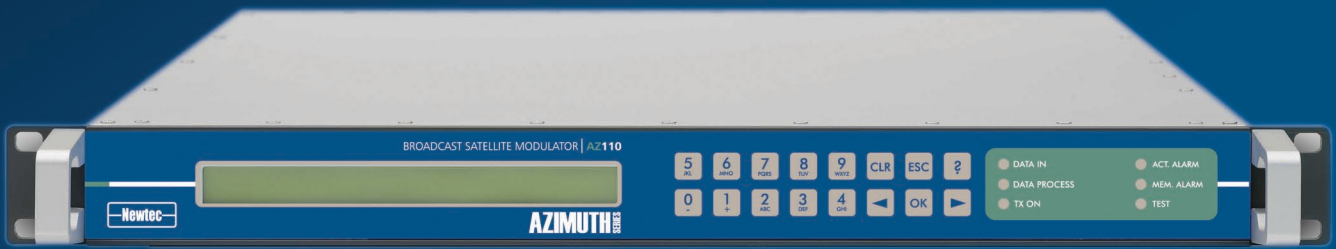


Quick Reference Guide

AZIMUTH SERIES



Azimuth is a family of DVB-S and DVB-S2 modulation equipment for Broadcast, Telco and Wide Area Network applications, together with generic Satcom equipment such as frequency converters, data converters and redundancy switches.

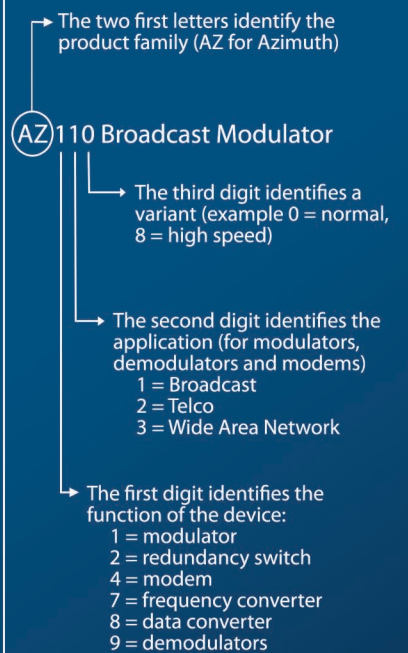
Segment	Modulator	Modem	Demodulator
Broadcast	AZ 110 Broadcast Satellite Modulator	AZ 410 Broadcast Satellite Modem	AZ 110 Distribution Satellite Demodulator
	AZ 119 ABS-S Satellite Modulator		
Telco	AZ 120 Telco Satellite Modulator	AZ 420 Telco Satellite Modem	AZ 920 Telco Satellite Demodulator
	AZ 128 High Speed Telco Satellite Mod.		AZ 928 High Speed Telco Satellite Demod.
Wan	AZ 130 WAN Satellite Modulator		AZ 930 WAN Satellite Demodulator

Redundancy Switches
AZ 210 1+1 Modulator Redundancy Switch
AZ 290 1+1 Demodulator Redundancy Switch
AZ 270 1+1 Frequency Converter Redundancy Switch
AZ 200 Universal Switching System

Frequency Converters
AZ 710 Upconverter
AZ 720 Downconverter
AZ 730 Up & Down Converter
AZ 740 Indoor L-Band Block Upconverter
AZ 750 Combiner

Data Converter
AZ 820 ASI/SPI to G703 Converter
AZ 840 BISS Scrambler
AZ 850 Rate Adapter
AZ 860 Concentrator - Deconcentrator

How to use the product numbers:



Models

AZ110: Broadcast Modulator

Key features: DVB-S & DVB-S2 - ASI & GbE inputs - IF, L-band or RF output - MPE/XPE IP encapsulator, BISS & Equalink™ options

AZ119: ABS-S Modulator

Key features: ABS-S Advanced Broadcasting System - ASI input - IF, L-band or RF output

AZ120: Telco Satellite Modulator

Key features: DVB-S & DVB-S2 - E1, E2, E3, T2 or T3/DS3 rates - dual G.703 input - IF, L-band or RF output - Equalink™ option

AZ128: High Speed Telco Satellite Modulator

Key features: DVB-S2, 155Mbit/s in 54 MHz or 72 MHz - STM-1 or OC-3 input - IF, L-band or RF output - Equalink™ option

