Moseley

Product Catalog

AURAL STUDIO-TRANSMITTER LINKS

Studio-Transmitter Link Systems offer significant long term savings over the costs of leased telephone circuits. The PCL-606 and PCL-505 STL Systems give the broadcaster complete control of station facilities as well as superior response, distortion and transient characteristics. Completely wireless remote control can be integrated with the STL for even greater returns on investment. 148-174, 215-240, 300-330, 370-470, 890-960 MHz and 1.5-1.71 GHz bands are standard. Other frequencies available on special request.

PCL-606 Crowded RF environments are natural to the PCL-606 and PCL-606/C Aural Studio-Transmitter Links. A rugged all-new design using the latest techniques and components gives the user ultra-low noise and distortion, excellent selectivity and outstanding frequency stability. Furthermore, the balance between distortion and selectivity can be optimized with a user-selected bandwidth.

The PCL-606/C transmits composite stereo over a single RF carrier, while two monaural PCL-606's may be used in the "split channel" method to provide a stereo signal. Both are equipped with built-in automatic transfer circuitry to prevent carrier interruption. They have extensive built-in switch-selectable diagnostic metering capabilities in transmitter and receiver, and all normal service adjustments are easily accessible through the module and unit tops.

PCL-505 The Model PCL-505 and PCL-505/C Aural Studio-Transmitter Links offer superior program handling capabilities. Stripline techniques and direct FM provide dependable performance. Solid-state integrated circuitry and continuous duty design make for easy operation and maintenance.

The PCL-505/C transmits composite stereo on a single RF carrier. Two monaural PCL-505's in a dual configuration provide "split channel" stereo transmisison. Optional automatic transfer panels assure continuous stereo broadcast in case of carrier interruption, a system pioneered by Moseley.

COMMUNICATIONS LINK

CL-100 The Model CL-100 Control/Telemetry Link allows you to transmit telemetry or control data on the 450 MHz band to or from your control point. The CL-100 Receiver and Transmitter have been built for continuous duty and unattended service. An optional MCW Identifier is available, and a separate MIC input for voice communication is also provided. A 10W output is optional.

STL-CTL/TSL-ACCESSORIES

TPT-2 The Model TPT-2 Transfer Panel Transmitter monitors RF power output of the operating transmitter, and automatically switches RF output and program input to the alternate transmitter in the event of a carrier failure.

TPR-2 The Model TPR-2 Transfer Panel Receiver provides automatic switching of program and multiplex outputs from aural studio-transmitter link receivers. The TPR-2 can handle monaural or composite audio signals.

ECP-5 The Model ECP-5 Extension Control Panel functions with Models PCL-505 and PCL-505/C STL Transmitters. Control of carrier and metering of forward power and AFC voltage are provided on an extension basis by the ECP-5.

ICU The Model ICU-(1D/2D/3D/5D) Isocoupler series facilitates the connection of an STL, RPU, or CTL/TSL Transmitter or Receiver to an antenna mounted on an ungrounded standard AM broadcast tower.

MISC.

The Model PD-1000 Power Divider facilitates coupling two STL, RPU, or CTL/TSL Receivers to a common antenna.

Connector kit includes two Type N female connectors and two 3-foot RG-8/U pigtails. One kit required per antenna.

Mobile and rack mount RF power amplifiers to boost output of STL or CTL/TSL.

Andrew Heliax low-loss foam dielectric coaxial transmission line.

Scala and Anixter Mark Antennas are suggested for use with Moseley STL or CTL/TSL equipment.

STEREO GENERATOR, DEMODULATOR

SCG-9A The Model SCG-9A Stereo Generator is all solid-state, using integrated circuits. Close attention to design has produced minimal quadrature error and phase difference between channels with excellent channel separation.

SCD-9 The Model SCD-9 Stereo Demodulator transforms a composite stereo waveform into discrete left and right channels for AM stereo and FM broadcast. Complementary to the SCG-9A Stereo Generator, it includes de-emphasis circuitry, 16 kHz low pass filters, and front panel and stereo indication, with an SPDT relay for external control.

SUBCARRIER GENERATOR, DEMODULATOR

SCG-8 The SCG-8 Multiplex FM Subcarrier Generator offers extreme stability, excellent sound quality and simplicity of operation. A peak reading audio meter and all electronic muting are included.

