

LINKTECH STL SPECIFICATION :

Description

STL10 Studio to Transmitter Link / Inter-city Relay is a VHF / UHF FM communications system providing a high quality broadcast audio channel with variety optional bands.

These systems offer greater rejection of interference, superior noise performance, much lower channel cross-talk, and greater redundancy than currently available composite STL systems.



axel BROADCAST

LINKTECH
STL LINK 10 WATT

STL LINK TECH 10W SPECIFICATIONS:

- BAND FREQUENCY
300 MHz ÷ 355 MHz
- AUDIO PERFORMANCE:
Kualitas Audio CD Quality
- BEST PRICE
Harga STL Link lebih Ekonomis
- INPUT / OUTPUT
Stereo Audio Input R & L, MPX
- INTERFACE CONTROL
Parameter Forward, Reflected
Frequency ditampilkan pada LCD

SERTIFIKAT POSTEL

THE BEST PRICE BESTSELLER

LIMITED 1 YEAR WARRANTY

www.pemancar-fm.com

Low noise: the excellent signal to noise ratio either in mono or in stereo allows the use of this STL's in multi-hops networks without decreasing the audio quality.
High sensitivity: it allows to reduce the STL's antennas investment.
Great RF immunity: allows to operate in most hostile RF environments.
High adjacent channel rejection: obtained thanks to the excellent mechanical shielding and the precision of RF filtering.
High frequency stability with the internal temperature compensated crystal reference.

Integrated LCD Display: complete diagnostic and measurement front panel LCD displays.

Integrated information display and protection controls: for all transmit parameter and protection for malfunction.

Features

Synthesized from 220 to 260MHz, 300 to 320MHz, 320 to 340MHz, 400 to 420MHz and 450 to 490MHz.

The transmitted and received frequency can be easily set by digital front panel. Suitable for digital audio. The subsonic over modulation and the low frequency phase distortion are controlled by a feedback circuit in order to exalt the audio quality of the latest digital systems.

Low THD distortion: the THD value with stereo or mono demodulated and deemphasized signals is negligible.

Flat frequency response: due to the latest generation technology and the components precision the flatness of frequency response is absolute.

Specification

Frequency range: 220 to 239.99 MHz , 240 to 259.99 MHz , 300 to 319.99 MHz, 400 to 419.99 MHz , 450 to 469.99 MHz , 470 to 489.99 MHz.

- Modulation: FM, ± 75 KHz peak deviation
- Frequency stability: $< \pm 100$ Hz
- RF output power: 0 to 25 W ± 0.5 dB
- Max reflected power: 5 W
- Harmonic suppression: < -65 dBC
- RF output impedance: 50 Ω
- RF output connector: N Type -female
- Audio/MPX input level: -10 to +13 dBm @ ± 75 KHz deviation
- Audio/MPX input impedance: 10 K Ω / 600 Ω , Balanced / unbalanced
- Audio input connector: XLR-female
- AUX / MPX input level: -10 to +13 dBm @ ± 75 KHz deviation
- AUX channel input impedance: 10 K Ω
- MPX and AUX input connector: BNC-female
- Pre-emphasis: 0 / 25/ 50 / 75 us
- S/N ratio Mono: > 73 dB (20 to 20 KHz)
- S/N ratio Stereo: > 68 dB (20 to 15 KHz)
- Distortion: $< 0.05\%$ THD @ ± 75 KHz dev.
 $< 0.2\%$ THD @ ± 150 KHz dev. (limiter threshold > 150 KHz)
- Stereo crosstalk: > 60 dB (100 to 5 KHz)
 > 50 dB (20 to 15 KHz) int. MPX encoder
 > 60 dB with ext. MPX encoder
- Audio channel frequency response: 20 to 15 KHz ± 0.15 dB
- MPX input frequency response: 10 to 100 KHz ± 0.15 dB
- AUX input frequency response: 10 to 100 KHz ± 0.15 dB
- Mains power supply requirements: 90~264VAC; 127~370VDC, Full range universal input
- Operating temperature range: -10 to 45 $^{\circ}\text{C}$
- Dimensions : 483 x 132.5 x 400 mm, rack std. 19" 2U
- Weight: 6.5 Kg

TECHNICAL CHARACTERISTICS of RECEIVER

- Frequency range: 220 to 239.99 MHz , 240 to 259.99 MHz , 300 to 319.99 MHz, 400 to 419.99 MHz , 450 to 469.99 MHz , 470 to 489.99 MHz.
- Sensitivity: -98 dBm at 16 dB SINDA
- Frequency response: 20 Hz to 53 KHz ± 0.1 dB
- Stereo separation: 20 Hz to 15 KHz > 58 dB
- S/N Ratio : > 65 dB @-40 dBm , 75 KHz dev. and 1 KHz mod.
- THD : 20 Hz to 53 KHz $< 0.3\%$
- Selectivity: ± 160 KHz at -3 dB IF BW
 ± 500 KHz at -62 dB IF BW
- Image rejection: > 65 dB
- Stereo audio output impedance: 600 Ω balanced
- Stereo audio output connector: XLR-M
- MPX output impedance: 10K Ω
- MPX output connector: BNC-F
- Monitor output: $> 2 \times 0.2$ W stereo at 120 Ω
- Monitor output connector: 6.3mm stereo phone jack
- RF input impedance: 50 Ω
- RF input connector: N Type -female
- AC power: 85~264VAC; 120~370VDC, Full range universal input
- Power consumption: approx 25W from AC
- Operating temperature range: -10 to 45 $^{\circ}\text{C}$
- Dimensions : 483 x 89 x 320 mm , rack std. 19" 2U
- Weight: 5 Kg

ANTENNA STL :

Type	7-Element Yagi
Narrative	7 element yagi, 9db directional gain. Black finish. Includes mounting hardware.
Bandwidth @ Rated VSWR (MHz)	70
Gain (dBd)	9
General Frequency (MHz)	340-460
Downtilt (Deg.)	None
Gain (dBi)	11.2
Connector Placement	Center
Front to Back Ratio (dB)	Not Specified
Horizontal Beamwidth (Deg)	45
Connector (direct)	N Female
Polarization	Vertical
Bending Moment @ RWV (ft-lb)	Not Specified
Jumper Included	None
Maximum Power Input (Watts)	300
Lightning Protection	DC Ground
Incl. Hardware Fits	up to 1.5" pipe
Specific Frequency (MHz)	340-460
Vertical Beamwidth (Deg)	45
Lateral Thrust @ RWV (lb)	Not Specified
Size (L x W x H)	34" x 10" x 4"
VSWR	2:1
Null Fill	N/A
Weight (lb)	1.25
Mount Hdw. Incl.	U-bolts
Wind Load (sq-ft)	Not Specified
Sidelobe Suppression (dB)	N/A
Rated Wind Velocity (RWV, MPH)	100