

2000 W AST 2000



COMPACT
AIR COOLED



HIGH
EFFICIENCY



SNMP
SIMPLE NETWORK
MANAGEMENT PROTOCOL

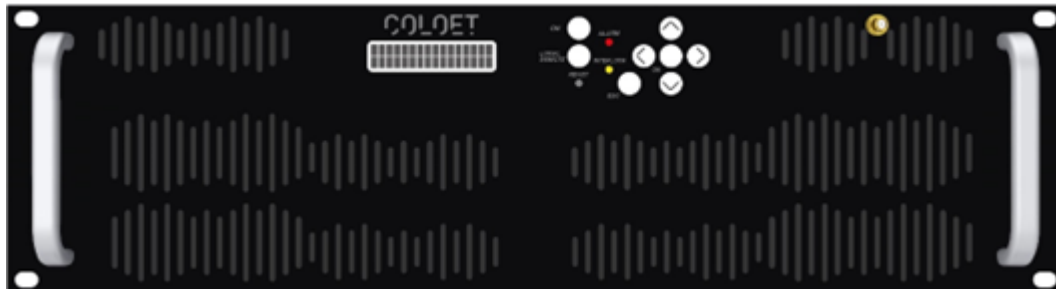


HOT PLUG-IN
POWER SUPPLY / PSU

The COLOET AST FM MULTIAMPLIFIER line is a state-of-the-art heavy-duty FM high efficiency technology.

It is a broadband agile 88-108 MHz, modular design transmitter with an output power from 2.0 KW to over 10 KW.

It basically includes an MPX input and remote control via SNMP and WEB pages and TLC/TLS, but can be equipped with StereoCoder - Fully Dynamic RDS - AES/EBU options. The AST FM transmitter line is designed to fulfill the requests of those remote stations in need of a heavy-duty, cost-effective transmitter design.



- Frequency Agile Broadband 88-108 MHz
- Modular up to 10 KW.
- Overall efficiency more than 70%
- MPX Input
- Optional Stereocoder (L&R), AES EBU inputs
- Optional Dynamic RDS coding embedded
- Ultra High signal to noise ratio, extremely low distortion.
- User friendly GUI.
- Remote control via SNMP, WEB pages, TLC/TLS

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TECHNICAL FEATURES:	
Working bandwidth:	87,5 ÷ 108 MHz
Frequency stability:	± 1 ppm
Output power:	2000 W
Output connector	7/16
Harmonics Attenuation:	≥ 80 dB (with external LPF)
Frequency Deviation:	ΔF ± 75 KHz ... ± 100 KHz
MPX Input:	Band 40 Hz ... 100 KHz impedance > 2KΩ or 600Ω Input level adjustable from -6dBu up to + 6dBu
MONO Input: (L input is the default input, it can be set by the web pages on L or R input)	40 Hz ... 15 KHz impedance > 2KΩ or 600Ω Pre-emphasis 0/50/75μs Level from -6dBu ... up to + 6dBu
AUDIO AUX Input:	from 21 KHz ... up to 100 KHz Input level adjustable from -6dBu up to + 6dBu
L and R Inputs:	Stereocoder Option. Impedance > 2KΩ o 600Ω pre- emphasis 0/50/75 μs Input level adjustable from -12dBu up to + 12dBu Clipper Δf: ON/OFF
AES/EBU Input:	Impedance 110 ohm Sensitivity from 0dBFs up to - 24dBFs
RDS Input:	Optional dynamic RDS encoder
STEREO OUTPUT SPECIFICATIONS with L/R and MPX INPUT	
Amplitude/frequency:	< ± 0.15 dB (30 Hz – 15 KHz)
Total Harmonic Distortion+ Noise:	0.03% @ 400Hz
AM Noise: (MPX Input)	≤ - 60dB ref. amplitude modulation 100% of the carrier
Synchronous AM: (MPX Input)	With f = 400 Hz and Δf ± 75 KHz ≤ - 50 dB ref. amplitude modulation 100% of the carrier.
S/N:	> 70 dB (f= 400 Hz with Δf ± 75 kHz)
Linear Crosstalk: (L/R Input)	< - 55 dB (40 Hz - 15 kHz) (Measured with Δf ± 75 kHz)"
CONTROL AND MONITORING	
Local	Graphic display with push buttons
Remote	SNMP / WEB pages/ TLS-TLC * GSM/LUMTS/GPRS as option
GENERAL SPECIFICATIONS	
Weight	15 kg
Power Supply	47-63Hz 200-264 VAC Single Phase
Efficiency	> 70%
Environmental conditions	
Max altitude	4000 m a.s.l.
Working temperature range	-5 ÷ 45°C
Max relative humidity	95% @ 35°C non condensing
Features and specifications subject to change without notice	