SCD-8 The Model SCD-8 Multiplex FM Subcarrier demodulator is the companion to the SCG-8 generator. Front panel metering, all electronic squelch, and audio low-pass filter are standard. The operating frequency of the SCG-8/SCD-8 is easily changed with plug-in filters.

AUDIO LIMITERS

TFL-280B For FM monaural, FM stereo, FM SCA, TV aural, the TFL-0280B delivers loudness and clarity without compromise. Modulation levels of FM transmission systems are precisely controlled by this frequency-conscious limiter. Clipping and its attendant products are essentially eliminated through the use of agile circuitry.

TAL-320 The TAL-320 AM Audio Limiter brings high quality broadcast sound to AM by clearly maximizing the modulation of a standard AM broadcast transmitter. The TAL-320 incorporates an efficient all-pass network, treble equalizer and positive peak adjustable clipper. AM stereo operation is a primary benefit, easily accommodated by two Model TAL-320 Audio Limiters.

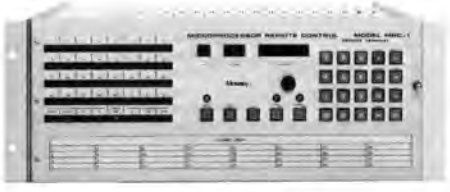
AUDIO GAIN RIDER

TGR-340 The Model TGR-340 Audio Gain Rider is designed to automatically ride gain on a program line, providing maximum modulation on a long term basis with a minimum of audible or measurable by-products. STL, tape, and satellite program circuits are protected from overload. A switch defeatable multistage all pass network is provided to increase signal symmetry, a feature especially useful in TV and FM.

MICROPROCESSOR REMOTE CONTROL

MRC-2 Microprocessors mean that the MRC-2 can be tailored precisely to your needs. Up to 256 command lines, 256 status channels and 256 telemetry channels can be specified in groups of 16 for each of up to 99 sites. Multiple Control Terminals allow a flexible hierarchy of control, with multiple data interconnection links over dedicated or dial-up wire or radio. The MRC-2 can be keyboard calibrated. Two level nested, upper and lower event and/or alarm telemetry tolerances can be set. Status and command lines can be momentary or latching, and status display can be direct or inverted. In case of power failure, all programming data is stored intact, automatically.

MRC-2 options increase its flexibility. The CRT option can display 32 channels simultaneously with plain English prompting, and can duplicate all command functions. The Automatic Logging option provides a hard copy record of events. Also available are Multiple Direct Command, Multiple Status Display, Automatic Control Unit, Digital Telemetry Input, Rohde & Schwarz UVF Video Analyzer Interconnection, Telco Dial-up capability, and a Personal Computer Interface.



MRC-1 The MRC-1 provides capabilities and features only available before in much more elaborate and expensive systems. Up to 32 channels of status, 32 channels of telemetry and 64 command lines can be specified at each of up to nine sites.

The MRC-1 features keyboard telemetry calibration in three different modes, programmable assignment of control, upper and lower telemetry tolerance alarms with alarm muting, and status and command channels may be momentary or latching. Automatic Logging, CRT, Multiple Direct Command and Moseley Memory are optionally available.

MRC-1600 The MRC-1600 provides sophisticated yet simple remote control operation for the AM or FM broadcaster. It features 16 digital metering channels, 16 status channels, and 16 raise/lower control channels. MRC-1600 calibration and setup are via front panel keyboard and include programmable upper and lower tolerance alarm limits on metering input, as well as status muting for "no-alarm" changeover of redundant/standby equipment.

Subcarrier terminal interconnection and sub-audible telemetry options are available, eliminating telephone line interconnection and allowing stations to use their AM carrier or FM SCA channel for telemetry return if desired.

All status and telemetry data, with user-selected field titles, is displayed on the optional CRT; an Automatic Logging Option is also available to operate in conjunction with the CRT.

AUDIO SWITCHERS

SMART SWITCHER 256 The Moseley Smart Switcher 256 is a computer controllable audio routing/mixing system designed for broadcast and post production applications. Up to 256 crosspoints with typical matrices of 8 X 8, 16 X 8, 16 X 16, etc., may be configured into a sytem.

External control is possible through standard GPI and RS232C ports. Use of standard X-Y controllers either on a front panel casting or desktop wedge enables the user to set up an entire matrix. Four system memories are provided to store complete matrix configurations. Outstanding audio performance and multiple source summing capabilities provide flexibility.

NOTE: Specifications subject to change without notice.

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