

MODEL UA844 ANTENNA DISTRIBUTION SYSTEM

The Shure Model UA844 is a UHF antenna distribution system that allows the expansion of wireless microphone systems by splitting one pair of antennas to multiple receivers. It also amplifies RF signals to compensate for insertion loss that results from splitting signal power to multiple outputs. A single UA844 system can support up to four wireless receivers. A maximum of five UA844 systems may be used in a two-tiered configuration. Refer to the illustration on page 11.

SYSTEM COMPONENTS

- *Front-mounting antenna hardware*
- *Rack-mounting hardware*
- *External power supply*
- *Antenna cables for receiver connections*
- *DC power cables for receiver connections*

SPECIFICATIONS

Carrier Frequency Range

470-900 MHz

Distributed RF Output Level (Gain)

-0.5 to 3 dB, 1 dB typical, from antenna input (unused ports terminated with 50 Ω)

Output Connector Isolation

≥25 dB

Third Order Intercept Point (3 OIP)

24 dBm, typical

DC Input Voltage

14 to 18 Vdc

DC Output Voltage

14 to 18 Vdc, 4 connectors

Maximum Current Supply from DC Outputs

1.5 Amps

DC Antenna Voltage

12 Vdc

Impedance

50 Ω

RF Input/Output Antenna Connector Type

BNC

Operating Temperature Range

-7° C to 49° C (20° to 120° F)

Overall Dimensions

44.5 mm H x 482.6 mm W x 171.5 mm D (1.75 x 19 x 6.75 in.)

Net Weight

1.62 Kg (3.6 lbs)

Certification

UA844: Authorized under the Declaration of Conformity provision of FCC Part 15A. Certified by IC in Canada under RSS-123. Conforms to European ETSI standards EN 301 489, Parts 1 and 9. Meets the essential requirements of the European R&TTE Directive 99/5/EC; eligible to carry the CE marking. c e
PS44US: Conforms to safety standard IEC 60065.
PS44E: Conforms to safety standard IEC 60065.
PS44UK: Conforms to safety standard IEC 60065.

IMPORTANT: THIS RADIO EQUIPMENT IS INTENDED FOR USE IN PROFESSIONAL ENTERTAINMENT (CLASS I) AND SIMILAR APPLICATIONS.

NOTE: THIS EQUIPMENT MAY BE CAPABLE OF OPERATING ON SOME FREQUENCIES NOT AUTHORIZED IN YOUR REGION. PLEASE CONTACT YOUR NATIONAL AUTHORITY TO OBTAIN INFORMATION ON AUTHORIZED FREQUENCIES FOR WIRELESS MICROPHONE PRODUCTS IN YOUR REGION