



# MIRACLE MPX

## 4 BAND FM AUDIO PROCESSOR



For stations on a tight budget, no FM processor is better value than the ONAIR MIRACLE MPX.

The MIRACLE MPX has a four-band gated AGC and a four-band, program-dependent limiter. Parametric bass enhancement, distortion-controlled clipping and composite clipping with pilot protection further contribute to keeping your station's sound consistently loud and artifact free. The MIRACLE MPX gives you a competitive edge-and builds listenership and revenue-by enabling you to achieve the tailored sound and loudness needed to make your station distinctive.

ONAIR's proven presets, as well as intuitive local and remote interfaces help you get your MIRACLE MPX on air fast. Whether you are a processing novice or expert, you'll easily achieve a signature sound for your station's format. MIRACLE MPX is designed for unsurpassed reliability and trouble-free operation in the world's most challenging installations.

MIRACLE MPX has world-class stereo encoder, a real-time clock for preset scheduling, preset A/B switching, graphic LCD display, serial and TCP/IP remote control interfaces, and both analogue and AES/EBU digital inputs.

MIRACLE MPX is designed to exactly meet your needs and budget.

### Features

- Analogue and digital (AES/EBU) inputs
- 4-Band gated AGC
- 4-Band program-dependent limiting
- Distortion cancelled clipping
- High performance DSP stereo encoder with composite clipping control
- Low latency
- RS232 and TCP/IP Net interfaces for remote control
- Real time clock for preset scheduling
- Preset trigger port
- Full range of user presets with A/B switching
- Security (password) control
- Software 'FLASH' upgradable
- Pilot protection filter



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### Technical Parameters

Analog Input	Nom. Input Level	-12 to +12dBu
	Max Input Level	+24dBu
	Connectors	XLR floating, EMI suppressed
	A/D Conversion	24 bit 48 kHz 128x oversample
Digital Input (AES/EBU)	Sampling Rate	32-96 kHz
	Connector	XLR floating, EMI suppressed
Stereo Encoder	Output Level	0 to +12dBu
	Connector	BNC, floating
	D/A	24 bit 768 kHz
	Stereo separation	>70dB (typ. > 75dB)
	SCA Input	BNC floating
	Pilot Output	BNC, 5V
Remote Interface	RS232	DB9
	NET/LANRJ45	EMI shielded
Other	Processing Latency	6 ms
	Power	85-265 VAC 50-60Hz
	Size	44x482x200 mm
	Weight	1.6 Kg