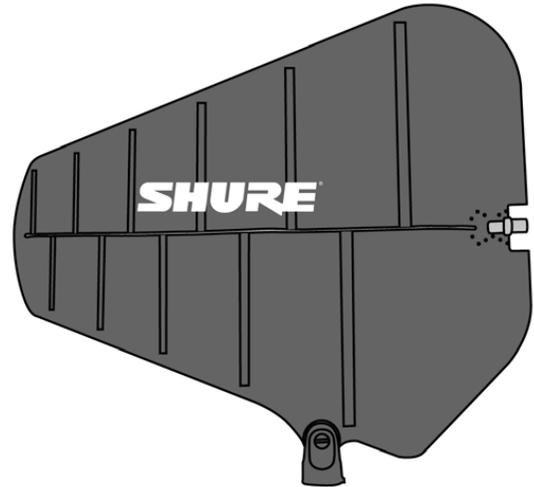


## General Description

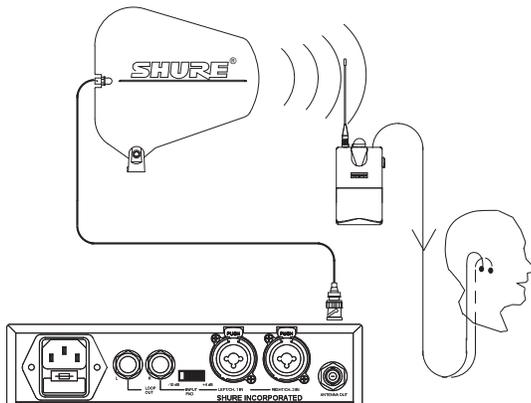
The Shure PA805 is a directional antenna for increased range and reduced interference as compared to omnidirectional 1/2-wave antennas.

The PA805 can be mounted on a microphone stand or mounted to a wall using the integral swivel adapter bracket.



## Installation Instructions

1. Determine the length of cable required to connect the PA805 Antenna to the Wireless Transmitter or Antenna Combiner. Use only as long a cable as necessary, because there is more power loss with longer cables. Always use low-loss 50 ohm cable, such as RG8X/U or equivalent.
2. Use antenna cable to connect the antenna to the ANTENNA OUT of the Wireless Transmitter or Antenna Combiner.
3. Mount the antenna so that it points toward the intended coverage area.



**Note:** Using too many transmission antennas in one installation can reduce performance. To combine PSM antennas, use a PA821 Antenna Combiner.

### Selecting Antenna Cables

Use 50 ohm low-loss coaxial cable, such as RG-8U. Shure offers pre-terminated antenna cables ranging from 6 to 100 feet.

**NOTE:** When ordering cables from Shure, select the low-loss "Z" models (available for longer cables) when using frequency bands above 1000 MHz.

### Cable Maintenance

To maintain top performance for antenna cables:

- Avoid sharp bends or kinks in the cables.
- Do not deform cables with makeshift clamps, such as bending a nail over the cable.
- Do not use in permanent outdoor installations.
- Do not expose to extreme moisture.

## Antenna Placement

Use the following guidelines when mounting antennas:

- Antennas and receivers must be from the same band.
- Mount antennas at least one wavelength (two feet) apart.
- Position antennas so there is nothing obstructing a line of sight to the transmitter (including the audience).

- Keep antennas away from metal objects.

**Important:** Always perform a "walk around" test to verify coverage before using a wireless system during a speech or performance. Experiment with antenna placement to find the optimum location. If necessary, mark "trouble spots" and ask presenters or performers to avoid those areas.

## Find More Information Online

For more information, visit <http://www.shure.com>

## Specifications

### Frequency Range

PA805SWB	470–952
PA805X	650–1100
PA805Z	1240–1930

### Dimensions

H x W x D

PA805SWB	334 x 378 x 27 mm (13.15 x 14.88 x 1.10 in.)
PA805X	226 x 234 x 27.9 mm (8.90 x 9.21 x 1.10 in.)
PA805Z	226 x 234 x 27.9 mm (8.90 x 9.21 x 1.10 in.)

### Net Weight

PA805SWB	11.3 oz. (319 g) with mounting accessories
PA805X	8 oz. (227 g)
PA805Z	8 oz. (227 g)

### Antenna Gain

PA805	6 dBi typical
PA805SWB	6.5 dBi typical
PA805X	6 dBi typical
PA805Z	6dBi typical
3 dB Beam Width	100 degrees

### Radiation Pattern

Directional; Cardioid

### Connector

50 Ω, Female, BNC-type

### Stand Adapter

5/8-27 thread mount

## Certifications

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

The CE Declaration of Conformity can be obtained from:  
[www.shure.com/europe/compliance](http://www.shure.com/europe/compliance)

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