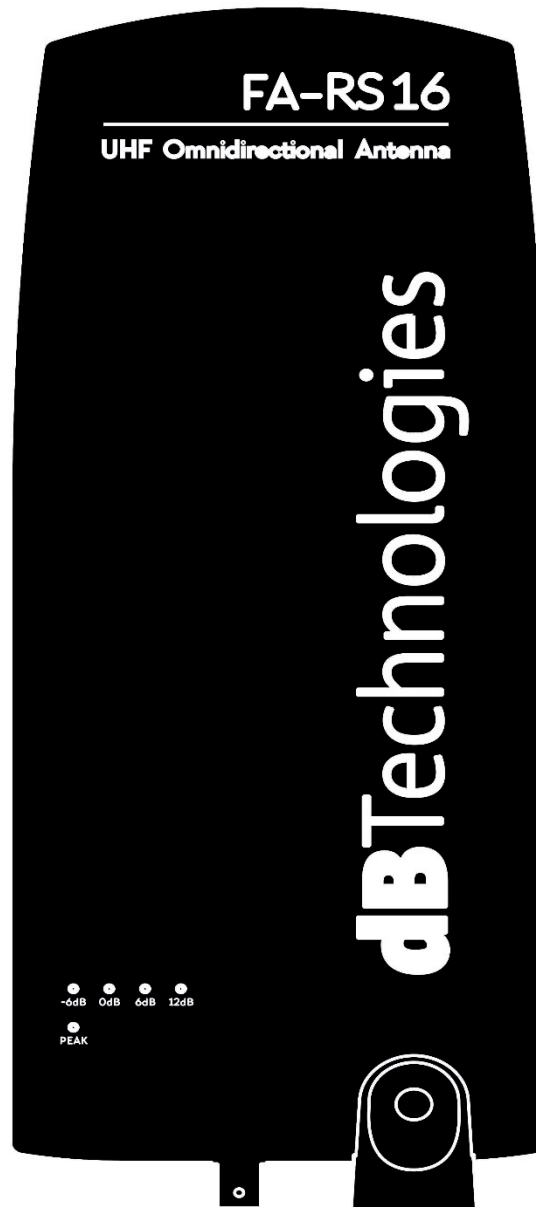


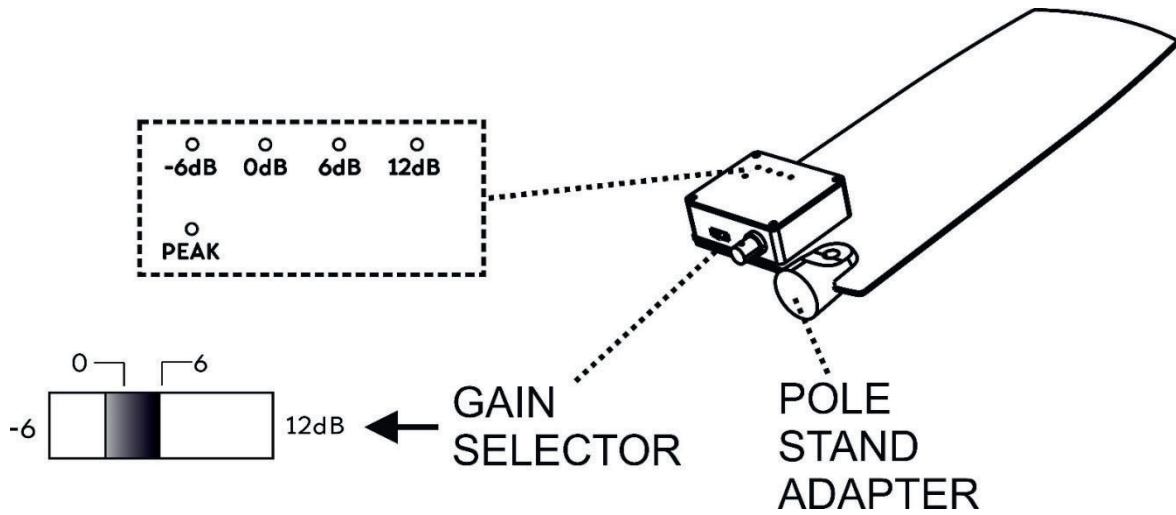
UHF Omnidirectional Antenna  
**FA-RS 16**



QUICK START GUIDE – Section 1

The warnings in this manual must be observed together with the "User Manual - Section 2"

