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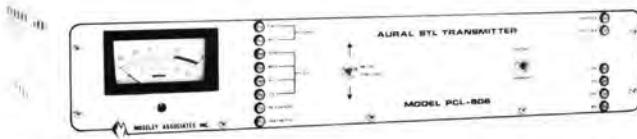
PROFESSIONAL PRODUCTS FOR
UNCOMPROMISING BROADCAST
PERFORMANCE

MOSELEY ASSOCIATES, INC.

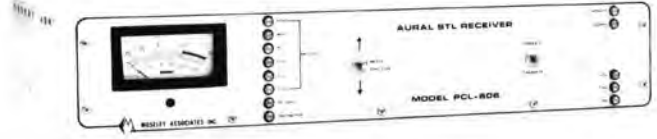
A FLOW GENERAL COMPANY

AURAL STUDIO-TRANSMITTER LINKS

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. State-of-the-art 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 transmission. Optional automatic transfer panels assure continuous stereo broadcast in case of carrier interruption, a system pioneered by Moseley.

PCL-101



Designed for continuous service, the PCL-101 provides high quality audio performance. The PCL-101 STL is ideal for AM and shortwave broadcasters. Two Model PCL-101 Systems operated in the "split channel" method provide excellent AM stereo service. Request Technical Notes 225 for more information on AM stereo STL service.



The PCL-101 STL System features all solid-state circuitry, modular-type construction, direct frequency modulation, front panel metering, full convection cooling, subcarrier capability, compactness and serviceability.

Studio-Transmitter Link Systems offer significant long term savings over the costs of leased telephone circuits. The PCL-606, PCL-505 or PCL-101 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 further returns on investment. 148-174, 214-240, 300-330, 370-470, 890-960 MHz bands are standard. Other frequencies available on request.

REMOTE PICKUP LINKS

RPL-3A, RPL-4A, RPL-4B



Model RPL-3A, RPL-4A and RPL-4B Remote Pickup Links provide unsurpassed audio performance for remote broadcasts. High-level line audio input and two full-time microphone inputs are standard. Only 10.2 cm (4 inches) high and weighing but 7.3 kg (16 lbs), the RPL-3A, RPL-4A and RPL-4B are complete, with audio mixing and AC/DC power supplies. The RPL-3A provides 148-174 MHz service while the RPL-4A and RPL-4B provide 450-470 Mhz service. All operate on either 120/240 VAC, 50-60 Hz source or a +13.5 VDC battery. The companion receiver at the station occupies only 4.5 cm (1¾ inches) of standard rack space.

TELEMETRY RETURN LINK

TRL-1



The Model TRL-1 Telemetry Return Link allows you to transmit telemetry or control data on the 450 MHz band to or from your control point. The TRL-1 Receiver and Transmitter have been built for continuous duty and unattended service. An optional MCW Identifier and Battery Pack and a separate MIC input for voice communication are also provided.

STL-RPL-TRL ACCESSORIES

TPT-2, TPR-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.

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-(1C, 2C, or 3C) Isocoupler series facilitates the connection of an STL, RPL, or TRL 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, RPL, or TRL Receivers to a common antenna.
- Connector kit includes two Type N female connectors and two 3-foot RG-8/U pigtailed. One kit required per antenna.
- Mobile and rack mount RF power amplifiers to boost output of STL, RPL, and TRL-1.
- Andrew Heliax low-loss foam dielectric coaxial transmission line.
- Scala precision antennas are suggested for use with Moseley STL, RPL, or TRL equipment. Weighing only 25 lbs., the PR-450U paraflector antenna mounts easily (H or V) and is ruggedly built, anodized and dichromate dipped for increased protection against corrosion.

STEREO GENERATOR

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.

STEREO DEMODULATOR

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, 15 kHz low pass filters, and front panel and stereo indication, with an SPDT relay for external control.

SUBCARRIER GENERATOR

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.

AUDIO LIMITER

TFL-280B



For FM monaural, FM stereo, FM SCA, TV aural, the TFL-280B Audio Limiter 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.

