

### MAIN FEATURES

- RF Efficiency > 86% typ.
- Overall Efficiency > 75%
- Air Cooling system by Forced Air
- Separately Hot-Pluggable Modules
- Nominal Output Power 6000W
- N° 3 x 2.2 kW Hot-Plug Amplifiers (6 kW)
- N° 3 x 3500VA Hot-Plug Power Supplies (6 kW) in parallel configuration
- Very low signal noise typ. -80 dB
- Completely broadband
- 6<sup>th</sup> LD-MOS generation VSWR 65:1
- CCIR & FCC compliant

### OTHER FEATURES ALREADY INCLUDED:

- L+R input
- Stereo Coder
- Web server & SNMP V1
- Large LCD color
- RDS board
- Large LCD color graphic display with touch control
- Standard Tropicalization
- Maximized Efficiency System (MES)
- Ultimate Audio Quality (UAQ)
- Intelligent Air Cooling System (ICS)

### OPTIONS ON REQUEST

- AES/EBU
- SNMP V2c remote control
- OIRT and JPN version
- Audio IP
- Remote Control through mobile APP (iOS/Android)
- Digital Digital Synthesis (DDS)



EVOLUTION TOUCH



SOFTWARE ENERGY SAVING



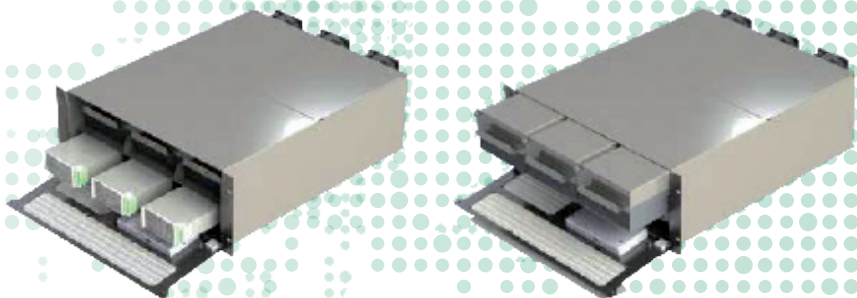
FULL AUDIO INTERFACE



MOBILE REMOTE CONTROL



DIGITAL SERVICE



## TECHNICAL SPECIFICATIONS

<b>GENERAL</b>	Power Output	0-6000W adjustable from web or front panel
	RF Output Impedance	50 ohm
	RF Output Connector	(1+5/8") EIA
	Monitor RF	BNC connector
	VSWR	1,5:1 WITH AUTOMATIC FOLDBACK
	Frequency Range	87.5 ÷ 108.00 MHz Programmable in 100 kHz steps
	Frequency Stability	±1 ppm from -5 to 45°C
	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 @ 100% AM & without modulation
	Synchronous AM S/N Ratio	≥ 60 dB @ 100% AM & with modulation
	RF Harmonics 2f, 3f	≥ -80 dBc
	RF Spurious	≥ -80 dBc
<b>MONO OPERATION</b>	Audio Input Impedance	600 ohm - 10 Kohm balanced
	Audio Input Level	-6 to +12 dBm
	Input Connector	XLR female
	Audio Frequency/Amplitude Response	<+/- 0.15 dB @ 30Hz to 15KHz
	Total Harmonic Distortion (with/without pre-emphasis)	≤ +/- 0.1% @ +/- 75 khz modulation
	FM S/N Ratio	≥ 70dB unweighted & ≥ 75dB weighted
	Intermodulation Distortion	< 0.05%, 1 KHz/1.3 KHz, 1:1 ratio
	Transient Intermodulation Distortion	< 0.05%, 2.96KHz square wave and 14 KHz sine wave
<b>STEREO OPERATION</b>	Distortion	< 0.05%, 2.96KHz square wave and 14 KHz sine wave
	Audio Input Impedance	600 ohm - 10 Kohm balanced
	Audio Input Level	-6 to +12 dBm
	Input Connector	XLR female
	Audio Frequency/Amplitude Response	<+/- 0.15 dB @ 30Hz to 15 KHz
	Total Harmonic Distortion (with/without pre-emphasis)	≤ +/- 0.1% @ +/- 75 khz modulation
	Intermodulation Distortion	< 0,05%, 1 KHz/1.3 KHz, 1:1 ratio
	FM S/N Ratio	≥65dB unweighted & ≥ 70 dB weighted
	Transient Intermodulation Distortion	< 0,05% 2.96KHz square wave and 14 KHz sine wave
	Stereo Separation	30 Hz ÷ 100 Hz -43dB, 100 Hz ÷ 15kHz -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

<b>MULTIPLEX OPERATION</b>	Composite Input Impedance	2 Kohm unbalanced
	Composite Input Level	-6 to +12 dBm
	Input Connector	BNC female
	Audio Frequency/Amplitude Response	<+/- 0.15 dB @ 30 Hz to 100 KHz
	Total Harmonic Distortion (with/without pre-emphasis)	≤ +/- 0.1% @ +/- 75 khz modulation
	FM S/N Ratio	-80 dB below ±75 KHz dev.
<b>AES/EBU OPERATION</b>	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
<b>SCA, RDS, AUX OPERATION</b>	Input Impedance	≥ 2 Kohm
	Input Level	-6 to +12 dBm
	Frequency Response	±0.1 dB, 50 KHz to 100 KHz
	Input Connector	BNC female
<b>AUXILIARY CONNECTIONS</b>	RS485	DB9 connector back panel
	Telemetry Interface	connector DB25 back panel
	LAN	RJ45 connector back panel
	MPX OUT	connector BNC back panel
<b>OPTIONS</b>		AES/EBU -SPDIF
		include RDS/RBDS Programmable Coder via PC
		OIRT or JPN version
		SNMP V2c aviable MIB browser
<b>ELECTRICAL</b>		Audio IP
	AC Input Power	200-380V 47/63Hz 3phase /single phase ±20%
	AC Apparent Power Consumption	8000VA @ 6000W
	Cos ∅	> 0.98
	Cooling	Air Forced
	Efficiency	≥ 73%
<b>ENVIRONMENTAL</b>	Operating temperature	-5°C to +50°C
	Max Operating Altitude	3000 mt
	Relative Humidity Range	0 to 90%
<b>PHYSICAL DIMENSION</b>	Mounting	2+4 Standard 19" rack unit
	Size	W x 482mm D x 600mm H x 270mm
	Weight	~ 38 Kg