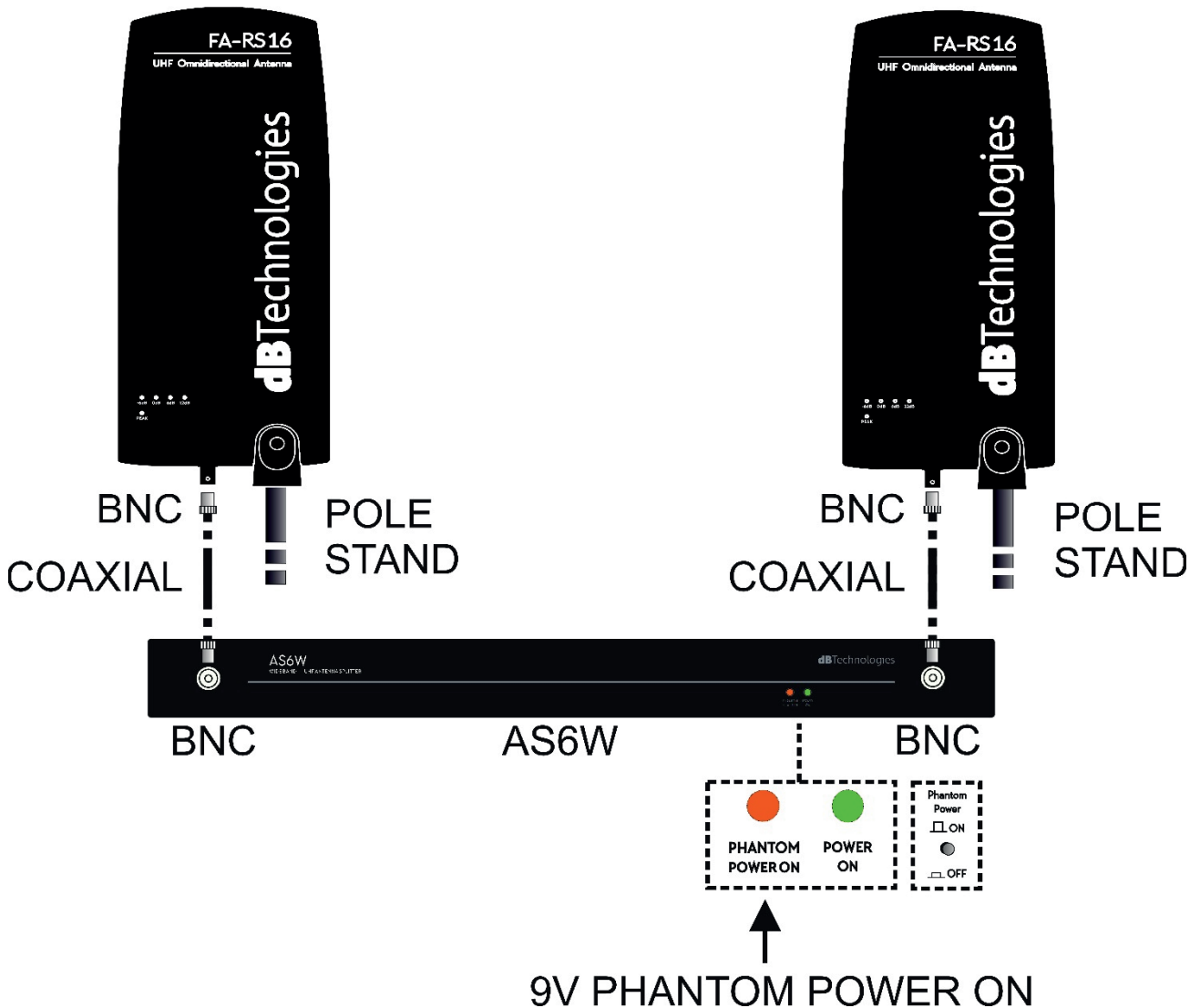




DESCRIPTION

FA-RS16 is an active omnidirectional antenna. It is equipped with a BNC connector, a gain selector and a pole-mount adapter. The status LEDs provide immediate information about the gain selection, and the PEAK LED reveals a potential issue due to a saturation of the signal reception.

A pair of FA-RS16 should be used with RS16000TR or a single AS6W module. In the second case please check that the phantom power is enabled.



**GAIN SELECTOR**

Depending on the type and length of the used coaxial cable, the gain selector must be regulated following the table below, to compensate the losses due to the signal path:

<b>TYPE</b>	<b>CABLE LENGTH</b>	<b>RECOMMENDED GAIN</b>
<b>RG 58 (5 mm diameter)</b>	<b>3 - 8 m</b>	<b>-6 dB</b>
	<b>9 - 14 m</b>	<b>0 dB</b>
	<b>15 - 20 m</b>	<b>6 dB</b>
	<b>21 - 26 m</b>	<b>12 dB</b>
<b>RG 223/U (5 mm diameter)</b>	<b>5 - 15 m</b>	<b>-6 dB</b>
	<b>16 - 25 m</b>	<b>0 dB</b>
	<b>26 - 35 m</b>	<b>6 dB</b>
	<b>36 - 45 m</b>	<b>12 dB</b>
<b>RG 223/U (10 mm diameter)</b>	<b>10 - 30 m</b>	<b>-6 dB</b>
	<b>31 - 45 m</b>	<b>0 dB</b>
	<b>46 - 64 m</b>	<b>6 dB</b>
	<b>65 - 80 m</b>	<b>12 dB</b>

**USAGE RECOMMENDATION**

Place the antennas in line-of-sight to the transmitters. Maximize the distance between the two antennas as much as possible. For an optimized reception, please consider a minimum height of 1.8 m. The “true diversity” concept requires the use of two antennas, so always use one or more pairs of FA-RS16.

Download the complete user manual on:  
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Check the complete user manual on [www.dbtechnologies.com](http://www.dbtechnologies.com) for further information about the system and available accessories.

Scarica il manuale completo da [www.dbtechnologies.com](http://www.dbtechnologies.com) per ogni ulteriore informazione sul sistema e sugli accessori disponibili.

Für weitere Informationen und verfügbares Zubehör lesen sie bitte die vollständige Bedienungsanleitung unter [www.dbtechnologies.com](http://www.dbtechnologies.com).

Vérifiez le manuel de l'utilisateur complet sur [www.dbtechnologies.com](http://www.dbtechnologies.com) pour des informations complémentaires du système et des accessoires disponibles.

Compruebe el manual de usuario completo sobre [www.dbtechnologies.com](http://www.dbtechnologies.com) para la información adicional sobre el sistema y accesorios disponibles.