



Satellite Systems Corporation  
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## Model ATX 3000

Intelligent Actuator solutions with integrated  
feedback & limit switches for DC antenna control systems

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*The ATX-3000 antenna tracking controller offers a versatile DC Ballscrew Actuator for reliable and accurate antenna positioning for DC systems.*

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### **FEATURES**

- “User Friendly” easy to install design
- Rugged steel tube construction
- 5 pitch ball screw
- 1500 lb. capacity
- Tube and gearbox easily taken apart for installation and service with simple tools
- Interchanges with virtually all other actuators in the field today
- Black E-coated outer tube and plated inner tube for superior corrosion protection
- Plastic Pilot guide prevents metal to metal contact between the tubes
- Forged steel end mount design with swivel and built in standoffs for ½” bolt mounting.
- Easy to install split clamp assembly for ½” bolt mounting
- Mounting bolt kit included
- Limit switches with single screw adjustment
- Water drains and vents throughout for freeze protection
- Ku or C band compatible
- 24 or 36 VDC permanent magnet motor
- 5 amps @1500 lbs @ 36 VDC
- Super Sensor for position feedback w/ integrated limit switches
- Multiple throw lengths available
- Multiple configurations available please contact your Satellite Systems Corporations representative.



Intelligent Ball-screw **DC** Actuators with integrated encoder and limit switches

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## Antenna Drive Units for DC Motors

DC Motor jacks provided by SSC in 12 - 48 inch stroke lengths. Built in encoder feedback. 24 / 36 VDC motor/ integrated limit switches. (DC systems jacks are quoted separately)

## DC System Standard Dimensions

**ACU:** 1 RU, 19" x 15.5" x 1.75"

**ADU:** 1 RU, 19" x 15.5" x 1.75" (Enclosure solution also available, please contact factory.)

## Options

Motors, Gear reducers, Jack screws, Limit switches, Emergency stop switches, umbilical control.

## Part Numbering information

1. *Please choose your acu configuration from the following table:* Example – ACU3000 – D – C3-E0

ACU3000

AC or DC system	Feed Back	Pol OPTION
AC system A	Resolver C2	No Pol E0
OR	OR	OR
DC system D	Encoder C3	Pol Motor Only E1
		OR
		Resolver Feedback E2
		OR
		Encoder Feedback E3
		OR
		POT Feedback E4
		Pot can be used with encoder or resolver sensor

DC ADU3000

2. *Please choose your DC adu configuration from the following table:* Example – ADU3000 – F24-Q36-F24-Q36-HO

AZ Voltage	AZ Jack Length	EL Voltage	EI Jack Length	Pol options
12 Volts D12	12 " stroke L12	12 Volts D12	12 " stroke L12	No Pol MTR HO
OR	OR	OR	OR	OR
24 Volts F24	24" stroke N24	24 Volts F24	24" stroke N24	24VDC H1
OR	OR	OR	OR	
36 Volts H36	36 " stroke Q36	36 Volts H36	36" stroke Q36	

\*\*Other voltage and stroke lengths available.

Please see <http://www.satsyscorp.com> for more information.