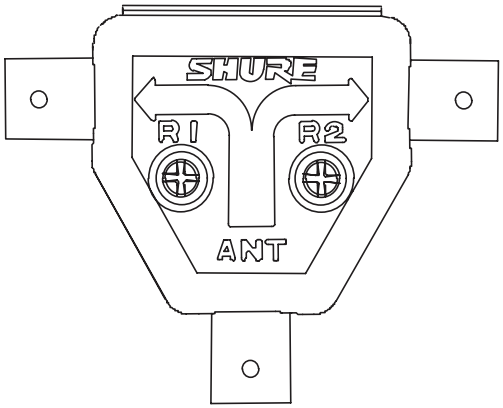
UA221 PASSIVE ANTENNA SPLITTER KIT

KIT UA221 COUPLEUR PASSIF D'ANTENNES

PASSIVE ANTENNENWEICHE-KIT UA221

KIT UA221 DE BIFURCADOR PASIVO DE ANTENAS

KIT UA221 SPLITTER PASSIVO PER ANTENNE



©2006 Shure Incorporated
27B8841 (Rev. 2)

Printed in U.S.A.

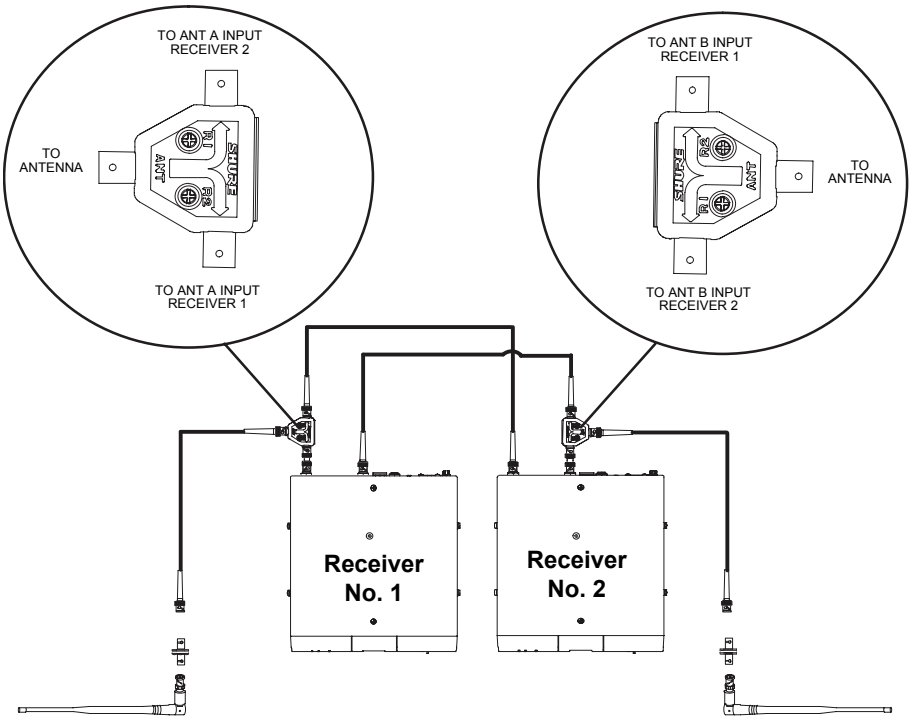
GENERAL

The Shure UA221 Antenna Splitter Kit includes a pair of one-input, two-output passive antenna splitters, four coaxial cables, two BNC male-to-male adapters, and connecting hardware. Each UA221 splits an incoming signal into two outgoing signals.

UA221 splitters are intended for use with Shure Wireless Systems. Use Shure UA820 1/2 wave antennas (shown in Figure 1) or Shure UA400 1/4 wave UHF antennas, and Shure UA802, UA825, or UA850 50 Ω low-loss antenna cable.

INSTALLING THE UA221 SPLITTERS

1. Connect one BNC male-to-male adapter (two supplied) to the ANTENNA A input on the first receiver.
2. Connect the other BNC male-to-male adapter to the ANTENNA B input on the second receiver.
3. Using the supplied coaxial cables, connect the R1 and R2 connectors on the UA221 splitters to the ANTENNA A and ANTENNA B inputs on the receivers, as shown in Figure 1.
4. Using the supplied coaxial cables, connect the ANT connector on each UA221 splitter to a UHF antenna, as shown in Figure 1.
5. Install the receivers in a 19-inch audio equipment rack.



UA221 ANTENNA SPLITTER CONNECTIONS
FIGURE 1

SPECIFICATIONS

RF Carrier Frequency Range
10 to 1,000 MHz
Voltage Wave Standing Ratio (VSWR)
1.2
Impedance
50 Ω
Isolation
20 dB
Insertion Loss
2 dB
Overall Dimensions
63.5 mm x 48.2 mm x 22.3 mm (2.5 in. x 1.9 in. x 0.9 in.)
Weight
45.3 g (1.6 oz)

FURNISHED PARTS

0.5 m (2 ft.) Coaxial Antenna Cable (4)	UA802
BNC Bulkhead Adapters, lockwasher, nut (2)	95A8647
BNC Male-to-Male Adapter (2)	95A8738

OPTIONAL ACCESSORIES

1/2 Wave Antenna (774-865 MHz)	UA820A
1/2 Wave Antenna (662-698 MHz)	UA820C
1/2 Wave Antenna (554-590 MHz)	UA820D
1/2 Wave Antenna (756-784 MHz)	UA820E
1/4 Wave Antenna	UA400
7.6 m (25 ft.) Coaxial Antenna Cable	UA825
15.2 m (50 ft.) Coaxial Antenna Cable	UA850
33 m (100 ft.) BNC-to-BNC Cable	UA8100
Remote Antenna Bracket with BNC Bulkhead Adapter	UA505
Antenna Rack Panel with Cables and BNC Adapters	UA440