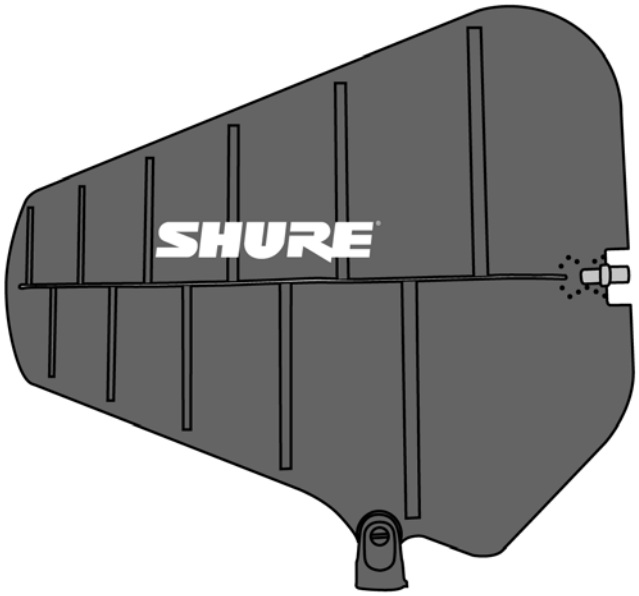
Model PA805 User Guide

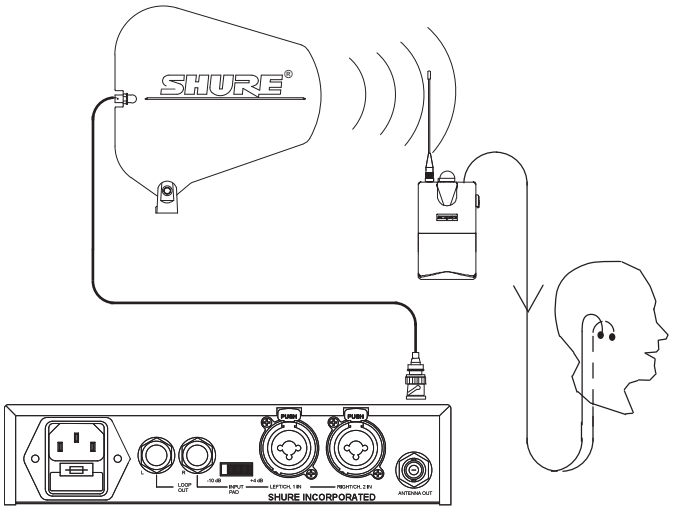


SHURE PA805 DIRECTIONAL ANTENNA

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.

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



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.

   IMPORTANT: *Always use low-loss 50 ohm cable, such as RG-8X or equivalent. Shure UA825 7.6 m (25 ft.) or UA850 15.2 m (50 ft.) cables are recommended.*

2. Connect one end of the antenna cable to the PA805. Then mount the antenna so that it points toward the intended coverage area.

3. Connect the other end of the antenna cable to the **ANTENNA OUT** of the Wireless Transmitter or Antenna Combiner.

   NOTE*: 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 for the PA805.*

CABLE SELECTION

Cable	*Length*	*Type*	*Loss at 650 MHz*
PA725	3.0 m (10 ft)	RG-58/U	1.4 dB
UA825	7.6 m (25 ft)	RG-8/X	2.8 dB
UA850	15.2 m (50ft)	RG-8/X	5.6 dB

NOTE: *For additional technical assistance, call the Shure Customer Service Department.*

SPECIFICATIONS

Model	*RF Frequency Range (MHz)*	*Dimensions* (with mounting accessories)	*Net Weight (without cable)*
PA805SWB	470-952	334 mm H 378 mm W 27.9 mm D (13.15 in. H 14.88 in. W 1.10 in. D)	11.3 oz (319 grams) with mounting accessories
PA805X	944-952	226 mm H 234 mm W 27,9 mm D (8.90 in. H 9.21 in. W 1.10 D in.)	8 oz. (227 grams)

Antenna Gain
PA805X = 6dBi Typical
PA805SWB = 6.5dBi Typical
3 dB Beam Width: 100 degrees

Radiation Pattern
Directional; Cardioid

Connector
50 W, Female, BNC-type

Swivel Adapter
Positive-action, break resistant, adjustable from 0 to 90 degrees, with standard 5/8 in. -27 thread

OPTIONAL ACCESSORIES

7.6 m (25ft) Antenna Extension Cable UA825
15.2 m (50ft) Antenna Extension Cable UA850
PSM Antenna Combiner..... PA821

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