



# Alto Amplifiers

## With variable gain, AGC & remote control & monitoring options

The Alto Amplifier range provides a resilient solution for cable loss within the RF distribution chain for satellite teleports, TVRO and head-ends. A wide range of Alto amplifier modules with additional features are available which can be housed in a variety of chassis.

All Alto line amplifier models include hot-swap amplifier modules with locally settable variable gain, and dual redundant power supplies to enhance resilience and flexibility.

### Typical applications:

- Redundancy teleport sites with main & standby dishes.
- Cable loss offset for long runs between teleport and MCR.
- Signal loss offset from passive RF splitters or combiners.
- AGC applications in unmanned or remote teleports.
- General satcoms– teleports, video head-ends, TVRO.



4 module local control chassis



16 module remote control chassis



## Local control only (basic)

### Features

### Module & Chassis Options

CHASSIS OPTIONS				
Model	Capacity	Power Supplies	LNB Powering	
ALT-C100-1U	Up to 8 modules (4 modules for N-type)	Dual redundant	✗	
ALT-C101-2U	Up to 16 modules (8 modules for N-type)	Dual redundant	✗	
ALT-C102-2U	Up to 16 modules (8 modules for N-type)	Dual redundant	✓	
MODULE OPTIONS				
Model	Frequency	Variable Gain	Slope Compensation	LNB Powering
ALT-M-L1-001-xxxx	L-band (850-2150MHz)	0-38 dB	✗	✗
ALT-M-L1-003-xxxx	L-band (850-2150MHz)	0-38 dB	✗	✓
ALT-M-C1-007-xxxx	C-band (3000-4200MHz)	0-38 dB	✗	✗
ALT-M-C2-025-xxxx	C-band (5800-6500MHz)	0-25 dB	✗	✗

The amplifier modules listed above are available in a variety of impedances and RF connector types.





## Ethernet remote control & monitoring & AGC Amplifiers

### Features Module & Chassis Options

CHASSIS OPTIONS							
Model	Capacity	Power Supplies	LNB Power	Front Panel Monitoring Display			
ALT-C200-1U	Up to 8 modules (4 modules for N-type)	Dual redundant	✓	✓			
ALT-C201-2U	Up to 16 modules (8 modules for N-type)	Dual redundant	✗	✓			
ALT-C202-2U	Up to 16 modules (8 modules for N-type)	Dual redundant, hot-swap	✗	✓			
ALT-C203-2U	Up to 16 modules (8 modules for N-type)	External DC 18V required	✓	✓			
ALT-C204-2U	Up to 16 modules (8 modules for N-type)	Dual redundant, hot-swap	✗	✓			
ALT-C205-2U	Up to 16 modules (8 modules for N-type)	Dual redundant	✓	✓			
ALT-C206-2U	Up to 16 modules (8 modules for N-type)	Dual redundant	✗	✓			
ALT-C207-1U	Up to 8 modules (4 modules for N-type)	Dual redundant	✗	✓			
MODULE OPTIONS							
Model	Frequency	Variable Gain	AGC	Slope Compensation	LNB Powering	High Linearity	DC & 10MHz Pass
ALT-S-L1-002-xxxx	L-band (850-2150MHz)	8-38 dB	✗	✓	✗	✗	✗
ALT-S-L1-004-xxxx	L-band (850-2150MHz)	8-38 dB	✗	✓	✓	✗	✗
ALT-S-L1-005-xxxx	L-band (850-2150MHz)	0-20 dB	✗	✓	✗	✓	✗
ALT-A-B2-009-xxxx	Broadband (50-2150MHz)	0-55 dB	✓	✗	✗	✗	✗
ALT-S-L1-010-xxxx	L-band (850-2150MHz)	8-38 dB	✗	✓	✗	✗	✓
ALT-A-L1-011-xxxx	L-band (850-2150MHz)	0-55 dB	✓	✓	✗	✗	✗
ALT-S-S2-014-xxxx	S-band (850-2500MHz)	8-38 dB	✗	✓	✗	✗	✗
ALT-S-C1-016-xxxx	C-band (3.4-4.2GHz)	Variable attenuation module					
ALT-S-K1-017-S5S5	Ku-band (10.7-12.75GHz)	Variable attenuation module					
ALT-A-L1-027-xxxx	L-band (850-2150MHz)	0-55 dB	✓	✗	✗	✗	✓(DC pass only)
ALT-S-C1-028-xxxx	C-band (3.2 to 4.8GHz)	0-25 dB	✗	✗	✗	✗	✗
ALT-S-K1-029-xxxx	Ku-band (10.70 to 12.75GHz)	0-25 dB	✗	✗	✗	✗	✗
ALT-A-L1-031-xxxx	L-band (850-2150MHz)	0-55 dB	✓	✗	✗	✓	✗

The amplifier modules listed above are available in a variety of impedances and RF connector types.

Alto Amplifiers are also available in **redundant configurations** - please see separate datasheet for more information.

