



MAIN FEATURES

- Highest efficiency $\geq 73\%$
- Nominal RF power 50W, 100W, 300W, 500W, 1000W
- Very low signal noise typ. -80 dB
- High stereo performance typ. 60 dB
- Extremely low distortion 0,1%
- Completely broadband
- 6th LD-MOS generation VSWR 65:1
- Large LCD color display with touch panel
- AC mains 90-260 VAC extend range with PFC
- CCIR & FCC compliant
- Remote Control through mobile APP
- Web server

OPTIONS

- AES/EBU
- RDS/RBDS coder
- SNMP V2, V3 remote control
- OIRT and JPN version
- Audio IP
- Digital device



DIGITAL
DEVICE



EVOLUTION
TOUCH



SOFTWARE
ENERGY SAVING



FULL AUDIO
INTERFACE



MOBILE REMOTE
CONTROL

TECHNICAL SPECIFICATIONS



GENERAL

Power Output	50W (typ. 60W), 100W (typ. 110W), 300W (typ. 330W), 500W (typ. 550W), 1000W (typ. 1100W) adjustable from front panel
RF Output Impedance	50 ohm
RF Output Connector	"N"(50-100W), "7/16"(300-500-1000W) type
Monitor RF	BNC connector
VSWR	1,5:1 WITH AUTOMATIC FOLDBACK
Frequency Range	87.5 ÷ 108.00 MHz, on request 66 ÷ 74 MHz (OIRT) 76 ÷ 90 MHz (JPN) Programmable in 10kHz steps
Frequency Stability	±1 ppm from -5 to 45°C
External Reference	10 MHz BNC connector back panel
Type of Modulation	Analog
Off Lock Attenuation	≥ -80 dBc
Modulation Capability	±150 KHz
Limiter built in	
Power Good Detector	adjustable from 20÷90% of the power
Audio Presence Detector	adjustable time from front panel
External AGC	Automatic, with fine ADJ back panel
Modulation Mode	Mono, Stereo, Multiplex, SCA, RDS, Aux
Preemphasis	Flat/50/75µs selectable from front panel
Asynchronous AM S/N Ratio	-70 dB
Synchronous AM S/N Ratio	-60 dB
RF Harmonics	Exceeds EBU/CCIR/FCC requirements
RF Spurious	Exceeds EBU/CCIR/FCC requirements

MONO OPERATION

Audio Input Impedance	600 ohm - 10 Kohm balanced
Audio Input Level	-6 to +12 dBm
Input Connector	XLR female
Audio Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0,1% @ 400 Hz
Intermodulation Distortion	0,1%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0,1% 2.96KHz square wave and 14 KHz sine wave
Distortion	0,1% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.

STEREO OPERATION

Audio Input Impedance	600 ohm - 10 Kohm balanced
Audio Input Level	-6 to +12 dBm
Input Connector	XLR female
Audio Frequency Response	±0.1 dB, 20 Hz to 15 KHz
Total Harmonic Distortion + Noise	0,1% @ 400 Hz
Intermodulation Distortion	0,1%, 1 KHz/1.3 KHz, 1:1 ratio
Transient Intermodulation Distortion	0,1% 2.96KHz square wave and 14 KHz sine wave
FM S/N Ratio	-80 dB below ±75 KHz dev.
Stereo Separation	1kHz ≥ -60dB
Crosstalk attenuation	Main to Sub -70 dB 30 Hz to 15 KHz
38 KHz Suppression	≥ -85 dB
Pilot Frequency	19 KHz ± 1 Hz
Output Pilot	1 Vpp., BNC female

TECHNICAL SPECIFICATIONS

MULTIPLEX OPERATION	Composite Input Impedance	2 Kohm unbalanced
	Composite Input Level	-6 to +12 dBm
	Input Connector	BNC female
	Composite Amplitude Response	±0.1 dB, 30 Hz to 100 KHz
	Total Harmonic Distortion + Noise	0,1% @ 400 Hz
	Intermodulation Distortion	0,1%, 1 KHz/1.3 KHz, 1:1 ratio
	Transient Intermodulation Distortion	0,1% 2.96KHz square wave and 14 KHz sine wave
	FM S/N Ratio	-80 dB below ±75 KHz deviation
AES/EBU OPERATION	Input Connector	XLR female, optical TOS-LINK
	Input Impedance	110 ohm
	Input Level	-20 to +0 dBfs
	Data Format	S/PDF, AES/EBU, IEC958, EIAJCP340/1201
	Sampling Frequency	from 32 to 96 KHz
SCA, RDS, AUX OPERATION	Input Impedance	≥ 2 Kohm
	Input Level	-6 to +12 dBm
	Frequency Response	±0.1 dB, 50 KHz to 100 KHz
	Input Connector	BNC female
AUXILIARY CONNECTIONS	RS485	DB9 connector back panel
	Telemetry Interface	connector DB25 back panel
	LAN	RJ45 connector back panel
	MPX OUT	connector BNC back panel
OPTIONS		AES/EBU -SPDIF
		RDS/RBDS Programmable Coder via PC
		OIRT or JPN version
		SNMP v2 -v3
		Audio IP
ELECTRICAL	AC Input Power	90+260 VAC 50/60 HZ single phase
	AC Apparent Power Consumption	100VA @ 50W, 200VA @ 100W, 450VA @ 300W, 750VA @ 500W, 1400VA @ 1000W
	Cos Ø	> 0.98
	Cooling	Forced air
	Acoustic noise	< -56 dBa @ 1 meter
ENVIRONMENTAL	Operating temperature	-5°C to +50°C
	Max Operating Altitude	4000 mt
	Relative Humidity Range	0 to 90%
PHYSICAL DIMENSION	Mounting	Standard 19" chassis 2 U rack
	Size	W x 483 mm. D x 470 mm. H x 88 mm
	Weight	~ 6,0 Kg. (50-100w), 8Kg. (300-500-1000W)