

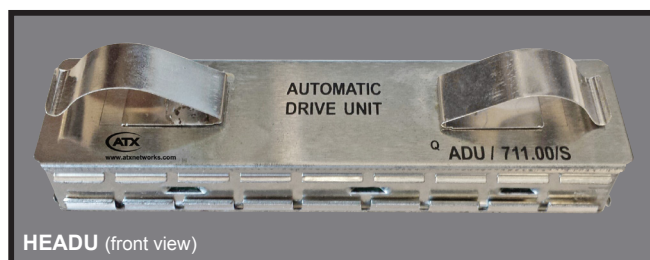


HEADU - Motorola STARLINE® Automatic Drive Unit (ADU)

ATX Networks' HEADU is an automatic gain control (AGC) device designed as a cost-effective drop-in alternative in Motorola's STARLINE® series amplifiers. The AGC functions by monitoring a pre-selected Analog, CW or QAM channel and adjusts RF gain to maintain constant power. Operators going all digital will be able to use the QAM ADU module to cost-effectively future proof their existing installed base.

Features & Benefits:

- ▶ Four analog frequency values available
- ▶ Three digital frequency value available (QAM ADU)
- ▶ QAM ADU utilizes QAM-modulated digital channel as pilot (no need to hold analog channel when expanding digital bandwidth)
- ▶ All current ADU models utilize SAW filters to detect pilot signal (denoted by /S in part number)
- ▶ All current ADU models meet FCC & CENELEC requirements



HEADU Specifications

SPECIFICATIONS	HEADU
PILOT FREQUENCY (MHz)	Analog: 403.25, 439.25, 445.25, 499.25 QAM: 549.00, 609.00, 711.00
CONTROL LEVEL (Setting Range)	
F _c = 400-429 MHz	Min. = 37.0 dBmV, Max. = 49.0 dBmV
F _c = 430-459 MHz	Min. = 36.5 dBmV, Max. = 48.5 dBmV
F _c = 460-505 MHz	Min. = 36.0 dBmV, Max. = 48.0 dBmV
F _c = 506-550 MHz	Min. = 35.5 dBmV, Max. = 47.5 dBmV
F _c = 609 MHz	Min. = 38.0 dBmV, Max. = 44.0 dBmV
F _c = 711 MHz	Min. = 38.0 dBmV, Max. = 44.0 dBmV
PILOT LEVEL ACCURACY	+/- 0.4 dB for +/- 3 Change at Input
IDC	70mA
AC POWER	2.13W
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to +140°F)
HUMIDITY	20%-55% (without condensation, inside housing)
DIMENSIONS	1.54"H x 4.6"W x 1.1"D (3.9H x 11.7W x 2.8D cm)
WEIGHT	0.13 lbs (0.06 kg)

Ordering Information

Part Number	Description
HEADU-*/S	Replacement Automatic Drive Unit (AGC) (* = Frequency in MHz (with .00 if QAM or .25 if Analog))
ORDERING NOTES:	
Example:	
Part # HEADU-711.00/S (Replacement Automatic Drive Unit (AGC), 711 MHz QAM)	
Other frequencies available upon request.	

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Specifications subject to change without notice.