
UAPF-X1 -- In-Line Passive RF Filter

General Description

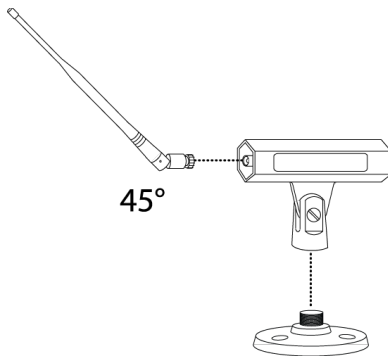
The Shure UAPF-X1 attenuates frequencies outside the X1 band. Use only with Shure X1 band wireless products. Requires remote mounting of antennas.

Features

- **Filters out extraneous RF signals**
- **Integrated threaded adapter mounts easily to microphone stands or the supplied surface-mount bracket**
- **Passively passes power (12Vdc) for use with UA870 active antenna**
- **Shure quality, ruggedness, and reliability**

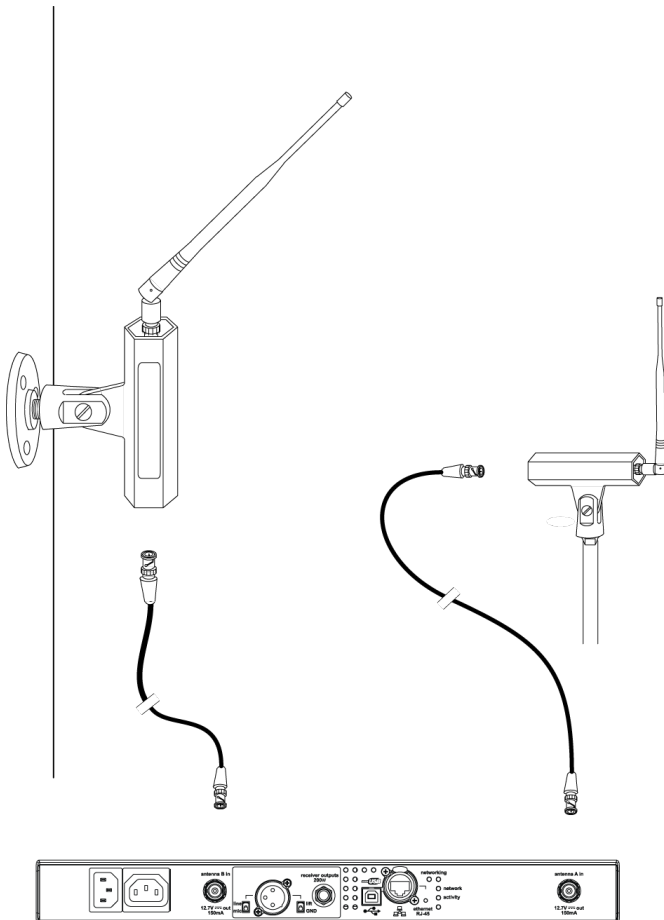
Installation

1. Attach the antenna to either end—the filter functions in both directions.



- Use low-loss coaxial cable (sold separately) to connect to the receiver (or antenna distribution system), as shown.

Note: The UAPF should be placed before any inline amplifier, such as the Shure UA830.



Cable Maintenance

To maintain top performance for UA825, UA850 or UA8100 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.

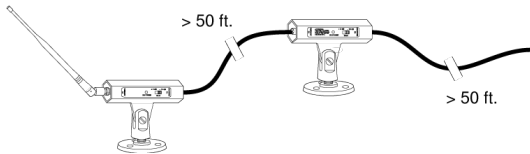
Caution: Use only Shure antenna accessories to ensure the best operation. Do not use splitters, combiners, or antennas that provide a DC ground. If necessary, use a BNC DC block device, such as the JFW Industries Model 50DB-002.

For setup tips and more information on wireless accessories, visit <http://www.shure.com/WirelessAccessoryWizard>

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 large 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

3 dB	36 MHz
20 dB	49 MHz

Stop-Band Attenuation

>30 dB dB (32 to 36 dB, typical)

Insertion Loss

3.25 dB, typical

VSWR in Passband

Input and output: 2.0, typical

Connector

Input and output: Female, BNC-type

Case

Aluminum die-casting, black painted

Dimensions

Without Mounting Stand:	67 mm x 32 mm x 112 mm (H x W x D)
With Mounting Stand:	108 mm x 32 mm x 112 mm (H x W x D)

Net Weight

Without Mounting Stand:	0.28 kg (9.8 oz.)
With Mounting Stand:	0.42 kg (14.8 oz.)