General Description
The Shure UA860V is a passive, ground-reference omnidirectional VHF antenna for use with VHF wireless systems.

Features
- Greatly improves reception of wireless signal
- Omnidirectional dipole reception pattern
- Integrated microphone stand adapter
- Includes UA8-174-216 antenna, thread adapter, and a 3m (10ft) coaxial antenna cable

Installation
- Choose a location for installing the antenna that follows the proper guidelines for cabling and antenna placement.
- Connect the provided UA8 antenna to the top plate of the UA860V.
- Connect the UA860V to the receiver or antenna distribution system.
- Mount the UA860V to a microphone stand. For best performance, keep the antenna upright and the grounding plate horizontal.

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.

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

Antenna Placement
Use the following guidelines when mounting antennas:
- Receivers, amplifiers, and other accessories must be rated for use within the same frequency range as the antenna.
- Mount antennas at least one wavelength (1.75 m) apart.
- Keep antennas away from metal objects.
- Position antennas so there is nothing obstructing a line of sight to the transmitter (including the audience).
- Place antennas as close as possible to transmitter, such as to the side of the stage (instead of a front of house location).
- For cable runs exceeding 50 feet (15 meters), an in-line amplifier (Shure UA834) might be necessary to compensate for signal loss.

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 these areas.

Find More Information Online
For more information, visit http://www.shure.com
Specifications

RF Frequency Range
174 to 216 MHz

Reception Pattern
Omnidirectional, Dipole

Voltage Standing Wave Ratio (VSWR)
referenced to 50 Ω
<2:1

Connector
Female, BNC

Dimensions
284 mm x 39 mm dia.

Net Weight
without cable
275 g (9.72 oz.)

Accessories

Furnished Accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
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<tbody>
<tr>
<td>10 ft. BNC-BNC Coaxial Cable</td>
<td>PA725</td>
</tr>
<tr>
<td>5/8&quot; to 3/8&quot; Thread Adapter</td>
<td>31A1856</td>
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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

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