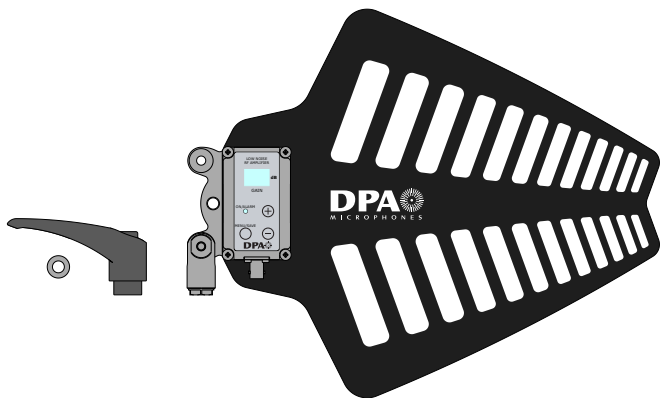


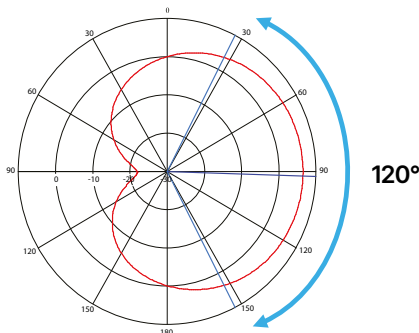
## **ANT202A**

UHF Wideband active LPDA Antenna



ANT202A is a UHF wideband active LPDA (Log Periodic Dipole Array) antenna with integrated bandpass filter and low-noise booster.

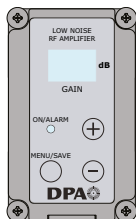
This directional antenna enhances reception range by delivering approximately 7 dB of gain and a typical beamwidth of 120°, while significantly reducing interference compared to traditional 1/2-wave omnidirectional antennas.



Exclusive skeleton design with sloped elements, this antenna can work in 420 to 1300 MHz band (bypass mode). It is possible to enable the integrated passband filter (470 to 960 MHz) and the internal booster (adjustable in 1 dB steps).

Its skeletal design minimizes wind load, making it ideal for both indoor and outdoor use.

For optimal positioning, the antenna comes with ergonomic handles and supports mounting on a standard 5/8" threaded pole or 3/8" with adapter (included).



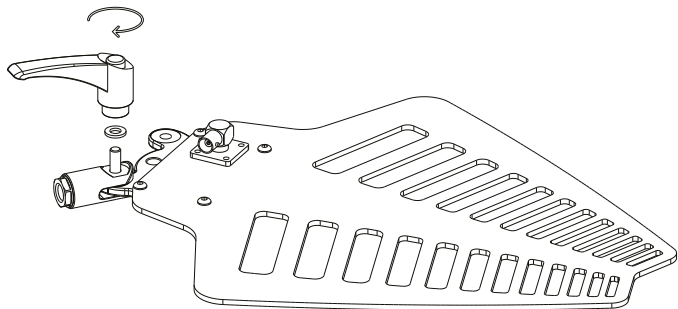
### GAIN SETTINGS:

- Push MENU/SAVE to enter gain edit mode
- Then edit the gain with + / -
- Push MENU/SAVE again to confirm or wait 5 sec to return without saving

It is possible to setup the gain between 1 to 15 dB in steps of 1 dB. Decreasing gain to the lowest value, "bP" is displayed: booster is bypassed and antenna operates in a passive way (internal filter is disabled and the antenna is working in 420 to 1300 MHz range).

## INSTALLATION INSTRUCTIONS

- Insert the washer on the screw and screw the handle as shown in the image below. Determine the length of cable required to connect the ANT202A antenna to the receiver or antenna distribution system.



***IMPORTANT: Use low-loss 50  $\Omega$  cable.***

- Enable the booster (antenna bias) on the receiver or antenna distribution system
- Set the gain to the appropriate setting

***IMPORTANT: The gain should compensate for the signal loss due to the cable length.***

- Mount the antenna on a standard 5/8" threaded pole or a 3/8" pole using the provided adapter

## TECHNICAL SPECIFICATIONS

<b>Frequency range</b>	420 to 1300 MHz (bypass) 470 to 960 MHz
<b>Connector</b>	BNC-F
<b>Impedance</b>	50 $\Omega$
<b>Polarization</b>	Vertical
<b>Connector</b>	BNC-F
<b>Gain</b>	0 to 16 dB typ. (1 dB step selection)
<b>OIP3</b>	+43 dBm typ.
<b>Powering</b>	12 V DC / 100 mA
<b>Material</b>	Epoxy fiberglass with skeletal design
<b>Finish</b>	Black matte
<b>Mounting</b>	5/8" or 3/8" with adapter
<b>Temperature range</b>	-25 to 55°C (-13 to 131°F)
<b>Dimensions (H x W x D)</b>	276 × 336 × 61 mm (10.9 × 13.2 × 2.4 in)
<b>Weight</b>	600 g (21.2 oz)

### EU DECLARATION OF CONFORMITY

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.