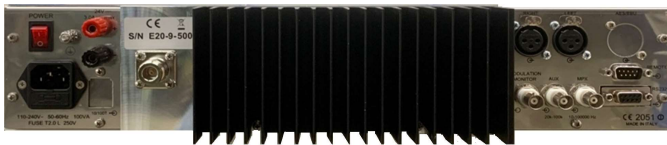# Marti STL – GTX Series

Key Features & Benefits

The GTX/GRX is a modern direct-synthesis, frequency-agile Studio to Transmitter Link (STL) with a wide frequency range spanning from VHF to SHF. Both transmitter and receiver offer full digital readout with a simple and intuitive front panel jog wheel, coupled with extensive RS232-based programmability and monitoring. A web-based UI is also available.
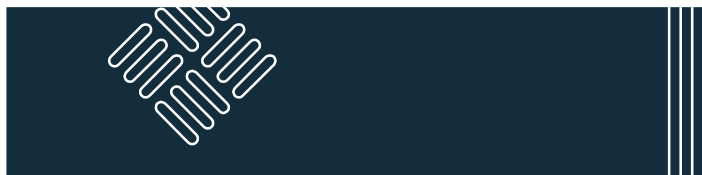
With excellent modulation characteristics including low noise, distortion, and broad passband, the GTX/GRX is a superior and low-maintenance STL.
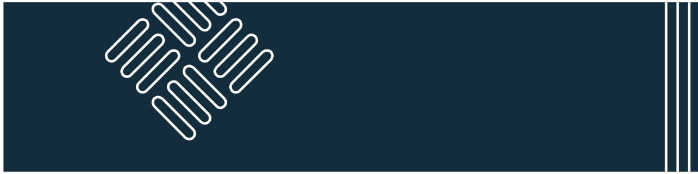
- Compact, direct modulated low noise synthesized, oscillator, with 10 or 25 kHz programming step.

- External in-field programmability of frequency and power, without any special instrument over a broad range.

- Simple and modular internal construction facilities stage testing and servicing.

- Stable, high precision and temperature compensated crystal time-base.

- Balance/unbalanced audio, MPX and separate auxiliary SCA / RDS channel input, wide range level adjustable in small steps.

- Up to 6 separate LF input and output connectors plus RF/IF monitor for extended flexibility of use.

- Optional high-performance digital stereo-encoder and decoder. This option may also be installed as an upgrade in the field.

- Narrow low-loss microwave input filter for high sensitivity and excellent performance in highly noisy RF environments.

- High efficiency, low-noise switch-mode power supply, with extended 90-260 VAC input range and battery backup input with recharging option.

- Complete digital control of all internal circuitry and extremely wide monitoring facilities. RS232 port for complete remote control.

Marti STL – GTX Series

SPECIFICATIONS

GTX/GRX - Series	
Frequency Ranges	215 MHz - 270 MHz
	300 MHz - 380 MHz
	400 MHz - 470 MHz
	810 MHz - 890 MHz
	890 MHz - 960 MHz
	1.4 GHz - 2.6 GHz (Special Request)
Power Level	7-20 watts to 960 MHz., 2-5 watts 1.4 to 2.6 GHz
Frequency Selection	Front panel frequency agile selection
Modulation	FM
Bandwidth	30 Hz-15Khz
S/N	80db typical Mono, 77dB typical stereo
Preemphasis	0/50/75us
Distortion	0.20%
RF Connector	N female / 50 Ohms
Audio I/O	Stereo Left and Right XLR, AES XLR
AC Supply	90-260 Vac 50/60 Hz
DC Supply for Backup	22-28 VDC < 2.8A @24 VDC
Power Consumption	45W @ 5W output, <125 W @120 W output (GRX <15W)
Operating Temps	Recommended: 32 to 95° F, 0 to 35° C Maximum: 14 to 113° F, -10 to 45° C
Dimensions	19.02x3.46x12.6 in 483x88x320 mm
Weight	12.13lbs / 5.5 Kg

Marti STL – GTX Series

Ordering Information

Frequency Range	Marti Transmiter STL Model	Features
215 – 270 MHz	GTX-200M	MPX, Mono, and Stereo composite inputs. Full Digital Control. RS232 Port
	GTX-200S	Adds L&R Stereo encoder and inputs to GTX-200M
	GTX-200AES	Adds AES/EBU Digital Audiointerface to GTX-200S
300 – 380 MHz	GTX-300M	MPX, Mono, and Stereo composite inputs. Full Digital Control. RS232 Port
	GTX-300S	Adds L&R Stereo encoder and inputs to GTX-300M
	GTX-300AES	Adds AES/EBU Digital Audiointerface to GTX-300S
400 – 470 MHz	GTX-400M	MPX, Mono, and Stereo composite inputs. Full Digital Control. RS232 Port
	GTX-400S	Adds L&R Stereo encoder and inputs to GTX-400M
	GTX-400AES	Adds AES/EBU Digital Audiointerface to GTX-400S
810 – 890 MHz	GTX-800M	MPX, Mono, and Stereo composite inputs. Full Digital Control. RS232 Port
	GTX-800S	Adds L&R Stereo encoder and inputs to GTX-800M
	GTX-800AES	Adds AES/EBU Digital Audiointerface to GTX-800S
890 – 960 MHz	GTX-900M	MPX, Mono, and Stereo composite inputs. Full Digital Control. RS232 Port
	GTX-900S	Adds L&R Stereo encoder and inputs to GTX-900M
	GTX-900AES	Adds AES/EBU Digital Audiointerface to GTX-900S

Frequency Range	Marti Receiver STL Model	Features
215 – 270 MHz	GRX-200M	MPX, Mono, and Stereo composite outputs. Full Digital Control. RS232 Port
	GRX-200S	Adds L&R Stereo decoder and outputs to GRX-200M
	GRX-200AES (Coming Soon!)	Adds AES/EBU Digital Audiointerface to GRX-200S
300 – 380 MHz	GRX-300M	MPX, Mono, and Stereo composite outputs. Full Digital Control. RS232 Port
	GRX-300S	Adds L&R Stereo decoder and outputs to GRX-300M
	GRX-300AES (Coming Soon!)	Adds AES/EBU Digital Audiointerface to GRX-300S
400 – 470 MHz	GRX-400M	MPX, Mono, and Stereo composite outputs. Full Digital Control. RS232 Port
	GRX-400S	Adds L&R Stereo decoder and outputs to GRX-400M
	GRX-400AES (Coming Soon!)	Adds AES/EBU Digital Audiointerface to GRX-400S
810 – 890 MHz	GRX-800M	MPX, Mono, and Stereo composite outputs. Full Digital Control. RS232 Port
	GRX-800S	Adds L&R Stereo decoder and outputs to GRX-800M
	GRX-800AES (Coming Soon!)	Adds AES/EBU Digital Audiointerface to GRX-800S
890 – 960 MHz	GRX-900M	MPX, Mono, and Stereo composite outputs. Full Digital Control. RS232 Port
	GRX-900S	Adds L&R Stereo decoder and outputs to GRX-900M
	GRX-900AES (Coming Soon!)	Adds AES/EBU Digital Audiointerface to GRX-900S

Marti STL – GTX Series

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