



UA221DB-RSMA

Passive Antenna Splitter

Online user guide for UA221DB-RSMA.
Version: 1.0 (2023-B)

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UA221DB-RSMA Passive Antenna Splitter

General Description

The Shure UA221DB-RSMA is a bi-directional splitter/combiner which can be used to route the RF signal from a single antenna to 2 inputs, or to connect 2 antennas to a single input.

Important Compatibility Information:

- UA221DB-RSMA splitters are intended for use with Shure wireless systems which operate between 2.4 to 2.5 GHz and 5.725 to 5.875 GHz.
- Use with reverse SMA cables only.
- The splitter blocks DC power.
- You can use the splitter to combine 2 antennas to 1 antenna port on the GLXD+ frequency manager. Keep cable runs to under 50 feet to avoid loss and use directional antennas.
- The splitter can't combine 2 GLXD4R+ receivers to 1 output on the GLXD+ frequency manager.
- The splitter can't connect 1 pair of antennas to 2 GLXD+ frequency managers.

Furnished Accessories

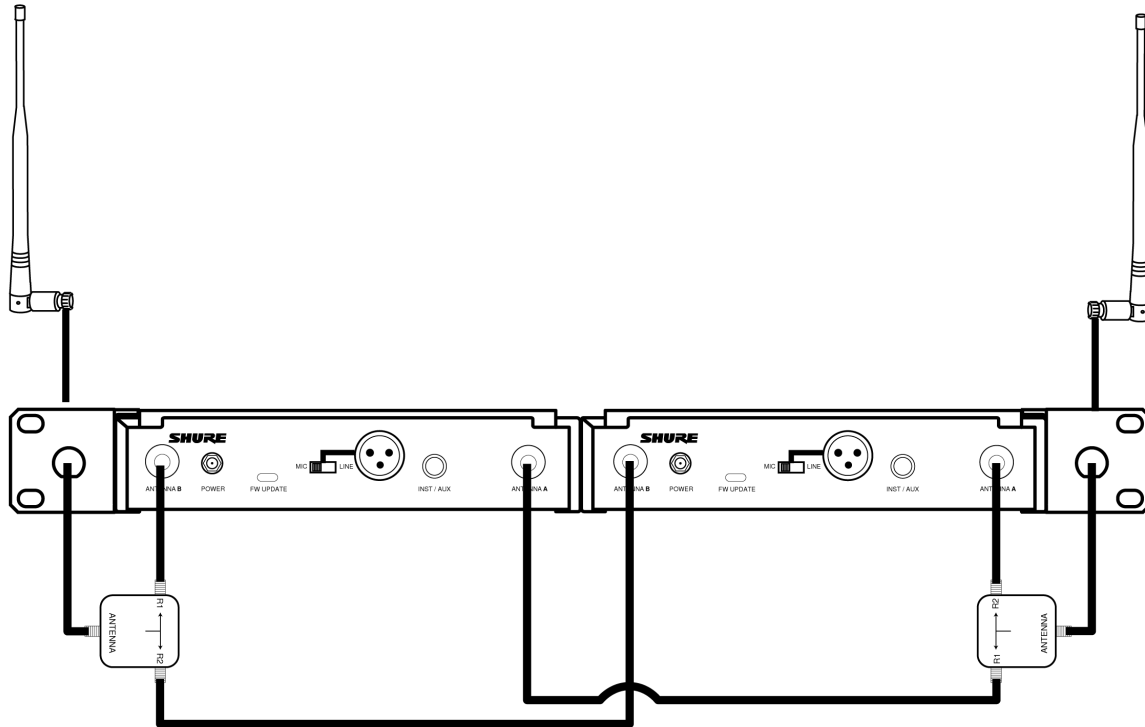
0.6 m (2 ft.) Reverse SMA Cable	UA802-RSMA
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Installing the UA221DB-RSMA Splitters

Use the two antenna splitters and supplied cables to configure a system in one of the following ways. Antennas must be compatible with the operating frequency range of the receivers.

