

CONDOR 50 AUDIO PROCESSOR

THE CONDOR 50 IS A 5 BAND DIGITAL AUDIO PROCESSOR INTEGRATING A BASS ENHANCER, A NOISE GATE, A DIGITAL STEREO ENHANCER, A MPX STEREO CODER AND A RDS CODER. THE CONDOR 50 HAS TWO RS 232 SERIAL PORTS OPTICALLY ISOLATED (NOT OPTICALLY COUPLED) WHICH ASSURE MAXIMUM IMMUNITY FOR DISTURBING NOISES COMING FROM OTHER EQUIPMENT. THE EQUIPMENT IS SUPPLIED WITH A PC CONTROL SOFTWARE FOR BOTH LOCAL AND REMOTE CONTROL, TO GREATLY SIMPLIFY THE MANAGEMENT TO BROADCASTERS. THROUGH A STANDARD PC, THE SOFTWARE ALLOWS THE REMOTE MONITORING AND CONTROL OF ALL THE PROCESSOR STAGES (STARTING FROM THE GENERATION OF THE MPX SIGNAL AT AGC LEVEL) AS WELL AS THE STATEMENT OF THE MESSAGES AND INFORMATION PROVIDED BY THE RDS ENCODER. BY MEANS OF ITS EXCLUSIVE DESIGN, THE CONDOR 50 ALLOWS AN EXTRAORDINARY SAVING OF SPACE AND MONEY, SINCE IT INCLUDES FOUR DIGITAL UNITS IN A SINGLE BOX, THUS AVOIDING COMPATIBILITY PROBLEMS WITH THE CONNECTION TO ANY TYPE OF EQUIPMENT AND MANUFACTURERS.

THE CONDOR 50, FULLY DIGITAL UNIT BASED ON 9 POWERFUL DSP, FEATURES:

- ✦ 5 BAND DIGITAL PROCESSOR OPERATED BY 30 FACTORY PRE-SETS PROGRAMMED CURVES.
- ✦ EDITING UP TO 10 DIFFERENT USER PRE-SETS (IN NON-VOLATILE MEMORY) PERSONALISED EQUALIZATIONS, EASILY SAVEABLE AND RECALLABLE.
- ✦ SETTING PARAMETERS TO CREATE A UNIQUE SOUND, WHICH WILL IDENTIFY THE RADIO STATION IN AN UNMISTAKABLE WAY. ALTERNATIVE PARAMETERS THAT CAN BE SET ARE: SUPER BASS TYPE, SUPER BASS LEVEL, BASS COMPRESSOR, MID1 COMPRESSOR, MID2 COMPRESSOR, MID3 COMPRESSOR, HIGH COMPRESSOR, BROADBAND DENSITY, BRILLIANCE. DIGITAL MPX CLIPPER BUILT-INTO THE STEREO CODER, ASSURING NO AUDIBLE ARTEFACTS AND A PERFECT CONTROL OF MAX FREQUENCY DEVIATION. DIGITAL STEREO ENHANCER WITH SETTING PARAMETERS, NEEDED TO REACH THE PSYCHOACOUSTIC DESIRED EFFECT. THIS INTEGRATED FEATURE ALLOWS MAXIMUM EXPRESSION OF STEREOPHONIC EFFECT AND FULL CONTROL OF THE PARAMETERS WITHOUT AFFECTING THE MODULATION STABILITY.



✦ SPECIFICATIONS CONDOR 50

Power supplies	From 220/230 V (110/115 V internal setting); 50-60Hz, single phase.
Dimensions (W x H X D) mm	482 x 44 x 352 (570 x 130 x 420 Package)
Weight	6 Kg (7 Kg. Package)
Output filter characteristics	Low Pass 15 KHz (FIR-84 Taps, 15 KHz / -0.1 dB, 17 KHz / -70 dB)
Output Connectors	Type XLR male
Conversion	24 bit Codec
Configuration	Pre-emphasized (50µs or 75 µs) internal or external
Output Level	-4 dBu to 20 dBu (Adjustable with 1 dBu Steps)
Output Impedance	600 Ohm balanced EMI suppressed
Input / Output Delay	< 1.5 m sec.
Tone generation	1 KHz, Ref 100 % Modulation

✦ CODE MODEL DESCRIPTION

0000170387	CONDOR 50	Digital 5 Band Audio Processor
0000170052	CONDOR 50A	Digital 5 Band Audio Processor with Option A
0000170053	CONDOR 50B	Digital 5 Band Audio Processor with Option B
0000170445	CONDOR 50AB	Digital 5 Band Audio Processor with Option A + B
Available Options		
0000170397		AES/EBU (Digital Input) for CONDOR 50
0000170396		RDS (RDS Software) for CONDOR 50