

PLUG N PLAY 1000

All new PNP-1000 produces 1000 Watts of FM signal from any analog or digital source and is easily rack mounted.

The Plug N Play products use the latest in digital and RF technology coupled with proven exciter technology from Broadcast Electronics. The exciter portion of the transmitter takes advantage of recent advances in DSP speed and efficiency to provide performance previously not available at prices like this.

PNP-1000 Features

- Latest in digital exciter technology.
- Accepts analog or digital audio input from an STL, ISDN or direct feed.
- Built in stereo generator.
- Up to 1000 Watts into 1.5 to 1 VSWR.
- Full remote control ready.
- Easy to install, it is a "Plug N Play".
- Rack mountable.
- Digital Input: AES/EBU, SPDIF, TOSLINK.
- Analog Input: composite, left and right audio.
- Rugged MARTI construction.
- UPS shippable.



PNP-1000 Specifications

GENERAL

RF Power Output:	250 to 1000 Watts.
Frequency Range:	87.5MHz to 108MHz.
Output Impedance:	50 ohms nominal.
Output Connector:	Type "N" female, standard, optional 1-5/8".
VSWR:	Rated Power (1kW) into 1.5:1 VSWR maximum at all phase angles. Open and short circuit protected.
Frequency Stability:	±300Hz, 3ppm; -10C to +50C.
Modulation Type:	Digital FM.
Modulation Capability:	>150kHz; 350kHz max.
Asynchronous AM S/N Ratio:	55dB below rated power reference carrier with 100% AM modulation at 1kHz, 75µsec. de-emphasis (no FM modulation present).
Synchronous AM S/N Ratio:	50dB below rated power reference carrier with 100% AM modulation at 1kHz, 75µsec. de-emphasis with FM modulation ±75kHz at 1kHz.
Spurious and Harmonic:	73dB or better.
AC Input:	95 to 130VAC, 195 to 264VAC; can be selectable; 47-63Hz.
Dimensions:	21" H x 19" W x 19" D.
Boxed Dimensions:	30" H x 23" W x 25" D.
Weight:	Net 126 lbs. Shipping 149 lbs.
ENVIRONMENTAL	
Temperature Range:	-10°C to +50°C.
Altitude:	7500ft. (2286m) @ 50Hz, 10,000ft. (2048M) @ 60Hz.

ANALOG L & R INPUT

Input Level:	Jumper selectable (-10, 0, +4, +8dBm) for 100% modulation @ 400Hz.
Input Impedance:	Balanced 600 ohms or 10k ohms; jumper selectable.
Frequency Response:	±0.5dB; 30Hz to 15kHz; Flat, 50µsec, or 75µsec. pre-emphasis.
Total Harmonic Distortion + Noise:	0.05%; 30Hz to 15kHz.
FM S/N Ratio:	73dB below 100% modulation at 400Hz measured in a 22Hz to 22kHz bandwidth with CCIR weighted filter.
Channel Separation:	45; 30Hz to 15kHz; L to R or R to L.

COMPOSITE INPUT

Input Level:	1.5V peak to peak; 100% modulation @ 400Hz; adjustable.
Input Impedance:	50 ohms or 100K ohms jumper selectable.
Frequency Response:	±0.5dB; 30Hz to 10kHz.
Total Harmonic Distortion + Noise:	0.07% at 1kHz.
FM S/N Ratio:	73dB below 100% modulation at 400Hz measured in a 22Hz to 22kHz bandwidth with CCIR weighted filter.
Separation:	40dB; 30Hz to 15kHz; L to R or R to L.

SUBCARRIER INPUT

Input Level:	+8dBm.
Input Impedance:	Balanced 600 ohms or 10k ohms; jumper selectable.
Frequency:	67kHz internally generated.
Deviation:	5kHz or 7.5kHz; jumper selectable.
S/N Ratio:	50dB or better.

CALL (217) 224-9600

FAX (217) 224-9607

WEBSITE: www.martielectronics.com


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