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**COMROD AS**

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For more information on Southern Avionics Company's NDB systems utilizing the Comrod AT100D/S and proper installation techniques, please contact Southern Avionics Company at +1.409.842.1717 or

voltage present at the ATU's output.  
output power must be limited to 100 Watts between 300KHz to 350KHz due to the large reactive shading of the RF navigation signal must be limited in the main approach direction, and the transmitter's must be utilized between the antenna and any metal surface. Also, the amount of superstructure For this or any omnidirectional antenna to operate at peak performance a mandatory separation of 1m range is used for navigation applications using ground wave signal propagation during daylight hours. Using the correct inductance with the AT100D/S along with proper installation techniques, it is common for pilots to receive high quality signals at 100NM. Since every vessel is different, a 60NM received

and 180KHz.  
thus allowing antenna resonance between 300KHz of developing an inductance between 3.6mH - 22uH The PC1000 series ATU (which includes the PC1000C, C2, C3 and C4 models) is a variable inductor capable lower than 1.6MHz.



antenna to achieve resonance at frequencies much used this concept with their PC1000 series Antenna Tuning Units (ATU) and the Comrod AT100D/S whip resonant frequency. Southern Avionics Company has add series inductance to decrease the antenna's A standard practice using radiating antennas is to

Using Comrod AT100D/S Whip Antennas with Southern Avionics Company NDB Systems



**SOUTHERN AVIONICS COMPANY**  
MANUFACTURERS OF LOW FREQUENCY RADIOBEACONS AND ASSOCIATED PRODUCTS