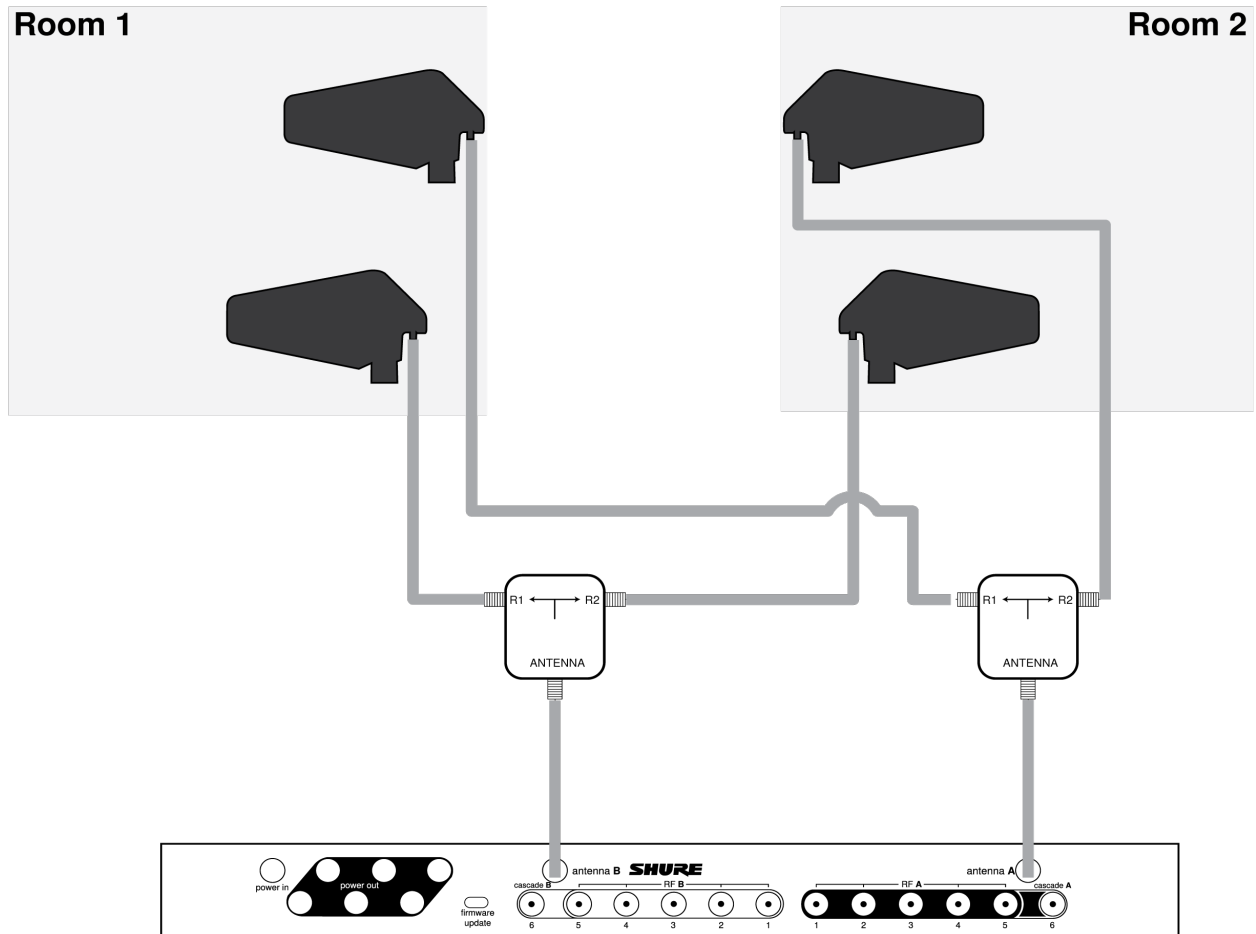
Using a Single Pair of Antennas with Two Receivers

Split the signal from 1 pair of antennas to 2 receivers.



Using Two Pairs of Antennas for Multi-Room Coverage

Use the UA221DB-RSMA to combine 2 pairs of antennas together to create multiple coverage areas, such as for 2 rooms. For best results, use PA805DB-RSMA directional antennas and keep cable runs under 50 feet to avoid loss.



Optional Accessories and Replacement Parts

1/2 Wave Antenna, 45 deg. (2.4 GHz and 5.8 GHz)	UA8-2.4/5.8 GHZ
Passive Directional Antenna	PA805DB-RSMA
Remote Antenna Mounting Bracket Kit	UA505-RSMA
0.6 m (2 ft.) Reverse SMA Cable	UA802-RSMA
1.8 m (6 ft.) Reverse SMA Cable	UA806-RSMA
7.6 m (25 ft.) Reverse SMA Cable	UA825-RSMA
15.2 m (50 ft.) Reverse SMA Cable	UA850-RSMA
30.4 m (100 ft.) Reverse SMA Cable	UA8100-RSMA

Specifications

Frequency Range

1.8 GHz to 7.0 GHz (Wi-Fi Band)

Isolation

> 20 dB (24 dB, typical)

Insertion Loss

2.45 MHz	< 0.9 dB (0.5 dB, typical)
5.8 GHz	< 1.8 dB (1.4 dB, typical)

Voltage Standing Wave Ratio (VSWR)

1.8 GHz–7 GHz < 2 (<1.4, typical)

Dimensions

2.5 x 2.7 x 0.6 in. (64.2 x 67.7 x 16 mm), (H x W x D)

Weight

1.5 oz. (42.5 g)

Important Product Information

Waste Electrical and Electronic Equipment (WEEE) Directive



In the European Union and the United Kingdom, this label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

Registration, Evaluation, Authorization of Chemicals (REACH) Directive

REACH (Registration, Evaluation, Authorization of Chemicals) is the European Union (EU) and the United Kingdom (UK) chemical substances regulatory framework. Information on substances of very high concern contained in Shure products in a concentration above 0.1% weight over weight (w/w) is available upon request.

Certifications

CE Notice:

Hereby, Shure Incorporated declares that this product with CE Marking has been determined to be in compliance with European Union requirements. The full text of the EU declaration of conformity is available at the following site: <https://www.shure.com/en-EU/support/declarations-of-conformity>.

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UKCA Notice:

Hereby, Shure Incorporated declares that this product with UKCA Marking has been determined to be in compliance with UK-CA requirements. The full text of the UK declaration of conformity is available at the following site: <https://www.shure.com/en-GB/support/declarations-of-conformity>.

Authorized UK Importer / Representative:

Shure UK Limited
 Unit 2, The IO Centre, Lea Road,
 Waltham Abbey, Essex, EN9 1 AS, UK

China RoHS

部件名称	有害物质					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电路模块	X	○	○	○	○	○
金属模块	X	○	○	○	○	○
线缆及其附件	X	○	○	○	○	○
外壳	○	○	○	○	○	○
电源适配器*	X	○	○	○	○	○
电池组*	X	○	○	○	○	○

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 X: 表示该有害物质至少在该部件某一均质材料中的含量超出GB/T26572规定的限量要求。
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