# WS 500

## 4 CHANNEL ANTENNA SPLITTER

## Features

Designed for high-performance integration, the LucasACS antenna distributor supports up to four UHF wireless receivers, significantly optimizing signal reception in racked configurations. The system utilizes two front-mounted antennas to efficiently distribute signals across all connected units. Equipped with an advanced calibration function, it pairs seamlessly with the WS500 AN antenna amplifier to provide an automatic gain adjustment between 0 and 15 dB. Additionally, the distributor supplies the 8 V DC power required for external antenna amplifiers.




## Technical Specifications

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| **Frequency** | The distributor operates across the wide UHF spectrum from 470 to 960 MHz. |
| **Gain** | It features an automatic gain of 0-15 dB with ±0.5 dB precision when used with the optional WS 500 AN module. |
| **Inputs** | The system is equipped with two 50 Ω female TNC antenna inputs. |
| **Outputs** | It provides eight female TNC 50 Ω antenna outputs to support up to four receivers. |
| **Power Supply** | The unit includes a 12 V DC, 1 A adapter and supplies 8 V DC power through TNC connectors for antenna amplifiers. |
| **Dimensions** | The device follows a standard 1 U 19-inch rack format, measuring 483 x 45 x 214 mm in depth. |
| **Weight** | The professional rack-mount unit has a total weight of 2.1 kg. |
| **Included Accessories** | It comes with front-mount antenna brackets and ten 0.5-meter TNC male-to-male cables for seamless connectivity. |
| **Optional Upgrades** | Compatible options include the WS 500 AM amplifier for calibration and the WS 500 AN directional antenna with integrated gain. |



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