



Short Range Stub

- 433MHz linear polarised antenna
- Allows more control over where tags are read
- Detects tags in any orientation relative to the antenna with minimal impact on RSSI
- Designed for both indoor and outdoor use
- Provides ultra-long range where required
- Minimises read range to rear of antenna

The AN200 is a linear polarised stub antenna that, when connected to a Wavetrend® reader, offers superior control over where Wavetrend® tags can be detected by the reader

Operational Capabilities

The AN200 can be used with both L-Series and W-Series models of Wavetrend® RX201, RX900 and RX1000 readers.

It is strongly recommended that the services of a properly trained engineer from a Wavetrend Accredited Partner or Wavetrend Professional Services are employed to determine the best location for the reader and the best antenna to be used to achieve the desired read range.

**Read ranges are affected by environmental conditions and site configurations and may not match those stated in this sheet. Read ranges will generally be greater outdoors than indoors.*

L-RX201 L-RX900 L-RX1000
17m (radius)

Typical Read Ranges Offered by AN200 with Respective Wavetrend Readers*

Reception Characteristics

The AN200's horizontal and vertical polar plots (radiation patterns) shown to the right indicate how the antenna's tag detection range is shaped around the antenna, with a clear increase in forward read range and minimisation of read range behind.

Certification



Specifications

Environmental Operating temperature	: -40°C to +70°C
Physical Size Weight Colour Finish Specification	: 87 x 15 mm tapered to 11 mm diameter : 30 g (approx) : Black : UV resistant black rubber coating : Conforms to ETS 300 019
Electrical Gain at connector Connector type VSWR Impedance Polarisation Max Power Frequency Band Antenna Type	: - 3 dBi (with reference to a 1/8 wave ground plane) : Male BNC : < 1.5:1 : 50 Ohms : Linear : 100 Watt : 400 MHz to 450 MHz : Eighth wave whip

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Ordering & Further Information

For more information on the AN200 Stub Antenna or for information on how to purchase it please email Wavetrend's Sales team: sales@wavetrend.net

For more information on Wavetrend, our active RFID products & Professional Services and on joining our Accredited Partner program, visit our website: www.wavetrend.net