AZ130: WAN Satellite Modulator

Key features: DVB-S & DVB-S2 - HSSI input up to 110 Mbit/s - IF, L-band or RF output - Equalink™ option

AZ200: Universal Switching System

Key features: Versatile & modular architecture - dual power supply - large range of switching modules - high compactness

AZ210: 1+1 Modulator Redundancy Switch

Key features: Easy to install - suitable for any modulator - dual redundant power supply - large range of data and RF interfaces

AZ270: 1+1 Frequency Converter Redundancy Switch

Key features: Easy to install - dual redundant power supply - large range of RF interfaces (50 & 75 ohms)

AZ290: 1+1 Demodulator Redundancy Switch

Key features: Easy to install - dual redundant power supply - large range of RF and data interfaces (50 & 75 ohms)

AZ410: DSNG & Contribution Modem

Key features: DVB-S & DVB-S2 - ASI & GbE inputs - IF or L-band output - IP encapsulator - NoDE - BISS & Equalink™ options

AZ420: Telco Satellite Modem

Key features: DVB-S/S2 - E1, E2, E3, T2 or T3/DS3 rates - dual G.703 input/output - IF or L-band output - NoDE - Equalink™ option

AZ710: Upconverter

Key features: IF to L, C, Ku or DBS bands - 70 MHz or 140 MHz input - spectrum inversion - very high frequency stability - very low spurious

AZ720: Downconverter

Key features: L-band to IF - 70 MHz or 140 MHz output - high gain - spectrum inversion - very high frequency stability - LNB power supply

AZ730: Up & Downconverter

Key features: IF to L, C, Ku or DBS-band and L-band to IF - 70 MHz or 140 MHz in/output - spectrum inversion - very high frequency stability

AZ740: Indoor L-band Block Upconverter

Key features: L-band to IF, C, Ku or DBS-band - very high frequency stability - very low spurious - high linearity over the entire bandwidth

AZ750: Combiner

Key features: Up to 8 switchable L-band inputs - adjustable gain on each input - L-band output - optional upconversion to C, Ku or DBS-band

AZ820: ASI/SPI to G703 Converter

Key features: ASI input/output - G.703 input/output - E1, E2, E3, T2 or T3/DS3 rates - rate adaption - PCR restamping - transparent mode

AZ840: BISS Scrambler

Key features: ASI input/output - compliant with BISS mode 0,1&E - single program per transport stream - PCR restamping

AZ850: Rate Adapter

Key features: Two selectable ASI inputs - ASI output - 188 or 204-byte mode - MPEG null packet stuffing or removing

AZ860: Concentrator – Deconcentrator

Key features: (De)concentration of up to 8 DVB or ATSC transport streams - fully transparent - SFN compatible - individual stream (de)scrambling

AZ910: DSNG and Contribution Demodulator

Key features: DVB-S & DVB-S2 - ASI & GbE inputs - dual IF and/or L-band inputs - MPE and XPE - adaptive equalizer - NoDE

AZ920: Telco Satellite Demodulator

Key features: DVB-S & DVB-S2 - E1 E2 E3 T2 T3/DS3 rates - Dual G.703 output for redundancy - dual IF and/or L-band inputs - NoDE

AZ928: High Speed Telco Satellite Demodulator

Key features: DVB-S2 - 155 Mbit/s SDH/SONET rates in 54 MHz or 72 MHz, dual L-band input - adaptive equalizer, NoDE

AZ930: WAN Satellite Demodulator

Key features: DVB-S & DVB-S2 - HSSI interface up to 110 Mbit/s - dual IF and/or L-band inputs - adaptive equalizer - NoDE

Europe

Tel: +32 3 780 65 00

Fax: +32 3 780 65 49

North-America

Tel: +1 (203) 323-0042

Fax: +1 (203) 323-8406

South-America

Tel: +55 (11) 2092 6220

Fax: +55 (11) 2092 3756

Asia-Pacific

Tel: +65 6777 22 08

Fax: +65 6777 08 87

China

Tel: +86 10-823 18 730

Fax: +86 10-823 18 731

MENA

Tel: +971 4 390 18 78

Fax: +971 4 368 67 68

Africa

Tel: +27 11 640 2745

mbr@newtec.eu