

XLink

Frequency agile Analog and Digital STL Systems



XLink is Armstrong's newest generation of field proven STL systems. This microprocessor controlled system is frequency agile with improved sensitivity and better selectivity.

The front panel LCD display provides easy control and monitoring of system parameters plus the XLink is remote control ready.

XLink is a perfect platform for your digital conversion as it quickly interface with Armstrong's DX Series of Digital encoders and decoders.

XLink is backed by Armstrong's one year part and labor warranty, our 24/7 technical support and our emergency loaner program.

Features

- Frequency Agile
- Microprocessor Controlled
- Front Panel Tuning
- LCD display of all parameters
- Remote Control Ready
- Composite & Mono inputs
- Frequency ranges from: 940-960MHz standard (200 -1100MHz by Special Order)

XLink

Technical Specifications

XLink Transmitter Electrical Specifications

RF Power Output	1 to 10 Watts Continuously Variable
RF Output Impedance	50 Ohm
RF Output Connection	Type "N" Female
Frequency Range	940 - 960 mHz, 12.5kHz Steps standard 200mHz-1100mHz in 20mHz Steps by Special Order Only
Harmonic and Spurious Suppression	Meets or Exceeds all FCC/CCIR/IC requirements
Frequency Stability	0.00015%
Modulation Type	Direct FM
Pre-emphasis	75 μ s
Power Consumption	130 Watts
Power Requirements	24 VDC / 100-200V / 198-250V / 50-60Hz
Composite Input	10K Ohm, BNC Female/ 0 dBm for 75kHz Dev.
Composite Harmonic Distortion	0.04% or less
Composite FM S/N Ratio	>70dB
Composite Frequency Response	\pm 0.3 dB or less 30Hz to 100kHz
Stereo Separation	>55dB
Monaural Input	600 ohm, 0dBm for 75 kHz Dev. (terminal strip connection)
Monaural Frequency Response	\pm 0.3 dB or less 30Hz to 15kHz
Total Monaural Harmonic Distortion	0.04% or less
SCA Input	10K Ohm, 3 BNC Female 0 dBm for 7.5kHz Dev.
SCA Amplitude Response	0.05% or less

XLink Receiver Electrical Specifications

Frequency Range	940 - 960 mHz, 12.5kHz Steps standard 200mHz-1100mHz in 20mHz Steps
RF Input Connection	Type "N" Female 50 Ohms
Sensitivity	MPX <50 μ V for 65 dB SNR Mono <35 μ V for 65 dB SNR
Selectivity	3dB IF Bandwidth \pm 100kHz 70 dB IF Bandwidth \pm 60 0 kHz
Composite Output	+13dBm, BNC Female 600 Ohm unbalanced
Monaural Output	+13dBm, BNC Female 600 Ohm balanced
SCA Outputs	0 dBm, 3BNC Female 600 Ohm unbalanced
Stereo Separation	>50dB
THD	<0.2%

System Mechanical and Environmental Specifications

Dimensions	19" W X 13.4" D X 3.25H
Weight (each)	19 lbs
Cooling	Forced Fan
Operating Temperature	-10C to +50C
Humidity	95% maximum
Altitude	7500' (2300m) max ASL



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