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# ANTENNAS

- ANT-3001R
  - Rover Antenna
- ANT-3001A
  - Aerial Antenna
- ANT-3001BR
  - Geodetic Choke Ring Antenna



A John Deere Company  
[www.navcomtech.com](http://www.navcomtech.com)

NavCom's family of antennas is designed to enhance and support the performance of NavCom's precise positioning receivers. The antennas receive multi-constellation signals including GPS, GLONASS and Galileo, as well as WAAS, EGNOS and StarFire™ plus other SBAS signals.

The new multi-constellation antennas fully complement the SF-3050 family of Integrated StarFire Receivers. NavCom's SF-3050 receiver, applies patented multipath mitigation that enhances NavCom's family of antennas to allow for a significant reduction in the effects of multipath.

Providing unsurpassed performance and reliability, NavCom's family of antennas support survey, aerial, reference station, government & military and machine control applications.

The ANT-3001R is ideal for high precision applications and supports multi-constellation receivers. Designed for pole or tripod mounting, the ANT-3001R Rover Antenna is a rugged, lightweight antenna suitable for survey and machine control applications.



The ANT-3001A is ideal for airborne and other mobile applications. Its low-profile and easy to mount design is FAA certified for use in aerial applications.

The ANT-3001BR is a high-performance geodetic choke ring antenna for use in reference station applications. It is constructed to withstand harsh external environments while providing mechanical stability to support installation for CORS and other similar permanent installations.



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## SPECIFICATIONS



### ANT-3001R

- Size (L x W x H): 146mm diameter x 62mm (5.75in diameter x 2.46in)
- Weight: 0.5kg (1.1lbs)
- Connector Type: TNC FEMALE
- Operating Temperature: -55° to +85° C (-67° to 185° F)
- Signals: GPS (L1, L2, L2C, L5); GLONASS (G1, G2); Galileo (E1, E5a)
- Input Voltage: 4.2 to 15.0 VDC
- Noise Figure (typical): 2.6 dB Max
- Input Impedance: 50 OHMS
- Gain: 39 dB (65 mA)
- VSWR (typical): < 2.0:1



### ANT-3001A

- Size (L x W x H): 146mm diameter x 39mm (5.75in diameter x 1.52in)
- Weight: 0.5kg (1lbs)
- Connector Type: TNC FEMALE
- Operating Temperature: -55° to +85° C (-67° to 185° F)
- Signals: GPS (L1, L2, L2C, L5); GLONASS (G1, G2); Galileo (E1, E5a)
- Input Voltage: 4.2 to 15.0 VDC
- Noise Figure (typical): 2.6 dB Max
- Input Impedance: 50 OHMS
- Gain: 39 dB (65 mA)
- VSWR (typical): < 2.0:1



### ANT-3001BR

- Size (L x W x H): 376mm diameter x 351mm (14.82in diameter x 13.83in)
- Connector Type: TNC FEMALE
- Operating Temperature: -55° to +85° C (-67° to 185° F)
- Weight: 4.8kg (10.5lbs)
- Signals: GPS (L1, L2, L2C, L5); GLONASS (G1, G2); Galileo (E1, E5a)
- Input Voltage: 4.2 to 15.0 VDC
- Noise Figure (typical): 2.6 dB Max
- Input Impedance: 50 OHMS
- Gain: 38 dB (65mA)

*Weatherproof Radome Included.*

*Technical specifications subject to change at NavCom's discretion.*