

General Description

The Shure UA860 is a passive wide band UHF omnidirectional antenna. The UA860 is weather resistant and suitable for temporary outdoor use. However, long-term exposure to moisture should be avoided.

- Omnidirectional dipole reception pattern
- Includes stand adapter, thread adapter, a 61cm (2ft) coaxial antenna cable, and a 7.6m (25ft) coaxial antenna cable

Features

- Greatly improves reception of wireless signal

Installation

- Connect the antenna to the receiver or distribution system using Shure antenna cables (or any 50 ohm, low-loss coaxial cable, such as RG-8U).
- For cable runs exceeding 25 feet (7.6 meters), an in-line amplifier (Shure UA830) may be required to compensate for signal loss.

- Do not use in permanent outdoor installations.
- Do not expose to extreme moisture.

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.

Selecting Antenna Cables

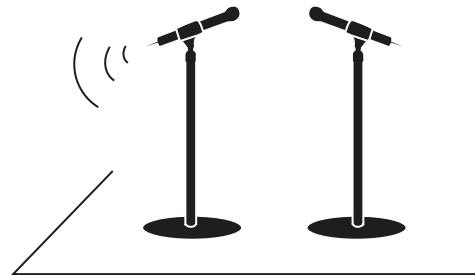
Use 50 ohm low-loss coaxial cable, such as RG-8U. Shure offers pre-terminated antenna cables ranging from 6 to 100 feet.

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

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.

Specifications

RF Frequency Range

470 to 1100 MHz

Voltage Standing Wave Ratio (VSWR)

< 2:1 referenced to 50 Ω

Reception Pattern

Omnidirectional dipole

Connector

Female, BNC

Stand Adapter

Break resistant, with standard (UNS) 5/8 in.-27 thread

Dimensions

284 mm H x 39 mm dia.(11-3/16 X 1-9/16 in.)

Net Weight

without cable

275 g (9.72 oz.)

Accessories

Furnished Accessories

2 ft. BNC-BNC Coaxial Cable	UA802
25 ft. BNC-BNC Coaxial Cable	UA825
Wireless Microphone Clip	WA371
5/8" to 3/8" Thread Adapter	31A1856