

NEW
MXi Series
Analog / Digital Solid State VHF Transmitters
1Watt to 500Watts and beyond



MXi Series 100W - DVB

MXi Series: *Incite. Intuitive Progress. Anywhere.*

LARCAN's *new* Low Power Series of transmitters provides analog to digital progress with any standard – *anywhere*. Choose from 1 Watt to 500 Watts analog and beyond.

Designed to address the innovative needs of emerging DVB-T/DVB-H markets and Single Frequency Networks worldwide – MXi Series is a complete solution for analog & digital broadcast applications, mobile video and beyond. MXi Series meets all your analog needs with innovations in design and superior performance.

MXi Series is a simple and intuitive solution – embodied in a compact design. With features that utilize a touch-sensitive LCD display – designed to monitor and report all operating parameters – you are ensured of superior quality across all standards. The MXi Series' amplifier is true broadband – with innovations in delivering extreme linearity, anywhere.



LARCAN's MXi Series delivers broadcast innovation and unsurpassed performance by design. Developed from 'start to success' with the same renowned LARCAN quality and design of our high power broadcast solutions – the MXi Series seamlessly integrates proven technology with the next steps in rugged and rich delivery.

A compact design with clear and consistent results – it's the best choice for broadcasters worldwide looking for next generation innovations in broadcast network solutions.

MXi Series: *Incite. Intuitive Progress. Anywhere.*
Analog Solutions for Broadcast and beyond
Choose from 1 Watt to 500 Watts and beyond

- Capable of all Standards in Analog, Digital, DVB and DVB-H.
- State-of-the-art digital modulator for optimum performance
- Broadband Design, Frequency Agile
- Same High Performance FET amplifier design used in proven M Series
- Field Proven for Digital & DVB Operation
- Fully Regulated Power Supplies
- Compact and Reliable
- Integrated Cooling System designed for extreme conditions



MXi Series

Analog / Digital Solid State VHF Transmitters
1Watt to 500Watts and beyond

LOOK TO LARCAN FOR TRULY MADE TO MEASURE SOLUTIONS

LARCAN's MXi Series is 'customer-fit' engineered to produce a superior signal, anywhere. Our solutions bring you the best in broadcast technology. Customer driven and purpose designed for optimum performance across all standards, digital and analog – we integrate our expertise with your unique application to deliver results.

Our broadcast solutions are the product of innovation at its best – delivering superior performance, quality, reliability and service.
A solid, simple and superior design – LARCAN is the best fit for broadcasters who want the ultimate in performance.



Looking for a Better Fit?
We hear you. Loud and clear.



**MXi Series
100W Solution**

A complete solution for your Analog, Digital, DVB-T/DVB-H and Single Frequency Network broadcast needs – the MXi Series is available from 10 Watts to 200 Watts digital and 1 Watt to 500 Watts analog.

Each of the MXi Series solutions are complete with modulator, power supplies and air-cooling fans and filters. The result is innovation and intuitive performance.
LARCAN, your best digital fit!

**LARCAN State-of-the-art
Amplifier Technology**





MXi Series - Analog VHF
LARCAN MXi Series
PAL Transmitter Specifications

Transmitter model number: Specification:		MXi 101V PAL	MXi 201V PAL	MXi 401V PAL		
Output	Power	100	200	500		
	Frequency	54-88 MHz, 174-230 MHz				
	Output Connector	N Type				
Input	Input Impedance	75 ohm				
	Input Level	0.2 to 2.0 V p-p				
Performance	System B					
	-4.43 MHz	-42 dB				
	-1.25 MHz and lower	-24 dB				
	Carrier to -0.5 MHz	±0.5 dB				
	Carrier to +200 kHz	0 dB (ref)				
	Carrier to +5.0 MHz	±0.5 dB				
	5.0 MHz to 7.0 MHz	-30 dB				
	System D					
	-4.43 MHz	-42 dB				
	-1.25 MHz and lower	-24 dB				
	Carrier to -0.5 MHz	±0.5 dB				
	+1.5 MHz	0 dB (ref)				
	Carrier to +5.8 MHz	±0.5 dB				
6.5 MHz to 8.0 MHz	-30 dB					
Frequency Stability	±150 Hz					
Harmonic Radiation	100 dB					
Three Tone IMD	-55 dB					
Vision	Differential Phase	±3°				
	Differential Gain	±3%				
	2T Pulse Response	1%				
	ICPM	±3°				
	Video Noise	-55 dB				
Sound	FM Noise	-60 dB				
	AM Noise	-60 dB				
	Distortion	0.5%				
	Response	±0.5 dB				
General	Power Requirements	kVA	0.55	0.85	1.55	
	Voltage		120-240 VAC 50/60 Hz			
	Dimensions	h	mm	133.35	133.35	266.7
		w	mm	482.6	482.6	482.6
		d	mm	609.6	609.6	609.6
	Temp Range		0 to 45 °C			
	Altitude		2300 m			
	Humidity		95%			
	Cooling		Forced Air			