SUBCARRIER DEMODULATOR

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.

AM AUDIO LIMITER

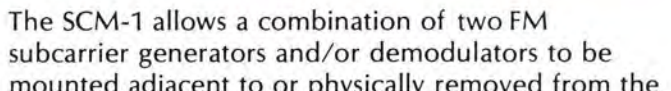
TAL-320



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.

SUBCARRIER MAINFRAME

SCM-1



The SCM-1 allows a combination of two FM subcarrier generators and/or demodulators to be mounted adjacent to or physically removed from the remote control system for wireless operation. It may be used on Moseley Aural STL, video STL aural shelves or FM/TV aural broadcast transmitters.

AUDIO GAIN RIDER

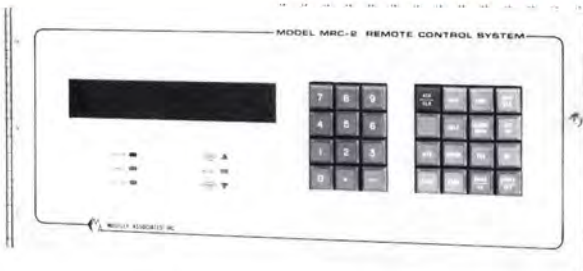
TGR-340



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



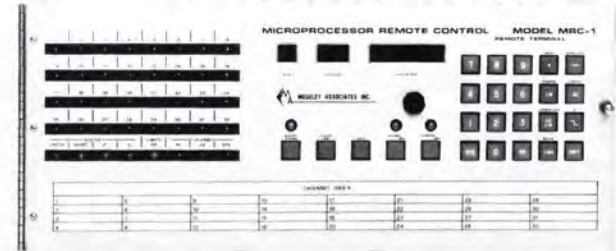
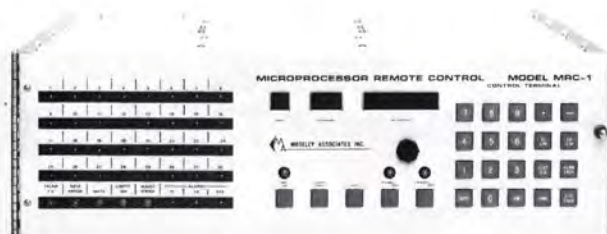
Microprocessors mean that the MRC-2 can be tailored precisely to your needs. Up to 255 command lines, 255 status channels and 255 telemetry channels can be specified in groups of 16 for each at up to 99 sites. Multiple Control Terminals allow a flexible hierarchy of control, with multiple data interconnection links over 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 and Digital Telemetry Input.



MRC-1

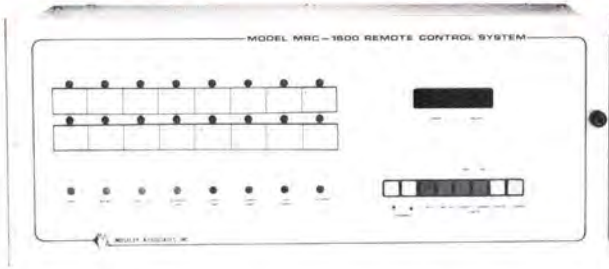


In step with technology, the MRC-1 provides capabilities and features only available before in much more elaborate and expensive systems. Up to 32 channels of status, 32 channels of telemetry and 64 command lines can be specified at each of up to nine sites.

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.

MICROPROCESSOR REMOTE CONTROL

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 inputs.

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.

TELECONTROL SYSTEMS

TCS-2A



The TCS-2A features eight command lines, eight status channels and eight telemetry channels with multisite capability. Microprocessor-based, it meets FCC requirements for AM and FM transmitter remote control.

TCS-1



General Purpose applications include remote ENG, earth station and security. Ideal for international broadcasters. Features eight lines of command and eight channels of status. Two TCS-1 Systems can be stacked on a single 3 kHz interconnect to double facilities.

**FOR FURTHER INFORMATION PLEASE
CONTACT OUR MARKETING DEPARTMENT**

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